Appendix I Master Plan of Drainage

Appendices

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MASTER PLAN OF DRAINAGE

RANCHO SAN GORGONIO SPECIFIC PLAN

CITY OF BANNING

COUNTY OF RIVERSIDE

STATE OF CALIFORNIA

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1. Summary

1.1. Project Introduction

Rancho San Gorgonio is a master planned community proposed in the city of Banning, California, comprising approximately 830.8 acres. The site is south of Interstate 10, generally situated between Sunset Avenue and San Gorgonio Avenue, south of Westward Avenue. A portion of the property is in unincorporated Riverside County, and will be annexed into the city limits as part of the development process.

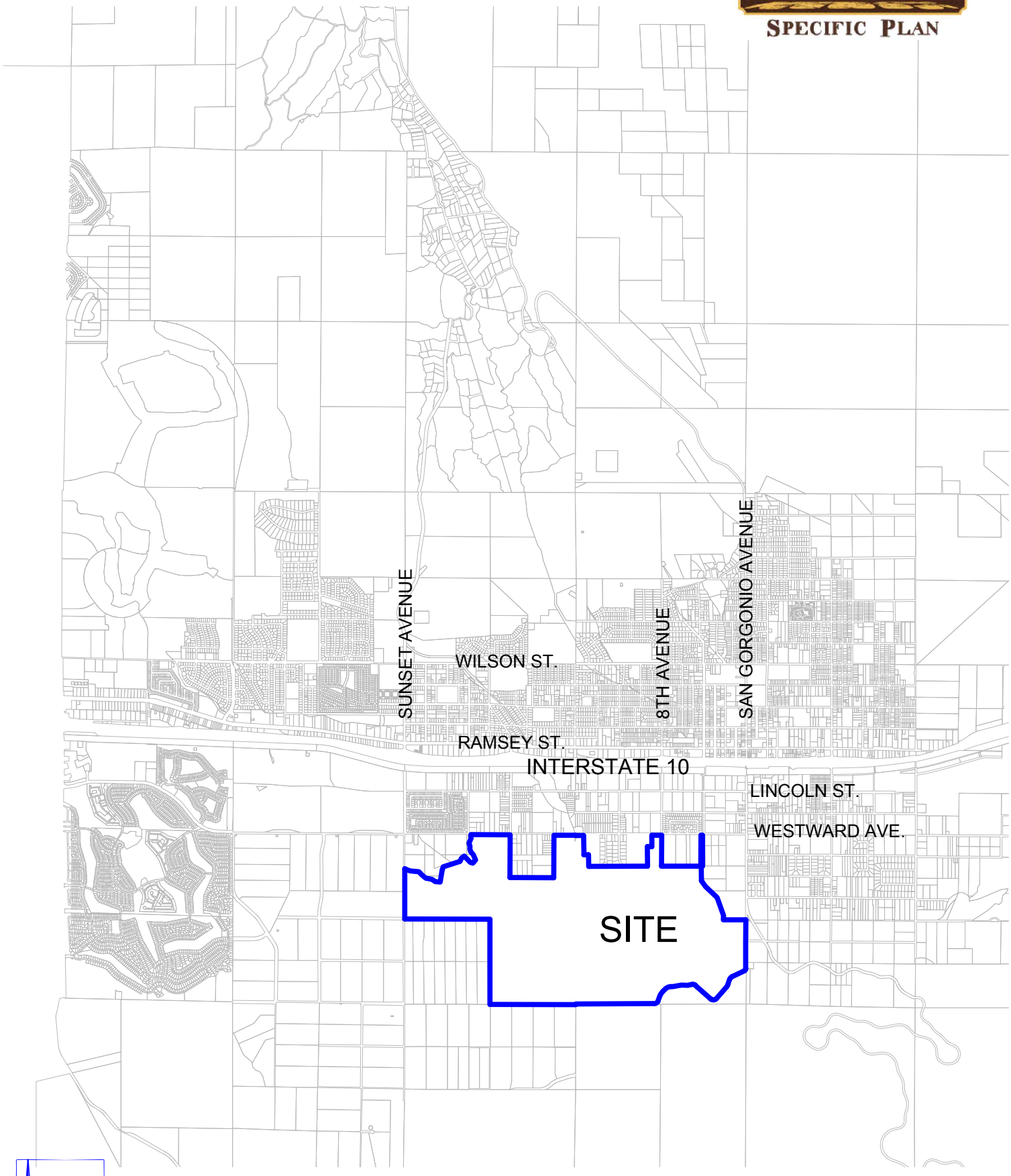
A mix of residential properties is proposed, including single-family detached in a variety of lot sizes up to half-acre lots, as well as multi-family residences. Numerous parks are planned throughout, with amenities anticipated to include a community center, picnic areas, pedestrian, bicycle and equestrian trails, and athletic fields.

1.2. Existing Site Conditions

The site is currently undeveloped grass land, utilized in part as range land for a small cattle herd. The surrounding properties are of similar usage, with existing low density residential scattered along the north and west sides. Banning High School and a KOA campground border the property in the northeast corner. An existing equestrian facility, Dysart Park, is located along a portion of the northerly boundary.

Numerous water courses historically crisscross the site, which is located in the Smith Creek watershed, tributary to the San Gorgonio River, ultimately flowing to the Whitewater River and the Salton Sea. Smith Creek comprises a portion of the southerly project boundary. Pershing Creek crosses diagonally through the site, from Sunset Avenue to Smith Creek. Montgomery Creek also cuts diagonally, from Westward Avenue down to Smith Creek. The final major water course is Gilman Home Channel, which is along the east side, from Westward Avenue southerly along Banning High School and the KOA, ultimately discharging in Smith Creek toward the easterly edge of the site.

There are a few other minor water courses, generally discharging small existing drainages north of Westward Avenue.



0' 4000' 8000'

Vicinity Map

1.3. Off-site Tributary Watershed

There are approximately 22 square miles tributary to the project via the four main aforementioned water courses. The upper reaches of the watershed are about 7 miles north of Interstate 10, in the foothills above Banning. By the time the major streams cross into the project, the tributary areas are over 12 square miles for Smith Creek, over 2.5 square miles for Pershing Creek, almost 2.5 square miles for Montgomery Creek, and over 4 square miles for Gilman Home Channel.

The remaining area, about 1 square mile, is tributary directly to Smith Creek from the foothills extending south of the property. (The total area is about 24 square miles, including the site, which is 1.25 square miles).

See Exhibit 1.4 for the limits and break down of the off-site areas.

1.4. Existing Peak Runoff

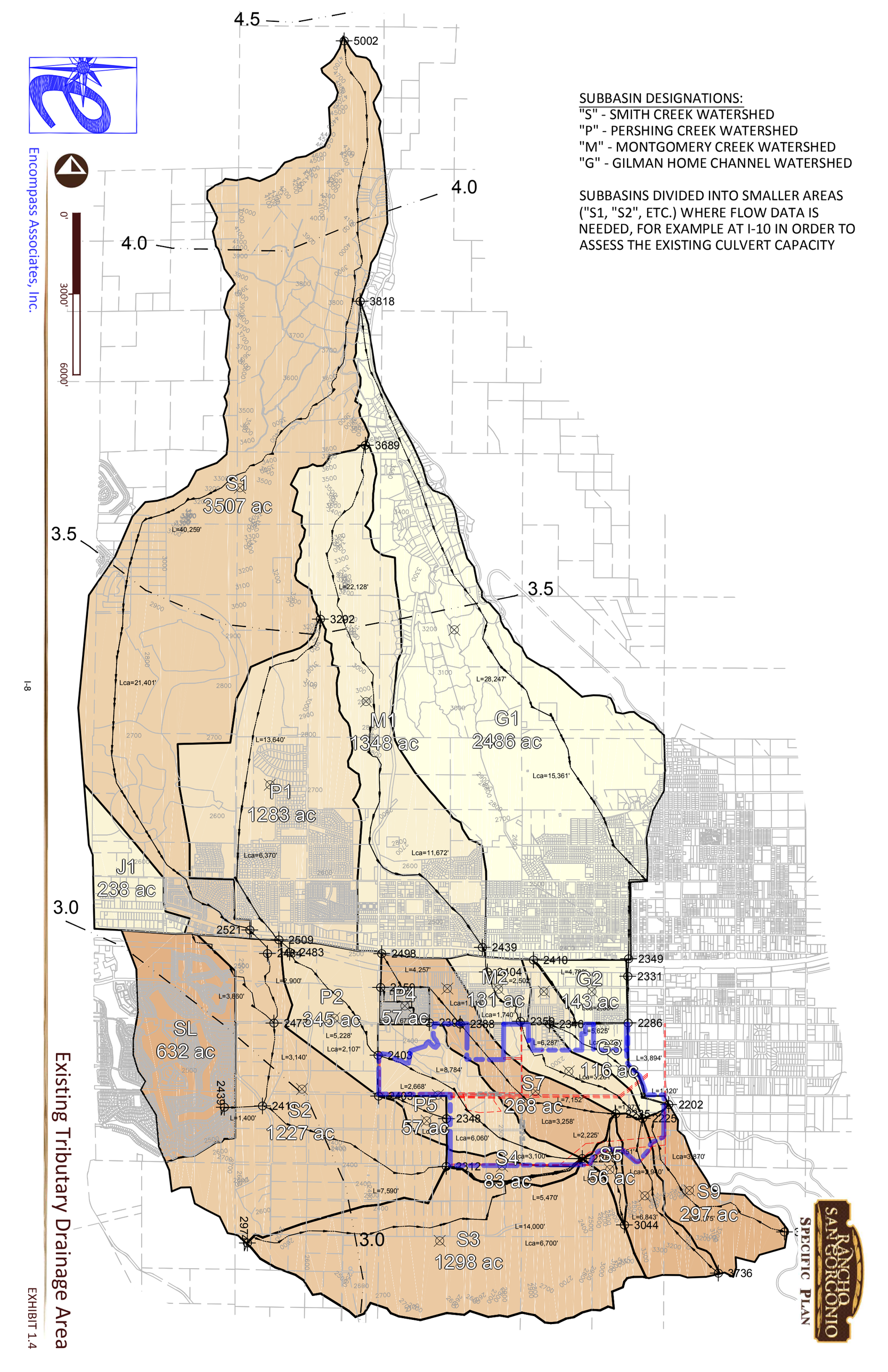
It is necessary to determine first the existing storm runoff characteristics, in order to protect the planned development from flood damage, which also becomes the upper limit of the allowable discharge downstream after the development has been finished. This is important to ensure off-site downstream properties are not negatively impacted by an increase in storm runoff from the project.

Table 1 is a summary of the existing peak discharges for the various watersheds, and includes a breakdown of the flow as it enters the project, and then as it terminates, for the tributaries, or leaves the project, for Smith Creek. These values reflect the 100-year, 6-hour storm, which typically produces the highest peak flow. In addition, to account for the potential for debris flow, upstream off-site runoff has been increased by a factor of 25%. Hydraulic modeling of the creeks uses the bulked flow numbers.

Table 1: Existing Peak Runoff

	Smith Creek	Pershing Creek	Montgomery Creek	Gilman Home Channel
Peak flow, Upstream of the Project	6,960	3,210	1,743	2,727
Bulked Flow (+25%)	8,701	4,013	2,173	3,665*
Acres (square miles)	7833(12.24)	1628(2.54)	1536(2.40)	2626(4.10)
Peak flow, downstream end	15,452	3,300	1,985	2,896
Bulked Flow (+25%)	17,192	4,103	2,415	3,834
Acres (square miles)	15,382(24.04)	2114(3.30)	1715(2.68)	2742(4.28)

Peak flow in cubic feet per second (cfs)
**Value provided by RCFC&WCD, per 4/18/2014 letter.*


SUBBASIN DESIGNATIONS:
"S" - SMITH CREEK WATERSHED
"P" - PERSHING CREEK WATERSHED
"M" - MONTGOMERY CREEK WATERSHED
"G" - GILMAN HOME CHANNEL WATERSHED
SUBBASINS DIVIDED INTO SMALLER AREAS ("S1, "S2", ETC.) WHERE FLOW DATA IS NEEDED, FOR EXAMPLE AT I-10 IN ORDER TO ASSESS THE EXISTING CULVERT CAPACITY
0'
3000'
6000'
S1
3507 ac
P1
1283 ac
J1
238 ac
SL
632 ac
P2
345 ac
S2
1227 ac
M1
1348 ac
G1
2486 ac
P4
57 ac
M2
131 ac
G2
143 ac
G3
116 ac
S7
268 ac
P5
57 ac
S4
83 ac
S5
56 ac
S9
297 ac
S3
1298 ac
5002
3818
3689
3292
2521
2509
2483
2498
2439
2410
2349
2331
2286
2359
2350
2403
2439
2412
2348
2312
2202
2225
3044
3736
4.5
4.0
3.5
3.0
Encompass Associates, Inc.
Existing Tributary Drainage Area
EXHIBIT 1.4
I-8
RANCHO SAN GORGONIO
SPECIFIC PLAN

1.5. Proposed Site Drainage

Proposed developed site drainage will include conventional means of conveyance for 100-year peak flows. Residential lots will surface drain to adjacent streets, with catch basins located at critical locations and low points. Underground storm drains will convey runoff from catch basins to one of two forms of storm detention, in order to attenuate higher developed peak flows down to a level at or below the existing condition. Both forms of detention will be of a joint-use type, combining park uses with infiltration for storm water quality with a detention basin for peak runoff mitigation. The difference between the forms of detention will be based on location: linear basins will be constructed along the banks of the natural streams, and more rectangular basins where applicable in larger park areas.

Low-impact development (LID) techniques will be employed to address storm water quality concerns. These are anticipated to include pervious pavements, increased landscaping (parks, green belts), and infiltration basins (joint use park/infiltration/detention basin). Actual pervious coverages will be used in the hydrology calculations to better account for the LID provisions included, which will result in a lower peak discharge when compared to the historical pervious coverages defined for ranges of residential densities as prescribed in the County Hydrology Manual (Riverside County Flood Control and Water Conservation District).

Table 2 is a summary of peak runoff from the major water courses, with an analysis of the net decrease in peak flow from the existing condition. As with the existing condition analysis, to account for the potential for debris flow, upstream off-site runoff has been increased by a factor of 25%. Hydraulic modeling of the creeks uses the bulked flow numbers.

Table 2: Proposed Peak Runoff

	Smith Creek	Pershing Creek	Montgomery Creek	Gilman Home Channel
Peak Flow, At Downstream End	15,154	3,254	2,165	2,762
Bulked Flow (+25% of upstream/offsite)	16,894	4,082	2,600	3,665
Reduction from Existing Condition At Downstream End of Project	-298 (-1.7%)			

Peak flow in cubic feet per second (cfs)

1.6. Methodology

The Riverside County Flood Control and Water Conservation District (RCFC&WCD) Hydrology Manual was followed in the hydrologic calculations herein. Due to the size and complexity of the watershed, which requires numerous channel routings and confluences, and because not one point rainfall value could be applied evenly across the area, hydrologic modeling was performed utilizing the United States Army Corps of Engineers (USACE) Hydrologic Engineering Center's (HEC) Hydrologic Modeling System (HMS).

The valley S-graph was utilized because it is a good average for the watershed as a whole. For each subbasin, given an average point rainfall value from the Hydrology Manual Isohyet Maps, the 5-minute storm pattern was used to define the 3-hour and 6-hour rainfall data. An initial loss rate of 0 inches was used, with a constant loss rate determined from the individual subbasin land use, soil type and imperviousness characteristics. The loss rate was then adjusted per the hydrology manual (F-adj = Fp x (1-0.9x(1-Ap)).

Lag time was determined for each subbasin based on the overall slope of the longest watercourse, the length along the watercourse to the centroid of the subbasin, and a basin factor (typically 0.022 for undeveloped areas, down to 0.018 for developed).

2. Description of Existing Subbasins

The following pages describe the various off-site and on-site subbasins. See the overall watershed map for the location of each subbasin.

Boundaries / Topography

Subbasin boundaries were determined from existing topography. Outside the limits of the project aerial topography, topographic data was taken from the United States Geological Survey's National Elevation Dataset (NED), based on Digital Elevation Models (DEM), obtained from The National Map website. It is based on the 1983 North American Datum and the 1988 North American Vertical Datum. The project topography is based on 1929 National Geodetic Vertical Datum, which is approximately 2 feet lower than NAVD88, but for the purposes of hydrological calculations, this difference is insignificant.

As-built drawings and the Banning Master Drainage Plan (RCFC&WCD) were utilized to further define the limits of the various watersheds, especially in the urban areas in the city.

The subbasins were delineated in some areas as convenient for future modification of developed conditions, and at locations where intermediate peak flow information was needed. Subbasins were broken at I-10 in order to estimate the capacity of the existing freeway culverts.

Land use

Land use for the existing watershed was established starting with the EPA's "BASINS" application and data. From that basis, adjustments were made based on an overlay with aerial photography. Average impervious cover values were then applied for urban developed areas as applicable.

Soil Type

Determining the hydrologic soil group was an involved process, in part due to the size of the watershed, and in part due to the geologic makeup of the watershed. The soil type dataset was obtained from The National Map (USGS). The dataset contained a table that relates the soil types with hydrologic soil groups.

Rainfall

The Isohyet Maps (Hydrology Manual, RCFC&WCD) were overlayed to estimate the average point rainfall value for each subbasin.

2.1. Smith Creek: Subbasin S1

As stated earlier, the subbasins have been delineated in order to assess the approximate capacity of the existing facilities crossing under Interstate 10 and the railroad. Subbasin "S1", as shown on Exhibit 1.4, comprises the tributary area for Smith Creek, from the upper reaches in the foothills to the inlet for the existing double 10-foot wide 8-foot high reinforced concrete box under I-10.

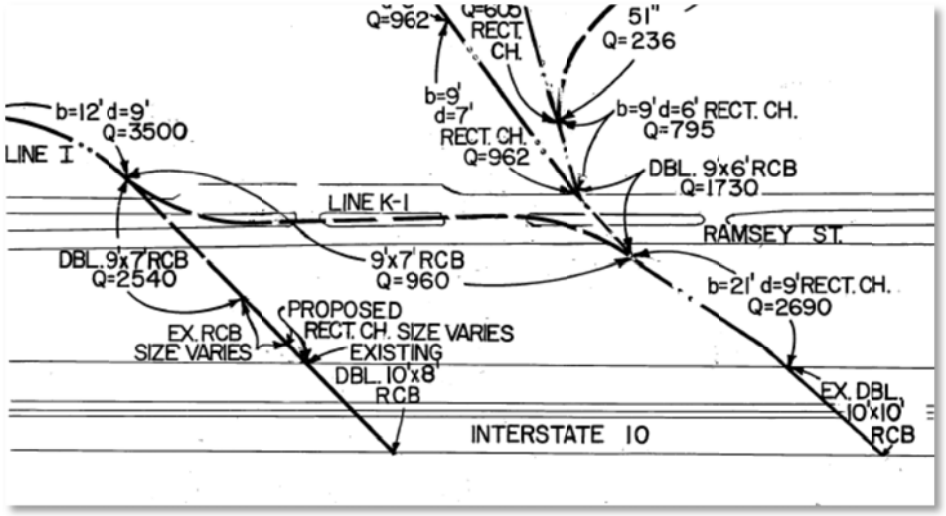


Figure 1: Excerpt of Banning MDP. Smith Creek on Left, Pershing on Right

Subbasin "S1" is about 5.5 square miles and over 7 miles long. The existing cover is undeveloped with natural cover except for segments nearest the freeway, which are developed with a mix of commercial and residential properties. The FEMA Flood Insurance Study (FIS) used a debris bulking factor of 1.25. The Banning MDP has a peak flow rate of 6100 cfs, which is assumed to have been bulked. The "Smith Creek Basin" is a master plan facility that is designed to reduce the downstream discharge to 3500 cfs, in part by eliminating debris loading, and is proposed with the Deutsch/ Butterfield Specific Plan, however it is not assumed this facility will be installed for the purposes of this project.



Figure 2: Google Maps Aerial Image. Smith Creek under I-10 and SPRR

The 100-year 6-hour peak discharge determined herein is 3351 cfs, rising to 4189 cfs with a 1.25 bulking factor. The culvert analysis shows that the existing facility can pass about 2620 cfs before overtopping begins for I-10. Based on existing topography, runoff in excess of the culvert capacity will create a backwater condition, and ponding will occur, however the excess runoff will likely be conveyed to the east along the

north side of I-10 until it reaches other freeway crossings, including the Pershing Channel system. Because of these restrictions, it is assumed that the bulked flow will not be conveyed via the existing culvert system, and I-10 will act in effect as a debris dam. As discussed above, the hydraulic analyses included herein do include an increase of 25% for debris bulking.

MDP Line K-1, which is a facility designed to 'split' the flows from the Smith Creek crossing to the Pershing Channel crossing, has not been constructed. However, based on the culvert calculations, this is still essentially what happens, overland along the freeway and Ramsey Street in lieu of a defined storm drain facility.

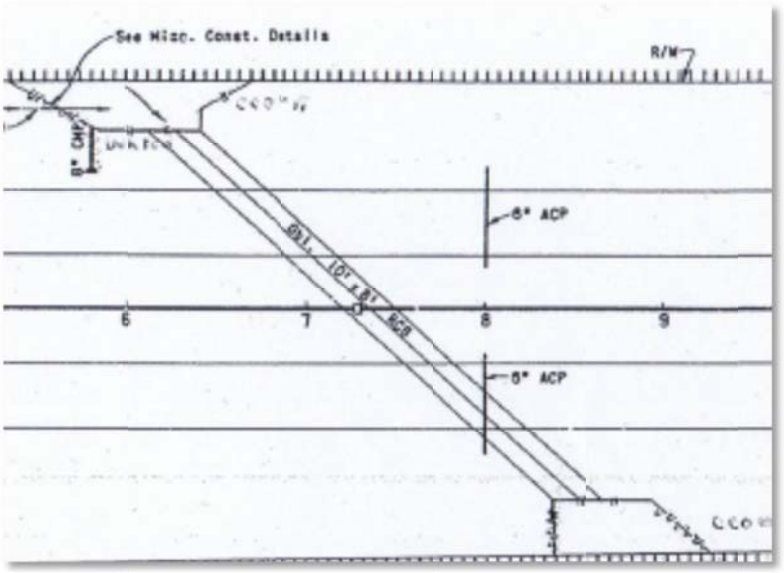


Figure 3: Caltrans As-built. Smith Creek. Double 10'x8' RCB

For the purposes of the project, the 100-year peak discharge will be assumed to be adequately conveyed at the Smith Creek location per the MDP, so 2540 cfs will cross at this point, with 960 cfs diverted to Pershing Channel.

The approximate capacity of the culverts crossing the SPRR was determined as well. The MDP shows an existing 8-foot wide by 7-foot high arch box. As-built data was not available, however field reconnaissance determined that there are also two flanking circular culverts, assumed to be 90" RCP (slightly taller than the box). This set of culverts can adequately handle the MDP flow of 2540 cfs (2937 cfs before overtopping the railroad).

Technical assumptions:

A basin factor (manning's roughness coefficient) of 0.020 was used as a watershed average. The valley-type "S-graph" was selected for unit hydrograph calculations. An assessment of upstream facilities was not conducted to determine their adequacy in conveying peak flow to the culvert at I-10.

2.2. Subbasin "J1"



Figure 4: Google Aerial of Line J Crossing SPRR

This is the Highland Springs Channel system, including primarily runoff from the city of Beaumont. The system in Highland Springs is connected to the existing open channel north of I-10, and then under I-10 via a 10-foot wide by 9-foot high RCB. After then passing under the SPRR via an existing 8-foot wide by 7-foot high arch box per the MDP, and an estimated 78" RCP (9-foot wide by 6-foot high RCB per the MDP doesn't appear to have been constructed), the natural channel runoff flows around Sun Lakes, eventually confluencing with Smith Creek at the projection of Westward Avenue.

An approximation was made to determine the design storm runoff characteristics, generally following the adjacent watershed from the approved Butterfield Specific Plan Master Plan of Drainage ("S-4"). The MDP peak flow of 1715 cfs was used as a target, with the area being adjusted until the target flow was reached (determined to be 1.7 square miles; explains the difference between the hydrology calculation quantities and that shown on the Hydrology Maps). The basin characteristics, as mentioned, follow Butterfield's S-4 (except for an estimated impervious cover of 50% vs. 10%).

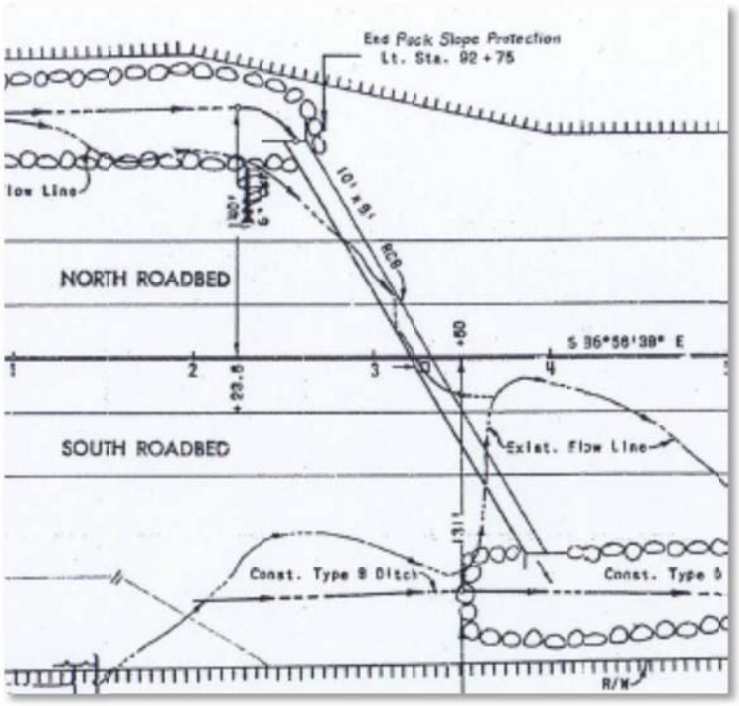


Figure 5: Caltrans As-built. Line J. 10'x9' RCB

The I-10 and SPRR culverts have capacities of about 1975 cfs and 2260 cfs, respectively, and therefore can handle the peak flow of 1715 cfs.

2.3. Pershing Channel: Subbasin "P1"

The Pershing Channel watershed comprises a portion of the northwestern area of the city, generally divided between residential improvements and vacant land. This subbasin extends two to three miles north of I-10, draining to the Pershing Channel I-10 Culvert.



Figure 6: Google Aerial Image. Pershing Channel at I-10.

As discussed with Smith Creek above, MDP Line K-1 is a proposed facility intended to divert flows from Smith Creek to Pershing Channel, to better optimize the existing culvert capacities. This facility has not been built, but the excess flows from Smith Creek will flow overland to Pershing Channel regardless.

The MDP simply added the split flow from Smith Creek to the Pershing Channel peak flow. The analysis herein accounted for the relative time differences in the two watersheds. Therefore, there is actually a slight decrease in peak discharge when compared to the MDP due to the confluence analysis.

The existing double 10-foot by 10-foot box under I-10 is capable of handling the peak flow, although it does take almost 4 feet of ponding above the soffit to achieve conveyance (See Appendix B for Culvert calculations). The existing ground on either side of the culvert, on the north side of I-10, is sloped toward the culvert, suggesting the ponding condition can be supported, but no further investigation was conducted to confirm this. As discussed above, the hydraulic analyses included herein do include an increase of 25% for debris bulking.

The MDP shows a 12-foot by 10-foot box under the SPRR. Field reconnaissance also shows flanking (estimated) 96" RCPs. Again, the existing ground between I-10 and the SPRR does create a sump condition, allowing for ponding of flows. This configuration can convey the peak flow.

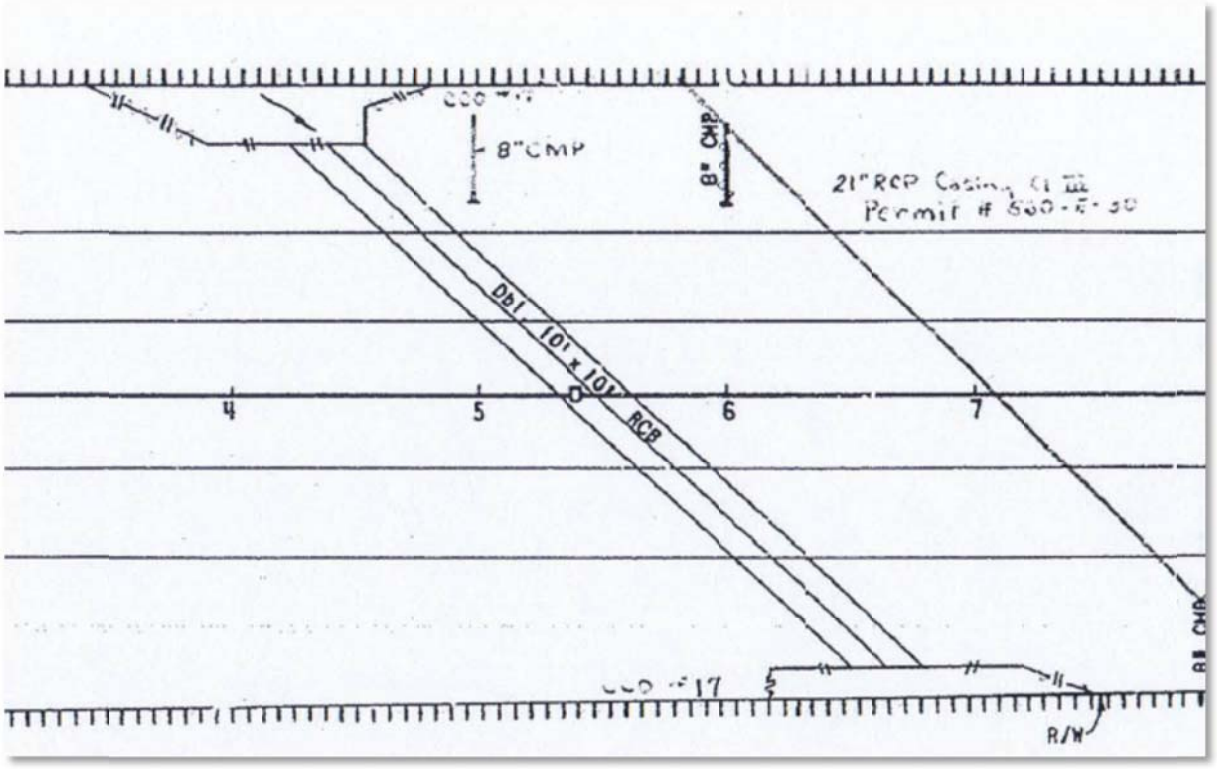


Figure 7: Caltrans As-built. Pershing Channel crossing I-10.

Technical assumptions:

A basin factor (manning's roughness coefficient) of 0.018 was used as a watershed average. The valley-type "S-graph" was selected for unit hydrograph calculations. An assessment of upstream facilities was not conducted to determine their adequacy in conveying peak flow to the culvert at I-10.

2.4. Montgomery Creek: Subbasin "M1"

The Montgomery Creek Subbasin extends over four miles north of I-10, with a majority of the watershed being the foothills and bench area north of the city. The lower portions of this subbasin include the western portion of downtown.

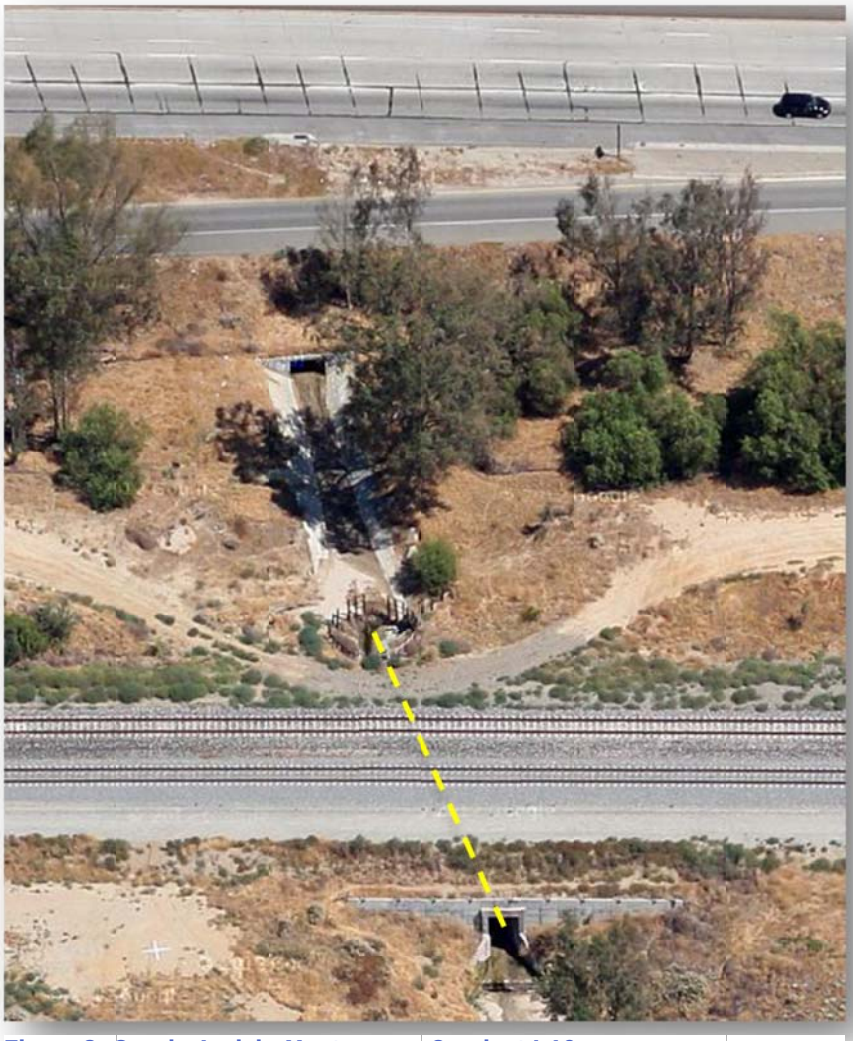


Figure 8: Google Aerial. Montgomery Creek at I-10.

Per the Caltrans as-builts, a 10-foot by 6-foot box is constructed to convey runoff under I-10, which the culvert calculations herein show is adequate to convey the peak 100-year flows. As discussed above, the hydraulic analyses included herein do include an increase of 25% for debris bulking.

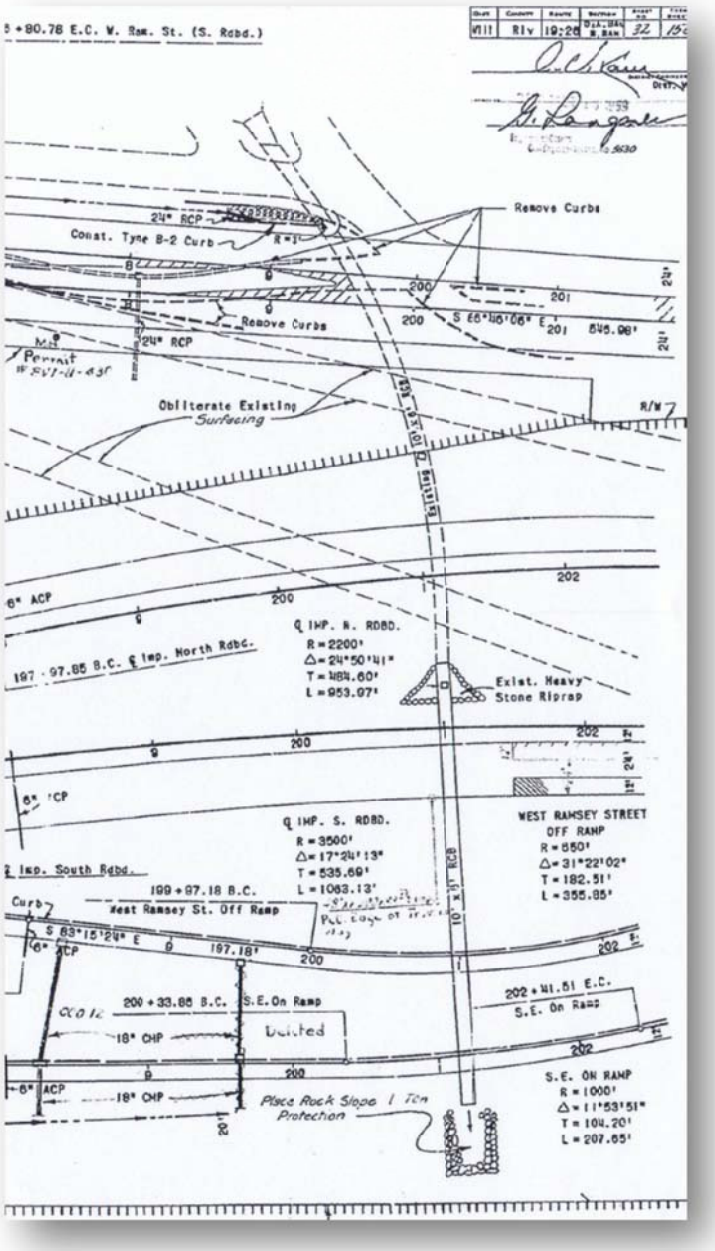


Figure 9: Caltrans As-built Drawing. Montgomery Creek at I-10.

Technical assumptions:

A basin factor (manning's roughness coefficient) of 0.020 was used as a watershed average. The valley-type "S-graph" was selected for unit hydrograph calculations. An assessment of upstream facilities was not conducted to determine their adequacy in conveying peak flow to the culvert at I-10.

2.5. Gilman Home Channel: Subbasin "G1"

The watershed tributary to the Gilman Home Channel pushes up into the foothills and bench area over 5 miles north of I-10. Most of the watershed is undeveloped, vacant hillside, however the lower portion includes the central portion of downtown and residences.



Figure 10: Google Aerial. Gilman Channel Crossing at I-10.

A 12-foot by 10-foot box is the primary conveyance under I-10, per the Riverside County Flood Control as-built drawings, built in the late 1970's and early 1980. A 5.5-foot by 5-foot box was the original conveyance under I-10, which is possibly the reason the FEMA FIS has a limitation of only 450 cfs crossing I-10, whereas the MDP has 3,300 cfs. The larger facility has been designed to convey the peak 100-year flows. No confirming culvert calculations have been made because the as-built plans show the design flow rate and hydraulic grade line. It should

be noted that the FEMA FIRM data appears to be out of date, with the FIS being conducted prior to construction of the larger facility.

At the direction of the RCFC&WCD (per letter dated 4/18/14), a debris-bulked design peak flow of 3,665 cfs is to be used for Gilman Home Channel.

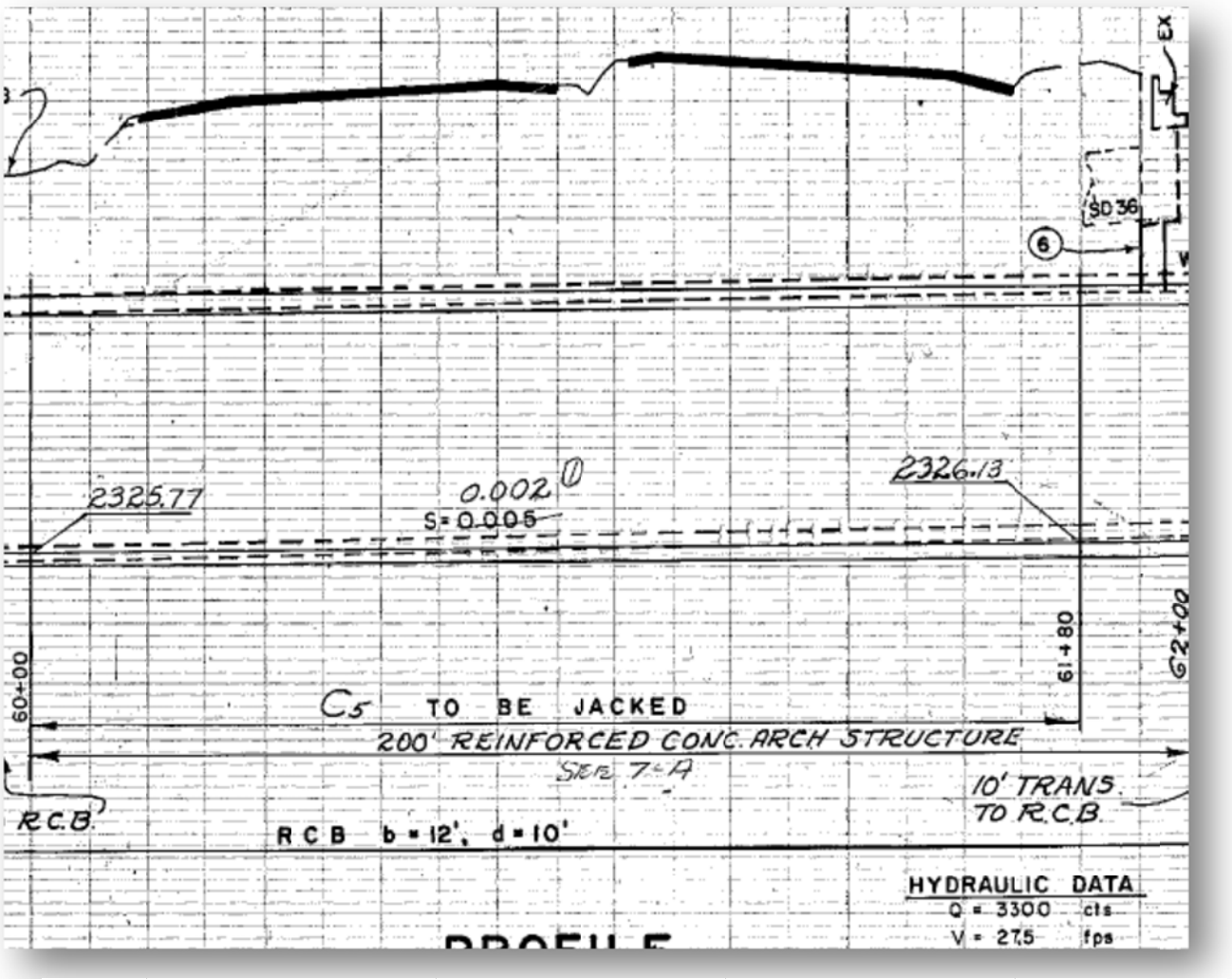


Figure 11: Riverside County Flood Control As-built. Profile view of 12'x10' RCB under I-10.

Technical assumptions:

A basin factor (manning's roughness coefficient) of 0.022 was used as a watershed average. The valley-type "S-graph" was selected for unit hydrograph calculations. An assessment of upstream facilities was not conducted to determine their adequacy in conveying peak flow to the culvert at I-10.

2.6. Summary of Subbasins South of I-10

Smith Creek, Subbasin S1, joins with Subbasin J1 south of I-10 and the railroad, at Westward Avenue. The combined flows continue southerly, across the projection of Westward Avenue, and join with the discharge from the Sun Lakes Master Planned Community detention basin. The detention basin for Sun Lakes limits 100-year peak discharge to a level below the pre-development condition. The output hydrograph has been entered in lieu of the area for Sun Lakes in the modeling calculations in this report.

Downstream of I-10 and the railroad, Pershing Creek and Montgomery Creek flow via unimproved channels. Pershing Creek flow intercepts the proposed project south of Westward Avenue along Sunset Avenue. The alignment continues in an unimproved, but highly incised, creek bed, until ultimately confluencing with Smith Creek toward the southerly boundary of the project.

Montgomery Creek intercepts the project along Westward Avenue, also continuing southeasterly across the project in a defined, but unimproved, natural channel, until joining Smith Creek within the limits of the project.

Gilman Home Channel south of I-10 and the railroad is conveyed via an open concrete channel until it passes under Westward Avenue. At this point, drainage is via a rock-lined trapezoidal-type open channel, comprising a portion of the easterly boundary of the site, with Banning High School and the KOA campground immediately adjacent to the east. The Gilman Home Channel joins Smith Creek near the easterly end of the project.

2.7. Existing Stream Hydraulic Conditions

With peak 100-year flows determined in the hydrologic calculations, a hydraulic analysis of the various creeks can be conducted to determine the impact of flood waters on the proposed development. Since the project will be required to limit developed runoff to a level at or below the existing condition, the limits of flooding for the completed project can be based on the existing condition, for those reaches where no modification or channel improvement is proposed.

The hydraulic modeling was conducted in the Army Corps' HEC-RAS software. Cross-sectional data was defined in CAD given the project aerial topography, supplemented where needed with surface information from the USGS NED.

The impact of creek roughness on the hydraulics, Manning's N, was based on the values as defined in the FEMA FIS (see "Table 6" from the FIS below)

TABLE 6 - MANNING'S "n" VALUES - continued

Stream	Channel "n"	Overbank "n"
East Gilman Home Channel	0.017	0.035
East Pershing Channel	0.040	0.040
Gilman Home Channel	0.015 – 0.035	0.030 – 0.100
Highland Springs Channel	0.015	0.040 – 0.050
Indian Canyon Channel	0.017	0.035 – 0.100
Montgomery Creek	0.015 – 0.035	0.031 – 0.100
Ramsey Street Drain	0.014 – 0.035	0.017 – 0.100
San Gorgonio River	0.035	0.040
Sidney Street Channel	0.014 – 0.020	0.035 – 0.060
Smith Creek	0.027	0.035
Smith Creek West Tributary	0.030	0.040
West Pershing Channel	0.015 – 0.040	0.030 – 0.035

The limits of flooding are shown in Appendix C.

3. Proposed On-Site Drainage

3.1. Developed Runoff Requirements

The City of Banning established two primary requirements for the Rancho San Gorgonio Master Planned Community. First, the project shall retain the 100-year 3-hour storm. Second, the project shall not discharge more storm runoff than occurs in the existing condition.

Furthermore, to address environmental and practical concerns, site planning established a 100-foot setback from the limits of the 100-year storm event determined for Smith and Pershing Creeks. Streets and residential improvements are excluded from the creek and 100-foot setback areas, except where creek crossings have been established. The limit of the 100-year flood has been established in some places based on proposed improvements in order to achieve a more optimum interface between development and streambed protection.

The City of Banning participates in the Federal Emergency Management Agency's National Flood Insurance Program. Therefore, the project will need to demonstrate that residential improvements are maintained at least one-foot above the 100-year storm flood limits, and that any increase in base flood elevation does not negatively impact other properties.

A general requirement for development is that the 100-year storm runoff be maintained within the right-of-way throughout the project. A network of storm drains is proposed on-site, however the location of additional storm drains and catch basin inlets will be determined during final design which will accompany construction documents.

A final drainage requirement pertains to storm water quality. The project is subject to the requirements of the Colorado River Regional Water Quality Control Board, and is situated in the Whitewater River Region. As defined by the Board, new developments in this region are currently required to capture and infiltrate storm runoff, based roughly on the 2-year storm.

This section will describe the approach taken to achieve these goals and requirements, and provide a summary of the preliminary hydrologic and hydraulic calculations included herein.

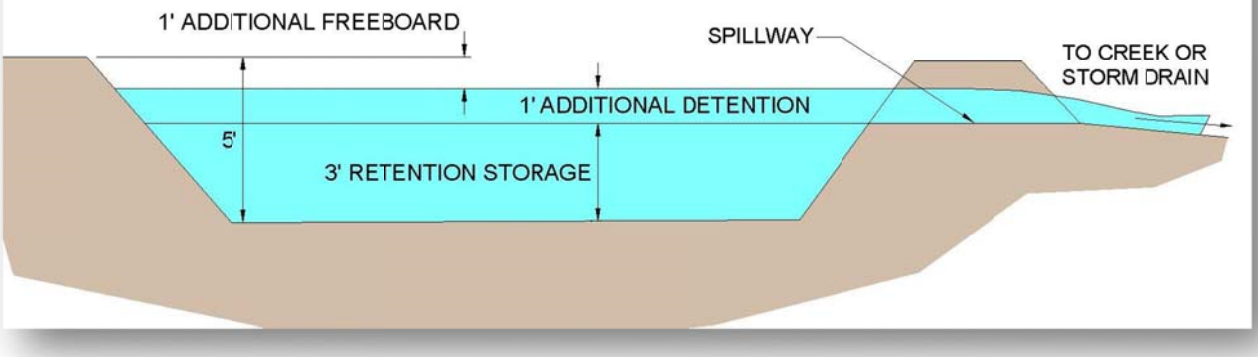
3.2. General Drainage Concept

The existing drainage pattern, generally broken up into the four creek watersheds, is maintained for the developed condition. This concept therefore limits the usefulness of regional peak discharge mitigation facilities. To better emulate the existing condition, spreading out the discharge points is preferred over establishing concentrated flows.

As such, the proposed concept has combination retention-detention basins to be constructed in each planning area, and in creek setback areas serving the linear parks and street improvements throughout the project (retention basins capture and infiltrate runoff, while detention basins release runoff downstream at a lower rate than is generated upstream). This concept in itself further functions to reduce peak runoff, as peak runoff increases inversely proportional to the time of concentration of the flows, and concentrated flows tend to decrease the time of concentration.

For the purposes of this conceptual study, the typical retention-detention basin (see Figure 3.2-1) will have 3 feet of retention storage depth. A spillway outlet is established at that elevation, sized to pass the mitigated 100-year 6-hour storm within an additional foot of depth. One foot of freeboard is then assumed, for an overall depth of 5 feet. The conceptual basin footprint size is then established using a 4:1 side slope, as defined by the storm water quality requirements.

FIGURE 3.2: TYPICAL RETENTION-DETENTION BASIN



Depending on the location and configuration of the basin, the spillway outlet is either connected to the on-site storm drainage system, or will discharge to the applicable adjacent creek. The spillway sizes have been estimated in the calculations herein, however the final configuration of the spillway and pipes draining to the creek or on-site system will be determined at final design.

An infiltration rate of 1 inch per hour is assumed, which establishes a minimum area for the bottom of the basin per the storm water quality requirements. The 100-year 3-hour retention volume, held to a 3-foot depth, requires a larger footprint than the water quality storm event, and therefore the water quality requirements are met. Should infiltration rate tests conducted for final design determine the infiltrate rate to be less than 1 inch per hour, it is possible that the basins will need to be increased to provide sufficient surface area for infiltration. Note that a factor of safety of 3 is applied to the infiltration rate.

The design of developed peak flows in this report is for the ultimate, built-out condition. The project will be phased, and a separate analysis will be necessary for each phase of

construction to determine what additional temporary mitigation measures are warranted in order to reduce runoff to the existing condition, and protect the new improvements from potential flooding. Such improvements might include temporary detention basins, natural channels, or minor levees.

See Exhibit 3.2 for a conceptual layout of the basins.

RANCHO SAN GORGONIO
SPECIFIC PLAN

PA 16-B
PA 9
PA 8-D
PA 8-A
PA 10
PA 8-B
PA 8-C
PA 5-A
PA 5-B
PA 6-A
PA 7-A
PA13
PA 7-B
PA 16-C
PA 12
PA 4-D
PA 6-D
PA 5-C
PA 6-B
PA 3-C
PA 14-D
PA 16-A
PA 14-A
PA 14-B
PA 14-C
PA 5-E
PA 5-F
PA 15-A
PA 4-A
PA 4-B
PA 3-B
PA11
PA 3-A
PA 2-A
PA 2-C
PA 6-C
PA 3-D
PA 5-D
PA 4-C
PA 17
PA 15-B
PA 1
PA 2-B

LEGEND

RETENTION-DETENTION BASIN

0' 800' 1600'

Encompass Associates, Inc.

Conceptual Retention-Detention Basin Plan

EXHIBIT 3.2

3.3. Montgomery Creek

Smith Creek, Pershing Creek, and Gilman Home Channel are generally to be left in the existing condition. Montgomery Creek, however, will be captured at Westward Avenue and conveyed through the project in an underground storm drain pipe, master plan Line B. Conceptually, planning areas adjacent to Line B will discharge to it, with all flows ultimately ending up in the proposed Confluence Park Basins (see below), and on to Smith Creek. There will likely need to be off-site improvements made on the north side of Westward Avenue to accommodate the collection of natural flows into the pipe system. The necessary right-of-way, temporary and permanent easements will be acquired during the final design stage.

3.4. Confluence Park Basins

Due to the "undergrounding" of Montgomery Creek, a large portion of the project is no longer adjacent to a creek, and therefore flows will be more concentrated in this area, which would have the potential to increase erosion damage to Smith Creek downstream.

Therefore, the idea of Confluence Park was established to mitigate the impact of piping the Montgomery Creek flows. Three interconnected retention-detention basins will constitute a significant part of the park. The retention component will insure smaller storm events, as well as daily nuisance flows and other sources, do not modify Smith Creek downstream at a faster rate than occurs in the existing condition (note this benefit applies to all of the retention-detention basins throughout the project).

The basins in Confluence Park are anticipated to be deeper than the distributed planning area basins, on the order of 10 to 20 feet deep, depending on the ultimate park design.

3.5. Conceptual Storm Drain System

Mitigated flows from planning areas directly adjacent to one of the creeks will generally drain to that creek. Planning areas not situated next to a creek will discharge flows to one of the master planned storm drain lines. Additionally, there are various points of concentrated flows from off-site, upstream, areas which will require conveyance through the project. Other areas of surface flow and minor points of concentrated runoff from off-site properties will need to be addressed at a local level within the effected planning areas at final design.

The 100-year 6-hour storm is modeled in the calculations herein to determine the required storm drain sizes. The pipe sizes estimated in this study are preliminary and generally

configured to be in an open channel flow condition. The sizes are subject to change in final design, dependent on changes in grading, conflicts with other utilities, and detailed pressure flow design, among other possible influences.

See Exhibit 3.5 for the alignment of the master plan facilities.

RANCHO SAN GORGONIO
SPECIFIC PLAN

LINCOLN AVENUE
22ND STREET
8TH STREET
SAN GORGONIO AVE.
WESTWARD AVE
Montgomery Creek thru Line B
SUNSET AVE
Pershing Creek
Line F-1
60"RCP
LOVELL ST.
APRIL LN
12TH ST
VICTORY AVE
Line B-3
36"RCP
A STREET
Line G
48"RCP
Line F
78"RCP
Gilman Channel
thru Line A
WESLEY AVE
Line B-2
48"RCP
B STREET
D STREET
RANCHO SAN GORGONIO
Line B
11'x8'RCB
Line A
Double 12'x8'RCB
PORTER AVE.
BOBCAT RD.
Line B-1
36"RCP
Line D
60"RCP
GORGONIO
PARKWAY
C STREET
Line C
36"RCP
TURTLE DOVE LN
B STREET
Confluence Park Basins
D STREET
Line E
48"RCP
Smith Creek

PA 16-B
PA 9
PA 8-D
PA 8-A
PA 7-A
PA 7-B
PA13
PA 16-C
PA 10
PA 8-B
PA 12
PA 4-D
PA 6-D
PA 8-C
PA 5-A
PA 6-A
PA 5-C
PA 6-B
PA 3-C
PA 14-D
PA 16-A
PA 5-B
PA 14-B
PA 14-C
PA 5-E
PA 5-F
PA 15-A
PA 4-A
PA 4-B
PA 3-B
PA11
PA 3-A
PA 6-C
PA 2-A
PA 2-C
PA 3-D
PA 5-D
PA 4-C
PA 17
PA 15-B
PA 1
PA 2-B

0' 800' 1600'

3.5.1. Line A

Line A is primarily a small stretch of Gilman Home Channel, situated at the easterly end of the project. It will serve the adjacent planning areas, as well as convey flows from Gilman Home Channel, to Smith Creek.

3.5.2. Line B

As discussed above, Line B will convey flows from Montgomery Creek through the project. Line B will also pick up additional off-site flows from an existing storm drain in April Lane, along with adjacent planning area runoff.

Line B-1 will pass through PA 6-B for the benefit of PA 5-C as well.

Line B-2 will extend up Rancho San Gorgonio Parkway toward 8th Street, and will convey off-site runoff from the open area east of 12th Street.

Line B-3 will capture runoff from the dead-end condition of 12th Street off-site.

All of these flows will be conveyed to the basins in Confluence Park, prior to discharge into Smith Creek.

3.5.3. Line C

Line C will capture runoff from PA 4-B and PA 3-B and will be connected to one of the basins in Confluence Park.

3.5.4. Line D

Along with serving a portion of PA 7-A, Line D will be extended up to Dysart Park to capture the roughly 65 acres of area tributary off-site flows. Line D will drain to Pershing Creek.

3.5.5. Line E

Approximately 70 acres of off-site area is tributary to PA 2-A along Turtle Dove Lane. Line E serves as a means to convey those off-site flows through PA 2-A to Pershing Creek.

3.5.6. Line F

A large area of developed and undeveloped area currently discharges from storm drains and overland onto the future Mt. San Jacinto Community College campus at the southeast corner of Westward Avenue and Sunset Avenue. These flows, in addition to flows from the campus property as well, are picked up in Line F. It is assumed off-site property that is currently undeveloped will be required to mitigate flows down to the existing condition, including for the campus as well. Line F is sized for existing condition flows only.

Line F-1 extends up Rancho San Gorgonio Parkway toward 22nd Street to serve PA 9.

It is possible that a more efficient alignment can be located across the park, PA 10, depending on final design factors.

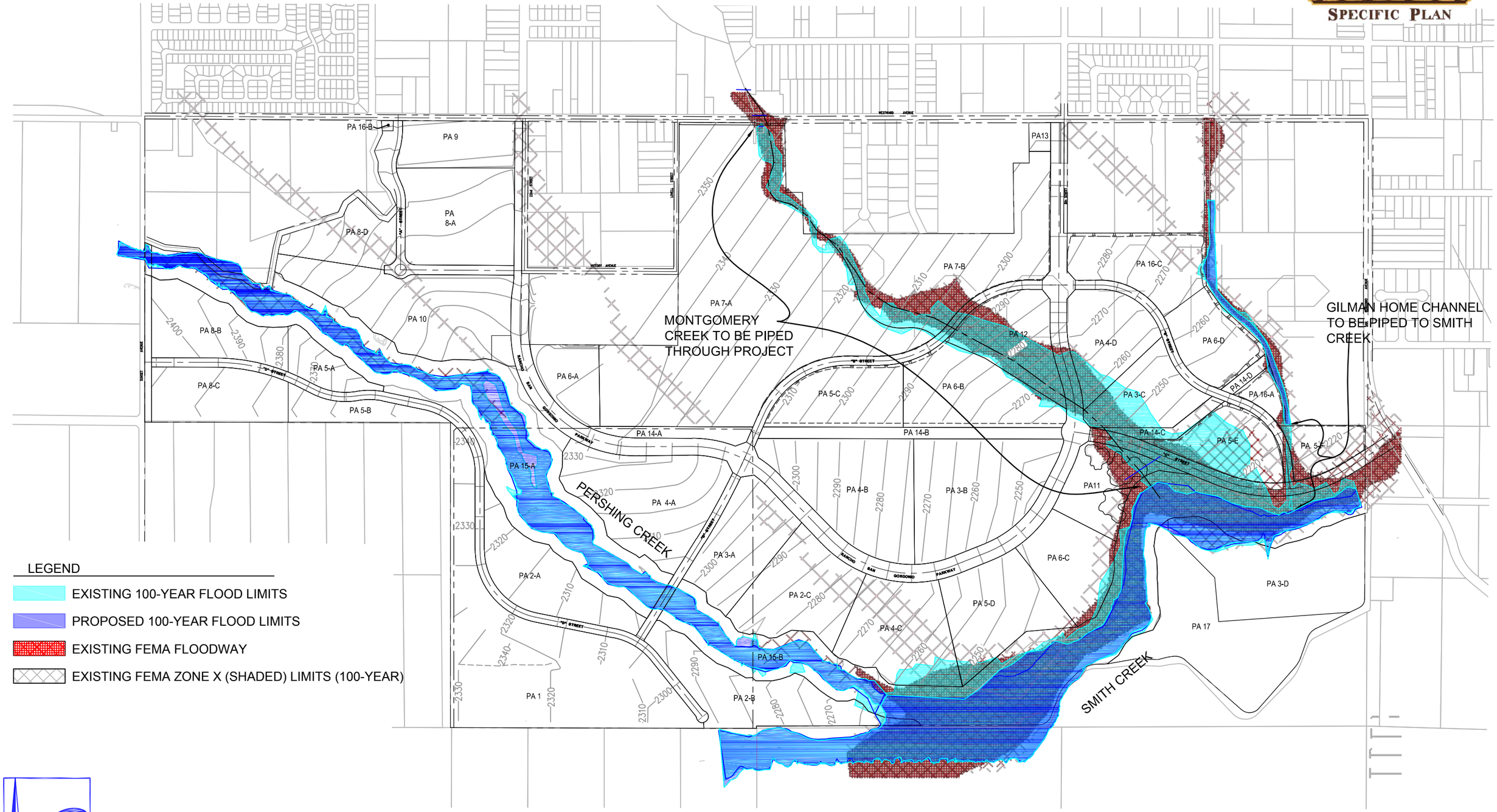
3.5.7. Line G

Sunset Avenue adjacent to PA 8-B has a high point that will not allow some of the off-site tributary area to drain freely back to Pershing Creek. Line G is designed to capture those flows and convey them to Pershing Creek. An alternative would be to extend Line E, or allow those flows to surface drain in D Street to Line E or directly to Pershing Creek west of PA 8-B.

3.6. FEMA Flood Zones

The site is currently situated primarily outside of any designated FEMA NFIP Special Flood Hazard Zone. The main flood zone is Zone X (unshaded), meaning outside of the 100-year flood limits. The exceptions are related to the creeks proper. A conditional letter of map revision (CLOMR), and later a final LOMR, will need to be processed through FEMA in order to remove the flood limits as related to Montgomery Creek, as it is proposed to place those flows in a pipe. And as will be discussed below, the LOMR will also need to address minor changes to Smith Creek as related to grading and proposed improvements.

See Exhibit 3.6 for the existing and proposed Flood Zone limits.



Limits of Flood Plain with current FEMA Flood Zones

3.7. Changes to Creek Hydraulics and Flood Limits

As discussed above, other than Montgomery Creek, which is piped, and a portion of Gilman Home Channel, which is piped, the creeks are left primarily as they currently exist. Due to the changes to Montgomery Creek, and some minor grading and on-site improvements, the flood limits of Smith Creek will change slightly. However, as can be seen on Exhibit 3.6 , the change is minor. A comparison of the calculations in Appendices C and H shows the increase in base flood elevation for a small stretch of Smith Creek is only 2 inches.

A FEMA LOMR will need to be processed to address this change in flood mapping.

3.8. Streambed protection

For the majority of Smith Creek and Pershing Creek, the issue of streambed protection is addressed by maintaining a 100-foot setback for infrastructure and residential improvements. These setback areas are proposed to include a linear trail system, native and drought-tolerant landscaping, and some of the retention-detention basin facilities. There will be adequate room within this 100-foot setback area to provide additional protection against potential bank erosion and scour as deemed necessary during final design. The setback will be owned and maintained as part of the overall site common and public spaces landscape areas.

Encroachments into this setback area will occur at two locations along Pershing Creek, one being the crossing at Sunset Avenue near PA 8-B, and the other the crossing at B Street, near PAs 2-A, 2-B, 3-A and 4-A. Provisions to protect the streambed, bridge and culvert improvements at these locations will be assessed during final design.

3.9. Preliminary Creek Crossing Concepts

The Pershing Creek crossing at B Street is anticipated to be a steel bridge, generally with a rustic design representative of the city's history and consistent with the project design theme.

The crossing at Sunset Avenue is proposed to be a series of culverts across the streambed, with a road way established above the culverts, elevated such that the full 100-year storm will be conveyed through the culverts, leaving Sunset Avenue passable during a storm.

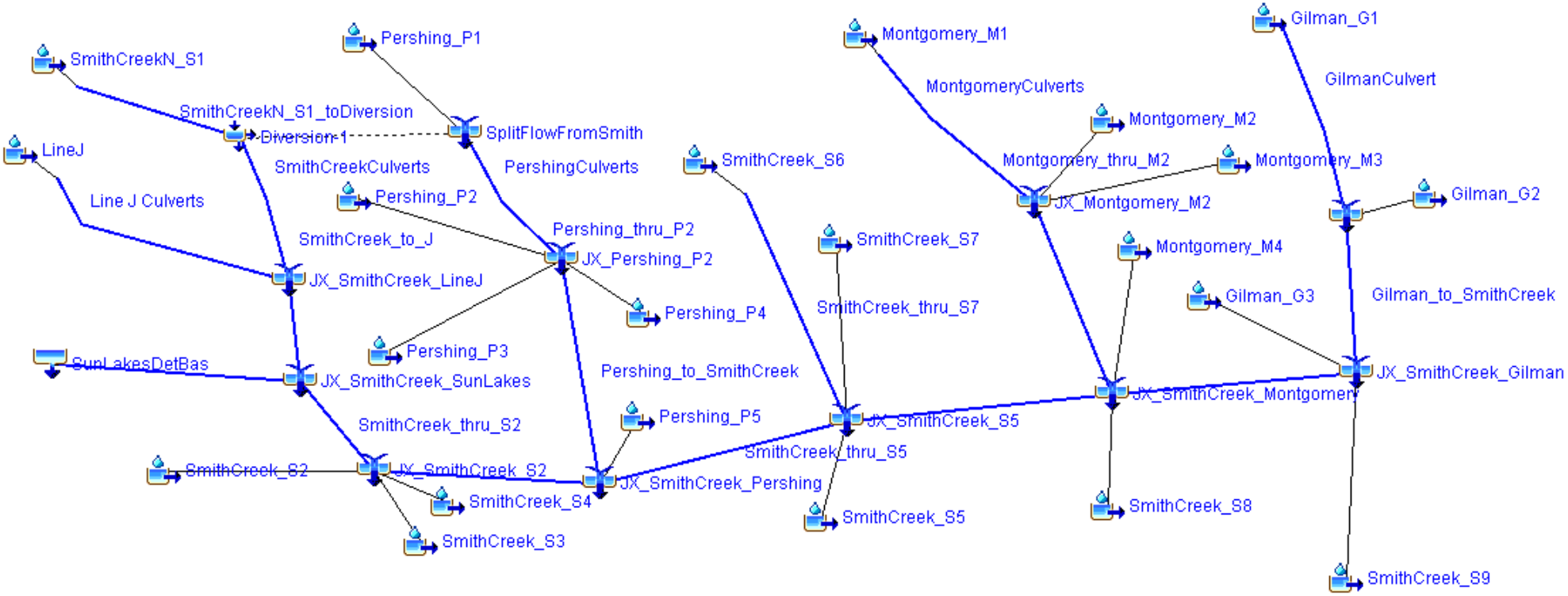
4. Appendices

- **Appendix A: Existing Conditions Hydrology Calculations**
- **Appendix B: Existing Culvert Capacity Estimates**
- **Appendix C: Existing Stream Hydraulic Calculations**
- **Appendix D: Conceptual On-Site Hydrology Calculations**
- **Appendix E: Conceptual Pipe Sizing Hydraulic Calculations**
- **Appendix F: Preliminary Water Quality Infiltration Basin Calculations**
- **Appendix G: Conceptual Detention Basin Sizing Calculations**
- **Appendix H: Proposed Stream Hydraulic Calculations**
- **Appendix I: Excerpts from the Riverside County Flood Control Hydrology Manual**
- **Appendix J: Excerpts from the Banning Master Drainage Plan**
- **Appendix K: Excerpts from the FEMA Flood Insurance Study**

Appendix A: Existing Conditions Hydrology Calculations

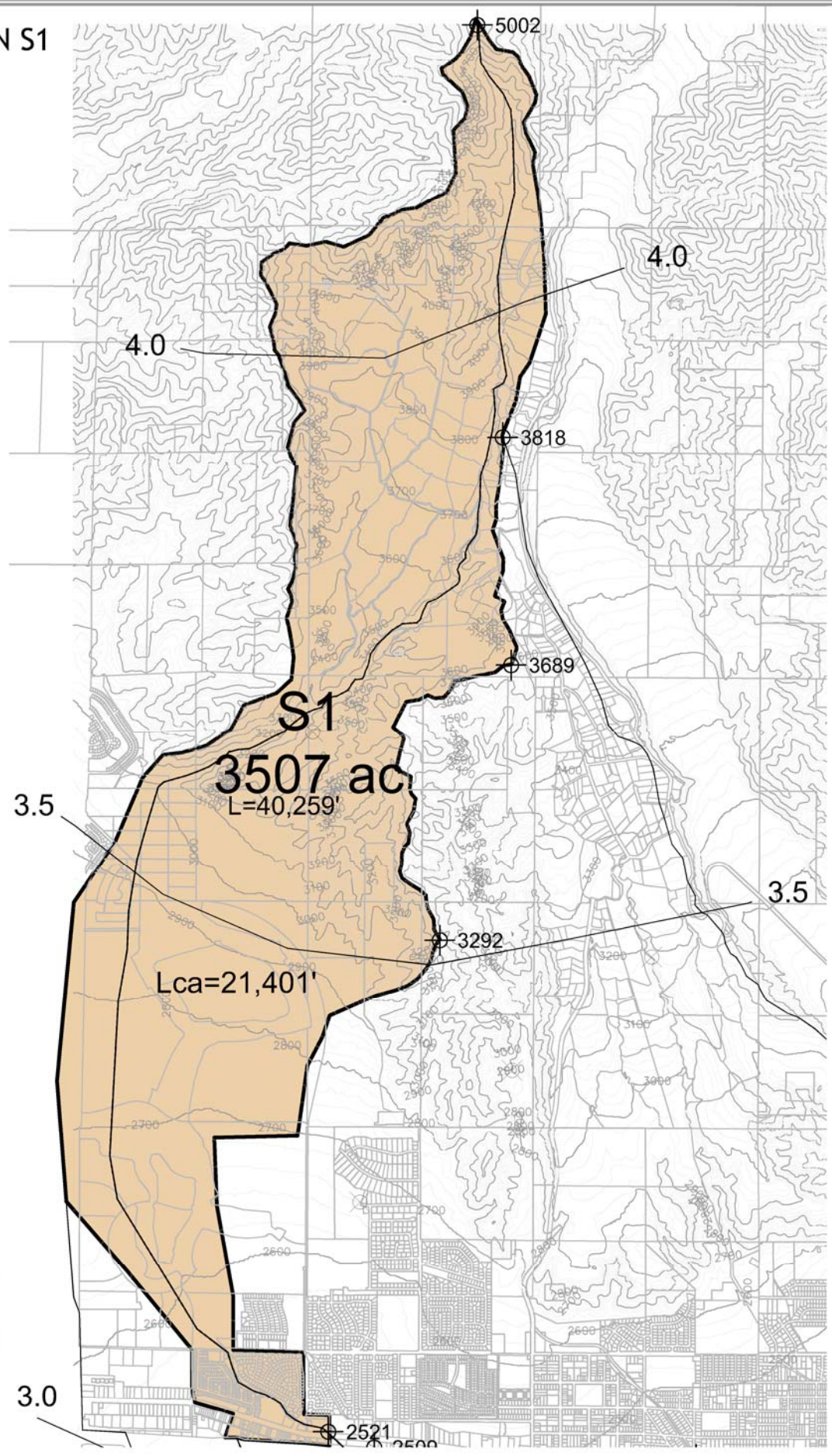
HEC-HMS

HYDROLOGIC MODEL – LINK DIAGRAM

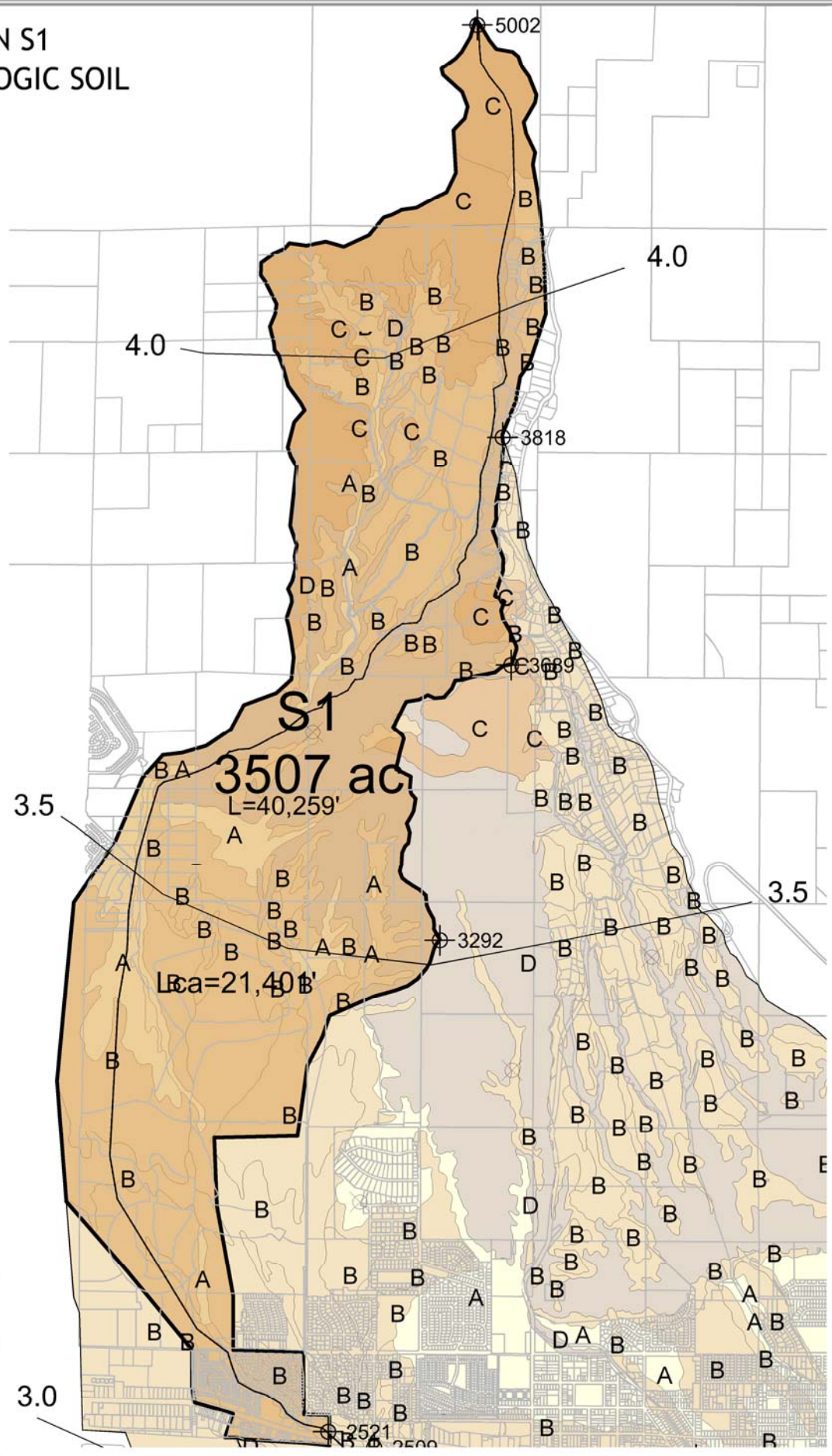


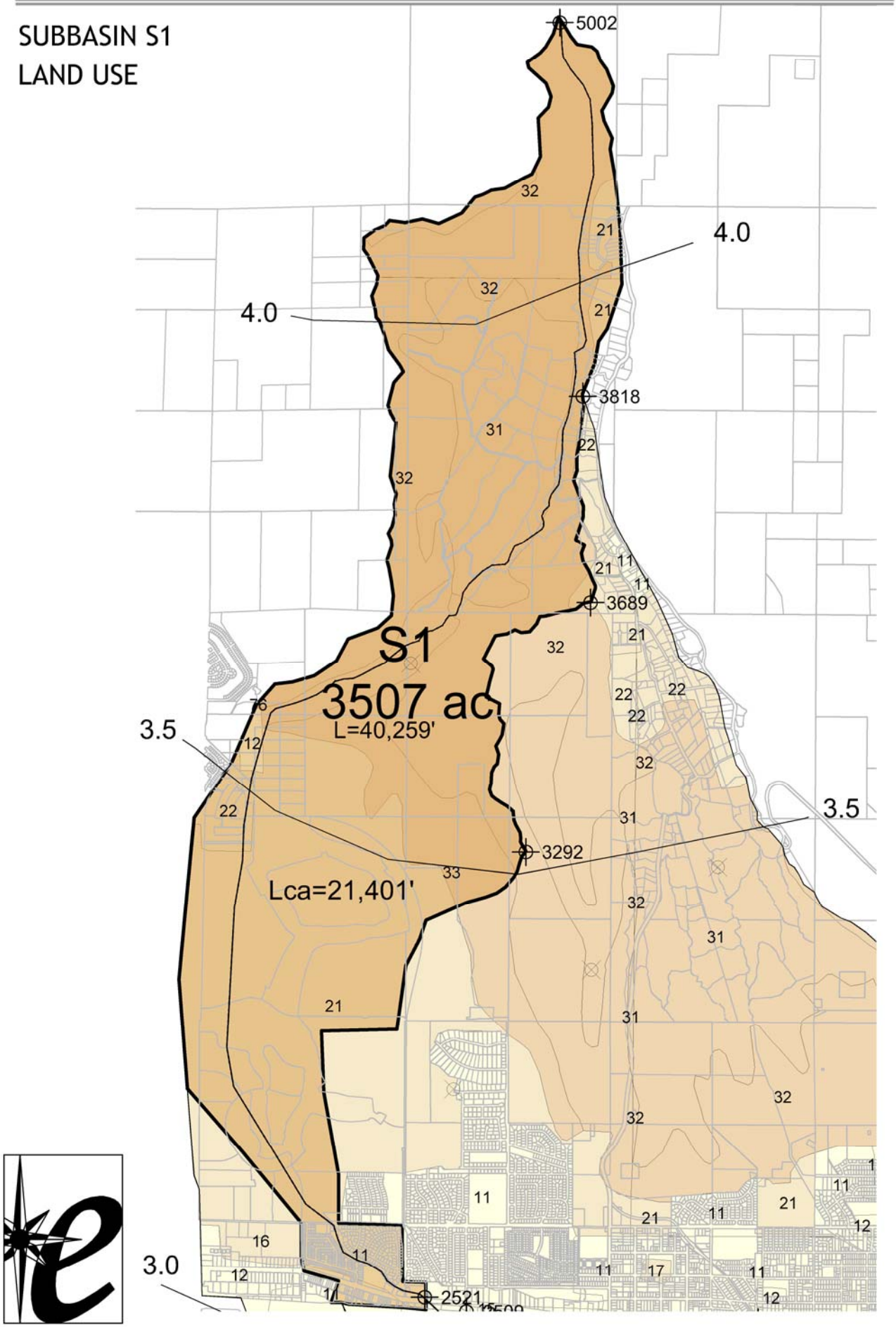
USGS Soil Type	Hydro. Soil Group	USGS Soil Type	Hydro. Soil Group	USGS Soil Type	Hydro. Soil Group	USGS Soil Type	Hydro. Soil Group	USGS Soil Type	Hydro. Soil Group	USGS Soil Type	Hydro. Soil Group	USGS Soil Type	Hydro. Soil Group
PlD	D	MnD2	D	GsB	B	DgB	A	AyF	C	VdF2	D	VaD	B
PmE	D	MmE3	C	GrB	B	DbA	A	AuD	C	VeC2	C	Co	D
PoC	D	MmD2	C	GpB	B	DaD2	A	AuC	C	VeD2	C	RcD	B
PrD	D	MmC2	C	GoB	B	CyF2	C	AtF3	C	VeF2	C	WmC	B
PsC	D	MmB	C	GnD	A	CyE2	C	AtD2	C	VlC2	B	Go	D
PtB	D	MlD	A	GmD	A	CwE2	C	AtC2	C	VmA	B	SrF	B
PvD2	D	MhB	A	GlC	B	CwD2	C	ArD	B	VmC	B	ShF	B
QU	D	MgB	A	GkD	A	CvD2	C	ArB	B	VsC	C	FoF	C
RaA	B	MfA	A	GhD	A	CuE	C	ApB	C	VsD2	C	Gr	B
RaB2	B	MeD	A	GhC	A	CtF2	C	AoD	B	VsF2	C	Gs	B
RaB3	B	MdC	A	GgF2	D	CsF2	C	AoC	B	VtF2	C	Cb	B
RaC2	B	MbC2	D	GfF2	D	CrD	A	AoA	B	W	D	CkA	B
RaC3	B	MaD2	D	GeG3	D	CpA	A	AnD	C	Wa	C	Hr	C
RaD2	B	MaB2	D	GdD2	B	CoA	A	AnC	C	Wb	C	Db	A
RaD3	B	MaA	D	GdC	B	CnC	A	AmC	B	Wc	C	Cr	B
RaE3	B	LpF2	D	GdA	B	CmC	A	AlE3	B	Wd	C	GtC	B
RdD2	C	LpE2	D	GaD2	B	ClC	A	AlE	B	WeD	C/D	Vr	C
RdE3	C	LoF2	D	GaC	B	CkF2	C	AlD	B	Wf	D	SbC	B
ReC2	B	LkF3	C	GaA	B	CkD2	C	AlC	B	Wg	D	ToF	D
RfC2	C	LkD2	C	FyF2	D	ChF2	C	AkD	B	Wh	D	116	C
RmE3	B	LcD2	C	FyE2	D	ChD2	C	AkC	B	Wm	D	144	C
RnD2	B	LaE3	C	FwE2	D	ChC	C	AdC	B	Wn	D	146	A
RnE3	B	LaD2	C	FkD2	D	Cg	B	AdA	B	WxD2	B	156	B
RsC	D	LaC2	C	FfC2	C	Cf	B	AcC	B	WyC2	B	163	A
RtF	D	LaC	C	FcF2	D	Ce	B	AbF	C	YbC	D	187	B
RuF	D	HuC2	B	FcD2	D	CdC2	B	AaF	C	YbD2	D	192	D
SdD	B	HoE	B	FbF2	D	CcD2	B	AaE2	C	YbE3	D	196	B
SeA	B	HnD2	B	FbC2	D	CcC2	B	AaD	C	YkE2	D	202	C
SeC2	B	HnC	B	FaE2	C	CbF2	C	SgD2	B	YrD2	C	147	A
SeD2	B	HlC	A	FaD2	C	CbD2	C	SmE2	C	YsC2	C	DAM	D
SfA	B	HlA	A	EyB	B	CaF2	C	SmF2	C	YsE2	C	GP	A
SgA	B	HhA2	B	EwB	C	CaD2	C	SnD2	C	YsE3	C	Ma	D
SgC	B	HgA	B	EpC2	B	CaC2	C	SpG2	C	142	C	BP	D
PlB	D	HfD	B	EpA	B	BxC2	C	SrE	A	197	A	M-W	D
PgD2	C	HeC2	B	EoB	C	BvD3	C	SsD	A	222	D	CP	D
PgC	C	HdD2	B	EnC2	C	BuD2	C	StF2	C	226	D		
PgB	C	HcD2	B	EnA	C	BuC2	C	SuF2	C	155	B		
PeC	C	HcC	B	EfF2	C	BtE3	B	TaF2	C	198	A		
PaC2	B	HcA	B	EcE2	C	BtD2	B	TbF2	C	152	D		
PaA	B	HaC	B	EcD2	C	BsE3	B	TeG	D	153	D		
OkD	B	GzG	D	EcC2	C	BsD2	B	TfF2	C	170	B		
OgE	B	GyE2	B	Dw	C	BsC2	B	ThD2	C	221	D		
OgD	B	GyD2	B	Dv	C	BkC2	B	ThE2	C	169	B		
MuE	D	GyC2	B	Du	C	BhC	D	Tp2	B	175	D		
MtE2	A	GyA	B	Dt	C	BhA	B	Tr2	B	145	C		
MsD	A	GxA	B	Ds2	C	BfD	C	Ts	B	216	B		
MsC	A	GwA	B	DrA	B	BfC	C	Tt2	B	135	B		
MrE	A	GvB	B	DpB	A	BdD	C	TuB	A	186	B		
MoD	A	GuB	B	DoA	A	BdC	C	TvC	A	213	B		
MoC	A	GtD	B	DnB	B	Bb	D	TwC	A	VaB	B		
MnE3	D	GtA	B	DmA	D	BaG	D	VaE3	D	VaC	B		

SUBBASIN S1


5002
4.0
4.0
3818
3689
S1
3507 ac
L=40,259'
3.5
3.5
3292
Lca=21,401'
3.0
2521

SUBBASIN S1 HYDROLOGIC SOIL GROUPS




SUBBASIN S1
LAND USE
5002
4.0
4.0
3818
3689
S1
3507 ac
L=40,259'
3.5
3.5
3292
Lca=21,401'
3.0
2521

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	5002	2521	40,259	21,401	0.020	0.59

	Area	F	Ap
	acres	in/hr	%
Totals:	3506.7	0.35	97.8%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	31	4.1539	70	1.00	0.37	0.37	1.527	4.15
B	32	0.0123	57	1.00	0.51	0.51	0.006	0.01
B	32	7.0966	57	1.00	0.51	0.51	3.587	7.10
B	32	2.9877	57	1.00	0.51	0.51	1.510	2.99
B	32	1.0192	57	1.00	0.51	0.51	0.515	1.02
B	32	0.7380	57	1.00	0.51	0.51	0.373	0.74
B	32	0.6553	57	1.00	0.51	0.51	0.331	0.66
B	32	1.4352	57	1.00	0.51	0.51	0.725	1.44
D	31	0.5077	87	1.00	0.17	0.17	0.087	0.51
A	32	0.1222	45	1.00	0.62	0.62	0.076	0.12
A	32	1.0697	45	1.00	0.62	0.62	0.667	1.07
A	32	0.0618	45	1.00	0.62	0.62	0.039	0.06
A	42	7.0309	36	1.00	0.71	0.71	4.970	7.03
A	42	0.8936	36	1.00	0.71	0.71	0.632	0.89
A	42	0.3007	36	1.00	0.71	0.71	0.213	0.30
B	42	13.1937	60	1.00	0.47	0.47	6.260	13.19
B	11	0.8888	73	0.50	0.33	0.18	0.163	0.44
B	11	0.0731	73	0.50	0.33	0.18	0.013	0.04
B	11	0.2477	73	0.50	0.33	0.18	0.046	0.12
B	11	0.1302	73	0.50	0.33	0.18	0.024	0.07
B	11	2.4913	73	0.50	0.33	0.18	0.458	1.25
B	11	4.6481	73	0.50	0.33	0.18	0.854	2.32
B	11	8.2630	73	0.50	0.33	0.18	1.519	4.13
B	11	13.9983	73	0.50	0.33	0.18	2.573	7.00
B	11	0.5039	73	0.50	0.33	0.18	0.093	0.25
B	11	23.8424	73	0.50	0.33	0.18	4.383	11.92
B	11	31.2733	73	0.50	0.33	0.18	5.749	15.64
B	11	9.4663	73	0.50	0.33	0.18	1.740	4.73
C	32	0.4213	68	1.00	0.39	0.39	0.164	0.42
B	22	0.1240	65	1.00	0.42	0.42	0.052	0.12
C	21	0.2203	80	1.00	0.25	0.25	0.056	0.22
B	32	0.3400	57	1.00	0.51	0.51	0.172	0.34
B	11	0.0044	73.00	0.50	0.33	0.18	0.001	0.00
B	11	2.4663	73.00	0.50	0.33	0.18	0.453	1.23
D	11	0.0155	86.00	0.50	0.18	0.10	0.002	0.01
B	11	4.7743	73.00	0.50	0.33	0.18	0.878	2.39
B	11	17.6850	73.00	0.50	0.33	0.18	3.251	8.84
B	32	10.0039	57	1.00	0.51	0.51	5.056	10.00
B	32	0.1979	57	1.00	0.51	0.51	0.100	0.20
C	32	1.1092	68	1.00	0.39	0.39	0.432	1.11

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
C	31	0.1054	80	1.00	0.25	0.25	0.027	0.11
B	32	0.4674	57	1.00	0.51	0.51	0.236	0.47
C	31	0.2881	80	1.00	0.25	0.25	0.073	0.29
B	31	12.1802	70.00	1.00	0.37	0.37	4.476	12.18
B	32	0.0031	57.00	1.00	0.51	0.51	0.002	0.00
A	32	9.5635	45.00	1.00	0.62	0.62	5.965	9.56
A	31	0.0063	49.00	1.00	0.59	0.59	0.004	0.01
B	32	0.1198	57.00	1.00	0.51	0.51	0.061	0.12
A	32	0.2303	45	1.00	0.62	0.62	0.144	0.23
B	32	3.2413	57	1.00	0.51	0.51	1.638	3.24
A	32	0.0862	45	1.00	0.62	0.62	0.054	0.09
B	32	1.5881	57	1.00	0.51	0.51	0.803	1.59
A	32	0.2894	45	1.00	0.62	0.62	0.181	0.29
B	32	12.3515	57	1.00	0.51	0.51	6.243	12.35
B	32	0.0720	57	1.00	0.51	0.51	0.036	0.07
B	32	1.1740	57	1.00	0.51	0.51	0.593	1.17
B	32	0.2857	57	1.00	0.51	0.51	0.144	0.29
B	32	0.0298	57	1.00	0.51	0.51	0.015	0.03
C	21	0.0069	80	1.00	0.25	0.25	0.002	0.01
B	21	0.1744	72	1.00	0.35	0.35	0.060	0.17
B	21	0.4655	72.00	1.00	0.35	0.35	0.161	0.47
B	32	1.6409	57.00	1.00	0.51	0.51	0.829	1.64
D	21	1.0566	85.00	1.00	0.20	0.20	0.207	1.06
B	32	0.0118	57.00	1.00	0.51	0.51	0.006	0.01
B	21	0.1170	72	1.00	0.35	0.35	0.040	0.12
B	32	0.4426	57	1.00	0.51	0.51	0.224	0.44
B	32	0.0526	57	1.00	0.51	0.51	0.027	0.05
B	42	0.1656	60	1.00	0.47	0.47	0.079	0.17
C	32	23.1493	68	1.00	0.39	0.39	9.014	23.15
B	32	10.1495	57	1.00	0.51	0.51	5.130	10.15
B	32	0.9304	57	1.00	0.51	0.51	0.470	0.93
B	32	10.6938	57	1.00	0.51	0.51	5.405	10.69
C	32	0.0002	68	1.00	0.39	0.39	0.000	0.00
C	32	18.4407	68	1.00	0.39	0.39	7.180	18.44
C	32	0.0002	68	1.00	0.39	0.39	0.000	0.00
C	32	0.0003	68	1.00	0.39	0.39	0.000	0.00
D	32	0.0009	74	1.00	0.32	0.32	0.000	0.00
B	21	0.0002	72	1.00	0.35	0.35	0.000	0.00
D	21	0.1844	85	1.00	0.20	0.20	0.036	0.18
B	12	0.9805	92	0.10	0.11	0.02	0.021	0.10
A	12	3.2238	89	0.10	0.15	0.03	0.090	0.32
A	12	9.8553	89	0.10	0.15	0.03	0.277	0.99
A	12	3.7213	89	0.10	0.15	0.03	0.104	0.37
A	21	0.1395	57	1.00	0.51	0.51	0.071	0.14
A	22	0.3976	43	1.00	0.64	0.64	0.256	0.40
A	21	0.2558	57	1.00	0.51	0.51	0.129	0.26
A	22	0.2368	43	1.00	0.64	0.64	0.152	0.24
A	22	4.7014	43	1.00	0.64	0.64	3.021	4.70
B	21	1.1834	72	1.00	0.35	0.35	0.409	1.18
B	21	0.3249	72	1.00	0.35	0.35	0.112	0.32
B	33	0.0723	64	1.00	0.43	0.43	0.031	0.07
B	33	3.8171	64	1.00	0.43	0.43	1.651	3.82
B	33	1.2543	64	1.00	0.43	0.43	0.542	1.25
B	21	1.4019	72	1.00	0.35	0.35	0.484	1.40
B	33	0.0007	64	1.00	0.43	0.43	0.000	0.00
B	21	0.0067	72	1.00	0.35	0.35	0.002	0.01

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.1366	72	1.00	0.35	0.35	0.047	0.14
B	21	0.0111	72	1.00	0.35	0.35	0.004	0.01
B	33	0.3275	64	1.00	0.43	0.43	0.142	0.33
A	33	0.1133	47	1.00	0.60	0.60	0.069	0.11
A	21	0.5689	57	1.00	0.51	0.51	0.288	0.57
B	15	0.0068	88	0.10	0.16	0.03	0.000	0.00
B	15	1.9374	88	0.10	0.16	0.03	0.059	0.19
C	42	12.4792	73	1.00	0.33	0.33	4.171	12.48
C	42	19.9353	73	1.00	0.33	0.33	6.663	19.94
B	21	1.9351	72	1.00	0.35	0.35	0.668	1.94
B	21	4.7484	72	1.00	0.35	0.35	1.640	4.75
B	21	0.0009	72	1.00	0.35	0.35	0.000	0.00
B	21	6.4710	72	1.00	0.35	0.35	2.235	6.47
B	32	9.3898	57	1.00	0.51	0.51	4.746	9.39
C	21	0.0152	80	1.00	0.25	0.25	0.004	0.02
C	32	52.4822	68	1.00	0.39	0.39	20.436	52.48
C	32	114.3339	68	1.00	0.39	0.39	44.519	114.33
B	21	0.0001	72	1.00	0.35	0.35	0.000	0.00
B	21	2.0927	72	1.00	0.35	0.35	0.723	2.09
B	21	11.2424	72	1.00	0.35	0.35	3.883	11.24
B	21	128.3327	72	1.00	0.35	0.35	44.324	128.33
A	21	9.6211	57	1.00	0.51	0.51	4.863	9.62
B	21	28.6269	72	1.00	0.35	0.35	9.887	28.63
B	21	77.4271	72	1.00	0.35	0.35	26.742	77.43
B	21	134.6388	72	1.00	0.35	0.35	46.502	134.64
B	21	3.3607	72	1.00	0.35	0.35	1.161	3.36
B	21	1.6739	72	1.00	0.35	0.35	0.578	1.67
B	33	0.3874	64	1.00	0.43	0.43	0.168	0.39
B	21	4.8527	72	1.00	0.35	0.35	1.676	4.85
B	21	7.7611	72	1.00	0.35	0.35	2.681	7.76
A	21	13.3744	57	1.00	0.51	0.51	6.760	13.37
A	33	12.2585	47	1.00	0.60	0.60	7.412	12.26
B	21	3.9006	72	1.00	0.35	0.35	1.347	3.90
B	21	80.7083	72	1.00	0.35	0.35	27.875	80.71
B	33	2.1360	64	1.00	0.43	0.43	0.924	2.14
B	22	0.0003	65	1.00	0.42	0.42	0.000	0.00
B	33	2.2582	64	1.00	0.43	0.43	0.977	2.26
B	33	9.7062	64	1.00	0.43	0.43	4.197	9.71
B	21	24.2485	72	1.00	0.35	0.35	8.375	24.25
B	21	12.2705	72	1.00	0.35	0.35	4.238	12.27
B	33	30.1701	64	1.00	0.43	0.43	13.046	30.17
B	33	0.4471	64	1.00	0.43	0.43	0.193	0.45
B	42	0.0093	60	1.00	0.47	0.47	0.004	0.01
A	33	3.6418	47	1.00	0.60	0.60	2.202	3.64
B	33	3.3430	64	1.00	0.43	0.43	1.446	3.34
A	33	0.0626	47	1.00	0.60	0.60	0.038	0.06
A	21	39.2043	57	1.00	0.51	0.51	19.815	39.20
B	21	12.9909	72	1.00	0.35	0.35	4.487	12.99
A	33	11.7019	47	1.00	0.60	0.60	7.075	11.70
B	33	3.1312	64	1.00	0.43	0.43	1.354	3.13
A	21	23.0391	57	1.00	0.51	0.51	11.645	23.04
B	21	194.5012	72	1.00	0.35	0.35	67.177	194.50
A	22	36.1480	43	1.00	0.64	0.64	23.230	36.15
B	22	19.2929	65	1.00	0.42	0.42	8.137	19.29
A	76	0.0532	77	1.00	0.29	0.29	0.015	0.05
A	21	10.6306	57	1.00	0.51	0.51	5.373	10.63

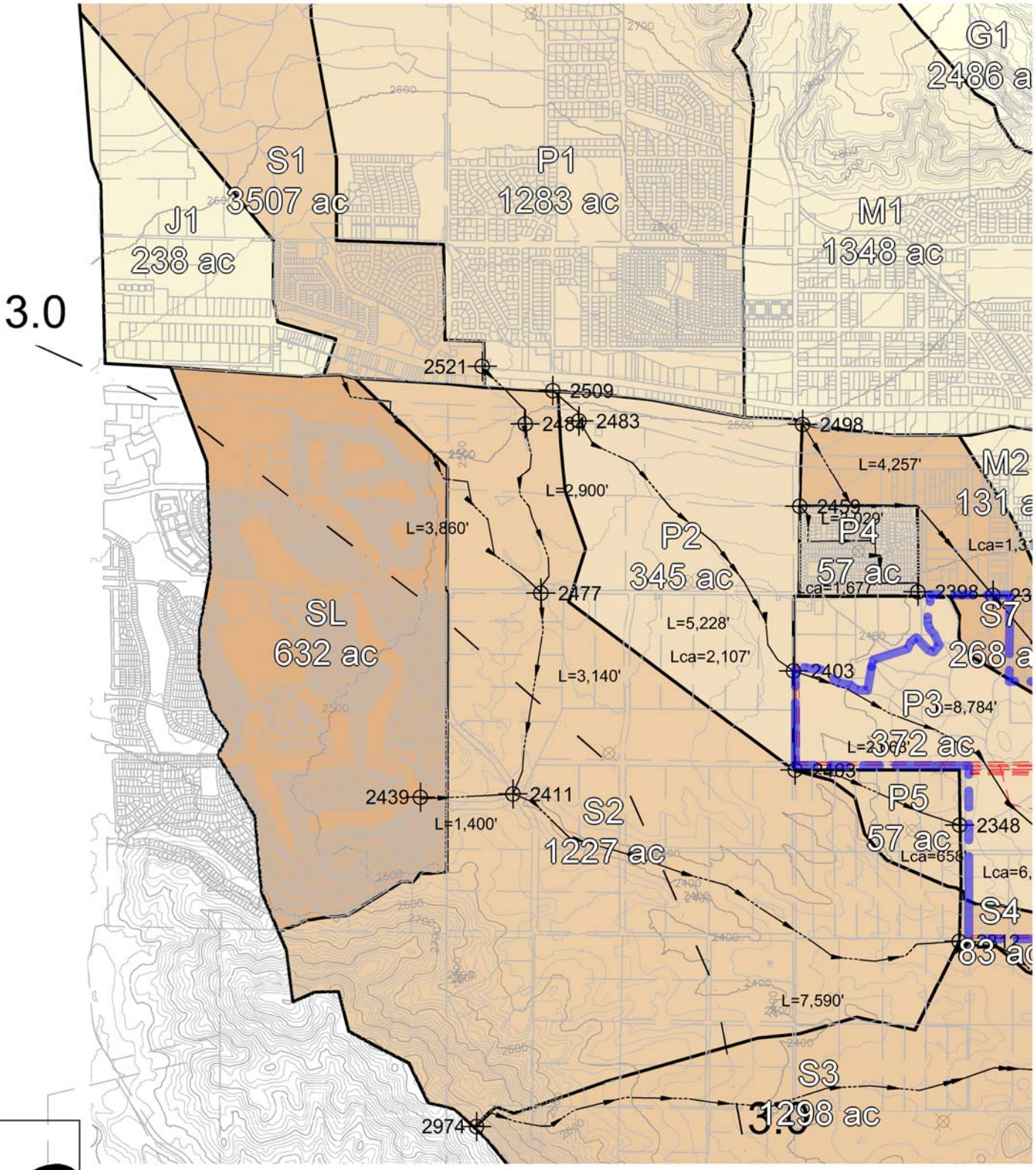
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	21	77.7037	57	1.00	0.51	0.51	39.274	77.70
A	76	0.2324	77	1.00	0.29	0.29	0.067	0.23
B	76	0.1762	86	1.00	0.18	0.18	0.032	0.18
B	42	5.1631	60	1.00	0.47	0.47	2.450	5.16
C	32	4.4413	68	1.00	0.39	0.39	1.729	4.44
B	32	6.2339	57	1.00	0.51	0.51	3.151	6.23
C	32	0.0014	68	1.00	0.39	0.39	0.001	0.00
B	32	2.9471	57	1.00	0.51	0.51	1.490	2.95
B	42	0.0208	60	1.00	0.47	0.47	0.010	0.02
B	42	0.0468	60	1.00	0.47	0.47	0.022	0.05
B	32	0.8040	57	1.00	0.51	0.51	0.406	0.80
C	21	0.6917	80	1.00	0.25	0.25	0.176	0.69
B	32	0.7974	57	1.00	0.51	0.51	0.403	0.80
B	32	2.6208	57	1.00	0.51	0.51	1.325	2.62
B	31	0.1898	70	1.00	0.37	0.37	0.070	0.19
B	31	0.0136	70	1.00	0.37	0.37	0.005	0.01
B	21	4.9325	72	1.00	0.35	0.35	1.704	4.93
D	21	2.2229	85	1.00	0.20	0.20	0.435	2.22
B	32	0.6503	57	1.00	0.51	0.51	0.329	0.65
C	32	0.0418	68	1.00	0.39	0.39	0.016	0.04
C	32	26.3414	68	1.00	0.39	0.39	10.257	26.34
C	32	4.9307	68	1.00	0.39	0.39	1.920	4.93
D	32	1.4623	74	1.00	0.32	0.32	0.472	1.46
B	32	2.9229	57	1.00	0.51	0.51	1.477	2.92
B	32	1.6102	57	1.00	0.51	0.51	0.814	1.61
B	32	0.6305	57	1.00	0.51	0.51	0.319	0.63
B	22	0.1376	65	1.00	0.42	0.42	0.058	0.14
D	22	1.5416	82	1.00	0.23	0.23	0.356	1.54
B	31	0.6489	70	1.00	0.37	0.37	0.238	0.65
D	32	7.6909	74	1.00	0.32	0.32	2.484	7.69
A	32	1.9019	45	1.00	0.62	0.62	1.186	1.90
B	31	165.3111	70	1.00	0.37	0.37	60.752	165.31
B	31	1.8385	70	1.00	0.37	0.37	0.676	1.84
C	32	2.3327	68	1.00	0.39	0.39	0.908	2.33
C	31	1.3206	80	1.00	0.25	0.25	0.336	1.32
C	31	2.8496	80	1.00	0.25	0.25	0.725	2.85
C	31	0.9541	80	1.00	0.25	0.25	0.243	0.95
B	31	28.4762	70	1.00	0.37	0.37	10.465	28.48
B	31	3.5890	70	1.00	0.37	0.37	1.319	3.59
C	31	0.1655	80	1.00	0.25	0.25	0.042	0.17
A	31	14.4058	49	1.00	0.59	0.59	8.431	14.41
D	31	2.9135	87	1.00	0.17	0.17	0.501	2.91
D	32	4.8277	74	1.00	0.32	0.32	1.559	4.83
B	31	6.9918	70	1.00	0.37	0.37	2.570	6.99
D	31	0.6556	87	1.00	0.17	0.17	0.113	0.66
B	32	0.0382	57	1.00	0.51	0.51	0.019	0.04
B	32	6.6306	57	1.00	0.51	0.51	3.351	6.63
B	31	16.2465	70	1.00	0.37	0.37	5.971	16.25
B	21	0.6056	72	1.00	0.35	0.35	0.209	0.61
B	32	0.5013	57	1.00	0.51	0.51	0.253	0.50
B	21	11.0037	72	1.00	0.35	0.35	3.800	11.00
B	21	0.6741	72	1.00	0.35	0.35	0.233	0.67
C	31	8.3612	80	1.00	0.25	0.25	2.128	8.36
B	31	5.4375	70	1.00	0.37	0.37	1.998	5.44
C	31	3.6863	80	1.00	0.25	0.25	0.938	3.69
B	32	1.5091	57	1.00	0.51	0.51	0.763	1.51

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
C	32	1.7081	68	1.00	0.39	0.39	0.665	1.71
B	32	0.7895	57	1.00	0.51	0.51	0.399	0.79
C	32	7.6981	68	1.00	0.39	0.39	2.998	7.70
C	32	1.7810	68	1.00	0.39	0.39	0.693	1.78
C	31	3.0257	80	1.00	0.25	0.25	0.770	3.03
C	31	10.8622	80	1.00	0.25	0.25	2.764	10.86
C	31	0.4850	80	1.00	0.25	0.25	0.123	0.49
A	32	1.4375	45	1.00	0.62	0.62	0.897	1.44
B	32	7.9500	57	1.00	0.51	0.51	4.018	7.95
C	21	158.8672	80	1.00	0.25	0.25	40.432	158.87
C	21	0.2994	80	1.00	0.25	0.25	0.076	0.30
B	21	0.2778	72	1.00	0.35	0.35	0.096	0.28
D	33	118.6795	81	1.00	0.24	0.24	28.824	118.68
A	33	1.5150	47	1.00	0.60	0.60	0.916	1.52
A	42	1.3091	36	1.00	0.71	0.71	0.925	1.31
B	32	8.0603	57	1.00	0.51	0.51	4.074	8.06
B	42	2.9883	60	1.00	0.47	0.47	1.418	2.99
B	31	11.5180	70	1.00	0.37	0.37	4.233	11.52
D	32	4.2466	74	1.00	0.32	0.32	1.372	4.25
C	32	16.9880	68	1.00	0.39	0.39	6.615	16.99
B	32	1.6307	57	1.00	0.51	0.51	0.824	1.63
B	32	0.5320	57	1.00	0.51	0.51	0.269	0.53
B	21	17.7865	72	1.00	0.35	0.35	6.143	17.79
D	21	6.7037	85	1.00	0.20	0.20	1.312	6.70
B	31	22.6939	70	1.00	0.37	0.37	8.340	22.69
B	21	5.6474	72	1.00	0.35	0.35	1.951	5.65
D	21	5.4794	85	1.00	0.20	0.20	1.073	5.48
B	21	9.5077	72	1.00	0.35	0.35	3.284	9.51
B	21	71.4699	72	1.00	0.35	0.35	24.684	71.47
B	21	2.0152	72	1.00	0.35	0.35	0.696	2.02
B	21	4.7389	72	1.00	0.35	0.35	1.637	4.74
B	21	7.3674	72	1.00	0.35	0.35	2.545	7.37
B	21	11.5636	72	1.00	0.35	0.35	3.994	11.56
A	33	2.1427	47	1.00	0.60	0.60	1.296	2.14
B	33	12.3708	64	1.00	0.43	0.43	5.349	12.37
B	21	78.6482	72	1.00	0.35	0.35	27.164	78.65
B	21	76.8236	72	1.00	0.35	0.35	26.533	76.82
B	32	8.0221	57	1.00	0.51	0.51	4.055	8.02
A	32	0.6843	45	1.00	0.62	0.62	0.427	0.68
B	33	4.4996	64	1.00	0.43	0.43	1.946	4.50
B	33	10.2183	64	1.00	0.43	0.43	4.419	10.22
B	32	2.6274	57	1.00	0.51	0.51	1.328	2.63
A	32	2.1046	45	1.00	0.62	0.62	1.313	2.10
B	31	5.9190	70	1.00	0.37	0.37	2.175	5.92
B	31	91.4758	70	1.00	0.37	0.37	33.617	91.48
D	31	72.1519	87	1.00	0.17	0.17	12.398	72.15
C	31	4.4244	80	1.00	0.25	0.25	1.126	4.42
B	31	11.1482	70	1.00	0.37	0.37	4.097	11.15
C	31	15.9046	80	1.00	0.25	0.25	4.048	15.90
B	32	1.8959	57	1.00	0.51	0.51	0.958	1.90
B	32	4.4317	57	1.00	0.51	0.51	2.240	4.43
C	32	118.9672	68	1.00	0.39	0.39	46.323	118.97
B	32	2.3712	57	1.00	0.51	0.51	1.198	2.37
B	32	1.6034	57	1.00	0.51	0.51	0.810	1.60
B	11	0.0958	73	0.50	0.33	0.18	0.018	0.05
B	32	1.3414	57	1.00	0.51	0.51	0.678	1.34

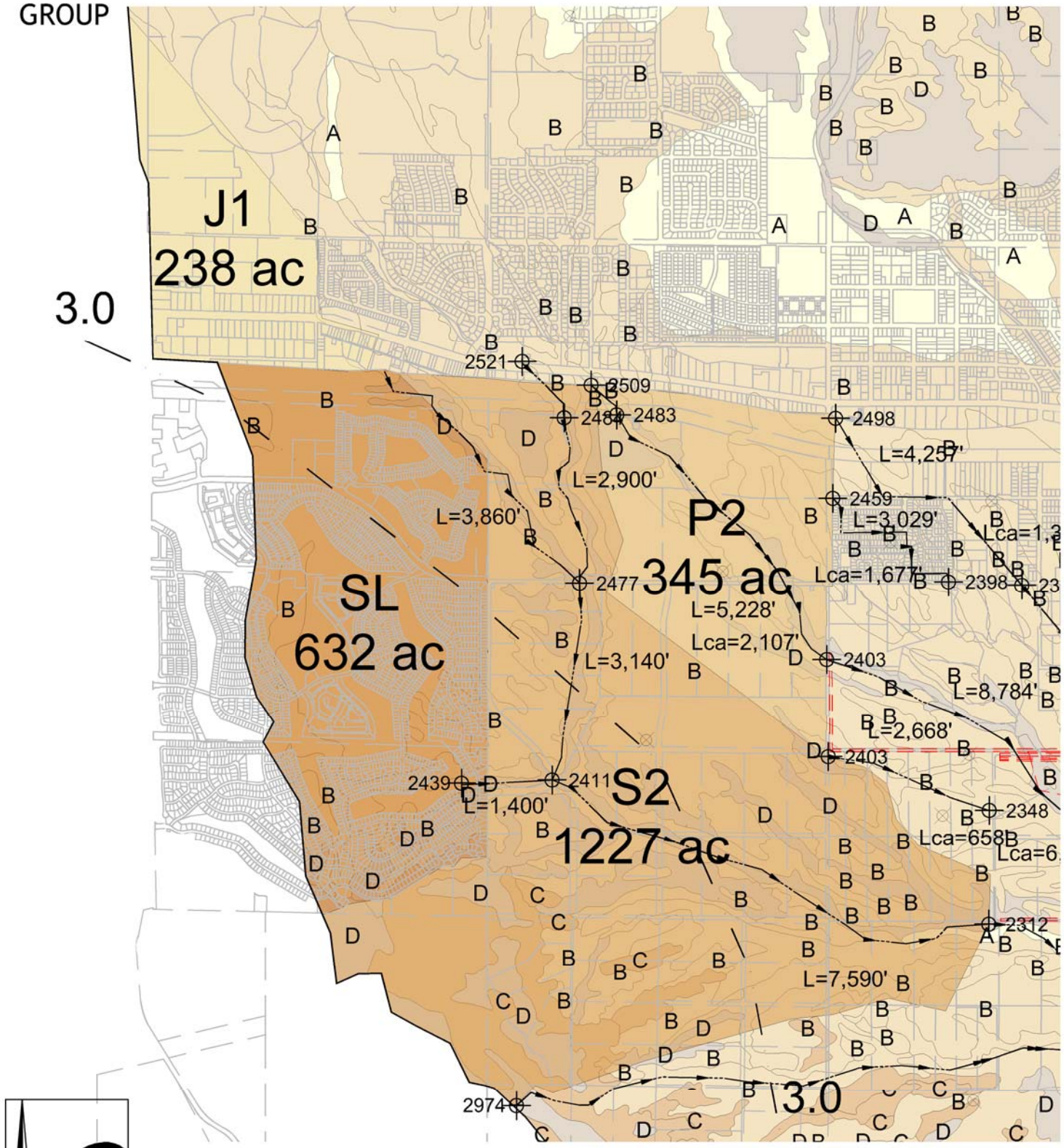
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	31	2.5798	70	1.00	0.37	0.37	0.948	2.58
D	31	3.7427	87	1.00	0.17	0.17	0.643	3.74
D	32	69.3857	74	1.00	0.32	0.32	22.413	69.39
C	32	11.4562	68	1.00	0.39	0.39	4.461	11.46
D	32	317.8331	74	1.00	0.32	0.32	102.666	317.83
D	42	80.0452	79	1.00	0.27	0.27	21.298	80.05
D	32	4.6367	74	1.00	0.32	0.32	1.498	4.64
B	15	0.0096	88	0.10	0.16	0.03	0.000	0.00
B	15	0.1926	88	0.10	0.16	0.03	0.006	0.02
D	21	8.3179	85	1.00	0.20	0.20	1.628	8.32
D	21	0.0009	85	1.00	0.20	0.20	0.000	0.00

SUBBASIN J1, SL, S2, P2

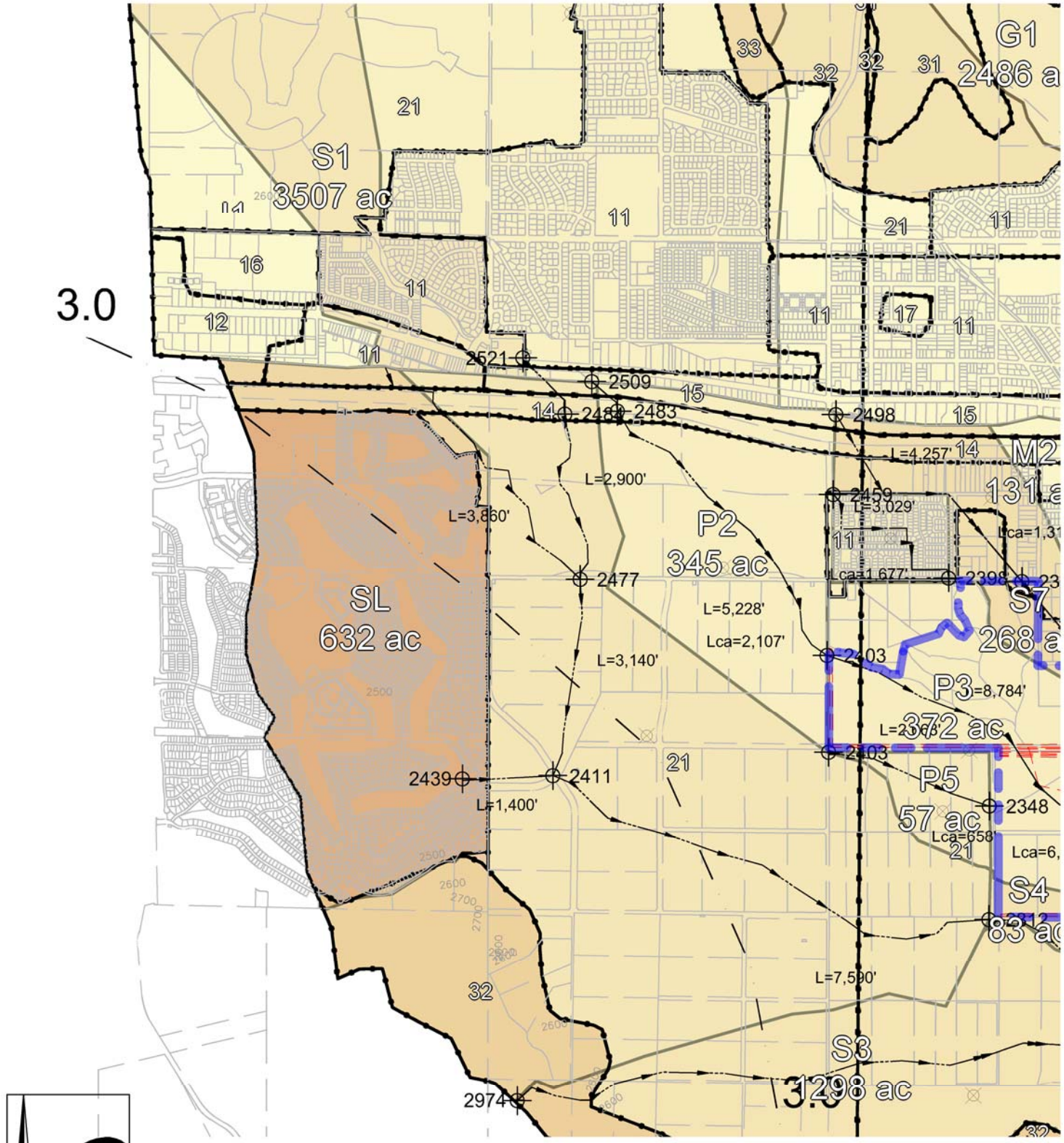
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SUBBASIN J1, SL, S2, P2
HYDROLOGIC SOIL
GROUP



SUBBASIN J1, SL, S2, P2
LAND USE



Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2484	2312	13,630	7,590	0.022	0.39

	Area	F	Ap
	acres	in/hr	%
Totals:	1226.9	0.31	97.3%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.0571	72	1.00	0.35	0.35	0.020	0.06
B	21	2.7258	72	1.00	0.35	0.35	0.941	2.73
D	11	0.3949	86.00	0.50	0.18	0.10	0.040	0.20
C	11	0.0261	82.00	0.50	0.23	0.13	0.003	0.01
C	32	0.9826	68.00	1.00	0.39	0.39	0.383	0.98
D	21	0.0055	85.00	1.00	0.20	0.20	0.001	0.01
B	32	0.1233	57.00	1.00	0.51	0.51	0.062	0.12
C	21	0.0500	80.00	1.00	0.25	0.25	0.013	0.05
B	32	0.1135	57.00	1.00	0.51	0.51	0.057	0.11
C	21	0.0012	80	1.00	0.25	0.25	0.000	0.00
B	21	2.2879	72	1.00	0.35	0.35	0.790	2.29
B	21	13.7184	72	1.00	0.35	0.35	4.738	13.72
B	21	1.2694	72	1.00	0.35	0.35	0.438	1.27
D	14	3.6656	93	0.10	0.10	0.02	0.069	0.37
D	21	0.4279	85	1.00	0.20	0.20	0.084	0.43
D	21	0.2335	85.00	1.00	0.20	0.20	0.046	0.23
B	21	0.4485	72.00	1.00	0.35	0.35	0.155	0.45
B	21	0.0267	72.00	1.00	0.35	0.35	0.009	0.03
D	21	0.1340	85.00	1.00	0.20	0.20	0.026	0.13
C	32	0.8889	68	1.00	0.39	0.39	0.346	0.89
D	32	12.5738	74	1.00	0.32	0.32	4.062	12.57
B	11	0.0331	73	0.50	0.33	0.18	0.006	0.02
B	11	1.6986	73	0.50	0.33	0.18	0.312	0.85
D	11	1.8041	86	0.50	0.18	0.10	0.182	0.90
D	14	2.4626	93	0.10	0.10	0.02	0.046	0.25
B	15	0.7851	88	0.10	0.16	0.03	0.024	0.08
B	15	1.7267	88	0.10	0.16	0.03	0.052	0.17
B	15	2.4060	88	0.10	0.16	0.03	0.073	0.24
B	15	3.6930	88	0.10	0.16	0.03	0.112	0.37
B	11	3.5368	73	0.50	0.33	0.18	0.650	1.77
B	15	0.5050	88	0.10	0.16	0.03	0.015	0.05
B	15	0.0095	88	0.10	0.16	0.03	0.000	0.00
B	11	0.0002	73	0.50	0.33	0.18	0.000	0.00
D	11	0.0162	86	0.50	0.18	0.10	0.002	0.01
D	11	0.0223	86	0.50	0.18	0.10	0.002	0.01
B	11	0.0319	73	0.50	0.33	0.18	0.006	0.02
B	21	3.0369	72	1.00	0.35	0.35	1.049	3.04
B	21	0.7542	72	1.00	0.35	0.35	0.261	0.75
B	21	0.5772	72	1.00	0.35	0.35	0.199	0.58
B	21	0.3831	72	1.00	0.35	0.35	0.132	0.38

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.3094	72	1.00	0.35	0.35	0.452	1.31
B	21	0.9453	72	1.00	0.35	0.35	0.326	0.95
B	21	5.7412	72	1.00	0.35	0.35	1.983	5.74
B	21	0.6206	72	1.00	0.35	0.35	0.214	0.62
D	21	2.5335	85	1.00	0.20	0.20	0.496	2.53
D	21	0.2550	85	1.00	0.20	0.20	0.050	0.26
D	21	3.8833	85	1.00	0.20	0.20	0.760	3.88
B	21	0.4209	72	1.00	0.35	0.35	0.145	0.42
B	21	11.0108	72	1.00	0.35	0.35	3.803	11.01
B	21	8.3377	72	1.00	0.35	0.35	2.880	8.34
B	21	2.1724	72	1.00	0.35	0.35	0.750	2.17
B	21	15.5685	72	1.00	0.35	0.35	5.377	15.57
A	21	4.5039	57	1.00	0.51	0.51	2.276	4.50
B	21	18.0239	72	1.00	0.35	0.35	6.225	18.02
B	21	1.3868	72	1.00	0.35	0.35	0.479	1.39
B	21	16.5087	72	1.00	0.35	0.35	5.702	16.51
B	21	0.2804	72	1.00	0.35	0.35	0.097	0.28
C	21	2.8931	80	1.00	0.25	0.25	0.736	2.89
B	21	12.5264	72	1.00	0.35	0.35	4.326	12.53
B	21	4.0514	72	1.00	0.35	0.35	1.399	4.05
B	21	2.6700	72	1.00	0.35	0.35	0.922	2.67
C	21	7.1441	80	1.00	0.25	0.25	1.818	7.14
D	21	4.7435	85	1.00	0.20	0.20	0.929	4.74
D	32	0.0115	74	1.00	0.32	0.32	0.004	0.01
D	32	0.7992	74	1.00	0.32	0.32	0.258	0.80
D	21	1.3088	85	1.00	0.20	0.20	0.256	1.31
B	21	1.0546	72	1.00	0.35	0.35	0.364	1.05
B	21	7.6880	72	1.00	0.35	0.35	2.655	7.69
B	21	3.0185	72	1.00	0.35	0.35	1.043	3.02
D	21	4.7980	85	1.00	0.20	0.20	0.939	4.80
C	21	3.9881	80	1.00	0.25	0.25	1.015	3.99
D	32	1.1485	74	1.00	0.32	0.32	0.371	1.15
D	32	32.9826	74	1.00	0.32	0.32	10.654	32.98
B	21	8.6897	72	1.00	0.35	0.35	3.001	8.69
B	21	0.6059	72	1.00	0.35	0.35	0.209	0.61
B	21	10.2500	72	1.00	0.35	0.35	3.540	10.25
B	21	0.5597	72	1.00	0.35	0.35	0.193	0.56
B	21	0.0598	72	1.00	0.35	0.35	0.021	0.06
B	21	12.4425	72	1.00	0.35	0.35	4.297	12.44
B	21	13.7922	72	1.00	0.35	0.35	4.764	13.79
D	21	9.3524	85	1.00	0.20	0.20	1.831	9.35
D	21	3.6489	85	1.00	0.20	0.20	0.714	3.65
B	21	3.5668	72	1.00	0.35	0.35	1.232	3.57
B	21	3.2420	72	1.00	0.35	0.35	1.120	3.24
D	21	2.3661	85	1.00	0.20	0.20	0.463	2.37
B	21	0.9512	72	1.00	0.35	0.35	0.329	0.95
D	21	7.0526	85	1.00	0.20	0.20	1.381	7.05
B	21	9.7103	72	1.00	0.35	0.35	3.354	9.71
D	21	4.6437	85	1.00	0.20	0.20	0.909	4.64
B	21	0.1273	72	1.00	0.35	0.35	0.044	0.13
D	21	0.2392	85	1.00	0.20	0.20	0.047	0.24
B	21	16.6853	72	1.00	0.35	0.35	5.763	16.69
B	21	1.8436	72	1.00	0.35	0.35	0.637	1.84
B	21	0.5145	72	1.00	0.35	0.35	0.178	0.51
D	21	18.9874	85	1.00	0.20	0.20	3.717	18.99
B	21	36.4713	72	1.00	0.35	0.35	12.596	36.47

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	149.2882	72	1.00	0.35	0.35	51.561	149.29
B	21	7.5362	72	1.00	0.35	0.35	2.603	7.54
D	21	3.1173	85	1.00	0.20	0.20	0.610	3.12
B	21	9.7736	72	1.00	0.35	0.35	3.376	9.77
D	14	1.0145	93	0.10	0.10	0.02	0.019	0.10
B	21	1.2260	72	1.00	0.35	0.35	0.423	1.23
D	14	0.8338	93	0.10	0.10	0.02	0.016	0.08
B	21	1.6392	72	1.00	0.35	0.35	0.566	1.64
B	21	1.2570	72	1.00	0.35	0.35	0.434	1.26
D	21	15.5012	85	1.00	0.20	0.20	3.034	15.50
B	21	3.2033	72	1.00	0.35	0.35	1.106	3.20
B	21	2.7638	72	1.00	0.35	0.35	0.955	2.76
D	21	14.7974	85	1.00	0.20	0.20	2.897	14.80
B	21	4.3574	72	1.00	0.35	0.35	1.505	4.36
B	14	0.5708	89	0.10	0.15	0.03	0.016	0.06
B	14	1.4340	89	0.10	0.15	0.03	0.040	0.14
D	21	3.2852	85	1.00	0.20	0.20	0.643	3.29
B	21	43.5492	72	1.00	0.35	0.35	15.041	43.55
B	14	0.8658	89	0.10	0.15	0.03	0.024	0.09
B	21	5.1533	72	1.00	0.35	0.35	1.780	5.15
B	21	26.9743	72	1.00	0.35	0.35	9.316	26.97
D	21	10.8010	85	1.00	0.20	0.20	2.114	10.80
B	14	1.9450	89	0.10	0.15	0.03	0.055	0.19
B	14	8.4148	89	0.10	0.15	0.03	0.236	0.84
B	21	4.3737	72	1.00	0.35	0.35	1.511	4.37
B	21	20.0136	72	1.00	0.35	0.35	6.912	20.01
B	21	0.0193	72	1.00	0.35	0.35	0.007	0.02
B	21	18.6612	72	1.00	0.35	0.35	6.445	18.66
C	21	12.8324	80	1.00	0.25	0.25	3.266	12.83
B	21	45.5508	72	1.00	0.35	0.35	15.732	45.55
D	32	32.9042	74	1.00	0.32	0.32	10.629	32.90
C	32	115.3950	68	1.00	0.39	0.39	44.933	115.40
B	21	17.2761	72	1.00	0.35	0.35	5.967	17.28
C	21	6.6937	80	1.00	0.25	0.25	1.704	6.69
B	21	10.2712	72	1.00	0.35	0.35	3.547	10.27
B	21	1.7228	72	1.00	0.35	0.35	0.595	1.72
C	21	5.1396	80	1.00	0.25	0.25	1.308	5.14
D	21	22.8965	85	1.00	0.20	0.20	4.482	22.90
B	21	3.0062	72	1.00	0.35	0.35	1.038	3.01
B	21	3.6780	72	1.00	0.35	0.35	1.270	3.68
B	21	31.7847	72	1.00	0.35	0.35	10.978	31.78
D	21	33.6906	85	1.00	0.20	0.20	6.595	33.69
B	21	11.0591	72	1.00	0.35	0.35	3.820	11.06
B	21	32.9283	72	1.00	0.35	0.35	11.373	32.93
D	21	59.2664	85	1.00	0.20	0.20	11.601	59.27
D	14	1.3118	93	0.10	0.10	0.02	0.025	0.13
B	14	1.1251	89	0.10	0.15	0.03	0.032	0.11
D	21	1.5359	85	1.00	0.20	0.20	0.301	1.54
D	11	0.7317	86	0.50	0.18	0.10	0.074	0.37

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2483	2403	5,228	2,107	0.020	0.15

	Area				F	Ap
	acres				in/hr	%
Totals:	344.6				0.28	86.4%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	1.3666	85	1.00	0.20	0.20	0.268	1.37
B	21	0.1541	72	1.00	0.35	0.35	0.053	0.15
B	14	0.0236	89	0.10	0.15	0.03	0.001	0.00
D	21	12.5795	85	1.00	0.20	0.20	2.462	12.58
B	21	5.5639	72	1.00	0.35	0.35	1.922	5.56
B	21	0.0031	72	1.00	0.35	0.35	0.001	0.00
B	11	0.1263	73	0.50	0.33	0.18	0.023	0.06
B	11	1.6088	73	0.50	0.33	0.18	0.296	0.80
B	11	1.2518	73	0.50	0.33	0.18	0.230	0.63
B	15	4.5982	88	0.10	0.16	0.03	0.140	0.46
B	14	0.8100	89	0.10	0.15	0.03	0.023	0.08
B	15	2.9174	88	0.10	0.16	0.03	0.089	0.29
B	14	11.7011	89	0.10	0.15	0.03	0.328	1.17
B	15	6.9095	88	0.10	0.16	0.03	0.210	0.69
B	15	1.8922	88	0.10	0.16	0.03	0.057	0.19
B	14	1.6527	89	0.10	0.15	0.03	0.046	0.17
B	15	2.2078	88	0.10	0.16	0.03	0.067	0.22
B	15	1.0641	88	0.10	0.16	0.03	0.032	0.11
B	15	0.5607	88	0.10	0.16	0.03	0.017	0.06
B	15	0.2229	88	0.10	0.16	0.03	0.007	0.02
B	14	0.4131	89	0.10	0.15	0.03	0.012	0.04
B	21	1.5079	72	1.00	0.35	0.35	0.521	1.51
D	21	5.2103	85	1.00	0.20	0.20	1.020	5.21
B	21	12.1902	72	1.00	0.35	0.35	4.210	12.19
B	21	3.9233	72	1.00	0.35	0.35	1.355	3.92
B	21	114.8468	72	1.00	0.35	0.35	39.666	114.85
B	21	27.4645	72	1.00	0.35	0.35	9.486	27.46
B	21	11.9330	72	1.00	0.35	0.35	4.121	11.93
B	21	19.0786	72	1.00	0.35	0.35	6.589	19.08
B	21	20.3106	72	1.00	0.35	0.35	7.015	20.31
D	21	24.0524	85	1.00	0.20	0.20	4.708	24.05
B	21	10.8774	72	1.00	0.35	0.35	3.757	10.88
B	14	0.2577	89	0.10	0.15	0.03	0.007	0.03
B	21	4.4832	72	1.00	0.35	0.35	1.548	4.48
B	21	15.6572	72	1.00	0.35	0.35	5.408	15.66
D	14	1.3934	93	0.10	0.10	0.02	0.026	0.14
B	14	1.7823	89	0.10	0.15	0.03	0.050	0.18
D	14	1.2608	93	0.10	0.10	0.02	0.024	0.13
B	14	10.7655	89	0.10	0.15	0.03	0.302	1.08

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2794	2570	10,402	3,907	0.018	0.20

	Area	F	Ap
	acres	in/hr	%
Totals:	238.7	0.18	55.2%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	1.1465	73.00	0.50	0.33	0.18	0.211	0.57
B	11	16.1685	73	0.50	0.33	0.18	2.972	8.08
B	11	6.3878	73	0.50	0.33	0.18	1.174	3.19
B	21	0.4523	72	1.00	0.35	0.35	0.156	0.45
B	21	0.4462	72	1.00	0.35	0.35	0.154	0.45
B	16	53.3736	87	0.20	0.17	0.05	2.568	10.67
B	16	0.0702	87	0.20	0.17	0.05	0.003	0.01
B	16	0.0970	87	0.20	0.17	0.05	0.005	0.02
B	16	0.0876	87	0.20	0.17	0.05	0.004	0.02
B	12	58.0501	92	0.10	0.11	0.02	1.224	5.81
B	21	102.4205	72	1.00	0.35	0.35	35.374	102.42

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr

	Area			F	Ap
	acres			in/hr	%
Totals:	631.6			0.17	49.0%

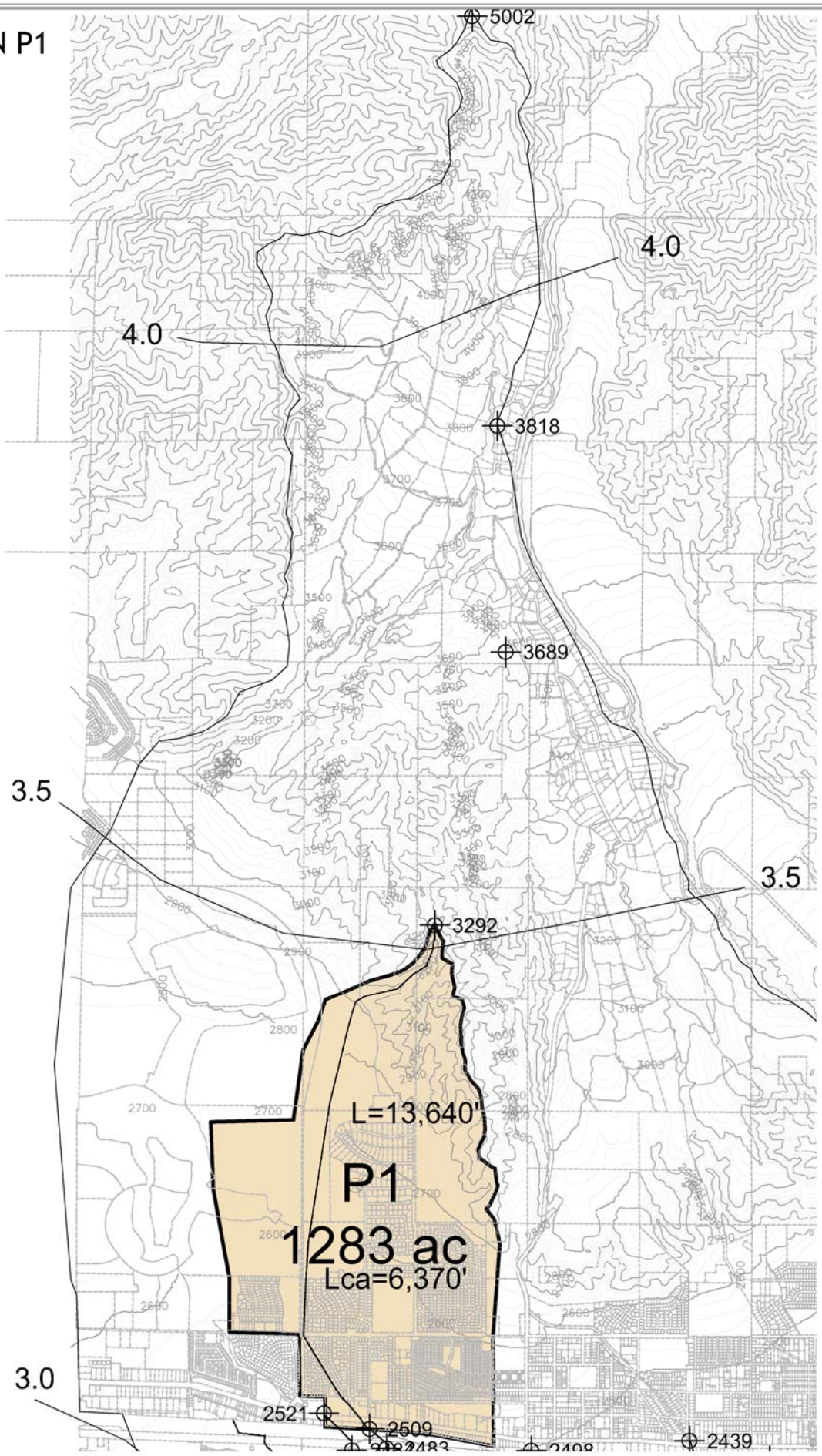
Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.0325	85.00	1.00	0.20	0.20	0.006	0.03
D	21	0.0298	85.00	1.00	0.20	0.20	0.006	0.03
B	14	2.6555	89	0.10	0.15	0.03	0.075	0.27
D	14	3.2498	93	0.10	0.10	0.02	0.061	0.32
D	32	0.0721	74	1.00	0.32	0.32	0.023	0.07
D	32	0.0001	74	1.00	0.32	0.32	0.000	0.00
D	32	0.1403	74	1.00	0.32	0.32	0.045	0.14
B	21	0.0504	72	1.00	0.35	0.35	0.017	0.05
B	21	0.0210	72	1.00	0.35	0.35	0.007	0.02
D	21	0.0074	85	1.00	0.20	0.20	0.001	0.01
B	21	0.0051	72	1.00	0.35	0.35	0.002	0.01
D	21	0.0112	85	1.00	0.20	0.20	0.002	0.01
D	11	0.3462	86	0.50	0.18	0.10	0.035	0.17
B	21	0.0246	72	1.00	0.35	0.35	0.009	0.02
B	21	0.0329	72	1.00	0.35	0.35	0.011	0.03
B	21	0.0131	72	1.00	0.35	0.35	0.005	0.01
B	21	0.0094	72	1.00	0.35	0.35	0.003	0.01
B	11	0.0169	73	0.50	0.33	0.18	0.003	0.01
B	21	0.0143	72	1.00	0.35	0.35	0.005	0.01
B	21	0.0909	72	1.00	0.35	0.35	0.031	0.09
B	11	5.8018	73	0.50	0.33	0.18	1.067	2.90
B	21	0.3656	72	1.00	0.35	0.35	0.126	0.37
B	21	2.5229	72	1.00	0.35	0.35	0.871	2.52
D	21	3.7594	85	1.00	0.20	0.20	0.736	3.76
D	11	0.1639	86	0.50	0.18	0.10	0.017	0.08
B	21	3.6191	72	1.00	0.35	0.35	1.250	3.62
D	21	0.0285	85	1.00	0.20	0.20	0.006	0.03
C	32	1.7169	68	1.00	0.39	0.39	0.669	1.72
C	11	2.0242	82	0.50	0.23	0.13	0.257	1.01
D	11	7.0749	86	0.50	0.18	0.10	0.715	3.54
D	11	5.5206	86	0.50	0.18	0.10	0.558	2.76
B	32	0.1867	57	1.00	0.51	0.51	0.094	0.19
D	32	0.5155	74	1.00	0.32	0.32	0.167	0.52
B	11	15.7911	73	0.50	0.33	0.18	2.903	7.90
D	11	1.7507	86	0.50	0.18	0.10	0.177	0.88
B	11	15.8616	73	0.50	0.33	0.18	2.916	7.93
B	11	21.3776	73	0.50	0.33	0.18	3.930	10.69
B	11	10.5500	73	0.50	0.33	0.18	1.939	5.27
B	11	16.3747	73	0.50	0.33	0.18	3.010	8.19
B	11	17.5817	73	0.50	0.33	0.18	3.232	8.79

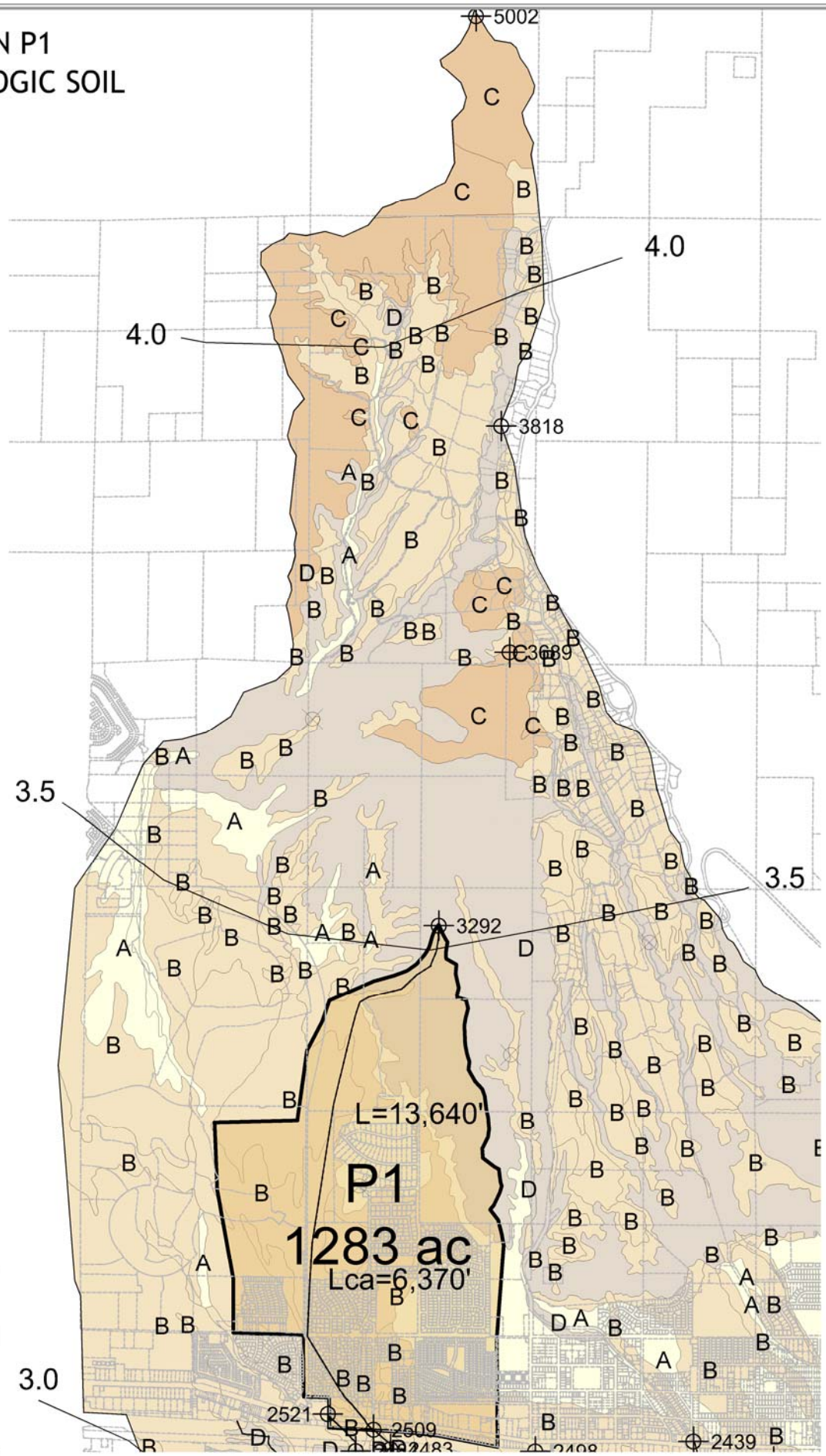
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	11	1.9460	86	0.50	0.18	0.10	0.197	0.97
B	11	1.0341	73	0.50	0.33	0.18	0.190	0.52
B	11	13.2041	73	0.50	0.33	0.18	2.427	6.60
B	11	5.2908	73	0.50	0.33	0.18	0.973	2.65
D	11	4.0035	86	0.50	0.18	0.10	0.405	2.00
B	11	9.2386	73	0.50	0.33	0.18	1.698	4.62
D	11	1.4928	86	0.50	0.18	0.10	0.151	0.75
D	11	3.3710	86	0.50	0.18	0.10	0.341	1.69
B	11	12.5503	73	0.50	0.33	0.18	2.307	6.28
B	11	27.7660	73	0.50	0.33	0.18	5.104	13.88
B	11	383.6479	73	0.50	0.33	0.18	70.525	191.82
B	12	5.4526	92	0.10	0.11	0.02	0.115	0.55
B	14	21.9688	89	0.10	0.15	0.03	0.616	2.20
D	32	1.2312	74	1.00	0.32	0.32	0.398	1.23

SUBBASIN P1

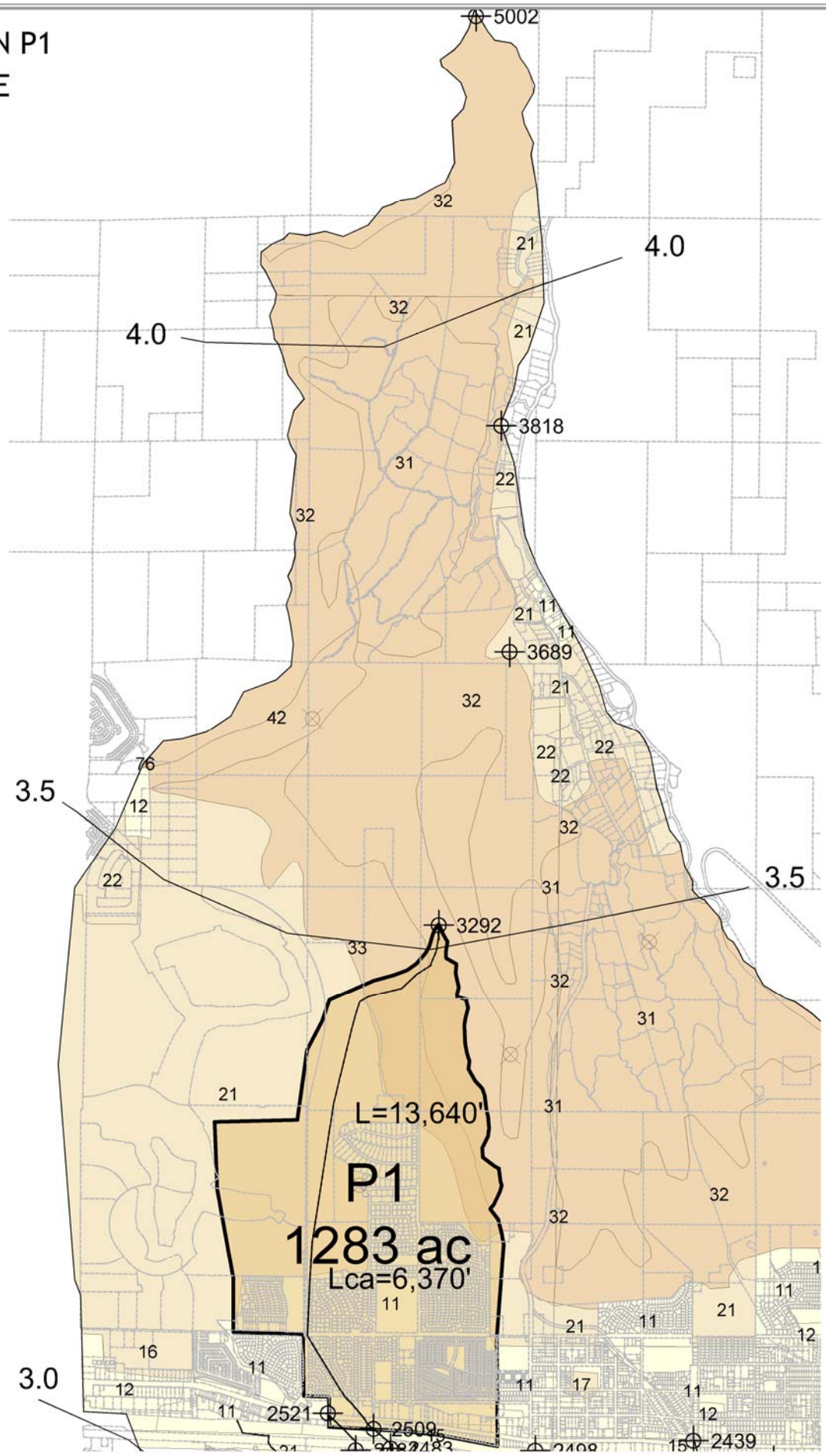
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5002
4.0
4.0
3818
3689
3.5
3.5
3292
L=13,640'
P1
1283 ac
Lca=6,370'
3.0
2521
2509
2439

SUBBASIN P1 HYDROLOGIC SOIL GROUPS



SUBBASIN P1
LAND USE



Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	3292	2509	13,640	6,370	0.018	0.22

	Area	F	Ap
	acres	in/hr	%
Totals:	1282.9	0.28	76.4%

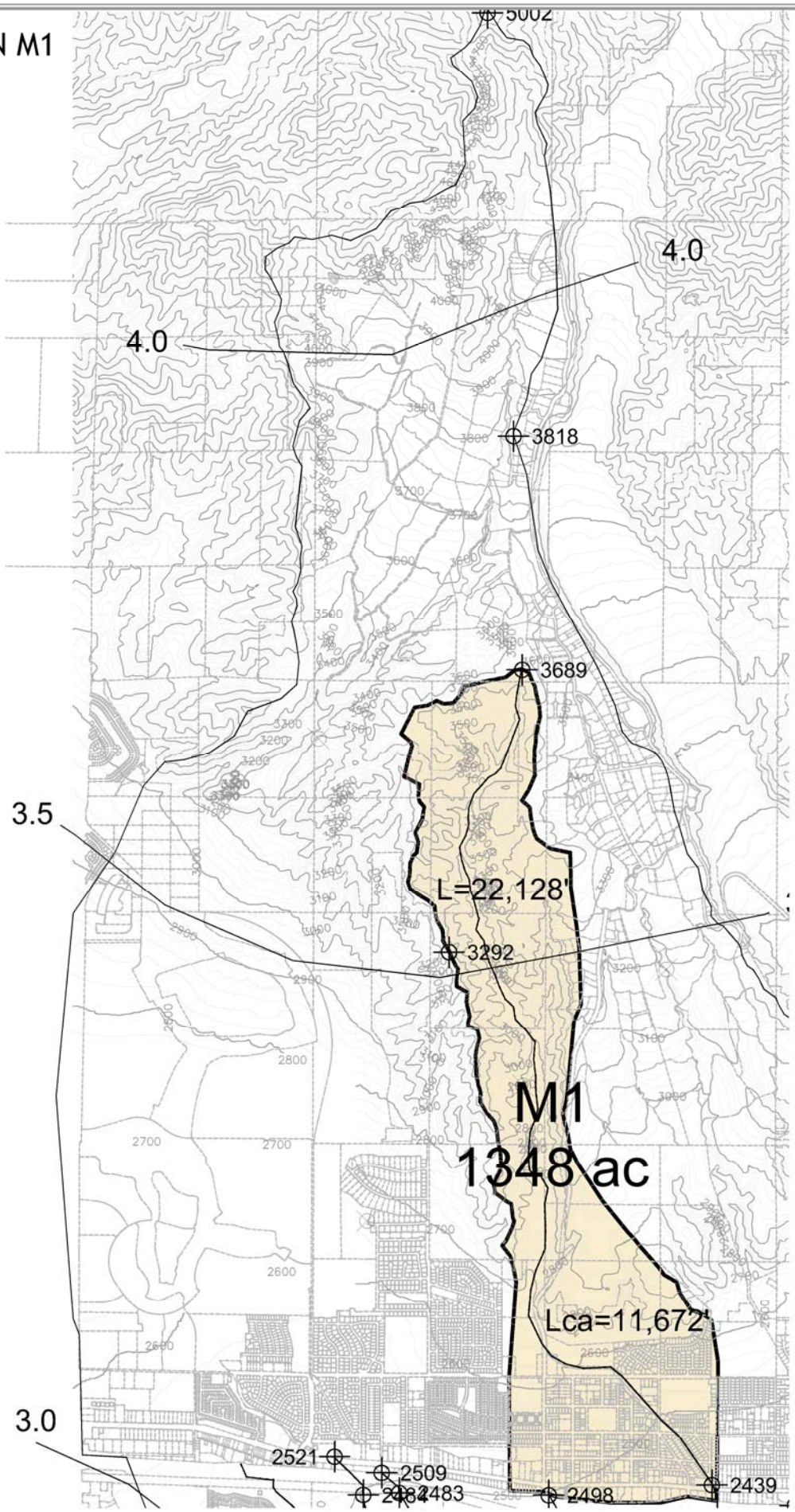
Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.1393	73	0.50	0.33	0.18	0.026	0.07
B	11	1.1393	73	0.50	0.33	0.18	0.209	0.57
B	11	4.2119	73	0.50	0.33	0.18	0.774	2.11
B	11	0.0004	73	0.50	0.33	0.18	0.000	0.00
B	11	0.1202	73	0.50	0.33	0.18	0.022	0.06
B	11	0.0012	73.00	0.50	0.33	0.18	0.000	0.00
B	11	1.1466	73.00	0.50	0.33	0.18	0.211	0.57
B	11	0.3018	73.00	0.50	0.33	0.18	0.055	0.15
B	15	0.9796	88.00	0.10	0.16	0.03	0.030	0.10
B	15	2.0230	88.00	0.10	0.16	0.03	0.061	0.20
B	15	0.1169	88.00	0.10	0.16	0.03	0.004	0.01
B	15	1.7410	88.00	0.10	0.16	0.03	0.053	0.17
B	15	1.5896	88.00	0.10	0.16	0.03	0.048	0.16
B	15	12.4405	88.00	0.10	0.16	0.03	0.378	1.24
B	15	2.6098	88.00	0.10	0.16	0.03	0.079	0.26
B	15	0.5494	88.00	0.10	0.16	0.03	0.017	0.05
A	21	4.8535	57	1.00	0.51	0.51	2.453	4.85
B	11	1.0495	73	0.50	0.33	0.18	0.193	0.52
B	11	1.1527	73.00	0.50	0.33	0.18	0.212	0.58
A	21	0.0071	57.00	1.00	0.51	0.51	0.004	0.01
B	11	0.0023	73.00	0.50	0.33	0.18	0.000	0.00
A	11	62.8983	58.00	0.50	0.50	0.27	17.130	31.45
B	11	3.0714	73.00	0.50	0.33	0.18	0.565	1.54
B	21	12.1373	72.00	1.00	0.35	0.35	4.192	12.14
B	11	42.3828	73.00	0.50	0.33	0.18	7.791	21.19
B	21	0.2104	72.00	1.00	0.35	0.35	0.073	0.21
B	11	4.6718	73.00	0.50	0.33	0.18	0.859	2.34
B	11	3.0449	73.00	0.50	0.33	0.18	0.560	1.52
B	11	1.0227	73.00	0.50	0.33	0.18	0.188	0.51
B	21	1.8390	72	1.00	0.35	0.35	0.635	1.84
A	11	0.0096	58	0.50	0.50	0.27	0.003	0.00
A	11	3.8520	58	0.50	0.50	0.27	1.049	1.93
A	33	2.4369	47	1.00	0.60	0.60	1.473	2.44
A	21	23.8135	57	1.00	0.51	0.51	12.036	23.81
B	33	1.7315	64	1.00	0.43	0.43	0.749	1.73
B	21	29.6042	72	1.00	0.35	0.35	10.225	29.60
B	33	0.0461	64	1.00	0.43	0.43	0.020	0.05
A	33	16.1887	47	1.00	0.60	0.60	9.788	16.19
A	33	3.8028	47	1.00	0.60	0.60	2.299	3.80
A	33	0.1732	47	1.00	0.60	0.60	0.105	0.17

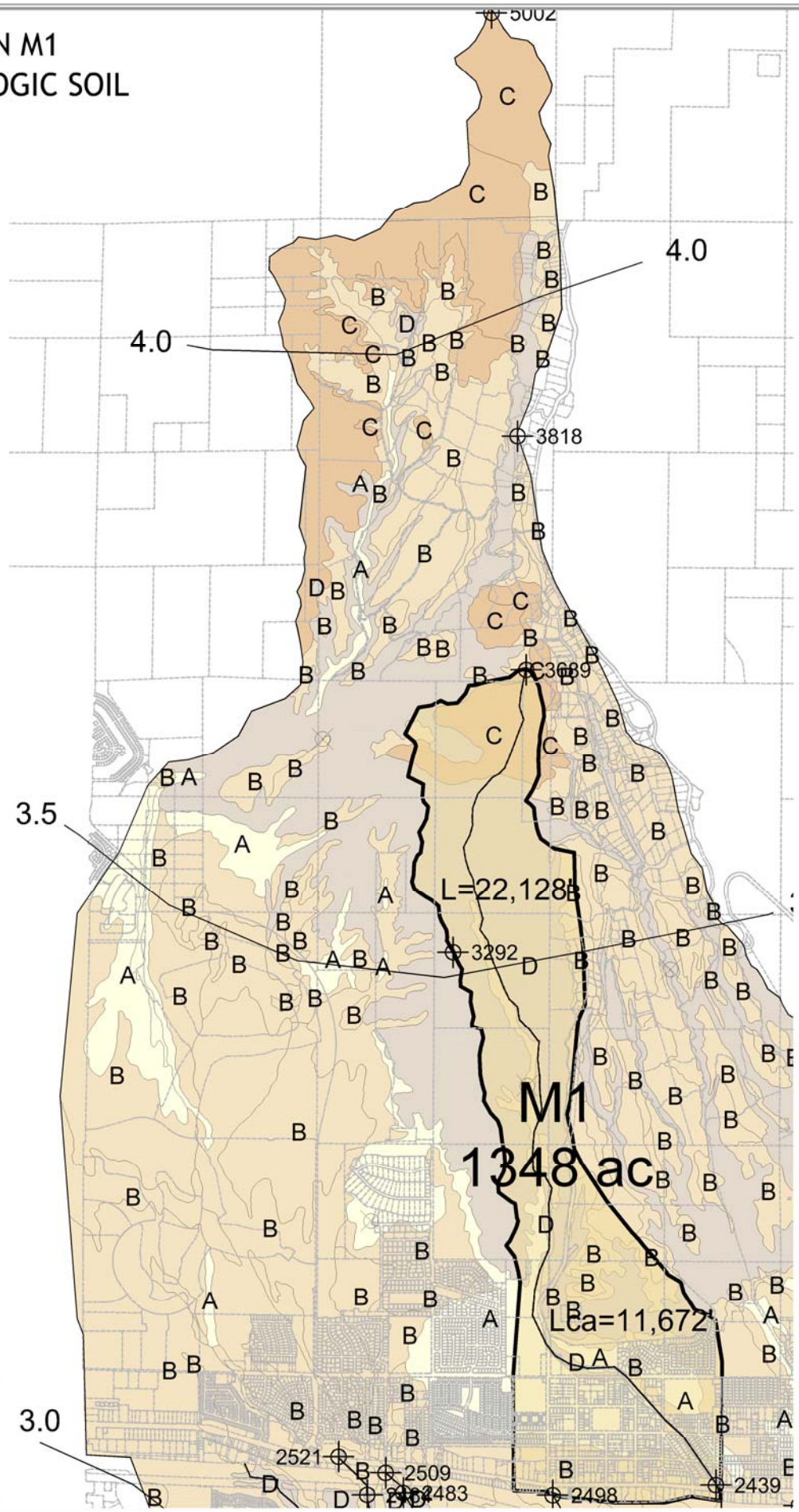
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	33	4.6322	64	1.00	0.43	0.43	2.003	4.63
D	32	0.0004	74	1.00	0.32	0.32	0.000	0.00
D	32	103.8043	74	1.00	0.32	0.32	33.531	103.80
D	33	110.9453	81	1.00	0.24	0.24	26.945	110.95
B	15	0.7203	88	0.10	0.16	0.03	0.022	0.07
B	11	4.0391	73	0.50	0.33	0.18	0.742	2.02
B	11	10.6610	73	0.50	0.33	0.18	1.960	5.33
B	11	4.3838	73	0.50	0.33	0.18	0.806	2.19
B	11	5.3274	73	0.50	0.33	0.18	0.979	2.66
B	15	0.0308	88	0.10	0.16	0.03	0.001	0.00
B	15	1.7989	88	0.10	0.16	0.03	0.055	0.18
B	11	11.7874	73	0.50	0.33	0.18	2.167	5.89
B	11	31.7946	73	0.50	0.33	0.18	5.845	15.90
B	11	3.9180	73	0.50	0.33	0.18	0.720	1.96
B	11	6.9732	73	0.50	0.33	0.18	1.282	3.49
B	11	16.5070	73	0.50	0.33	0.18	3.034	8.25
B	21	1.0480	72	1.00	0.35	0.35	0.362	1.05
B	21	0.0058	72	1.00	0.35	0.35	0.002	0.01
B	11	30.0437	73	0.50	0.33	0.18	5.523	15.02
B	11	15.0611	73	0.50	0.33	0.18	2.769	7.53
B	11	40.6134	73	0.50	0.33	0.18	7.466	20.31
B	21	29.5257	72	1.00	0.35	0.35	10.198	29.53
B	11	62.7519	73	0.50	0.33	0.18	11.535	31.38
B	11	1.9596	73	0.50	0.33	0.18	0.360	0.98
B	21	10.0105	72	1.00	0.35	0.35	3.457	10.01
A	21	13.0294	57	1.00	0.51	0.51	6.585	13.03
A	21	10.3544	57	1.00	0.51	0.51	5.233	10.35
A	21	5.0795	57	1.00	0.51	0.51	2.567	5.08
B	21	145.8369	72	1.00	0.35	0.35	50.369	145.84
B	21	1.0529	72	1.00	0.35	0.35	0.364	1.05
D	21	2.4460	85	1.00	0.20	0.20	0.479	2.45
B	21	45.5039	72	1.00	0.35	0.35	15.716	45.50
B	21	116.9016	72	1.00	0.35	0.35	40.375	116.90
B	11	43.9378	73	0.50	0.33	0.18	8.077	21.97
A	11	141.3114	58	0.50	0.50	0.27	38.486	70.66

SUBBASIN M1

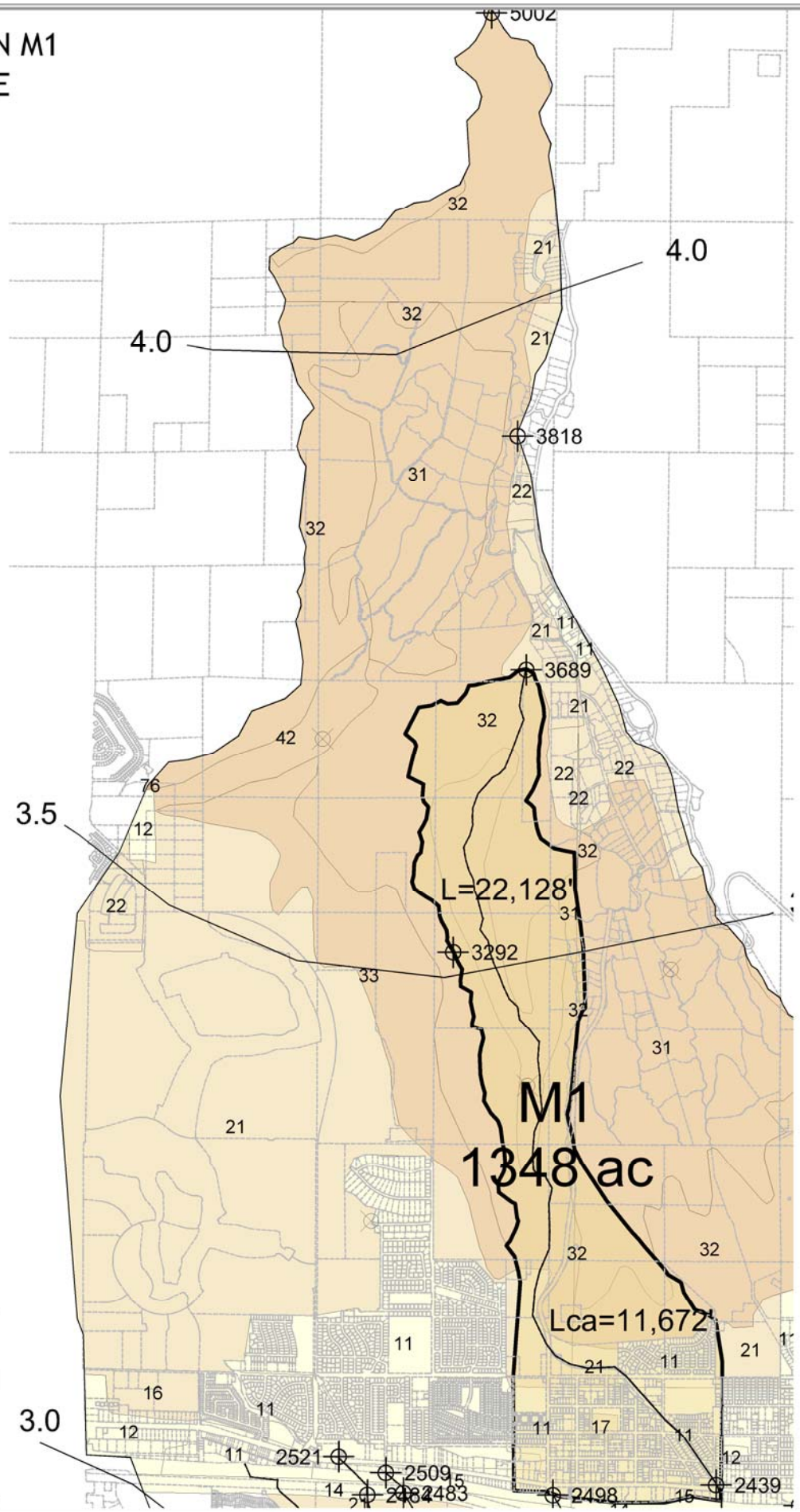
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5002
4.0
4.0
3818
3689
3.5
L=22,128'
3292
M1
1348 ac
Lca=11,672'
3.0
2521
2509
2483
2498
2439

SUBBASIN M1 HYDROLOGIC SOIL GROUP



SUBBASIN M1
LAND USE



Existing Condition

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
3689	2439	22,128	11,672	0.020	0.38

	Area	F	Ap
	acres	in/hr	%
Totals:	1348.1	0.31	85.9%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

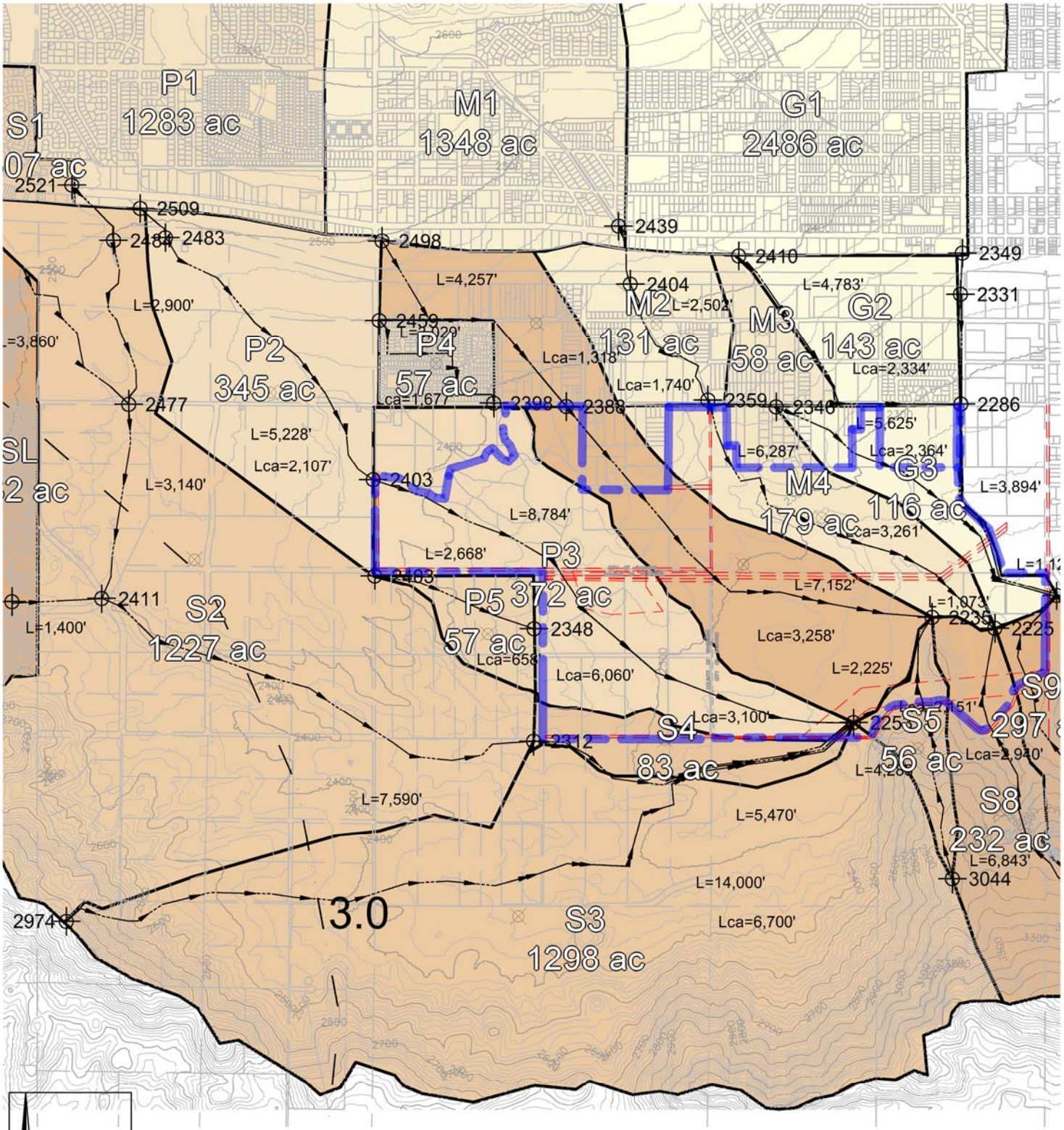
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.3295	72.00	1.00	0.35	0.35	0.459	1.33
B	32	0.1073	57.00	1.00	0.51	0.51	0.054	0.11
A	32	1.0531	45.00	1.00	0.62	0.62	0.657	1.05
A	32	0.0334	45.00	1.00	0.62	0.62	0.021	0.03
B	32	0.0381	57.00	1.00	0.51	0.51	0.019	0.04
B	32	1.9692	57	1.00	0.51	0.51	0.995	1.97
B	32	0.6548	57.00	1.00	0.51	0.51	0.331	0.65
B	32	0.1598	57.00	1.00	0.51	0.51	0.081	0.16
B	32	0.0003	57.00	1.00	0.51	0.51	0.000	0.00
B	32	5.9470	57.00	1.00	0.51	0.51	3.006	5.95
B	42	0.0490	60.00	1.00	0.47	0.47	0.023	0.05
B	32	0.1312	57.00	1.00	0.51	0.51	0.066	0.13
B	42	0.1852	60.00	1.00	0.47	0.47	0.088	0.19
B	32	5.0933	57.00	1.00	0.51	0.51	2.574	5.09
A	42	0.0053	36.00	1.00	0.71	0.71	0.004	0.01
A	32	14.2926	45.00	1.00	0.62	0.62	8.915	14.29
B	32	3.2669	57.00	1.00	0.51	0.51	1.651	3.27
C	42	10.7353	73.00	1.00	0.33	0.33	3.588	10.74
B	32	0.0047	57.00	1.00	0.51	0.51	0.002	0.00
B	32	0.0432	57.00	1.00	0.51	0.51	0.022	0.04
C	32	0.0040	68.00	1.00	0.39	0.39	0.002	0.00
B	32	0.0076	57.00	1.00	0.51	0.51	0.004	0.01
C	21	0.0611	80	1.00	0.25	0.25	0.016	0.06
B	32	4.6453	57.00	1.00	0.51	0.51	2.348	4.65
A	33	1.8117	47.00	1.00	0.60	0.60	1.095	1.81
B	21	0.2569	72.00	1.00	0.35	0.35	0.089	0.26
D	32	0.0534	74.00	1.00	0.32	0.32	0.017	0.05
B	31	9.0483	70.00	1.00	0.37	0.37	3.325	9.05
D	31	1.0635	87.00	1.00	0.17	0.17	0.183	1.06
B	42	0.0774	60.00	1.00	0.47	0.47	0.037	0.08
B	31	3.5364	70.00	1.00	0.37	0.37	1.300	3.54
A	11	18.0436	58.00	0.50	0.50	0.27	4.914	9.02
B	11	0.7790	73.00	0.50	0.33	0.18	0.143	0.39
B	11	18.7832	73.00	0.50	0.33	0.18	3.453	9.39
B	11	12.5585	73.00	0.50	0.33	0.18	2.309	6.28
A	12	1.6393	89.00	0.10	0.15	0.03	0.046	0.16
D	21	5.6844	85.00	1.00	0.20	0.20	1.113	5.68
A	21	11.5575	57.00	1.00	0.51	0.51	5.842	11.56
B	21	0.7558	72.00	1.00	0.35	0.35	0.261	0.76
D	11	0.4987	86.00	0.50	0.18	0.10	0.050	0.25

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.1690	73.00	0.50	0.33	0.18	0.031	0.08
A	32	0.1246	45.00	1.00	0.62	0.62	0.078	0.12
B	32	0.0552	57	1.00	0.51	0.51	0.028	0.06
B	32	0.1257	57	1.00	0.51	0.51	0.064	0.13
B	32	0.1267	57	1.00	0.51	0.51	0.064	0.13
B	32	0.0909	57	1.00	0.51	0.51	0.046	0.09
B	32	0.3784	57	1.00	0.51	0.51	0.191	0.38
B	32	0.9701	57	1.00	0.51	0.51	0.490	0.97
D	32	2.4026	74	1.00	0.32	0.32	0.776	2.40
D	32	0.2485	74	1.00	0.32	0.32	0.080	0.25
B	32	1.2039	57	1.00	0.51	0.51	0.608	1.20
B	32	0.2491	57	1.00	0.51	0.51	0.126	0.25
B	32	0.3720	57	1.00	0.51	0.51	0.188	0.37
B	32	0.3571	57	1.00	0.51	0.51	0.180	0.36
B	32	1.9499	57	1.00	0.51	0.51	0.986	1.95
B	31	8.9245	70	1.00	0.37	0.37	3.280	8.92
B	32	1.7534	57	1.00	0.51	0.51	0.886	1.75
B	32	0.7533	57	1.00	0.51	0.51	0.381	0.75
B	32	1.0040	57	1.00	0.51	0.51	0.507	1.00
B	32	0.6737	57	1.00	0.51	0.51	0.340	0.67
B	31	0.6363	70	1.00	0.37	0.37	0.234	0.64
B	31	5.1315	70	1.00	0.37	0.37	1.886	5.13
B	31	1.0195	70	1.00	0.37	0.37	0.375	1.02
D	31	0.2288	87	1.00	0.17	0.17	0.039	0.23
B	31	2.4626	70	1.00	0.37	0.37	0.905	2.46
D	21	0.0017	85	1.00	0.20	0.20	0.000	0.00
B	31	0.5814	70	1.00	0.37	0.37	0.214	0.58
B	11	5.2638	73	0.50	0.33	0.18	0.968	2.63
B	15	4.4673	88	0.10	0.16	0.03	0.136	0.45
B	15	0.0001	88	0.10	0.16	0.03	0.000	0.00
B	21	0.2477	72	1.00	0.35	0.35	0.086	0.25
B	21	3.7005	72	1.00	0.35	0.35	1.278	3.70
D	33	0.1082	81	1.00	0.24	0.24	0.026	0.11
C	21	0.9546	80	1.00	0.25	0.25	0.243	0.95
B	11	67.6765	73	0.50	0.33	0.18	12.441	33.84
A	11	22.6776	58	0.50	0.50	0.27	6.176	11.34
A	32	0.0622	45	1.00	0.62	0.62	0.039	0.06
A	32	0.0009	45	1.00	0.62	0.62	0.001	0.00
B	21	0.0851	72	1.00	0.35	0.35	0.029	0.09
D	21	5.2283	85	1.00	0.20	0.20	1.023	5.23
B	32	1.4003	57	1.00	0.51	0.51	0.708	1.40
B	11	1.5542	73	0.50	0.33	0.18	0.286	0.78
B	11	5.7654	73	0.50	0.33	0.18	1.060	2.88
A	11	4.4747	58	0.50	0.50	0.27	1.219	2.24
B	32	5.1257	57	1.00	0.51	0.51	2.591	5.13
D	11	0.4812	86	0.50	0.18	0.10	0.049	0.24
D	32	0.4122	74	1.00	0.32	0.32	0.133	0.41
B	11	15.7903	73	0.50	0.33	0.18	2.903	7.90
B	11	7.5147	73	0.50	0.33	0.18	1.381	3.76
B	32	1.0947	57	1.00	0.51	0.51	0.553	1.09
B	32	3.2912	57	1.00	0.51	0.51	1.663	3.29
D	32	60.2336	74	1.00	0.32	0.32	19.457	60.23
B	31	0.8403	70	1.00	0.37	0.37	0.309	0.84
B	32	1.2107	57	1.00	0.51	0.51	0.612	1.21
B	31	0.0563	70	1.00	0.37	0.37	0.021	0.06
B	31	6.0083	70	1.00	0.37	0.37	2.208	6.01

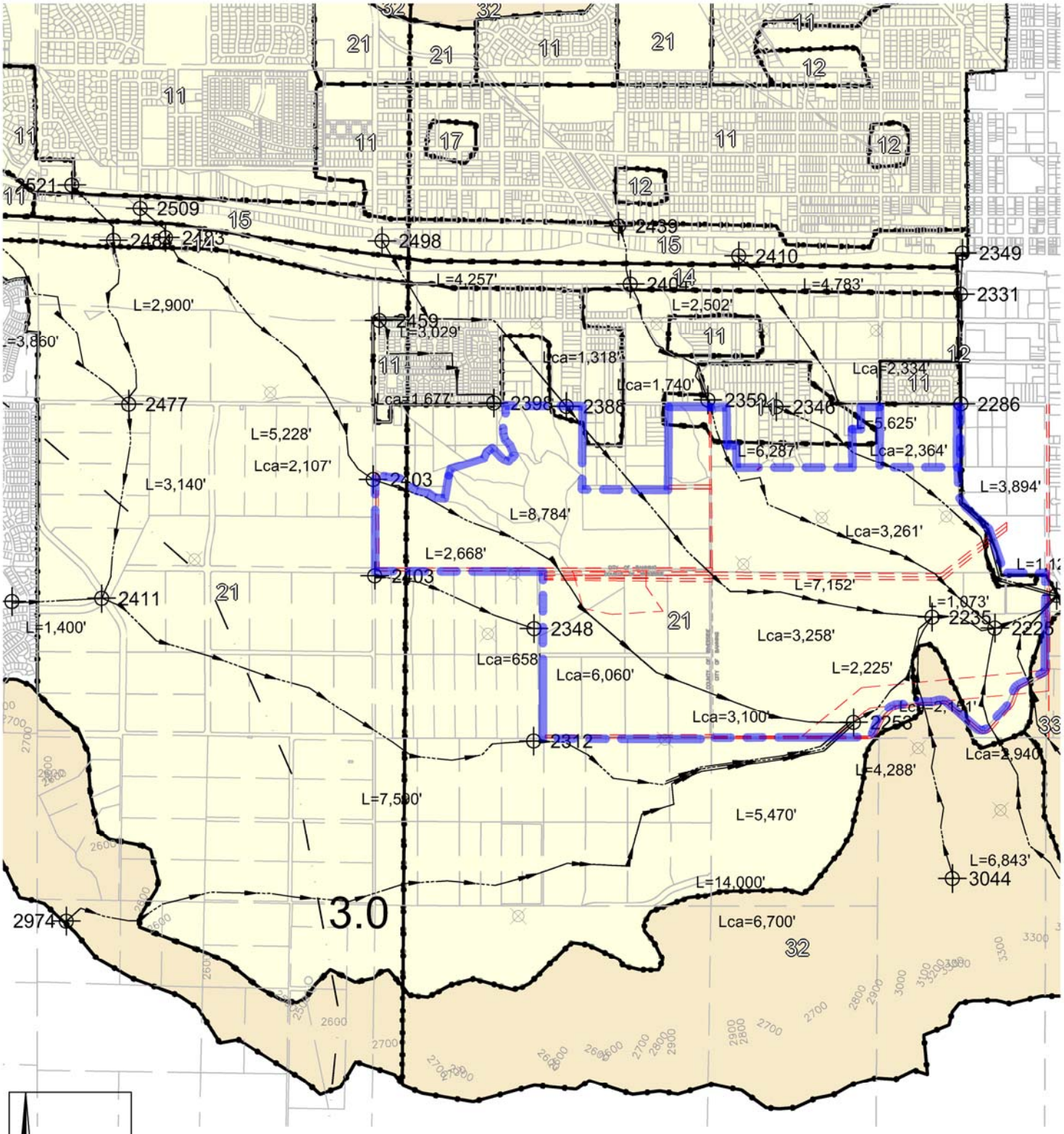
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	32	1.1261	57	1.00	0.51	0.51	0.569	1.13
B	31	0.9170	70	1.00	0.37	0.37	0.337	0.92
B	32	0.6591	57	1.00	0.51	0.51	0.333	0.66
D	21	1.2472	85	1.00	0.20	0.20	0.244	1.25
D	42	0.2389	79	1.00	0.27	0.27	0.064	0.24
B	31	21.0440	70	1.00	0.37	0.37	7.734	21.04
B	31	13.1075	70	1.00	0.37	0.37	4.817	13.11
B	31	2.1376	70	1.00	0.37	0.37	0.786	2.14
A	21	41.7938	57	1.00	0.51	0.51	21.124	41.79
D	21	2.4018	85	1.00	0.20	0.20	0.470	2.40
B	31	3.3483	70	1.00	0.37	0.37	1.231	3.35
D	31	0.6434	87	1.00	0.17	0.17	0.111	0.64
B	32	1.3018	57	1.00	0.51	0.51	0.658	1.30
B	32	1.7915	57	1.00	0.51	0.51	0.905	1.79
B	42	0.1141	60	1.00	0.47	0.47	0.054	0.11
B	32	4.2052	57	1.00	0.51	0.51	2.125	4.21
B	42	0.4219	60	1.00	0.47	0.47	0.200	0.42
D	42	193.3807	79	1.00	0.27	0.27	51.453	193.38
B	32	5.0142	57	1.00	0.51	0.51	2.534	5.01
B	32	1.0569	57	1.00	0.51	0.51	0.534	1.06
C	32	95.5296	68	1.00	0.39	0.39	37.197	95.53
B	32	0.2814	57	1.00	0.51	0.51	0.142	0.28
C	32	2.1725	68	1.00	0.39	0.39	0.846	2.17
D	32	262.1602	74	1.00	0.32	0.32	84.683	262.16
B	32	0.2701	57	1.00	0.51	0.51	0.137	0.27
B	32	2.2101	57	1.00	0.51	0.51	1.117	2.21
D	32	76.8554	74	1.00	0.32	0.32	24.826	76.86
D	32	8.5384	74	1.00	0.32	0.32	2.758	8.54
B	31	5.4989	70	1.00	0.37	0.37	2.021	5.50
B	31	7.0191	70	1.00	0.37	0.37	2.580	7.02
D	31	14.1956	87	1.00	0.17	0.17	2.439	14.20
B	42	28.5051	60	1.00	0.47	0.47	13.526	28.51
B	42	0.0130	60	1.00	0.47	0.47	0.006	0.01
B	32	1.5586	57	1.00	0.51	0.51	0.788	1.56
A	17	10.0075	49	0.30	0.59	0.22	2.167	3.00
A	11	37.4135	58	0.50	0.50	0.27	10.190	18.71
A	11	58.6578	58	0.50	0.50	0.27	15.975	29.33
A	11	0.9301	58	0.50	0.50	0.27	0.253	0.47
A	21	4.4340	57	1.00	0.51	0.51	2.241	4.43
B	15	12.4754	88	0.10	0.16	0.03	0.379	1.25
B	15	29.3827	88	0.10	0.16	0.03	0.892	2.94
B	12	0.3696	92	0.10	0.11	0.02	0.008	0.04

SUBBASIN S3-S7, P3-P5, M2-M4

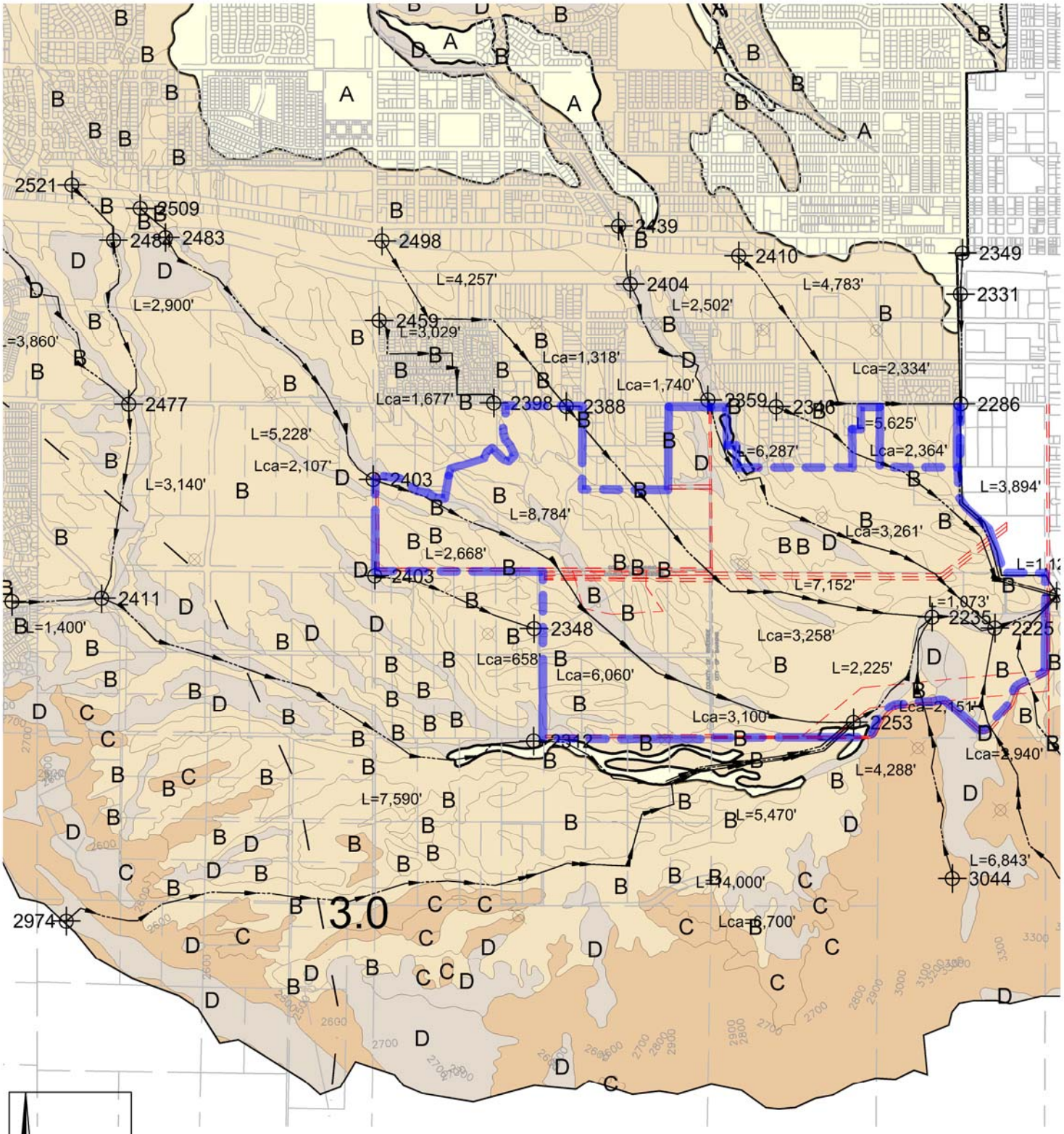
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SUBBASIN S3-S7, P3-P5, M2-M4
LAND USE



SUBBASIN S3-S7, P3-P5, M2-M4
HYDROLOGIC SOIL GROUP



Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2974	2253	14,000	6,700	0.022	0.29

	Area	F	Ap
	acres	in/hr	%
Totals:	1298.1	0.35	100.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.0060	85	1.00	0.20	0.20	0.001	0.01
D	32	0.5804	74	1.00	0.32	0.32	0.187	0.58
B	32	0.1510	57	1.00	0.51	0.51	0.076	0.15
D	32	3.6056	74	1.00	0.32	0.32	1.165	3.61
D	32	0.3751	74	1.00	0.32	0.32	0.121	0.38
B	32	0.0092	57	1.00	0.51	0.51	0.005	0.01
C	32	0.1978	68	1.00	0.39	0.39	0.077	0.20
D	32	1.3274	74	1.00	0.32	0.32	0.429	1.33
D	32	1.2452	74	1.00	0.32	0.32	0.402	1.25
D	21	1.1853	85	1.00	0.20	0.20	0.232	1.19
C	21	1.1473	80	1.00	0.25	0.25	0.292	1.15
D	21	0.0081	85	1.00	0.20	0.20	0.002	0.01
B	32	0.1517	57	1.00	0.51	0.51	0.077	0.15
D	21	0.5897	85	1.00	0.20	0.20	0.115	0.59
B	32	0.0115	57	1.00	0.51	0.51	0.006	0.01
D	21	3.2650	85	1.00	0.20	0.20	0.639	3.26
C	21	0.4807	80	1.00	0.25	0.25	0.122	0.48
C	21	8.2662	80	1.00	0.25	0.25	2.104	8.27
B	32	1.1457	57	1.00	0.51	0.51	0.579	1.15
D	21	1.5551	85	1.00	0.20	0.20	0.304	1.56
B	32	0.0005	57	1.00	0.51	0.51	0.000	0.00
B	32	0.1681	57	1.00	0.51	0.51	0.085	0.17
D	21	0.0399	85	1.00	0.20	0.20	0.008	0.04
D	32	0.1537	74	1.00	0.32	0.32	0.050	0.15
B	21	1.3892	72	1.00	0.35	0.35	0.480	1.39
B	21	0.6565	72	1.00	0.35	0.35	0.227	0.66
D	21	0.0312	85	1.00	0.20	0.20	0.006	0.03
A	21	1.7980	57	1.00	0.51	0.51	0.909	1.80
B	21	5.4432	72	1.00	0.35	0.35	1.880	5.44
A	21	0.0077	57	1.00	0.51	0.51	0.004	0.01
B	21	0.0281	72	1.00	0.35	0.35	0.010	0.03
B	21	0.9024	72	1.00	0.35	0.35	0.312	0.90
B	21	0.3484	72	1.00	0.35	0.35	0.120	0.35
D	21	0.1410	85	1.00	0.20	0.20	0.028	0.14
B	21	0.3292	72	1.00	0.35	0.35	0.114	0.33
D	21	3.5718	85	1.00	0.20	0.20	0.699	3.57
C	21	1.4901	80	1.00	0.25	0.25	0.379	1.49
C	21	1.7439	80	1.00	0.25	0.25	0.444	1.74
D	21	4.9368	85	1.00	0.20	0.20	0.966	4.94
D	32	11.5236	74	1.00	0.32	0.32	3.722	11.52

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.2021	85	1.00	0.20	0.20	0.040	0.20
B	21	2.0681	72	1.00	0.35	0.35	0.714	2.07
D	21	0.6145	85	1.00	0.20	0.20	0.120	0.61
D	21	4.0132	85	1.00	0.20	0.20	0.786	4.01
B	21	6.1849	72	1.00	0.35	0.35	2.136	6.18
C	21	5.4602	80	1.00	0.25	0.25	1.390	5.46
C	21	4.2102	80	1.00	0.25	0.25	1.072	4.21
C	21	4.2011	80	1.00	0.25	0.25	1.069	4.20
C	21	1.0231	80	1.00	0.25	0.25	0.260	1.02
C	21	5.9534	80	1.00	0.25	0.25	1.515	5.95
B	32	7.3087	57	1.00	0.51	0.51	3.694	7.31
C	32	16.3484	68	1.00	0.39	0.39	6.366	16.35
C	32	10.3682	68	1.00	0.39	0.39	4.037	10.37
C	21	0.5276	80	1.00	0.25	0.25	0.134	0.53
C	21	1.4531	80	1.00	0.25	0.25	0.370	1.45
C	32	9.9297	68	1.00	0.39	0.39	3.866	9.93
B	32	1.0006	57	1.00	0.51	0.51	0.506	1.00
B	21	2.0829	72	1.00	0.35	0.35	0.719	2.08
C	32	0.3663	68	1.00	0.39	0.39	0.143	0.37
B	21	3.3877	72	1.00	0.35	0.35	1.170	3.39
D	21	3.4536	85	1.00	0.20	0.20	0.676	3.45
B	21	16.8938	72	1.00	0.35	0.35	5.835	16.89
B	21	3.2184	72	1.00	0.35	0.35	1.112	3.22
B	21	1.8750	72	1.00	0.35	0.35	0.648	1.88
B	21	0.9654	72	1.00	0.35	0.35	0.333	0.97
B	21	0.8490	72	1.00	0.35	0.35	0.293	0.85
B	21	6.8512	72	1.00	0.35	0.35	2.366	6.85
B	21	0.3574	72	1.00	0.35	0.35	0.123	0.36
B	21	0.0362	72	1.00	0.35	0.35	0.013	0.04
D	32	0.4497	74	1.00	0.32	0.32	0.145	0.45
D	32	16.2721	74	1.00	0.32	0.32	5.256	16.27
B	21	4.4558	72	1.00	0.35	0.35	1.539	4.46
B	21	0.3902	72	1.00	0.35	0.35	0.135	0.39
B	21	0.5986	72	1.00	0.35	0.35	0.207	0.60
B	21	1.5127	72	1.00	0.35	0.35	0.522	1.51
B	21	18.2576	72	1.00	0.35	0.35	6.306	18.26
B	21	6.9979	72	1.00	0.35	0.35	2.417	7.00
B	21	13.6060	72	1.00	0.35	0.35	4.699	13.61
B	21	17.2947	72	1.00	0.35	0.35	5.973	17.29
B	21	4.2284	72	1.00	0.35	0.35	1.460	4.23
B	21	0.0959	72	1.00	0.35	0.35	0.033	0.10
B	21	0.3568	72	1.00	0.35	0.35	0.123	0.36
B	21	5.4057	72	1.00	0.35	0.35	1.867	5.41
B	21	7.0725	72	1.00	0.35	0.35	2.443	7.07
B	21	4.7929	72	1.00	0.35	0.35	1.655	4.79
B	32	0.1985	57	1.00	0.51	0.51	0.100	0.20
D	21	6.3436	85	1.00	0.20	0.20	1.242	6.34
B	32	3.4596	57	1.00	0.51	0.51	1.749	3.46
D	21	9.8911	85	1.00	0.20	0.20	1.936	9.89
B	32	3.1335	57	1.00	0.51	0.51	1.584	3.13
B	32	0.6545	57	1.00	0.51	0.51	0.331	0.65
B	32	1.2391	57	1.00	0.51	0.51	0.626	1.24
C	21	1.8548	80	1.00	0.25	0.25	0.472	1.85
C	21	6.2101	80	1.00	0.25	0.25	1.580	6.21
C	21	4.5317	80	1.00	0.25	0.25	1.153	4.53
C	21	11.5422	80	1.00	0.25	0.25	2.937	11.54

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	21	5.7996	57	1.00	0.51	0.51	2.931	5.80
C	32	47.1601	68	1.00	0.39	0.39	18.363	47.16
D	32	60.2146	74	1.00	0.32	0.32	19.451	60.21
C	32	5.0891	68	1.00	0.39	0.39	1.982	5.09
C	32	1.1693	68	1.00	0.39	0.39	0.455	1.17
D	32	6.3848	74	1.00	0.32	0.32	2.062	6.38
D	32	7.8117	74	1.00	0.32	0.32	2.523	7.81
C	32	8.7298	68	1.00	0.39	0.39	3.399	8.73
D	32	0.7945	74	1.00	0.32	0.32	0.257	0.79
D	32	0.6602	74	1.00	0.32	0.32	0.213	0.66
C	32	422.9355	68	1.00	0.39	0.39	164.683	422.94
B	32	1.1709	57	1.00	0.51	0.51	0.592	1.17
C	21	1.0405	80	1.00	0.25	0.25	0.265	1.04
D	21	3.2617	85	1.00	0.20	0.20	0.638	3.26
B	21	2.0145	72	1.00	0.35	0.35	0.696	2.01
D	21	0.5701	85	1.00	0.20	0.20	0.112	0.57
D	21	0.8711	85	1.00	0.20	0.20	0.171	0.87
C	21	13.1132	80	1.00	0.25	0.25	3.337	13.11
D	21	2.6628	85	1.00	0.20	0.20	0.521	2.66
C	21	10.6260	80	1.00	0.25	0.25	2.704	10.63
B	21	56.5756	72	1.00	0.35	0.35	19.540	56.58
C	21	4.0143	80	1.00	0.25	0.25	1.022	4.01
B	21	146.6729	72	1.00	0.35	0.35	50.658	146.67
C	21	5.8271	80	1.00	0.25	0.25	1.483	5.83
B	21	66.8004	72	1.00	0.35	0.35	23.072	66.80
B	21	12.1709	72	1.00	0.35	0.35	4.204	12.17
A	21	2.2081	57	1.00	0.51	0.51	1.116	2.21
B	21	0.0089	72	1.00	0.35	0.35	0.003	0.01
D	32	48.1326	74	1.00	0.32	0.32	15.548	48.13
D	32	21.5636	74	1.00	0.32	0.32	6.965	21.56

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2312	2253	5,470	3,100	0.022	0.20

	Area				F	Ap
	acres				in/hr	%
Totals:	83.0				0.36	100.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.1868	72	1.00	0.35	0.35	0.065	0.19
B	21	0.0048	72	1.00	0.35	0.35	0.002	0.00
B	21	0.0230	72	1.00	0.35	0.35	0.008	0.02
A	21	0.0616	57	1.00	0.51	0.51	0.031	0.06
B	21	0.0108	72	1.00	0.35	0.35	0.004	0.01
B	21	0.0398	72	1.00	0.35	0.35	0.014	0.04
A	21	0.0262	57	1.00	0.51	0.51	0.013	0.03
D	21	0.1991	85	1.00	0.20	0.20	0.039	0.20
A	21	0.0235	57	1.00	0.51	0.51	0.012	0.02
B	21	0.2222	72	1.00	0.35	0.35	0.077	0.22
B	21	26.6105	72	1.00	0.35	0.35	9.191	26.61
A	21	0.5888	57	1.00	0.51	0.51	0.298	0.59
D	21	0.0699	85	1.00	0.20	0.20	0.014	0.07
B	21	10.3952	72	1.00	0.35	0.35	3.590	10.40
B	21	5.8839	72	1.00	0.35	0.35	2.032	5.88
A	21	15.4170	57	1.00	0.51	0.51	7.792	15.42
B	21	2.6241	72	1.00	0.35	0.35	0.906	2.62
B	21	1.5655	72	1.00	0.35	0.35	0.541	1.57
D	21	3.8962	85	1.00	0.20	0.20	0.763	3.90
D	21	4.1252	85	1.00	0.20	0.20	0.807	4.13
B	21	11.0620	72	1.00	0.35	0.35	3.821	11.06

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	3044	2235	4,288	2,151	0.022	0.09

	Area					F	Ap
	acres					in/hr	%
Totals:	56.0					0.34	100.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.0006	72	1.00	0.35	0.35	0.000	0.00
D	21	0.0057	85	1.00	0.20	0.20	0.001	0.01
A	21	0.1721	57	1.00	0.51	0.51	0.087	0.17
C	21	5.3608	80	1.00	0.25	0.25	1.364	5.36
C	32	27.4007	68	1.00	0.39	0.39	10.669	27.40
B	21	1.0543	72	1.00	0.35	0.35	0.364	1.05
D	21	4.1729	85	1.00	0.20	0.20	0.817	4.17
B	32	2.3390	57	1.00	0.51	0.51	1.182	2.34
D	32	8.5475	74	1.00	0.32	0.32	2.761	8.55
D	32	3.5003	74	1.00	0.32	0.32	1.131	3.50
D	21	1.0912	85	1.00	0.20	0.20	0.214	1.09
B	21	0.4585	72	1.00	0.35	0.35	0.158	0.46
D	32	1.3341	74	1.00	0.32	0.32	0.431	1.33
D	21	0.5449	85	1.00	0.20	0.20	0.107	0.54

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2498	2388	4,257	1,318	0.018	0.09

	Area				F	Ap
	acres				in/hr	%
Totals:	124.6				0.17	48.6%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.9220	73	0.50	0.33	0.18	0.169	0.46
B	21	2.1054	72	1.00	0.35	0.35	0.727	2.11
B	11	1.3351	73	0.50	0.33	0.18	0.245	0.67
B	21	1.1135	72	1.00	0.35	0.35	0.385	1.11
B	11	0.1737	73	0.50	0.33	0.18	0.032	0.09
B	11	1.4302	73	0.50	0.33	0.18	0.263	0.72
B	11	3.0579	73	0.50	0.33	0.18	0.562	1.53
B	14	1.5798	89	0.10	0.15	0.03	0.044	0.16
B	14	1.4027	89	0.10	0.15	0.03	0.039	0.14
B	15	0.8458	88	0.10	0.16	0.03	0.026	0.08
B	14	4.2322	89	0.10	0.15	0.03	0.119	0.42
B	15	2.2679	88	0.10	0.16	0.03	0.069	0.23
B	15	6.2562	88	0.10	0.16	0.03	0.190	0.63
B	11	0.1709	73	0.50	0.33	0.18	0.031	0.09
B	21	1.3813	72	1.00	0.35	0.35	0.477	1.38
B	11	0.3289	73	0.50	0.33	0.18	0.060	0.16
B	21	0.2945	72	1.00	0.35	0.35	0.102	0.29
B	21	0.2934	72	1.00	0.35	0.35	0.101	0.29
B	21	1.0123	72	1.00	0.35	0.35	0.350	1.01
B	11	0.2188	73	0.50	0.33	0.18	0.040	0.11
B	21	11.3084	72	1.00	0.35	0.35	3.906	11.31
B	21	1.1881	72	1.00	0.35	0.35	0.410	1.19
B	21	1.7008	72	1.00	0.35	0.35	0.587	1.70
B	11	2.1308	73	0.50	0.33	0.18	0.392	1.07
B	11	16.7019	73	0.50	0.33	0.18	3.070	8.35
B	21	3.3349	72	1.00	0.35	0.35	1.152	3.33
B	11	1.4295	73	0.50	0.33	0.18	0.263	0.71
B	11	0.6906	73	0.50	0.33	0.18	0.127	0.35
B	11	32.7208	73	0.50	0.33	0.18	6.015	16.36
B	11	2.4366	73	0.50	0.33	0.18	0.448	1.22
B	14	15.2379	89	0.10	0.15	0.03	0.428	1.52
B	14	2.2830	89	0.10	0.15	0.03	0.064	0.23
B	21	1.3015	72	1.00	0.35	0.35	0.450	1.30
B	11	0.1319	73	0.50	0.33	0.18	0.024	0.07
B	15	1.5398	88	0.10	0.16	0.03	0.047	0.15

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2388	2235	7,152	3,258	0.020	0.18

	Area				F	Ap
	acres				in/hr	%
Totals:	268.4				0.33	98.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.4285	72	1.00	0.35	0.35	0.493	1.43
B	21	0.0548	72	1.00	0.35	0.35	0.019	0.05
B	21	0.0020	72	1.00	0.35	0.35	0.001	0.00
D	21	1.1231	85	1.00	0.20	0.20	0.220	1.12
D	21	0.0026	85	1.00	0.20	0.20	0.001	0.00
B	32	0.0002	57	1.00	0.51	0.51	0.000	0.00
B	21	0.0182	72	1.00	0.35	0.35	0.006	0.02
B	21	4.0516	72	1.00	0.35	0.35	1.399	4.05
D	21	0.4926	85	1.00	0.20	0.20	0.096	0.49
B	11	1.8813	73	0.50	0.33	0.18	0.346	0.94
B	21	1.6779	72	1.00	0.35	0.35	0.579	1.68
B	11	1.9058	73	0.50	0.33	0.18	0.350	0.95
B	21	64.9986	72	1.00	0.35	0.35	22.449	65.00
B	21	5.5524	72	1.00	0.35	0.35	1.918	5.55
D	21	5.2090	85	1.00	0.20	0.20	1.020	5.21
B	21	14.6501	72	1.00	0.35	0.35	5.060	14.65
B	21	25.3777	72	1.00	0.35	0.35	8.765	25.38
B	21	25.2057	72	1.00	0.35	0.35	8.706	25.21
B	21	13.8431	72	1.00	0.35	0.35	4.781	13.84
B	11	0.7819	73	0.50	0.33	0.18	0.144	0.39
B	21	10.5375	72	1.00	0.35	0.35	3.639	10.54
B	21	4.1641	72	1.00	0.35	0.35	1.438	4.16
B	21	62.8855	72	1.00	0.35	0.35	21.719	62.89
B	21	14.3789	72	1.00	0.35	0.35	4.966	14.38
B	11	1.3289	73	0.50	0.33	0.18	0.244	0.66
B	11	4.7083	73	0.50	0.33	0.18	0.866	2.35
B	21	1.0275	72	1.00	0.35	0.35	0.355	1.03
D	32	0.0132	74	1.00	0.32	0.32	0.004	0.01
D	21	1.1484	85	1.00	0.20	0.20	0.225	1.15

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2403	2253	8,784	6,060	0.020	0.26

	Area				F	Ap
	acres				in/hr	%
Totals:	372.3				0.33	99.8%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.5086	72	1.00	0.35	0.35	0.521	1.51
B	21	0.0598	72	1.00	0.35	0.35	0.021	0.06
B	21	0.1154	72	1.00	0.35	0.35	0.040	0.12
B	21	0.0247	72	1.00	0.35	0.35	0.009	0.02
B	21	0.3129	72	1.00	0.35	0.35	0.108	0.31
B	21	2.1679	72	1.00	0.35	0.35	0.749	2.17
B	21	0.8923	72	1.00	0.35	0.35	0.308	0.89
B	21	4.5096	72	1.00	0.35	0.35	1.558	4.51
B	21	1.9928	72	1.00	0.35	0.35	0.688	1.99
B	21	3.6469	72	1.00	0.35	0.35	1.260	3.65
D	21	0.0284	85	1.00	0.20	0.20	0.006	0.03
B	21	0.0004	72	1.00	0.35	0.35	0.000	0.00
B	21	0.4928	72	1.00	0.35	0.35	0.170	0.49
B	21	2.3681	72	1.00	0.35	0.35	0.818	2.37
B	21	0.0654	72	1.00	0.35	0.35	0.023	0.07
B	11	0.3022	73	0.50	0.33	0.18	0.056	0.15
B	21	0.1298	72	1.00	0.35	0.35	0.045	0.13
B	21	3.3224	72	1.00	0.35	0.35	1.147	3.32
B	11	0.1037	73	0.50	0.33	0.18	0.019	0.05
B	21	7.4307	72	1.00	0.35	0.35	2.566	7.43
B	11	0.8713	73	0.50	0.33	0.18	0.160	0.44
B	21	0.0790	72	1.00	0.35	0.35	0.027	0.08
B	11	0.0036	73	0.50	0.33	0.18	0.001	0.00
B	21	1.4296	72	1.00	0.35	0.35	0.494	1.43
A	21	1.1190	57	1.00	0.51	0.51	0.566	1.12
B	21	4.4667	72	1.00	0.35	0.35	1.543	4.47
B	21	10.1958	72	1.00	0.35	0.35	3.521	10.20
B	21	9.3187	72	1.00	0.35	0.35	3.219	9.32
B	21	7.2112	72	1.00	0.35	0.35	2.491	7.21
B	21	62.1704	72	1.00	0.35	0.35	21.472	62.17
B	21	3.7028	72	1.00	0.35	0.35	1.279	3.70
D	21	20.8751	85	1.00	0.20	0.20	4.086	20.88
B	21	21.0089	72	1.00	0.35	0.35	7.256	21.01
B	21	4.7287	72	1.00	0.35	0.35	1.633	4.73
B	21	0.5182	72	1.00	0.35	0.35	0.179	0.52
D	21	0.7540	85	1.00	0.20	0.20	0.148	0.75
B	21	7.8129	72	1.00	0.35	0.35	2.698	7.81
D	21	1.0674	85	1.00	0.20	0.20	0.209	1.07
B	21	13.7157	72	1.00	0.35	0.35	4.737	13.72
B	21	6.9597	72	1.00	0.35	0.35	2.404	6.96

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	4.7910	72	1.00	0.35	0.35	1.655	4.79
B	21	34.2529	72	1.00	0.35	0.35	11.830	34.25
D	21	16.5610	85	1.00	0.20	0.20	3.242	16.56
B	21	9.4297	72	1.00	0.35	0.35	3.257	9.43
D	21	2.7590	85	1.00	0.20	0.20	0.540	2.76
B	21	1.7323	72	1.00	0.35	0.35	0.598	1.73
B	21	0.9025	72	1.00	0.35	0.35	0.312	0.90
B	21	6.2848	72	1.00	0.35	0.35	2.171	6.28
B	21	16.3032	72	1.00	0.35	0.35	5.631	16.30
B	21	10.3884	72	1.00	0.35	0.35	3.588	10.39
B	21	7.2068	72	1.00	0.35	0.35	2.489	7.21
B	21	43.6009	72	1.00	0.35	0.35	15.059	43.60
B	21	10.5711	72	1.00	0.35	0.35	3.651	10.57

Existing Condition

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2459	2398	3,029	1,677	0.018	0.09

	Area	F	Ap
	acres	in/hr	%
Totals:	57.0	0.19	51.2%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	1.5552	73	0.50	0.33	0.18	0.286	0.78
B	11	3.2783	73	0.50	0.33	0.18	0.603	1.64
B	11	18.8195	73	0.50	0.33	0.18	3.460	9.41
B	11	0.2191	73	0.50	0.33	0.18	0.040	0.11
B	11	9.4112	73	0.50	0.33	0.18	1.730	4.71
B	21	0.2497	72	1.00	0.35	0.35	0.086	0.25
B	21	0.1220	72	1.00	0.35	0.35	0.042	0.12
B	21	0.1375	72	1.00	0.35	0.35	0.048	0.14
B	21	0.2953	72	1.00	0.35	0.35	0.102	0.30
B	21	0.0544	72	1.00	0.35	0.35	0.019	0.05
B	21	0.2561	72	1.00	0.35	0.35	0.088	0.26
B	11	0.0166	73	0.50	0.33	0.18	0.003	0.01
B	21	0.0824	72	1.00	0.35	0.35	0.028	0.08
B	21	0.1538	72	1.00	0.35	0.35	0.053	0.15
B	11	3.2467	73	0.50	0.33	0.18	0.597	1.62
B	11	0.8550	73	0.50	0.33	0.18	0.157	0.43
B	11	0.7042	73	0.50	0.33	0.18	0.129	0.35
B	11	10.7640	73	0.50	0.33	0.18	1.979	5.38
B	11	1.0008	73	0.50	0.33	0.18	0.184	0.50
B	11	0.7071	73	0.50	0.33	0.18	0.130	0.35
B	11	4.6536	73	0.50	0.33	0.18	0.855	2.33
B	11	0.3975	73	0.50	0.33	0.18	0.073	0.20

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2403	2348	2,668	658	0.020	0.07

	Area					F	Ap
	acres					in/hr	%
Totals:	57.0					0.35	100.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.0708	72	1.00	0.35	0.35	0.024	0.07
B	21	3.1146	72	1.00	0.35	0.35	1.076	3.11
B	21	0.4697	72	1.00	0.35	0.35	0.162	0.47
B	21	0.0403	72	1.00	0.35	0.35	0.014	0.04
B	21	9.1295	72	1.00	0.35	0.35	3.153	9.13
B	21	1.4153	72	1.00	0.35	0.35	0.489	1.42
B	21	2.4884	72	1.00	0.35	0.35	0.859	2.49
B	21	4.6024	72	1.00	0.35	0.35	1.590	4.60
B	21	1.1064	72	1.00	0.35	0.35	0.382	1.11
B	21	1.0347	72	1.00	0.35	0.35	0.357	1.03
B	21	32.6385	72	1.00	0.35	0.35	11.273	32.64
B	21	0.8424	72	1.00	0.35	0.35	0.291	0.84

Existing Condition

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2404	2359	2,502	1,740	0.018	0.09

	Area	F	Ap
	acres	in/hr	%
Totals:	130.7	0.19	59.3%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	11	0.5094	86.00	0.50	0.18	0.10	0.052	0.25
B	21	0.1753	72.00	1.00	0.35	0.35	0.061	0.18
B	11	2.3062	73	0.50	0.33	0.18	0.424	1.15
B	11	2.7756	73	0.50	0.33	0.18	0.510	1.39
D	21	2.0935	85	1.00	0.20	0.20	0.410	2.09
B	21	3.3625	72	1.00	0.35	0.35	1.161	3.36
B	14	0.2829	89	0.10	0.15	0.03	0.008	0.03
D	21	0.3586	85	1.00	0.20	0.20	0.070	0.36
B	11	0.0429	73	0.50	0.33	0.18	0.008	0.02
B	11	1.5090	73	0.50	0.33	0.18	0.277	0.75
B	21	0.2949	72	1.00	0.35	0.35	0.102	0.29
B	11	1.2218	73	0.50	0.33	0.18	0.225	0.61
B	21	0.7334	72	1.00	0.35	0.35	0.253	0.73
B	15	4.7161	88	0.10	0.16	0.03	0.143	0.47
B	14	1.2370	89	0.10	0.15	0.03	0.035	0.12
B	11	6.9682	73	0.50	0.33	0.18	1.281	3.48
B	11	5.1557	73	0.50	0.33	0.18	0.948	2.58
B	11	2.3093	73	0.50	0.33	0.18	0.425	1.15
B	11	0.0384	73	0.50	0.33	0.18	0.007	0.02
D	11	3.0364	86	0.50	0.18	0.10	0.307	1.52
B	21	3.9018	72	1.00	0.35	0.35	1.348	3.90
B	11	5.4431	73	0.50	0.33	0.18	1.001	2.72
B	21	1.6073	72	1.00	0.35	0.35	0.555	1.61
B	21	13.9318	72	1.00	0.35	0.35	4.812	13.93
B	14	0.0127	89	0.10	0.15	0.03	0.000	0.00
D	14	1.2831	93	0.10	0.10	0.02	0.024	0.13
D	11	3.1211	86	0.50	0.18	0.10	0.316	1.56
B	11	0.2936	73	0.50	0.33	0.18	0.054	0.15
D	21	7.9007	85	1.00	0.20	0.20	1.547	7.90
B	21	21.8440	72	1.00	0.35	0.35	7.544	21.84
D	14	2.7422	93	0.10	0.10	0.02	0.051	0.27
B	14	0.0009	89	0.10	0.15	0.03	0.000	0.00
B	14	19.9999	89	0.10	0.15	0.03	0.561	2.00
B	15	9.4692	88	0.10	0.16	0.03	0.287	0.95

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2404	2359	2,502	1,740	0.018	0.09

	Area				F	Ap
	acres				in/hr	%
Totals:	57.9				0.22	63.5%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	11	0.0028	86.00	0.50	0.18	0.10	0.000	0.00
B	11	1.0993	73.00	0.50	0.33	0.18	0.202	0.55
B	21	3.8998	72.00	1.00	0.35	0.35	1.347	3.90
B	11	1.7405	73	0.50	0.33	0.18	0.320	0.87
B	11	5.0838	73	0.50	0.33	0.18	0.935	2.54
B	15	1.6320	88	0.10	0.16	0.03	0.050	0.16
B	14	5.6550	89	0.10	0.15	0.03	0.159	0.57
B	21	17.5806	72	1.00	0.35	0.35	6.072	17.58
B	11	21.2044	73	0.50	0.33	0.18	3.898	10.60

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2359	2225	6,287	3,261	0.018	0.16

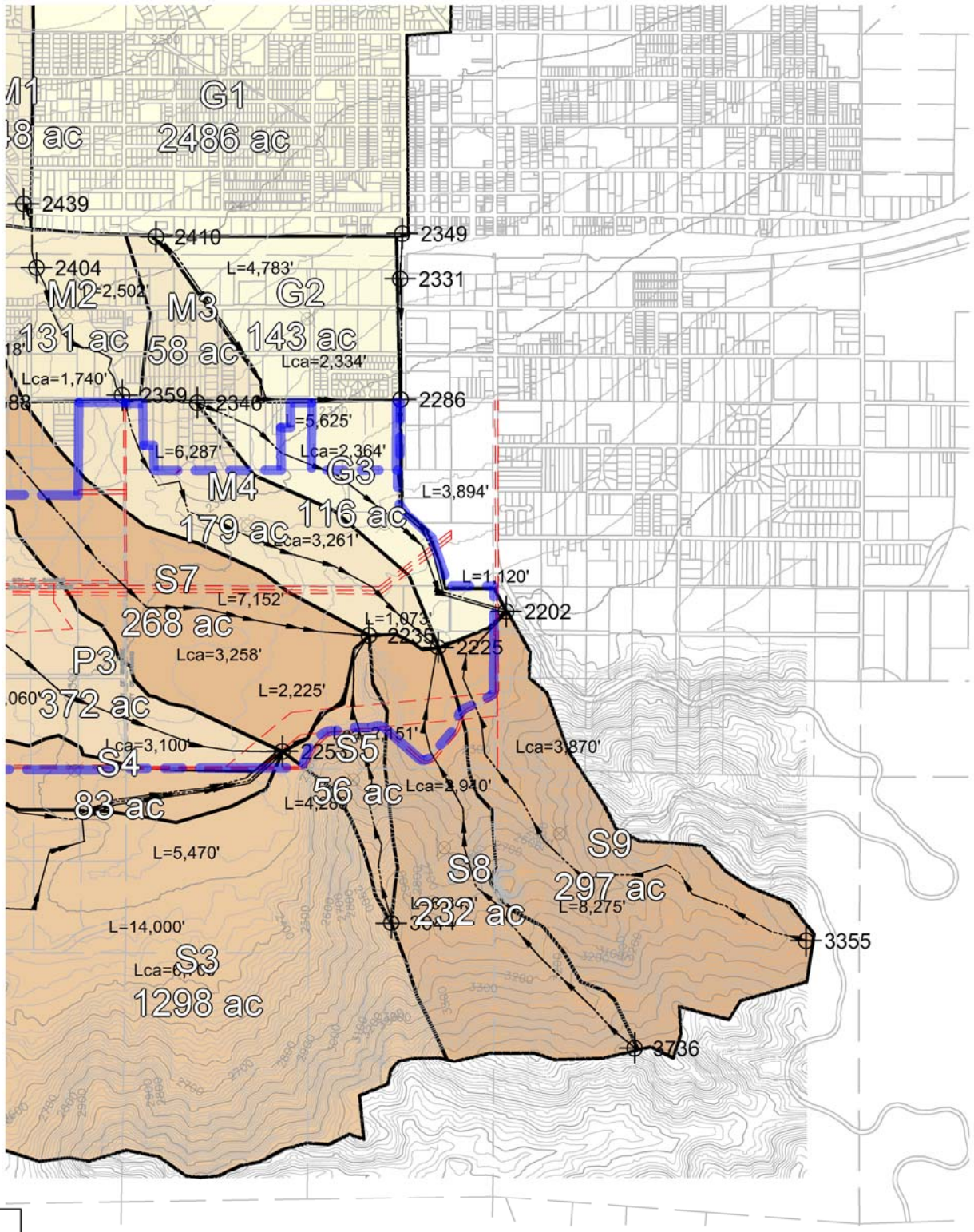
	Area	F	Ap
	acres	in/hr	%
Totals:	179.0	0.31	93.7%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

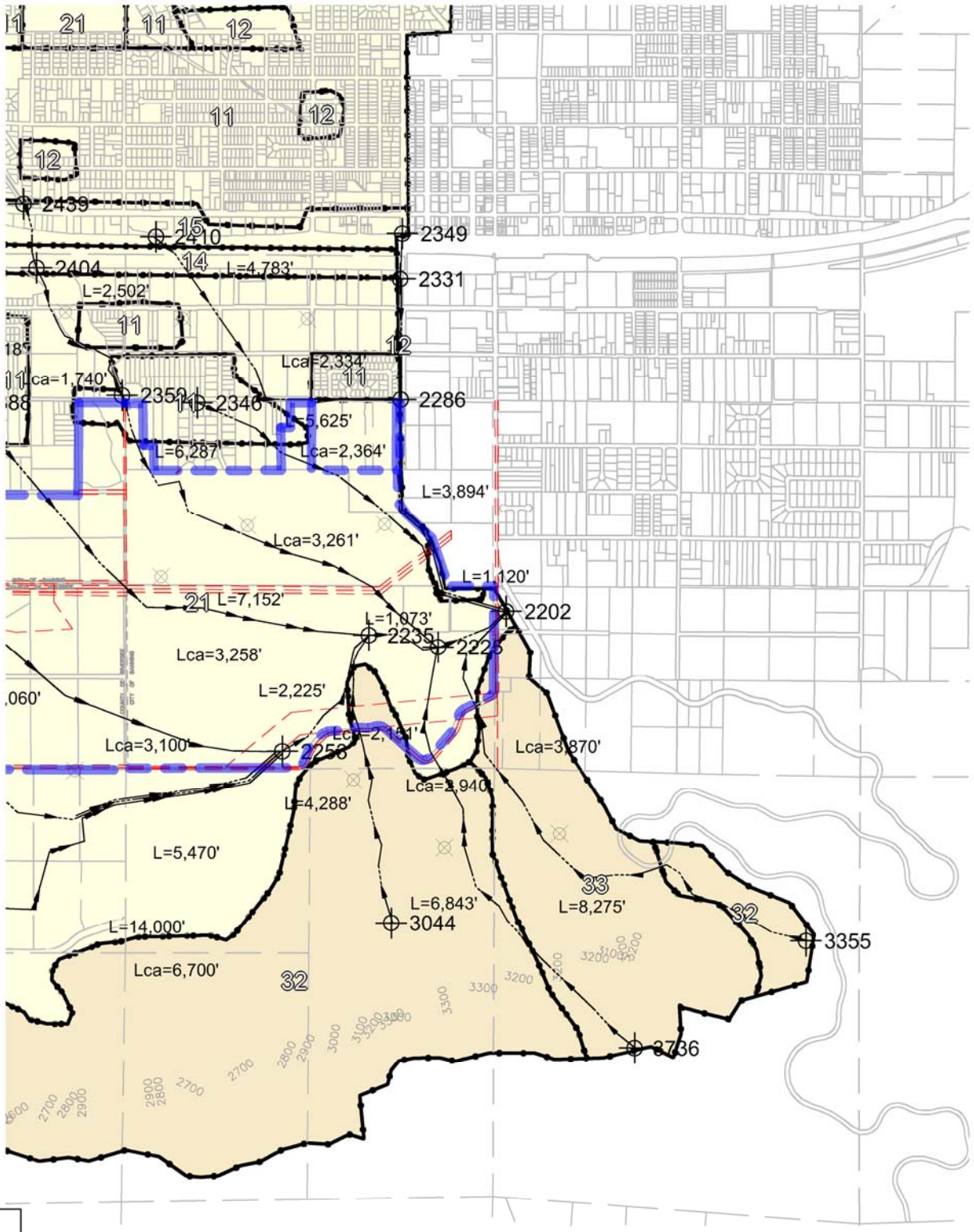
Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	8.6441	72	1.00	0.35	0.35	2.986	8.64
B	21	0.0217	72	1.00	0.35	0.35	0.007	0.02
D	21	3.3990	85	1.00	0.20	0.20	0.665	3.40
B	11	3.3191	73	0.50	0.33	0.18	0.610	1.66
A	11	1.0806	58	0.50	0.50	0.27	0.294	0.54
B	21	2.5544	72	1.00	0.35	0.35	0.882	2.55
B	11	0.0132	73	0.50	0.33	0.18	0.002	0.01
D	11	0.6094	86	0.50	0.18	0.10	0.062	0.30
B	11	0.0887	73	0.50	0.33	0.18	0.016	0.04
B	11	4.1321	73	0.50	0.33	0.18	0.760	2.07
B	11	1.3475	73	0.50	0.33	0.18	0.248	0.67
B	11	7.9772	73	0.50	0.33	0.18	1.466	3.99
D	11	3.9012	86	0.50	0.18	0.10	0.394	1.95
B	21	3.7066	72	1.00	0.35	0.35	1.280	3.71
B	21	0.4513	72	1.00	0.35	0.35	0.156	0.45
B	21	35.7666	72	1.00	0.35	0.35	12.353	35.77
B	21	25.8813	72	1.00	0.35	0.35	8.939	25.88
B	21	3.9511	72	1.00	0.35	0.35	1.365	3.95
D	21	5.0289	85	1.00	0.20	0.20	0.984	5.03
B	21	0.1471	72	1.00	0.35	0.35	0.051	0.15
A	21	1.8219	57	1.00	0.51	0.51	0.921	1.82
B	21	3.0683	72	1.00	0.35	0.35	1.060	3.07
D	21	7.1555	85	1.00	0.20	0.20	1.401	7.16
B	21	3.0972	72	1.00	0.35	0.35	1.070	3.10
B	21	13.4415	72	1.00	0.35	0.35	4.642	13.44
D	21	2.9655	85	1.00	0.20	0.20	0.580	2.97
B	21	22.5772	72	1.00	0.35	0.35	7.798	22.58
B	21	1.2147	72	1.00	0.35	0.35	0.420	1.21
B	21	9.9941	72	1.00	0.35	0.35	3.452	9.99
D	21	1.6187	85	1.00	0.20	0.20	0.317	1.62

SUBBASIN S8-S9, G2-G3

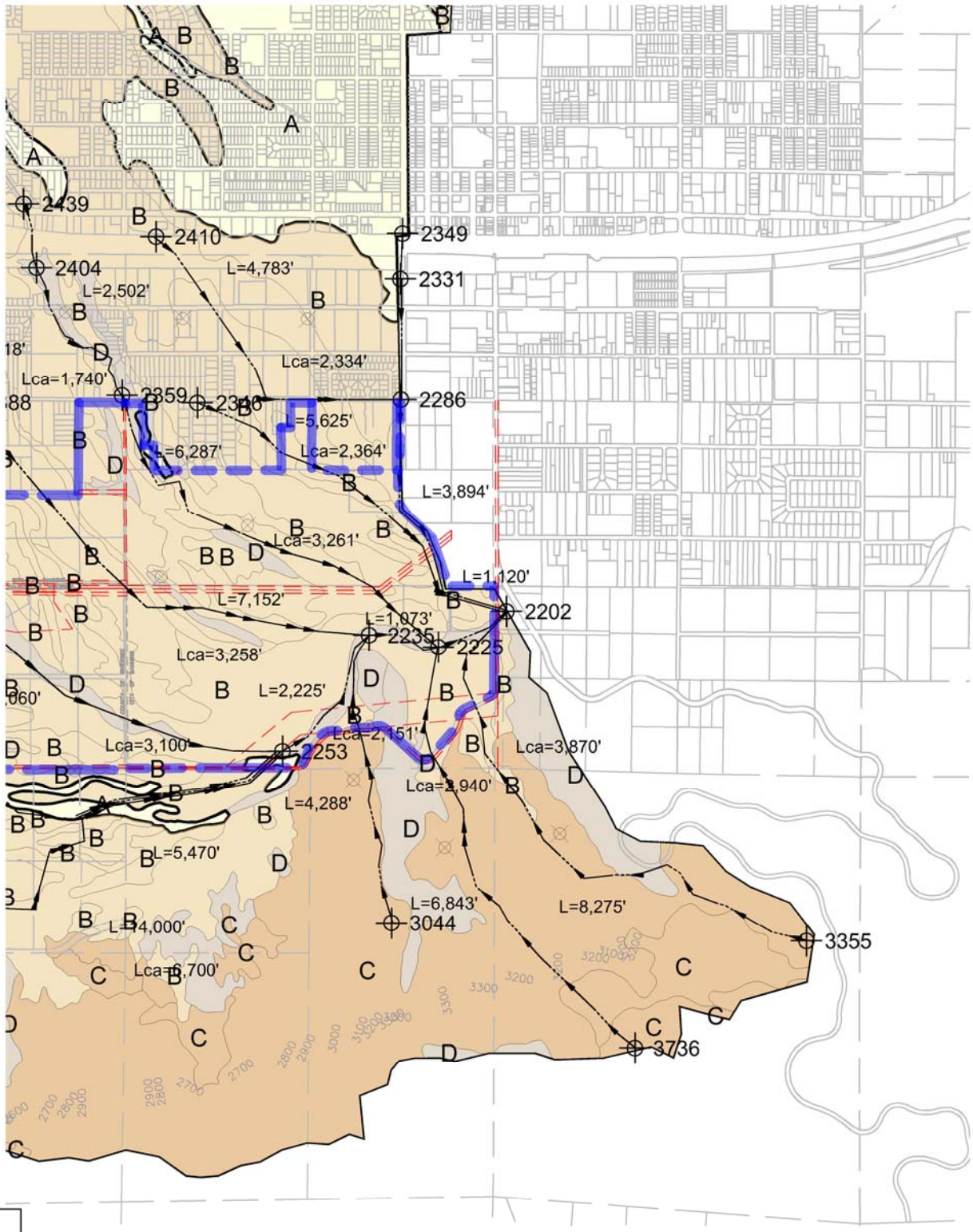
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SUBBASIN S8-S9, G2-G3
LAND USE



SUBBASIN S8-S9, G2-G3
HYDROLOGIC SOIL GROUP



Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	3736	2225	6,843	2,940	0.022	0.12

	Area				F	Ap
	acres				in/hr	%
Totals:	231.8				0.35	100.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
C	33	9.4948	74.00	1.00	0.32	0.32	3.067	9.49
B	21	0.9280	72	1.00	0.35	0.35	0.321	0.93
C	33	0.2781	74	1.00	0.32	0.32	0.090	0.28
C	21	2.9971	80	1.00	0.25	0.25	0.763	3.00
B	32	0.8728	57	1.00	0.51	0.51	0.441	0.87
D	21	1.6332	85	1.00	0.20	0.20	0.320	1.63
D	32	0.8149	74	1.00	0.32	0.32	0.263	0.81
D	21	1.1281	85	1.00	0.20	0.20	0.221	1.13
D	21	0.0091	85	1.00	0.20	0.20	0.002	0.01
C	33	13.2490	74	1.00	0.32	0.32	4.280	13.25
D	21	0.9242	85	1.00	0.20	0.20	0.181	0.92
D	32	39.1891	74	1.00	0.32	0.32	12.659	39.19
B	21	27.1313	72	1.00	0.35	0.35	9.371	27.13
D	32	4.2763	74	1.00	0.32	0.32	1.381	4.28
D	21	5.5893	85	1.00	0.20	0.20	1.094	5.59
D	21	0.6460	85	1.00	0.20	0.20	0.126	0.65
C	33	4.2439	74	1.00	0.32	0.32	1.371	4.24
C	32	118.4049	68	1.00	0.39	0.39	46.104	118.40

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	3355	2202	8,275	3,870	0.022	0.16

	Area				F	Ap
	acres				in/hr	%
Totals:	297.0				0.33	100.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	32	0.3148	74	1.00	0.32	0.32	0.102	0.31
D	32	0.4364	74	1.00	0.32	0.32	0.141	0.44
C	32	2.4477	68.00	1.00	0.39	0.39	0.953	2.45
C	32	1.6123	68	1.00	0.39	0.39	0.628	1.61
C	33	0.0001	74	1.00	0.32	0.32	0.000	0.00
C	33	46.0128	74	1.00	0.32	0.32	14.863	46.01
B	21	1.8190	72	1.00	0.35	0.35	0.628	1.82
B	21	12.5855	72	1.00	0.35	0.35	4.347	12.59
C	21	0.1966	80	1.00	0.25	0.25	0.050	0.20
B	21	0.6592	72	1.00	0.35	0.35	0.228	0.66
D	21	0.3673	85	1.00	0.20	0.20	0.072	0.37
D	21	1.7689	85	1.00	0.20	0.20	0.346	1.77
B	33	8.7207	64	1.00	0.43	0.43	3.771	8.72
B	33	5.4307	64	1.00	0.43	0.43	2.348	5.43
D	33	47.1657	81	1.00	0.24	0.24	11.455	47.17
C	32	7.9366	68	1.00	0.39	0.39	3.090	7.94
C	33	107.4066	74	1.00	0.32	0.32	34.694	107.41
C	33	13.4529	74	1.00	0.32	0.32	4.346	13.45
B	33	1.1085	64	1.00	0.43	0.43	0.479	1.11
B	33	3.4953	64	1.00	0.43	0.43	1.511	3.50
C	32	34.1006	68	1.00	0.39	0.39	13.278	34.10

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2410	2286	4,783	2,334	0.018	0.12

	Area				F	Ap
	acres				in/hr	%
Totals:	142.7				0.27	78.0%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	15	0.4172	81	0.10	0.24	0.05	0.019	0.04
B	15	2.1417	88	0.10	0.16	0.03	0.065	0.21
B	11	0.8384	73	0.50	0.33	0.18	0.154	0.42
B	21	19.5216	72	1.00	0.35	0.35	6.742	19.52
B	21	23.1144	72	1.00	0.35	0.35	7.983	23.11
B	21	22.3497	72	1.00	0.35	0.35	7.719	22.35
B	14	6.9454	89	0.10	0.15	0.03	0.195	0.69
A	14	3.4817	83	0.10	0.22	0.04	0.145	0.35
B	12	0.1729	92	0.10	0.11	0.02	0.004	0.02
B	11	0.0881	73	0.50	0.33	0.18	0.016	0.04
B	11	12.7399	73	0.50	0.33	0.18	2.342	6.37
B	11	6.0099	73	0.50	0.33	0.18	1.105	3.00
A	21	2.9838	57	1.00	0.51	0.51	1.508	2.98
B	21	30.9051	72	1.00	0.35	0.35	10.674	30.91
A	15	0.0603	81	0.10	0.24	0.05	0.003	0.01
B	15	8.1252	88	0.10	0.16	0.03	0.247	0.81
A	15	2.6379	81	0.10	0.24	0.05	0.122	0.26
B	21	0.1610	72	1.00	0.35	0.35	0.056	0.16

Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2346	2202	5,625	2,364	0.018	0.13

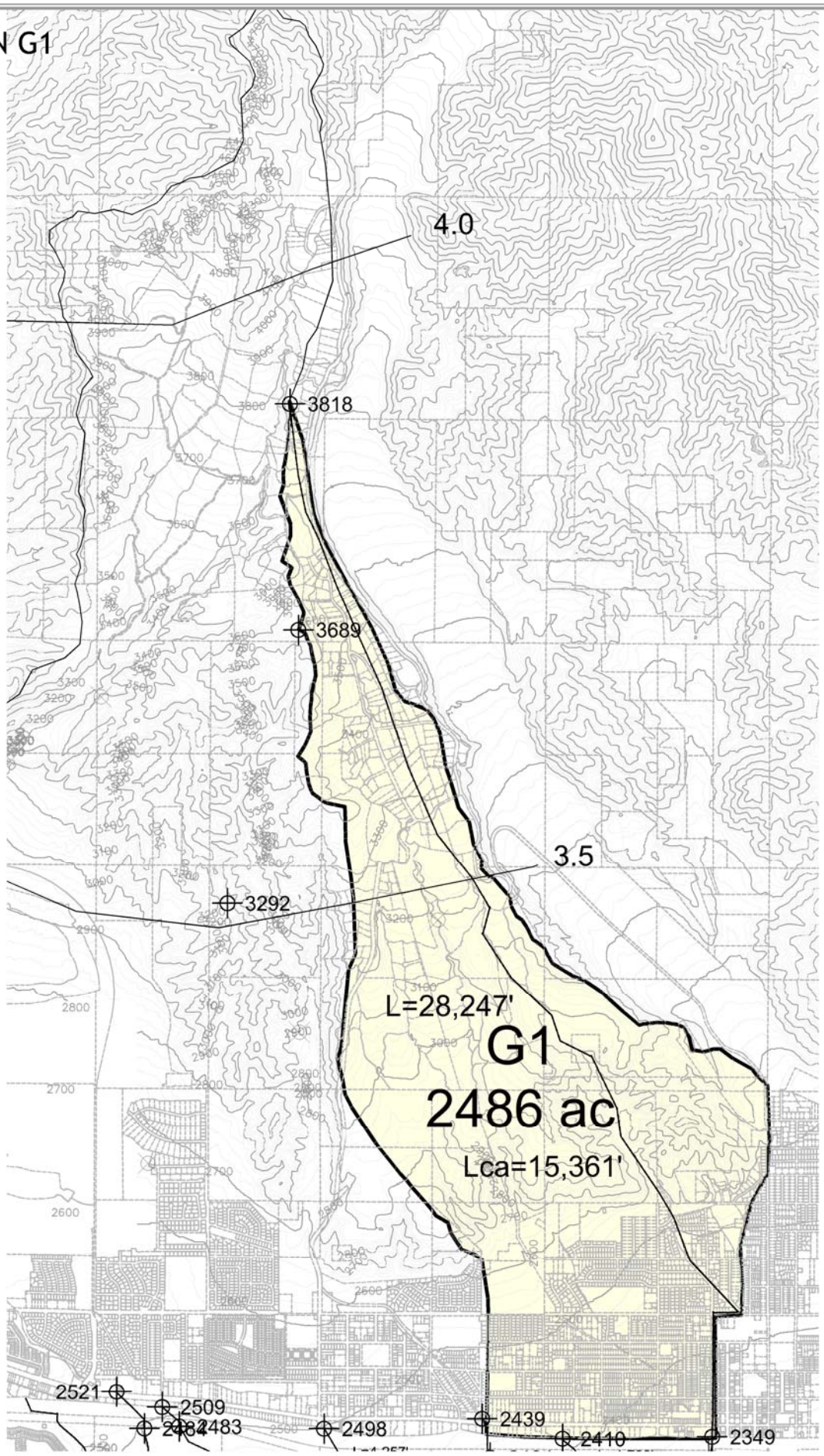
	Area	F	Ap
	acres	in/hr	%
Totals:	115.8	0.31	90.8%

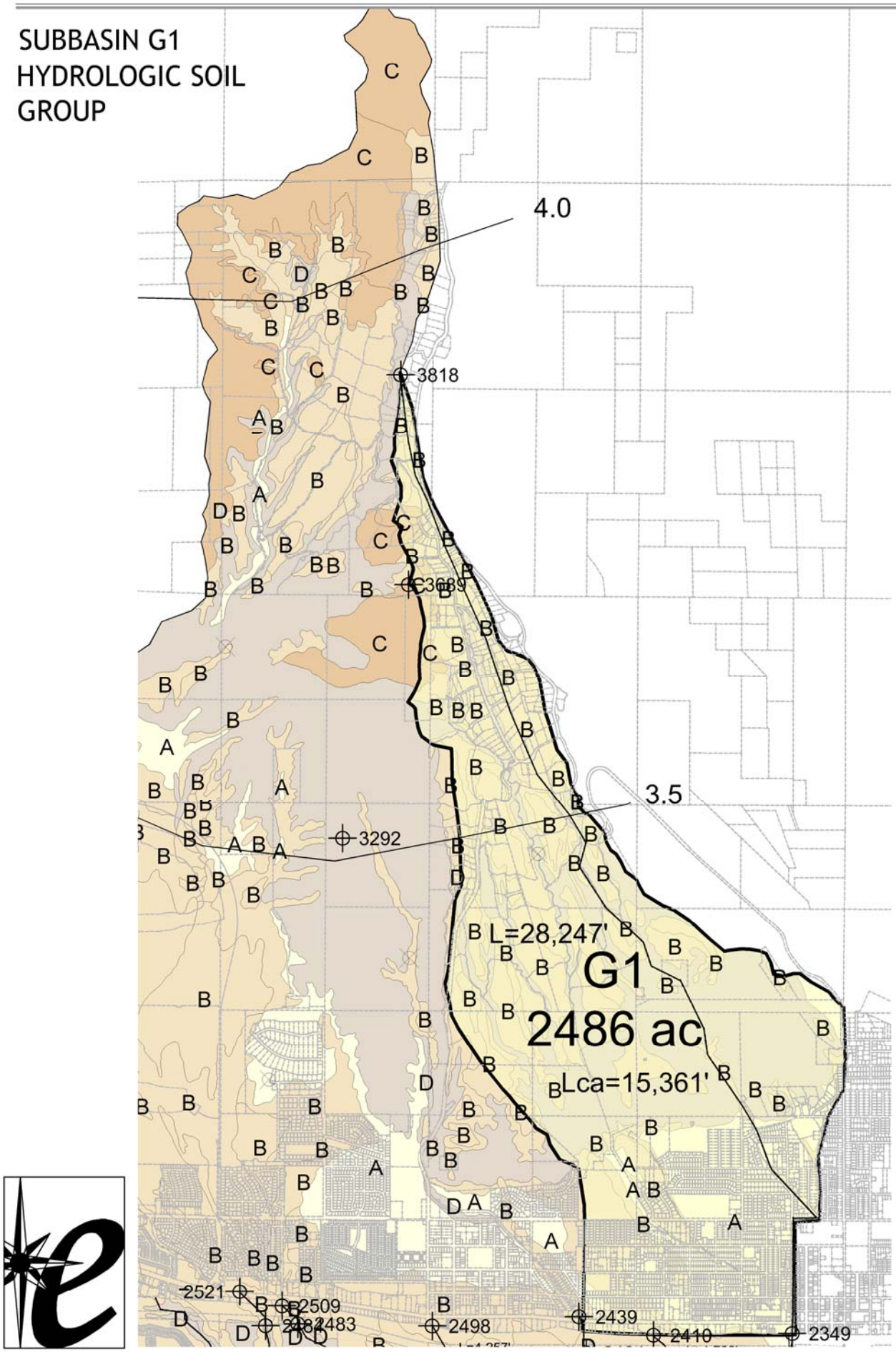
Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	2.5509	73	0.50	0.33	0.18	0.469	1.28
B	21	0.4448	72	1.00	0.35	0.35	0.154	0.44
B	11	2.9368	73	0.50	0.33	0.18	0.540	1.47
B	11	0.4853	73	0.50	0.33	0.18	0.089	0.24
B	21	1.2854	72	1.00	0.35	0.35	0.444	1.29
B	11	0.0010	73	0.50	0.33	0.18	0.000	0.00
B	21	1.3764	72	1.00	0.35	0.35	0.475	1.38
B	11	11.0909	73	0.50	0.33	0.18	2.039	5.55
D	21	2.4948	85	1.00	0.20	0.20	0.488	2.49
B	21	2.4925	72	1.00	0.35	0.35	0.861	2.49
B	21	1.7472	72	1.00	0.35	0.35	0.603	1.75
B	11	0.9404	73	0.50	0.33	0.18	0.173	0.47
B	11	1.7170	73	0.50	0.33	0.18	0.316	0.86
B	21	9.8254	72	1.00	0.35	0.35	3.393	9.83
B	21	7.9101	72	1.00	0.35	0.35	2.732	7.91
B	21	15.0660	72	1.00	0.35	0.35	5.203	15.07
B	21	2.9240	72	1.00	0.35	0.35	1.010	2.92
B	11	1.5368	73	0.50	0.33	0.18	0.283	0.77
B	11	0.0797	73	0.50	0.33	0.18	0.015	0.04
B	21	24.5746	72	1.00	0.35	0.35	8.488	24.57
B	21	5.3477	72	1.00	0.35	0.35	1.847	5.35
B	21	11.2262	72	1.00	0.35	0.35	3.877	11.23
B	21	7.7847	72	1.00	0.35	0.35	2.689	7.78

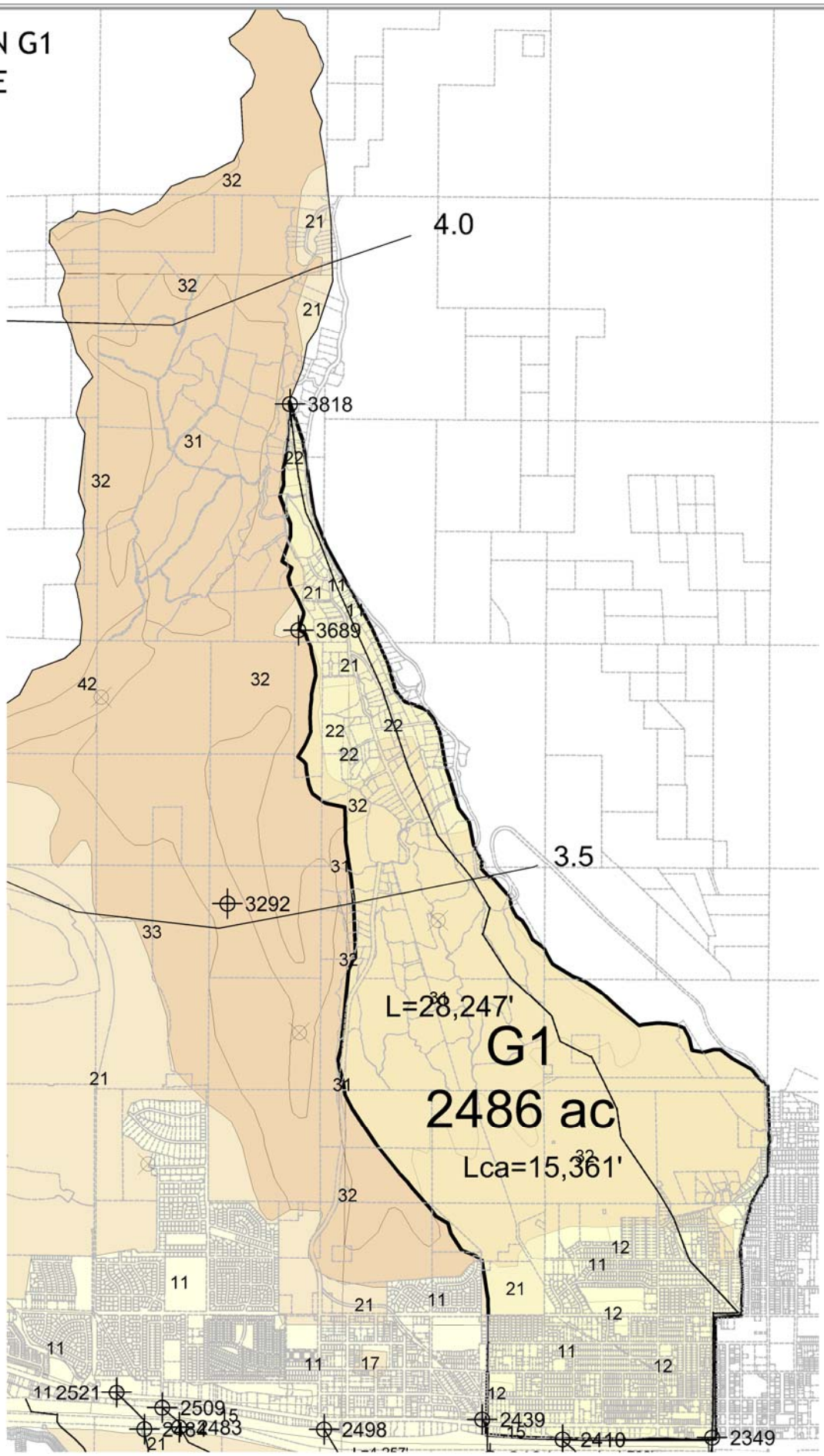
SUBBASIN G1

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4.0
3818
3689
3.5
3292
L=28,247'
G1
2486 ac
Lca=15,361'
2521
2509
2483
2498
2439
2410
2349


SUBBASIN G1
HYDROLOGIC SOIL
GROUP
4.0
3.5
3818
3689
3292
2521
2509
2483
2498
2439
2410
2349
L=28,247'
G1
2486 ac
Lca=15,361'

SUBBASIN G1
LAND USE



Existing Condition

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	3818	2360	28,247	15,361	0.022	0.52

	Area	F	Ap
	acres	in/hr	%
Totals:	2484.0	0.32	86.4%

Discreet Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	22	0.2064	65	1.00	0.42	0.42	0.087	0.21
B	22	0.2982	65	1.00	0.42	0.42	0.126	0.30
B	22	0.0557	65	1.00	0.42	0.42	0.023	0.06
B	22	1.1215	65	1.00	0.42	0.42	0.473	1.12
B	32	0.5739	57	1.00	0.51	0.51	0.290	0.57
B	31	0.2831	70	1.00	0.37	0.37	0.104	0.28
B	32	0.2345	57	1.00	0.51	0.51	0.119	0.23
B	31	2.2714	70	1.00	0.37	0.37	0.835	2.27
B	32	35.7381	57	1.00	0.51	0.51	18.063	35.74
B	32	0.6045	57	1.00	0.51	0.51	0.306	0.60
B	32	3.0318	57	1.00	0.51	0.51	1.532	3.03
B	32	7.0314	57	1.00	0.51	0.51	3.554	7.03
B	32	3.8175	57	1.00	0.51	0.51	1.929	3.82
B	32	2.2143	57	1.00	0.51	0.51	1.119	2.21
B	11	3.5678	73	0.50	0.33	0.18	0.656	1.78
A	11	11.9316	58	0.50	0.50	0.27	3.250	5.97
B	32	4.7912	57	1.00	0.51	0.51	2.422	4.79
D	22	0.9551	82	1.00	0.23	0.23	0.221	0.96
C	21	5.7629	80	1.00	0.25	0.25	1.467	5.76
B	32	0.3541	57	1.00	0.51	0.51	0.179	0.35
C	21	0.6794	80	1.00	0.25	0.25	0.173	0.68
B	21	0.0815	72.00	1.00	0.35	0.35	0.028	0.08
C	21	2.9531	80.00	1.00	0.25	0.25	0.752	2.95
B	21	1.5072	72.00	1.00	0.35	0.35	0.521	1.51
B	21	2.1262	72.00	1.00	0.35	0.35	0.734	2.13
B	21	0.0141	72.00	1.00	0.35	0.35	0.005	0.01
B	21	0.1269	72.00	1.00	0.35	0.35	0.044	0.13
B	11	0.2417	73.00	0.50	0.33	0.18	0.044	0.12
B	22	1.7982	65.00	1.00	0.42	0.42	0.758	1.80
B	21	0.0121	72.00	1.00	0.35	0.35	0.004	0.01
B	21	1.5940	72.00	1.00	0.35	0.35	0.551	1.59
B	21	0.3437	72.00	1.00	0.35	0.35	0.119	0.34
B	32	0.6589	57.00	1.00	0.51	0.51	0.333	0.66
C	32	1.1114	68.00	1.00	0.39	0.39	0.433	1.11
B	22	0.5017	65.00	1.00	0.42	0.42	0.212	0.50
B	32	4.4007	57.00	1.00	0.51	0.51	2.224	4.40
B	22	0.1015	65.00	1.00	0.42	0.42	0.043	0.10
B	11	1.5315	73.00	0.50	0.33	0.18	0.282	0.77
A	11	2.0043	58	0.50	0.50	0.27	0.546	1.00
B	15	4.3166	88	0.10	0.16	0.03	0.131	0.43

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	15	4.3520	81	0.10	0.24	0.05	0.201	0.44
B	15	3.3880	88	0.10	0.16	0.03	0.103	0.34
B	11	4.1883	73	0.50	0.33	0.18	0.770	2.09
B	11	1.2631	73.00	0.50	0.33	0.18	0.232	0.63
B	11	0.7337	73.00	0.50	0.33	0.18	0.135	0.37
A	12	15.8090	89.00	0.10	0.15	0.03	0.444	1.58
B	12	1.2200	92.00	0.10	0.11	0.02	0.026	0.12
A	11	0.7273	58.00	0.50	0.50	0.27	0.198	0.36
A	11	0.0269	58.00	0.50	0.50	0.27	0.007	0.01
B	12	3.2093	92.00	0.10	0.11	0.02	0.068	0.32
A	12	4.2016	89.00	0.10	0.15	0.03	0.118	0.42
B	21	3.1253	72.00	1.00	0.35	0.35	1.079	3.13
A	21	2.8474	57.00	1.00	0.51	0.51	1.439	2.85
A	11	0.8202	58.00	0.50	0.50	0.27	0.223	0.41
B	21	7.5867	72.00	1.00	0.35	0.35	2.620	7.59
B	11	0.2747	73.00	0.50	0.33	0.18	0.050	0.14
C	32	6.3664	68	1.00	0.39	0.39	2.479	6.37
B	32	0.1411	57	1.00	0.51	0.51	0.071	0.14
B	32	0.0101	57	1.00	0.51	0.51	0.005	0.01
D	32	0.0161	74.00	1.00	0.32	0.32	0.005	0.02
B	22	3.2256	65	1.00	0.42	0.42	1.360	3.23
B	22	1.3309	65	1.00	0.42	0.42	0.561	1.33
B	31	0.6282	70	1.00	0.37	0.37	0.231	0.63
B	31	0.3837	70	1.00	0.37	0.37	0.141	0.38
B	11	2.2093	73	0.50	0.33	0.18	0.406	1.10
B	11	1.1760	73	0.50	0.33	0.18	0.216	0.59
B	11	0.6057	73	0.50	0.33	0.18	0.111	0.30
B	31	0.6249	70	1.00	0.37	0.37	0.230	0.62
B	32	0.5065	57	1.00	0.51	0.51	0.256	0.51
C	32	1.3207	68	1.00	0.39	0.39	0.514	1.32
B	32	0.0007	57	1.00	0.51	0.51	0.000	0.00
B	32	0.1859	57	1.00	0.51	0.51	0.094	0.19
B	32	0.0006	57	1.00	0.51	0.51	0.000	0.00
B	32	0.1357	57	1.00	0.51	0.51	0.069	0.14
D	31	0.0217	87	1.00	0.17	0.17	0.004	0.02
D	32	0.0242	74	1.00	0.32	0.32	0.008	0.02
B	32	0.1420	57	1.00	0.51	0.51	0.072	0.14
B	31	4.0725	70	1.00	0.37	0.37	1.497	4.07
A	15	11.2600	81	0.10	0.24	0.05	0.520	1.13
B	21	31.8940	72	1.00	0.35	0.35	11.016	31.89
C	32	1.3189	68	1.00	0.39	0.39	0.514	1.32
D	32	0.5915	74	1.00	0.32	0.32	0.191	0.59
B	15	0.2693	88	0.10	0.16	0.03	0.008	0.03
B	11	56.0267	73	0.50	0.33	0.18	10.299	28.01
B	15	20.1552	88	0.10	0.16	0.03	0.612	2.02
A	15	0.2361	81	0.10	0.24	0.05	0.011	0.02
A	21	6.0096	57	1.00	0.51	0.51	3.037	6.01
B	21	0.6233	72	1.00	0.35	0.35	0.215	0.62
A	11	1.1275	58	0.50	0.50	0.27	0.307	0.56
A	11	3.4668	58	0.50	0.50	0.27	0.944	1.73
B	11	1.9677	73	0.50	0.33	0.18	0.362	0.98
A	32	0.5806	45	1.00	0.62	0.62	0.362	0.58
A	32	1.7445	45	1.00	0.62	0.62	1.088	1.74
B	32	3.4603	57	1.00	0.51	0.51	1.749	3.46
B	32	3.2029	57	1.00	0.51	0.51	1.619	3.20
B	11	3.3773	73	0.50	0.33	0.18	0.621	1.69

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	32	2.5215	57	1.00	0.51	0.51	1.274	2.52
B	31	1.6603	70	1.00	0.37	0.37	0.610	1.66
B	11	15.9196	73	0.50	0.33	0.18	2.926	7.96
B	11	4.4346	73	0.50	0.33	0.18	0.815	2.22
B	32	6.7390	57	1.00	0.51	0.51	3.406	6.74
B	32	3.4118	57	1.00	0.51	0.51	1.724	3.41
B	11	14.4907	73	0.50	0.33	0.18	2.664	7.25
A	11	273.7023	58	0.50	0.50	0.27	74.543	136.85
B	32	10.3367	57	1.00	0.51	0.51	5.225	10.34
B	31	6.5403	70	1.00	0.37	0.37	2.404	6.54
B	32	5.7983	57	1.00	0.51	0.51	2.931	5.80
B	32	5.0590	57	1.00	0.51	0.51	2.557	5.06
B	31	0.1401	70	1.00	0.37	0.37	0.051	0.14
B	31	17.7852	70	1.00	0.37	0.37	6.536	17.79
B	31	8.7086	70	1.00	0.37	0.37	3.200	8.71
B	31	14.3271	70	1.00	0.37	0.37	5.265	14.33
A	11	2.9251	58	0.50	0.50	0.27	0.797	1.46
B	31	9.0678	70	1.00	0.37	0.37	3.332	9.07
B	32	0.9527	57	1.00	0.51	0.51	0.482	0.95
B	31	27.9953	70	1.00	0.37	0.37	10.288	28.00
B	31	10.8966	70	1.00	0.37	0.37	4.005	10.90
B	31	11.2969	70	1.00	0.37	0.37	4.152	11.30
B	32	4.5838	57	1.00	0.51	0.51	2.317	4.58
B	31	1.6535	70	1.00	0.37	0.37	0.608	1.65
B	31	14.7857	70	1.00	0.37	0.37	5.434	14.79
B	31	29.5743	70	1.00	0.37	0.37	10.869	29.57
B	31	1.9639	70	1.00	0.37	0.37	0.722	1.96
B	31	0.3072	70	1.00	0.37	0.37	0.113	0.31
B	31	11.5915	70	1.00	0.37	0.37	4.260	11.59
B	31	56.2489	70	1.00	0.37	0.37	20.671	56.25
B	22	0.5489	65	1.00	0.42	0.42	0.232	0.55
B	22	29.2444	65	1.00	0.42	0.42	12.334	29.24
B	31	40.9933	70	1.00	0.37	0.37	15.065	40.99
B	31	2.6455	70	1.00	0.37	0.37	0.972	2.65
B	21	3.2965	72	1.00	0.35	0.35	1.139	3.30
B	31	40.1531	70	1.00	0.37	0.37	14.756	40.15
B	31	11.3436	70	1.00	0.37	0.37	4.169	11.34
B	22	2.9909	65	1.00	0.42	0.42	1.261	2.99
B	32	3.5678	57	1.00	0.51	0.51	1.803	3.57
B	32	0.0011	57	1.00	0.51	0.51	0.001	0.00
B	31	0.4585	70	1.00	0.37	0.37	0.169	0.46
B	31	1.3246	70	1.00	0.37	0.37	0.487	1.32
B	22	2.3540	65	1.00	0.42	0.42	0.993	2.35
B	22	0.0001	65	1.00	0.42	0.42	0.000	0.00
B	22	0.0565	65	1.00	0.42	0.42	0.024	0.06
B	22	1.7362	65	1.00	0.42	0.42	0.732	1.74
B	22	6.1065	65	1.00	0.42	0.42	2.575	6.11
C	32	2.1730	68	1.00	0.39	0.39	0.846	2.17
B	32	0.7758	57	1.00	0.51	0.51	0.392	0.78
C	32	0.0975	68	1.00	0.39	0.39	0.038	0.10
B	22	0.4440	65	1.00	0.42	0.42	0.187	0.44
B	22	0.2441	65	1.00	0.42	0.42	0.103	0.24
B	22	0.1821	65	1.00	0.42	0.42	0.077	0.18
B	21	0.0124	72	1.00	0.35	0.35	0.004	0.01
B	22	0.0800	65	1.00	0.42	0.42	0.034	0.08
C	22	2.2297	76	1.00	0.30	0.30	0.670	2.23

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	22	5.9269	65	1.00	0.42	0.42	2.500	5.93
B	22	0.1615	65	1.00	0.42	0.42	0.068	0.16
B	21	6.6559	72	1.00	0.35	0.35	2.299	6.66
C	22	4.4293	76	1.00	0.30	0.30	1.331	4.43
C	32	3.2199	68	1.00	0.39	0.39	1.254	3.22
B	21	6.9011	72	1.00	0.35	0.35	2.383	6.90
C	21	10.9543	80	1.00	0.25	0.25	2.788	10.95
B	31	28.6887	70	1.00	0.37	0.37	10.543	28.69
B	22	1.9510	65	1.00	0.42	0.42	0.823	1.95
B	11	1.8086	73	0.50	0.33	0.18	0.332	0.90
B	11	9.5811	73	0.50	0.33	0.18	1.761	4.79
B	22	3.2091	65	1.00	0.42	0.42	1.353	3.21
B	21	10.4010	72	1.00	0.35	0.35	3.592	10.40
B	32	6.0445	57	1.00	0.51	0.51	3.055	6.04
B	32	1.8305	57	1.00	0.51	0.51	0.925	1.83
B	22	0.8392	65	1.00	0.42	0.42	0.354	0.84
D	22	1.1157	82	1.00	0.23	0.23	0.258	1.12
B	21	0.4892	72	1.00	0.35	0.35	0.169	0.49
B	21	5.8270	72	1.00	0.35	0.35	2.013	5.83
B	21	9.4897	72	1.00	0.35	0.35	3.278	9.49
B	22	3.4886	65	1.00	0.42	0.42	1.471	3.49
B	22	3.3143	65	1.00	0.42	0.42	1.398	3.31
B	22	3.1992	65	1.00	0.42	0.42	1.349	3.20
B	22	2.0667	65	1.00	0.42	0.42	0.872	2.07
B	32	1.6841	57	1.00	0.51	0.51	0.851	1.68
B	31	19.4052	70	1.00	0.37	0.37	7.131	19.41
B	31	7.2287	70	1.00	0.37	0.37	2.657	7.23
B	31	6.6940	70	1.00	0.37	0.37	2.460	6.69
B	32	0.0883	57	1.00	0.51	0.51	0.045	0.09
B	31	56.0149	70	1.00	0.37	0.37	20.585	56.01
D	21	1.3608	85	1.00	0.20	0.20	0.266	1.36
B	21	4.7393	72	1.00	0.35	0.35	1.637	4.74
B	32	1.2517	57	1.00	0.51	0.51	0.633	1.25
D	22	6.7333	82	1.00	0.23	0.23	1.557	6.73
B	22	5.8948	65	1.00	0.42	0.42	2.486	5.89
B	22	6.3119	65	1.00	0.42	0.42	2.662	6.31
B	31	19.4824	70	1.00	0.37	0.37	7.160	19.48
B	31	8.7578	70	1.00	0.37	0.37	3.218	8.76
B	31	6.2727	70	1.00	0.37	0.37	2.305	6.27
B	31	6.8083	70	1.00	0.37	0.37	2.502	6.81
B	32	3.9124	57	1.00	0.51	0.51	1.977	3.91
B	31	20.1954	70	1.00	0.37	0.37	7.422	20.20
B	31	3.8462	70	1.00	0.37	0.37	1.413	3.85
B	32	2.9538	57	1.00	0.51	0.51	1.493	2.95
D	11	0.4963	86	0.50	0.18	0.10	0.050	0.25
B	11	0.5439	73	0.50	0.33	0.18	0.100	0.27
B	32	4.4047	57	1.00	0.51	0.51	2.226	4.40
B	32	0.0618	57	1.00	0.51	0.51	0.031	0.06
B	22	3.8666	65	1.00	0.42	0.42	1.631	3.87
B	22	3.2516	65	1.00	0.42	0.42	1.371	3.25
B	22	0.0596	65	1.00	0.42	0.42	0.025	0.06
D	32	12.4038	74	1.00	0.32	0.32	4.007	12.40
B	31	7.1451	70	1.00	0.37	0.37	2.626	7.15
B	32	0.5098	57	1.00	0.51	0.51	0.258	0.51
B	12	3.6444	92	0.10	0.11	0.02	0.077	0.36
B	11	24.5422	73	0.50	0.33	0.18	4.512	12.27

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	11	60.8360	58	0.50	0.50	0.27	16.569	30.42
B	31	4.7029	70	1.00	0.37	0.37	1.728	4.70
B	31	15.8942	70	1.00	0.37	0.37	5.841	15.89
B	31	11.8154	70	1.00	0.37	0.37	4.342	11.82
B	31	6.6047	70	1.00	0.37	0.37	2.427	6.60
B	31	7.8969	70	1.00	0.37	0.37	2.902	7.90
B	31	13.9700	70	1.00	0.37	0.37	5.134	13.97
B	31	7.4307	70	1.00	0.37	0.37	2.731	7.43
B	31	8.5268	70	1.00	0.37	0.37	3.134	8.53
B	32	0.0910	57	1.00	0.51	0.51	0.046	0.09
B	21	7.6653	72	1.00	0.35	0.35	2.647	7.67
B	22	16.0099	65	1.00	0.42	0.42	6.752	16.01
D	22	10.2394	82	1.00	0.23	0.23	2.367	10.24
B	32	3.9210	57	1.00	0.51	0.51	1.982	3.92
B	32	1.8795	57	1.00	0.51	0.51	0.950	1.88
B	32	1.7878	57	1.00	0.51	0.51	0.904	1.79
B	32	2.6554	57	1.00	0.51	0.51	1.342	2.66
B	32	2.3804	57	1.00	0.51	0.51	1.203	2.38
D	31	244.3362	87	1.00	0.17	0.17	41.984	244.34
B	31	3.7399	70	1.00	0.37	0.37	1.374	3.74
B	31	4.9040	70	1.00	0.37	0.37	1.802	4.90
B	32	0.0042	57	1.00	0.51	0.51	0.002	0.00
B	31	2.1623	70	1.00	0.37	0.37	0.795	2.16
B	32	0.3974	57	1.00	0.51	0.51	0.201	0.40
D	22	0.6490	82	1.00	0.23	0.23	0.150	0.65
D	32	503.8716	74	1.00	0.32	0.32	162.761	503.87
B	32	0.1628	57	1.00	0.51	0.51	0.082	0.16
B	22	0.3959	65	1.00	0.42	0.42	0.167	0.40
B	32	0.0593	57	1.00	0.51	0.51	0.030	0.06
B	31	1.1530	70	1.00	0.37	0.37	0.424	1.15
B	32	0.0794	57	1.00	0.51	0.51	0.040	0.08
A	32	17.0310	45	1.00	0.62	0.62	10.623	17.03
B	22	0.0392	65	1.00	0.42	0.42	0.017	0.04
B	21	0.0141	72	1.00	0.35	0.35	0.005	0.01
D	22	0.2832	82	1.00	0.23	0.23	0.065	0.28
D	32	1.1342	74	1.00	0.32	0.32	0.366	1.13
A	32	50.2984	45	1.00	0.62	0.62	31.374	50.30
A	12	11.9058	89	0.10	0.15	0.03	0.334	1.19
A	12	8.9430	89	0.10	0.15	0.03	0.251	0.89
B	11	0.8414	73	0.50	0.33	0.18	0.155	0.42
B	21	0.0042	72	1.00	0.35	0.35	0.001	0.00
B	22	0.6353	65	1.00	0.42	0.42	0.268	0.64
B	11	0.1438	73	0.50	0.33	0.18	0.026	0.07
B	21	0.5130	72	1.00	0.35	0.35	0.177	0.51
B	12	0.1790	92	0.10	0.11	0.02	0.004	0.02

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
SmithCreekN_S1	5.479	3506.6	3350.8	506.20
SmithCreekN_S1_toDiversion	5.479	3506.6	3350.8	506.20
Diversion-1	5.479	3506.6	2540.0	478.20
SmithCreekCulverts	5.479	3506.6	2540.0	478.30
SmithCreek_to_J	5.479	3506.6	2540.0	477.80
LineJ	1.700	1088.0	1717.8	248.00
Line J Culverts	1.700	1088.0	1714.5	248.00
LineJ_to_SmithCreek	1.700	1088.0	1707.9	247.80
JX_SmithCreek_LineJ	7.179	4594.6	4222.4	725.60
SmithCreek_to_SunLakes	7.179	4594.6	4190.3	725.70
SunLakesDetBas	0.987	631.7	166.3	55.00
SunLakes_to_SmithCreek	0.987	631.7	166.1	55.00
JX_SmithCreek_SunLakes	8.166	5226.2	4328.9	780.60
SmithCreek_thru_S2	8.166	5226.2	4295.5	780.30
SmithCreek_S2	1.917	1226.9	1233.9	153.80
JX_SmithCreek_S2	10.083	6453.1	5523.5	934.10
SmithCreek_S3	2.028	1297.9	1414.7	141.60
SmithCreek_S4	0.130	83.2	99.8	8.90
SmithCreek_thru_S4	12.241	7834.2	6960.9	1084.10
Pershing_P1	2.005	1283.2	1758.1	221.50
SplitFlowFromSmith	2.005	1283.2	2431.1	249.50
PershingCulverts	2.005	1283.2	2414.7	249.60
Pershing_thru_P2	2.005	1283.2	2375.4	249.20
Pershing_P2	0.538	344.3	501.4	52.10
JX_Pershing_P2	2.543	1627.5	2726.6	301.40
Pershing_P3	0.582	372.5	446.0	45.30
Pershing_P4	0.089	57.0	100.7	12.60
Pershing_to_SmithCreek	3.214	2057.0	3209.9	358.80
Pershing_P5	0.089	57.0	95.8	8.00
JX_SmithCreek_Pershing	15.544	9948.2	10195.1	1450.90
SmithCreek_thru_S5	15.544	9948.2	10067.2	1451.10
SmithCreek_S7	0.419	268.2	343.4	31.60
SmithCreek_S6	0.195	124.8	222.4	28.10
SmithCreek_thru_S7	0.195	124.8	213.4	28.00
SmithCreek_S5	0.087	55.7	84.6	6.20
JX_SmithCreek_S5	16.245	10396.8	10546.6	1517.00
SmithCreek_thru_S8	16.245	10396.8	10478.2	1517.30
Montgomery_M1	2.106	1347.8	1531.0	211.10
MontgomeryCulverts	2.106	1347.8	1528.2	211.10
Montgomery_thru_M2	2.106	1347.8	1519.7	211.10
Montgomery_M2	0.204	130.6	229.9	27.60
Montgomery_M3	0.090	57.6	101.0	12.00
JX_Montgomery_M2	2.400	1536.0	1743.2	250.70
Montgomery_to_SmithCreek	2.400	1536.0	1738.7	250.60
SmithCreek_S8	0.362	231.7	326.4	25.30

Existing Condition Summary

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
Montgomery_M4	0.280	179.2	246.7	23.30
JX_SmithCreek_Montgomery	19.287	12343.7	12500.3	1816.40
SmithCreek_to_Gilman	19.287	12343.7	12462.3	1816.70
Gilman_G1	3.880	2483.2	2566.2	399.10
GilmanCulvert	3.880	2483.2	2563.8	399.10
Gilman_thru_G2	3.880	2483.2	2556.8	399.20
Gilman_G2	0.223	142.7	221.9	23.60
JX_Gilman_G2	4.103	2625.9	2746.7	422.70
Gilman_to_SmithCreek	4.103	2625.9	2727.3	422.70
SmithCreek_S9	0.464	297.0	395.0	34.10
Gilman_G3	0.181	115.8	169.2	15.50
JX_SmithCreek_Gilman	24.035	15382.4	15451.6	2289.10

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.020	0.020	0.000	0.6	0.00
00:10	0.020	0.020	0.000	1.3	0.01
00:15	0.020	0.020	0.000	2.2	0.03
00:20	0.020	0.020	0.000	3.5	0.05
00:25	0.020	0.020	0.000	4.9	0.09
00:30	0.030	0.029	0.001	8.4	0.14
00:35	0.030	0.029	0.001	11.7	0.22
00:40	0.030	0.029	0.001	15.2	0.33
00:45	0.030	0.029	0.001	19.5	0.46
00:50	0.030	0.029	0.001	23.6	0.63
00:55	0.030	0.029	0.001	29.1	0.83
01:00	0.030	0.029	0.001	33.5	1.06
01:05	0.030	0.029	0.001	37.0	1.31
01:10	0.030	0.029	0.001	39.8	1.59
01:15	0.030	0.029	0.001	42.0	1.88
01:20	0.030	0.029	0.001	43.9	2.18
01:25	0.030	0.029	0.001	45.1	2.49
01:30	0.030	0.029	0.001	46.3	2.81
01:35	0.030	0.029	0.001	47.5	3.13
01:40	0.030	0.029	0.001	48.7	3.47
01:45	0.030	0.029	0.001	49.5	3.81
01:50	0.030	0.029	0.001	50.2	4.16
01:55	0.030	0.029	0.001	50.9	4.51
02:00	0.030	0.029	0.001	51.6	4.86
02:05	0.030	0.029	0.001	52.1	5.22
02:10	0.030	0.029	0.001	52.7	5.58
02:15	0.030	0.029	0.001	53.2	5.95
02:20	0.030	0.029	0.001	53.8	6.32
02:25	0.030	0.029	0.001	54.3	6.69
02:30	0.030	0.029	0.001	54.5	7.07
02:35	0.030	0.029	0.001	54.7	7.45
02:40	0.030	0.029	0.001	54.9	7.83
02:45	0.040	0.029	0.011	71.3	8.32
02:50	0.040	0.029	0.011	87.7	8.92
02:55	0.040	0.029	0.011	110.5	9.68
03:00	0.040	0.029	0.011	144.0	10.67
03:05	0.040	0.029	0.011	177.5	11.90
03:10	0.040	0.029	0.011	224.8	13.44
03:15	0.040	0.029	0.011	265.1	15.27
03:20	0.040	0.029	0.011	296.1	17.31
03:25	0.040	0.029	0.011	319.8	19.51
03:30	0.050	0.029	0.021	353.3	21.94
03:35	0.050	0.029	0.021	386.6	24.61
03:40	0.050	0.029	0.021	419.3	27.49
03:45	0.060	0.029	0.031	478.8	30.79
03:50	0.060	0.029	0.031	538.3	34.50
03:55	0.060	0.029	0.031	618.1	38.76
04:00	0.060	0.029	0.031	698.0	43.56
04:05	0.060	0.029	0.031	767.1	48.85
04:10	0.070	0.029	0.041	859.0	54.76
04:15	0.070	0.029	0.041	937.4	61.22
04:20	0.070	0.029	0.041	1012.8	68.19
04:25	0.080	0.029	0.051	1100.7	75.77
04:30	0.080	0.029	0.051	1182.1	83.92
04:35	0.080	0.029	0.051	1283.7	92.76
04:40	0.080	0.029	0.051	1381.8	102.27
04:45	0.090	0.029	0.061	1479.9	112.46
04:50	0.090	0.029	0.061	1582.8	123.37
04:55	0.090	0.029	0.061	1678.9	134.93
05:00	0.100	0.029	0.071	1788.6	147.25
05:05	0.110	0.029	0.081	1898.7	160.32
05:10	0.130	0.029	0.101	2055.2	174.48
05:15	0.140	0.029	0.111	2237.6	189.89
05:20	0.150	0.029	0.121	2443.4	206.72
05:25	0.170	0.029	0.141	2712.3	225.40

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.210	0.029	0.181	3058.8	246.46
05:35	0.070	0.029	0.041	3213.0	268.59
05:40	0.030	0.029	0.001	3322.2	291.47
05:45	0.020	0.020	0.000	3350.8	314.55
05:50	0.020	0.020	0.000	3195.0	336.55
05:55	0.010	0.010	0.000	3000.5	357.22
06:00	0.010	0.010	0.000	2539.8	374.71
06:05	0.000	0.000	0.000	2047.0	388.81
06:10	0.000	0.000	0.000	1659.4	400.23
06:15	0.000	0.000	0.000	1374.9	409.70
06:20	0.000	0.000	0.000	1189.2	417.89
06:25	0.000	0.000	0.000	992.2	424.73
06:30	0.000	0.000	0.000	889.4	430.85
06:35	0.000	0.000	0.000	810.3	436.43
06:40	0.000	0.000	0.000	723.8	441.42
06:45	0.000	0.000	0.000	617.0	445.67
06:50	0.000	0.000	0.000	553.9	449.48
06:55	0.000	0.000	0.000	525.3	453.10
07:00	0.000	0.000	0.000	499.8	456.54
07:05	0.000	0.000	0.000	471.0	459.78
07:10	0.000	0.000	0.000	435.4	462.78
07:15	0.000	0.000	0.000	396.0	465.51
07:20	0.000	0.000	0.000	353.2	467.94
07:25	0.000	0.000	0.000	303.1	470.03
07:30	0.000	0.000	0.000	238.6	471.67
07:35	0.000	0.000	0.000	218.9	473.18
07:40	0.000	0.000	0.000	215.9	474.67
07:45	0.000	0.000	0.000	214.3	476.14
07:50	0.000	0.000	0.000	212.6	477.61
07:55	0.000	0.000	0.000	211.1	479.06
08:00	0.000	0.000	0.000	209.5	480.50
08:05	0.000	0.000	0.000	208.0	481.94
08:10	0.000	0.000	0.000	206.1	483.36
08:15	0.000	0.000	0.000	203.3	484.76
08:20	0.000	0.000	0.000	200.5	486.14
08:25	0.000	0.000	0.000	197.2	487.50
08:30	0.000	0.000	0.000	193.1	488.83
08:35	0.000	0.000	0.000	189.0	490.13
08:40	0.000	0.000	0.000	184.9	491.40
08:45	0.000	0.000	0.000	180.9	492.65
08:50	0.000	0.000	0.000	176.3	493.86
08:55	0.000	0.000	0.000	170.9	495.04
09:00	0.000	0.000	0.000	165.5	496.18
09:05	0.000	0.000	0.000	159.6	497.28
09:10	0.000	0.000	0.000	152.9	498.33
09:15	0.000	0.000	0.000	146.2	499.34
09:20	0.000	0.000	0.000	139.5	500.30
09:25	0.000	0.000	0.000	132.4	501.21
09:30	0.000	0.000	0.000	124.4	502.07
09:35	0.000	0.000	0.000	116.4	502.87
09:40	0.000	0.000	0.000	107.9	503.61
09:45	0.000	0.000	0.000	98.1	504.29
09:50	0.000	0.000	0.000	86.6	504.88
09:55	0.000	0.000	0.000	72.9	505.38
10:00	0.000	0.000	0.000	57.9	505.78
10:05	0.000	0.000	0.000	41.2	506.07
10:10	0.000	0.000	0.000	20.9	506.21
10:15	0.000	0.000	0.000	3.8	506.24
10:20	0.000	0.000	0.000	0.3	506.24
10:25	0.000	0.000	0.000	0.1	506.24
10:30	0.000	0.000	0.000	0.1	506.24
10:35	0.000	0.000	0.000	0.0	506.24

Time	FLOW-IN	VOLUME
HH:MM	CFS	AC-FT
00:05	0.6	0.00
00:10	1.3	0.01
00:15	2.2	0.03
00:20	3.5	0.05
00:25	4.9	0.09
00:30	8.4	0.14
00:35	11.7	0.22
00:40	15.2	0.33
00:45	19.5	0.46
00:50	23.6	0.63
00:55	29.1	0.83
01:00	33.5	1.06
01:05	37.0	1.31
01:10	39.8	1.59
01:15	42.0	1.88
01:20	43.9	2.18
01:25	45.1	2.49
01:30	46.3	2.81
01:35	47.5	3.13
01:40	48.7	3.47
01:45	49.5	3.81
01:50	50.2	4.16
01:55	50.9	4.51
02:00	51.6	4.86
02:05	52.1	5.22
02:10	52.7	5.58
02:15	53.2	5.95
02:20	53.8	6.32
02:25	54.3	6.69
02:30	54.5	7.07
02:35	54.7	7.45
02:40	54.9	7.83
02:45	71.3	8.32
02:50	87.7	8.92
02:55	110.5	9.68
03:00	144.0	10.67
03:05	177.5	11.90
03:10	224.8	13.44
03:15	265.1	15.27
03:20	296.1	17.31
03:25	319.8	19.51
03:30	353.3	21.94
03:35	386.6	24.61
03:40	419.3	27.49
03:45	478.8	30.79
03:50	538.3	34.50
03:55	618.1	38.76
04:00	698.0	43.56
04:05	767.1	48.85
04:10	859.0	54.76
04:15	937.4	61.22
04:20	1012.8	68.19
04:25	1100.7	75.77
04:30	1182.1	83.92
04:35	1283.7	92.76
04:40	1381.8	102.27
04:45	1479.9	112.46
04:50	1582.8	123.37
04:55	1678.9	134.93
05:00	1788.6	147.25
05:05	1898.7	160.32
05:10	2055.2	174.48
05:15	2237.6	189.89
05:20	2443.4	206.72
05:25	2712.3	225.40
05:30	3058.8	246.46

Time	FLOW-IN	VOLUME
HH:MM	CFS	AC-FT
05:35	3213.0	268.59
05:40	3322.2	291.47
05:45	3350.8	314.55
05:50	3195.0	336.55
05:55	3000.5	357.22
06:00	2539.8	374.71
06:05	2047.0	388.81
06:10	1659.4	400.23
06:15	1374.9	409.70
06:20	1189.2	417.89
06:25	992.2	424.73
06:30	889.4	430.85
06:35	810.3	436.43
06:40	723.8	441.42
06:45	617.0	445.67
06:50	553.9	449.48
06:55	525.3	453.10
07:00	499.8	456.54
07:05	471.0	459.78
07:10	435.4	462.78
07:15	396.0	465.51
07:20	353.2	467.94
07:25	303.1	470.03
07:30	238.6	471.67
07:35	218.9	473.18
07:40	215.9	474.67
07:45	214.3	476.14
07:50	212.6	477.61
07:55	211.1	479.06
08:00	209.5	480.50
08:05	208.0	481.94
08:10	206.1	483.36
08:15	203.3	484.76
08:20	200.5	486.14
08:25	197.2	487.50
08:30	193.1	488.83
08:35	189.0	490.13
08:40	184.9	491.40
08:45	180.9	492.65
08:50	176.3	493.86
08:55	170.9	495.04
09:00	165.5	496.18
09:05	159.6	497.28
09:10	152.9	498.33
09:15	146.2	499.34
09:20	139.5	500.30
09:25	132.4	501.21
09:30	124.4	502.07
09:35	116.4	502.87
09:40	107.9	503.61
09:45	98.1	504.29
09:50	86.6	504.88
09:55	72.9	505.38
10:00	57.9	505.78
10:05	41.2	506.07
10:10	20.9	506.21
10:15	3.8	506.24
10:20	0.3	506.24
10:25	0.1	506.24
10:30	0.1	506.24
10:35	0.0	506.24

Time	FLOW	FLOW-DIVERSION	FLOW-COMBINE	VOLUME
HH:MM	CFS	CFS	CFS	AC-FT
00:05	0.6	0.0	0.6	0.00
00:10	1.3	0.0	1.3	0.01
00:15	2.2	0.0	2.2	0.03
00:20	3.5	0.0	3.5	0.05
00:25	4.9	0.0	4.9	0.09
00:30	8.4	0.0	8.4	0.14
00:35	11.7	0.0	11.7	0.22
00:40	15.2	0.0	15.2	0.33
00:45	19.5	0.0	19.5	0.46
00:50	23.6	0.0	23.6	0.63
00:55	29.1	0.0	29.1	0.83
01:00	33.5	0.0	33.5	1.06
01:05	37.0	0.0	37.0	1.31
01:10	39.8	0.0	39.8	1.59
01:15	42.0	0.0	42.0	1.88
01:20	43.9	0.0	43.9	2.18
01:25	45.1	0.0	45.1	2.49
01:30	46.3	0.0	46.3	2.81
01:35	47.5	0.0	47.5	3.13
01:40	48.7	0.0	48.7	3.47
01:45	49.5	0.0	49.5	3.81
01:50	50.2	0.0	50.2	4.16
01:55	50.9	0.0	50.9	4.51
02:00	51.6	0.0	51.6	4.86
02:05	52.1	0.0	52.1	5.22
02:10	52.7	0.0	52.7	5.58
02:15	53.2	0.0	53.2	5.95
02:20	53.8	0.0	53.8	6.32
02:25	54.3	0.0	54.3	6.69
02:30	54.5	0.0	54.5	7.07
02:35	54.7	0.0	54.7	7.45
02:40	54.9	0.0	54.9	7.83
02:45	71.3	0.0	71.3	8.32
02:50	87.7	0.0	87.7	8.92
02:55	110.5	0.0	110.5	9.68
03:00	144.0	0.0	144.0	10.67
03:05	177.5	0.0	177.5	11.90
03:10	224.8	0.0	224.8	13.44
03:15	265.1	0.0	265.1	15.27
03:20	296.1	0.0	296.1	17.31
03:25	319.8	0.0	319.8	19.51
03:30	353.3	0.0	353.3	21.94
03:35	386.6	0.0	386.6	24.61
03:40	419.3	0.0	419.3	27.49
03:45	478.8	0.0	478.8	30.79
03:50	538.3	0.0	538.3	34.50
03:55	618.1	0.0	618.1	38.76
04:00	698.0	0.0	698.0	43.56
04:05	767.1	0.0	767.1	48.85
04:10	859.0	0.0	859.0	54.76
04:15	937.4	0.0	937.4	61.22
04:20	1012.8	0.0	1012.8	68.19
04:25	1100.7	0.0	1100.7	75.77
04:30	1182.1	0.0	1182.1	83.92
04:35	1283.7	0.0	1283.7	92.76
04:40	1381.8	0.0	1381.8	102.27
04:45	1479.9	0.0	1479.9	112.46
04:50	1582.8	0.0	1582.8	123.37
04:55	1678.9	0.0	1678.9	134.93
05:00	1788.6	0.0	1788.6	147.25
05:05	1898.7	0.0	1898.7	160.32
05:10	2055.2	0.0	2055.2	174.48
05:15	2237.6	0.0	2237.6	189.89
05:20	2443.4	0.0	2443.4	206.72
05:25	2540.0	172.3	2712.3	225.40

Time	FLOW	FLOW-DIVERSION	FLOW-COMBINE	VOLUME
HH:MM	CFS	CFS	CFS	AC-FT
05:30	2540.0	518.8	3058.8	246.46
05:35	2540.0	673.0	3213.0	268.59
05:40	2540.0	782.2	3322.2	291.47
05:45	2540.0	810.8	3350.8	314.55
05:50	2540.0	655.0	3195.0	336.55
05:55	2540.0	460.5	3000.5	357.22
06:00	2539.8	0.0	2539.8	374.71
06:05	2047.0	0.0	2047.0	388.81
06:10	1659.4	0.0	1659.4	400.23
06:15	1374.9	0.0	1374.9	409.70
06:20	1189.2	0.0	1189.2	417.89
06:25	992.2	0.0	992.2	424.73
06:30	889.4	0.0	889.4	430.85
06:35	810.3	0.0	810.3	436.43
06:40	723.8	0.0	723.8	441.42
06:45	617.0	0.0	617.0	445.67
06:50	553.9	0.0	553.9	449.48
06:55	525.3	0.0	525.3	453.10
07:00	499.8	0.0	499.8	456.54
07:05	471.0	0.0	471.0	459.78
07:10	435.4	0.0	435.4	462.78
07:15	396.0	0.0	396.0	465.51
07:20	353.2	0.0	353.2	467.94
07:25	303.1	0.0	303.1	470.03
07:30	238.6	0.0	238.6	471.67
07:35	218.9	0.0	218.9	473.18
07:40	215.9	0.0	215.9	474.67
07:45	214.3	0.0	214.3	476.14
07:50	212.6	0.0	212.6	477.61
07:55	211.1	0.0	211.1	479.06
08:00	209.5	0.0	209.5	480.50
08:05	208.0	0.0	208.0	481.94
08:10	206.1	0.0	206.1	483.36
08:15	203.3	0.0	203.3	484.76
08:20	200.5	0.0	200.5	486.14
08:25	197.2	0.0	197.2	487.50
08:30	193.1	0.0	193.1	488.83
08:35	189.0	0.0	189.0	490.13
08:40	184.9	0.0	184.9	491.40
08:45	180.9	0.0	180.9	492.65
08:50	176.3	0.0	176.3	493.86
08:55	170.9	0.0	170.9	495.04
09:00	165.5	0.0	165.5	496.18
09:05	159.6	0.0	159.6	497.28
09:10	152.9	0.0	152.9	498.33
09:15	146.2	0.0	146.2	499.34
09:20	139.5	0.0	139.5	500.30
09:25	132.4	0.0	132.4	501.21
09:30	124.4	0.0	124.4	502.07
09:35	116.4	0.0	116.4	502.87
09:40	107.9	0.0	107.9	503.61
09:45	98.1	0.0	98.1	504.29
09:50	86.6	0.0	86.6	504.88
09:55	72.9	0.0	72.9	505.38
10:00	57.9	0.0	57.9	505.78
10:05	41.2	0.0	41.2	506.07
10:10	20.9	0.0	20.9	506.21
10:15	3.8	0.0	3.8	506.24
10:20	0.3	0.0	0.3	506.24
10:25	0.1	0.0	0.1	506.24
10:30	0.1	0.0	0.1	506.24
10:35	0.0	0.0	0.0	506.24

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.6	0.00	0.00
00:10	1.3	0.04	0.01
00:15	2.2	0.76	0.03
00:20	3.5	1.79	0.05
00:25	4.9	2.30	0.09
00:30	8.4	2.76	0.14
00:35	11.7	3.39	0.22
00:40	15.2	3.84	0.33
00:45	19.5	4.29	0.46
00:50	23.6	4.69	0.63
00:55	29.1	5.09	0.83
01:00	33.5	5.45	1.06
01:05	37.0	5.71	1.31
01:10	39.8	5.90	1.59
01:15	42.0	6.05	1.88
01:20	43.9	6.16	2.18
01:25	45.1	6.25	2.49
01:30	46.3	6.31	2.81
01:35	47.5	6.38	3.13
01:40	48.7	6.44	3.47
01:45	49.5	6.49	3.81
01:50	50.2	6.53	4.16
01:55	50.9	6.57	4.51
02:00	51.6	6.60	4.86
02:05	52.1	6.63	5.22
02:10	52.7	6.66	5.58
02:15	53.2	6.69	5.95
02:20	53.8	6.71	6.32
02:25	54.3	6.74	6.69
02:30	54.5	6.76	7.07
02:35	54.7	6.77	7.45
02:40	54.9	6.78	7.83
02:45	71.3	7.33	8.32
02:50	87.7	8.01	8.92
02:55	110.5	8.79	9.68
03:00	144.0	9.77	10.67
03:05	177.5	10.68	11.90
03:10	224.8	11.74	13.44
03:15	265.1	12.60	15.27
03:20	296.1	13.21	17.31
03:25	319.8	13.65	19.51
03:30	353.3	14.19	21.94
03:35	386.6	14.73	24.61
03:40	419.3	15.22	27.49
03:45	478.8	16.02	30.79
03:50	538.3	16.80	34.50
03:55	618.1	17.75	38.76
04:00	698.0	18.65	43.56
04:05	767.1	19.39	48.85
04:10	859.0	20.28	54.76
04:15	937.4	21.02	61.22
04:20	1012.8	21.69	68.19
04:25	1100.7	22.42	75.77
04:30	1182.1	23.08	83.92
04:35	1283.7	23.85	92.76
04:40	1381.8	24.57	102.27
04:45	1479.9	25.26	112.46
04:50	1582.8	25.95	123.37
04:55	1678.9	26.58	134.93
05:00	1788.6	27.26	147.25
05:05	1898.7	27.92	160.32
05:10	2055.2	28.81	174.48
05:15	2237.6	29.80	189.89
05:20	2443.4	30.87	206.72
05:25	2540.0	31.39	224.21

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2540.0	31.42	241.70
05:35	2540.0	31.42	259.19
05:40	2540.0	31.42	276.69
05:45	2540.0	31.42	294.18
05:50	2540.0	31.42	311.67
05:55	2540.0	31.42	329.17
06:00	2539.8	31.42	346.66
06:05	2047.0	29.02	360.76
06:10	1659.4	26.69	372.19
06:15	1374.9	24.75	381.65
06:20	1189.2	23.32	389.84
06:25	992.2	21.74	396.68
06:30	889.4	20.74	402.80
06:35	810.3	19.98	408.38
06:40	723.8	19.11	413.37
06:45	617.0	17.98	417.62
06:50	553.9	17.18	421.43
06:55	525.3	16.77	425.05
07:00	499.8	16.44	428.49
07:05	471.0	16.06	431.74
07:10	435.4	15.58	434.73
07:15	396.0	15.02	437.46
07:20	353.2	14.37	439.89
07:25	303.1	13.56	441.98
07:30	238.6	12.42	443.63
07:35	218.9	11.86	445.13
07:40	215.9	11.73	446.62
07:45	214.3	11.69	448.10
07:50	212.6	11.66	449.56
07:55	211.1	11.62	451.01
08:00	209.5	11.59	452.46
08:05	208.0	11.55	453.89
08:10	206.1	11.51	455.31
08:15	203.3	11.45	456.71
08:20	200.5	11.39	458.09
08:25	197.2	11.32	459.45
08:30	193.1	11.23	460.78
08:35	189.0	11.13	462.08
08:40	184.9	11.04	463.35
08:45	180.9	10.94	464.60
08:50	176.3	10.83	465.81
08:55	170.9	10.70	466.99
09:00	165.5	10.57	468.13
09:05	159.6	10.42	469.23
09:10	152.9	10.25	470.28
09:15	146.2	10.07	471.29
09:20	139.5	9.88	472.25
09:25	132.4	9.68	473.16
09:30	124.4	9.45	474.02
09:35	116.4	9.21	474.82
09:40	107.9	8.95	475.56
09:45	98.1	8.63	476.24
09:50	86.6	8.24	476.83
09:55	72.9	7.74	477.34
10:00	57.9	7.13	477.74
10:05	41.2	6.35	478.02
10:10	20.9	5.23	478.16
10:15	3.8	3.78	478.19
10:20	0.3	2.27	478.19
10:25	0.1	1.47	478.19
10:30	0.1	1.01	478.19
10:35	0.0	0.79	478.19

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.2	0.00	0.00
00:20	2.0	0.00	0.02
00:25	3.7	0.00	0.04
00:30	5.8	0.00	0.08
00:35	9.7	0.00	0.15
00:40	13.3	0.00	0.24
00:45	17.5	0.02	0.36
00:50	21.8	0.06	0.51
00:55	26.9	0.17	0.69
01:00	31.8	0.26	0.91
01:05	35.8	0.49	1.16
01:10	38.9	0.67	1.43
01:15	41.2	0.90	1.71
01:20	43.3	1.11	2.01
01:25	44.7	1.26	2.32
01:30	45.9	1.37	2.63
01:35	47.1	1.42	2.96
01:40	48.3	1.46	3.29
01:45	49.3	1.48	3.63
01:50	50.0	1.50	3.98
01:55	50.7	1.51	4.32
02:00	51.4	1.53	4.68
02:05	52.0	1.54	5.04
02:10	52.5	1.55	5.40
02:15	53.1	1.55	5.76
02:20	53.6	1.56	6.13
02:25	54.2	1.57	6.51
02:30	54.5	1.57	6.88
02:35	54.7	1.58	7.26
02:40	54.8	1.58	7.64
02:45	66.7	1.59	8.10
02:50	83.5	1.59	8.67
02:55	105.2	1.60	9.39
03:00	137.0	1.64	10.34
03:05	171.1	1.75	11.52
03:10	216.5	1.92	13.01
03:15	258.6	2.13	14.79
03:20	291.3	2.35	16.79
03:25	316.2	2.56	18.97
03:30	348.4	2.71	21.37
03:35	381.9	2.81	24.00
03:40	414.9	2.91	26.86
03:45	471.1	3.00	30.10
03:50	531.0	3.10	33.76
03:55	608.9	3.23	37.95
04:00	689.2	3.38	42.70
04:05	759.8	3.54	47.93
04:10	849.6	3.69	53.79
04:15	929.7	3.83	60.19
04:20	1005.7	3.97	67.11
04:25	1092.6	4.09	74.64
04:30	1174.9	4.20	82.73
04:35	1275.0	4.32	91.51
04:40	1373.6	4.43	100.97
04:45	1471.9	4.55	111.11
04:50	1574.7	4.66	121.95
04:55	1671.4	4.77	133.46
05:00	1780.3	4.87	145.73
05:05	1890.6	4.98	158.75
05:10	2044.0	5.08	172.82
05:15	2225.0	5.21	188.15
05:20	2429.6	5.36	204.88
05:25	2533.6	5.51	222.33

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2540.0	5.61	239.82
05:35	2540.0	5.62	257.32
05:40	2540.0	5.63	274.81
05:45	2540.0	5.63	292.30
05:50	2540.0	5.63	309.79
05:55	2540.0	5.63	327.29
06:00	2539.8	5.63	344.78
06:05	2082.0	5.62	359.12
06:10	1689.4	5.35	370.75
06:15	1398.6	5.02	380.39
06:20	1205.6	4.73	388.69
06:25	1010.9	4.50	395.65
06:30	899.6	4.28	401.85
06:35	818.5	4.09	407.48
06:40	733.1	3.96	412.53
06:45	629.2	3.83	416.87
06:50	561.4	3.69	420.73
06:55	528.8	3.54	424.37
07:00	503.0	3.42	427.84
07:05	474.7	3.36	431.11
07:10	440.1	3.30	434.14
07:15	401.4	3.24	436.90
07:20	359.3	3.16	439.38
07:25	310.7	3.08	441.52
07:30	249.3	2.97	443.23
07:35	222.3	2.85	444.77
07:40	216.4	2.69	446.26
07:45	214.6	2.58	447.73
07:50	212.9	2.52	449.20
07:55	211.4	2.50	450.66
08:00	209.8	2.49	452.10
08:05	208.3	2.49	453.54
08:10	206.4	2.48	454.96
08:15	203.8	2.48	456.36
08:20	201.0	2.47	457.74
08:25	197.8	2.46	459.11
08:30	193.9	2.45	460.44
08:35	189.8	2.44	461.75
08:40	185.7	2.43	463.03
08:45	181.6	2.41	464.28
08:50	177.2	2.39	465.50
08:55	171.9	2.38	466.68
09:00	166.6	2.36	467.83
09:05	160.8	2.34	468.94
09:10	154.3	2.32	470.00
09:15	147.6	2.29	471.02
09:20	140.9	2.27	471.99
09:25	133.9	2.24	472.91
09:30	126.1	2.21	473.78
09:35	118.2	2.17	474.59
09:40	109.9	2.14	475.35
09:45	100.5	2.10	476.04
09:50	89.5	2.06	476.66
09:55	76.5	2.01	477.18
10:00	62.2	1.96	477.61
10:05	46.6	1.90	477.93
10:10	28.7	1.82	478.13
10:15	12.7	1.74	478.22
10:20	3.6	1.63	478.24
10:25	1.2	1.51	478.25
10:30	0.5	1.38	478.26
10:35	0.3	1.23	478.26

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.021	0.011	0.011	16.9	0.12
00:10	0.021	0.011	0.011	52.0	0.47
00:15	0.021	0.011	0.011	84.2	1.05
00:20	0.021	0.011	0.011	98.8	1.73
00:25	0.025	0.011	0.014	113.4	2.52
00:30	0.025	0.011	0.014	130.0	3.41
00:35	0.025	0.011	0.014	144.6	4.41
00:40	0.025	0.011	0.014	153.7	5.47
00:45	0.025	0.011	0.014	158.8	6.56
00:50	0.025	0.011	0.014	161.8	7.67
00:55	0.028	0.011	0.017	170.1	8.85
01:00	0.028	0.011	0.017	184.4	10.12
01:05	0.028	0.011	0.017	197.1	11.47
01:10	0.028	0.011	0.017	203.6	12.87
01:15	0.028	0.011	0.017	208.3	14.31
01:20	0.028	0.011	0.017	211.8	15.77
01:25	0.028	0.011	0.017	215.0	17.25
01:30	0.028	0.011	0.017	218.1	18.75
01:35	0.028	0.011	0.017	220.5	20.27
01:40	0.028	0.011	0.017	221.9	21.80
01:45	0.028	0.011	0.017	222.7	23.33
01:50	0.028	0.011	0.017	223.4	24.87
01:55	0.032	0.011	0.021	229.9	26.45
02:00	0.028	0.011	0.017	236.5	28.08
02:05	0.032	0.011	0.021	241.6	29.75
02:10	0.032	0.011	0.021	247.9	31.45
02:15	0.032	0.011	0.021	257.2	33.22
02:20	0.032	0.011	0.021	261.4	35.02
02:25	0.032	0.011	0.021	264.5	36.85
02:30	0.032	0.011	0.021	266.6	38.68
02:35	0.032	0.011	0.021	267.3	40.52
02:40	0.035	0.011	0.024	274.2	42.41
02:45	0.035	0.011	0.024	286.6	44.39
02:50	0.035	0.011	0.024	297.7	46.44
02:55	0.035	0.011	0.024	303.0	48.52
03:00	0.035	0.011	0.024	306.6	50.63
03:05	0.039	0.011	0.028	314.5	52.80
03:10	0.039	0.011	0.028	328.2	55.06
03:15	0.039	0.011	0.028	340.8	57.41
03:20	0.042	0.011	0.031	352.5	59.84
03:25	0.046	0.011	0.035	373.7	62.41
03:30	0.049	0.011	0.038	404.4	65.19
03:35	0.049	0.011	0.038	433.8	68.18
03:40	0.053	0.011	0.042	460.3	71.35
03:45	0.053	0.011	0.042	483.1	74.68
03:50	0.056	0.011	0.045	506.8	78.17
03:55	0.056	0.011	0.045	529.2	81.81
04:00	0.060	0.011	0.049	553.3	85.62
04:05	0.063	0.011	0.052	580.9	89.63
04:10	0.067	0.011	0.056	616.0	93.87
04:15	0.070	0.011	0.059	654.2	98.37
04:20	0.074	0.011	0.063	694.2	103.15
04:25	0.074	0.011	0.063	730.1	108.18
04:30	0.077	0.011	0.066	760.7	113.42
04:35	0.081	0.011	0.070	793.5	118.89
04:40	0.084	0.011	0.073	832.6	124.62
04:45	0.084	0.011	0.073	868.1	130.60
04:50	0.088	0.011	0.077	899.1	136.79
04:55	0.091	0.011	0.080	931.7	143.21
05:00	0.109	0.011	0.098	992.7	150.04
05:05	0.126	0.011	0.115	1103.0	157.64
05:10	0.137	0.011	0.126	1246.7	166.23
05:15	0.147	0.011	0.136	1387.1	175.78
05:20	0.165	0.011	0.154	1530.0	186.32
05:25	0.196	0.011	0.185	1717.8	198.15

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.067	0.011	0.056	1714.6	209.96
05:35	0.032	0.011	0.021	1381.9	219.47
05:40	0.021	0.011	0.011	935.8	225.92
05:45	0.018	0.009	0.009	666.0	230.51
05:50	0.011	0.005	0.005	498.1	233.94
05:55	0.007	0.004	0.004	392.3	236.64
06:00	0.000	0.000	0.000	308.8	238.76
06:05	0.000	0.000	0.000	224.9	240.31
06:10	0.000	0.000	0.000	174.9	241.52
06:15	0.000	0.000	0.000	152.1	242.57
06:20	0.000	0.000	0.000	137.5	243.51
06:25	0.000	0.000	0.000	125.3	244.38
06:30	0.000	0.000	0.000	114.1	245.16
06:35	0.000	0.000	0.000	102.3	245.87
06:40	0.000	0.000	0.000	89.5	246.48
06:45	0.000	0.000	0.000	75.3	247.00
06:50	0.000	0.000	0.000	59.9	247.41
06:55	0.000	0.000	0.000	42.9	247.71
07:00	0.000	0.000	0.000	22.9	247.87
07:05	0.000	0.000	0.000	8.9	247.93
07:10	0.000	0.000	0.000	4.5	247.96
07:15	0.000	0.000	0.000	2.7	247.98
07:20	0.000	0.000	0.000	1.5	247.99
07:25	0.000	0.000	0.000	0.7	247.99
07:30	0.000	0.000	0.000	0.2	247.99
07:35	0.000	0.000	0.000	0.0	247.99
07:40	0.000	0.000	0.000	0.0	247.99
07:45	0.000	0.000	0.000	0.0	247.99
07:50	0.000	0.000	0.000	0.0	247.99
07:55	0.000	0.000	0.000	0.0	247.99
08:00	0.000	0.000	0.000	0.0	247.99
08:05	0.000	0.000	0.000	0.0	247.99
08:10	0.000	0.000	0.000	0.0	247.99
08:15	0.000	0.000	0.000	0.0	247.99
08:20	0.000	0.000	0.000	0.0	247.99
08:25	0.000	0.000	0.000	0.0	247.99
08:30	0.000	0.000	0.000	0.0	247.99
08:35	0.000	0.000	0.000	0.0	247.99
08:40	0.000	0.000	0.000	0.0	247.99
08:45	0.000	0.000	0.000	0.0	247.99
08:50	0.000	0.000	0.000	0.0	247.99
08:55	0.000	0.000	0.000	0.0	247.99
09:00	0.000	0.000	0.000	0.0	247.99
09:05	0.000	0.000	0.000	0.0	247.99
09:10	0.000	0.000	0.000	0.0	247.99
09:15	0.000	0.000	0.000	0.0	247.99
09:20	0.000	0.000	0.000	0.0	247.99
09:25	0.000	0.000	0.000	0.0	247.99
09:30	0.000	0.000	0.000	0.0	247.99
09:35	0.000	0.000	0.000	0.0	247.99
09:40	0.000	0.000	0.000	0.0	247.99
09:45	0.000	0.000	0.000	0.0	247.99
09:50	0.000	0.000	0.000	0.0	247.99
09:55	0.000	0.000	0.000	0.0	247.99
10:00	0.000	0.000	0.000	0.0	247.99
10:05	0.000	0.000	0.000	0.0	247.99
10:10	0.000	0.000	0.000	0.0	247.99
10:15	0.000	0.000	0.000	0.0	247.99
10:20	0.000	0.000	0.000	0.0	247.99
10:25	0.000	0.000	0.000	0.0	247.99
10:30	0.000	0.000	0.000	0.0	247.99
10:35	0.000	0.000	0.000	0.0	247.99

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	16.9	2.61	0.12
00:10	52.0	8.07	0.47
00:15	84.2	10.25	1.05
00:20	98.8	11.18	1.73
00:25	113.4	11.84	2.52
00:30	130.0	12.51	3.41
00:35	144.6	13.09	4.41
00:40	153.7	13.45	5.47
00:45	158.8	13.65	6.56
00:50	161.8	13.76	7.67
00:55	170.1	14.02	8.85
01:00	184.4	14.45	10.12
01:05	197.1	14.86	11.47
01:10	203.6	15.08	12.87
01:15	208.3	15.23	14.31
01:20	211.8	15.34	15.77
01:25	215.0	15.43	17.25
01:30	218.1	15.52	18.75
01:35	220.5	15.59	20.27
01:40	221.9	15.63	21.80
01:45	222.7	15.66	23.33
01:50	223.4	15.68	24.87
01:55	229.9	15.84	26.45
02:00	236.5	16.02	28.08
02:05	241.6	16.16	29.75
02:10	247.9	16.32	31.45
02:15	257.2	16.56	33.22
02:20	261.4	16.68	35.02
02:25	264.5	16.76	36.85
02:30	266.6	16.82	38.68
02:35	267.3	16.84	40.52
02:40	274.2	17.00	42.41
02:45	286.6	17.28	44.39
02:50	297.7	17.56	46.44
02:55	303.0	17.70	48.52
03:00	306.6	17.79	50.63
03:05	314.5	17.96	52.80
03:10	328.2	18.25	55.06
03:15	340.8	18.53	57.41
03:20	352.5	18.79	59.84
03:25	373.7	19.21	62.41
03:30	404.4	19.81	65.19
03:35	433.8	20.39	68.18
03:40	460.3	20.89	71.35
03:45	483.1	21.30	74.68
03:50	506.8	21.72	78.17
03:55	529.2	22.10	81.81
04:00	553.3	22.50	85.62
04:05	580.9	22.94	89.63
04:10	616.0	23.47	93.87
04:15	654.2	24.05	98.37
04:20	694.2	24.63	103.15
04:25	730.1	25.14	108.18
04:30	760.7	25.56	113.42
04:35	793.5	26.00	118.89
04:40	832.6	26.50	124.62
04:45	868.1	26.95	130.60
04:50	899.1	27.34	136.79
04:55	931.7	27.73	143.21
05:00	992.7	28.42	150.04
05:05	1103.0	29.61	157.64
05:10	1246.7	31.09	166.23
05:15	1387.1	32.46	175.78
05:20	1530.0	33.77	186.32
05:25	1717.8	35.36	198.15

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1714.6	35.43	209.96
05:35	1381.9	32.71	219.47
05:40	935.8	28.22	225.92
05:45	666.0	24.62	230.51
05:50	498.1	21.90	233.94
05:55	392.3	19.87	236.64
06:00	308.8	18.08	238.76
06:05	224.9	16.04	240.31
06:10	174.9	14.46	241.52
06:15	152.1	13.58	242.57
06:20	137.5	13.01	243.51
06:25	125.3	12.53	244.38
06:30	114.1	12.07	245.16
06:35	102.3	11.57	245.87
06:40	89.5	11.00	246.48
06:45	75.3	10.31	247.00
06:50	59.9	9.48	247.41
06:55	42.9	8.43	247.71
07:00	22.9	6.94	247.87
07:05	8.9	5.27	247.93
07:10	4.5	3.91	247.96
07:15	2.7	3.12	247.98
07:20	1.5	2.59	247.99
07:25	0.7	2.15	247.99
07:30	0.2	1.72	247.99
07:35	0.0	1.34	247.99
07:40	0.0	1.01	247.99
07:45	0.0	0.77	247.99
07:50	0.0	0.61	247.99
07:55	0.0	0.50	247.99
08:00	0.0	0.42	247.99
08:05	0.0	0.37	247.99
08:10	0.0	0.32	247.99
08:15	0.0	0.29	247.99
08:20	0.0	0.26	247.99
08:25	0.0	0.24	247.99
08:30	0.0	0.22	247.99
08:35	0.0	0.21	247.99
08:40	0.0	0.19	247.99
08:45	0.0	0.18	247.99
08:50	0.0	0.17	247.99
08:55	0.0	0.16	247.99
09:00	0.0	0.15	247.99
09:05	0.0	0.14	247.99
09:10	0.0	0.14	247.99
09:15	0.0	0.13	247.99
09:20	0.0	0.12	247.99
09:25	0.0	0.12	247.99
09:30	0.0	0.12	247.99
09:35	0.0	0.11	247.99
09:40	0.0	0.10	247.99
09:45	0.0	0.10	247.99
09:50	0.0	0.10	247.99
09:55	0.0	0.10	247.99
10:00	0.0	0.09	247.99
10:05	0.0	0.09	247.99
10:10	0.0	0.09	247.99
10:15	0.0	0.08	247.99
10:20	0.0	0.08	247.99
10:25	0.0	0.08	247.99
10:30	0.0	0.08	247.99
10:35	0.0	0.08	247.99

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	2.5	0.00	0.02
00:10	42.5	0.00	0.31
00:15	77.3	0.20	0.84
00:20	96.0	1.22	1.50
00:25	110.7	3.36	2.27
00:30	127.1	4.35	3.14
00:35	142.1	4.63	4.12
00:40	152.2	4.85	5.17
00:45	157.9	5.02	6.26
00:50	161.3	5.11	7.37
00:55	168.8	5.17	8.53
01:00	182.2	5.22	9.78
01:05	195.2	5.33	11.13
01:10	202.6	5.46	12.52
01:15	207.6	5.56	13.95
01:20	211.3	5.61	15.41
01:25	214.5	5.65	16.89
01:30	217.7	5.68	18.38
01:35	220.1	5.71	19.90
01:40	221.7	5.74	21.43
01:45	222.5	5.75	22.96
01:50	223.3	5.76	24.50
01:55	229.0	5.77	26.08
02:00	235.6	5.80	27.70
02:05	240.9	5.85	29.36
02:10	247.0	5.90	31.06
02:15	256.0	5.95	32.82
02:20	260.8	6.01	34.62
02:25	264.1	6.06	36.44
02:30	266.3	6.09	38.27
02:35	267.2	6.11	40.11
02:40	273.3	6.12	41.99
02:45	285.0	6.15	43.96
02:50	296.3	6.23	46.00
02:55	302.4	6.31	48.08
03:00	306.1	6.36	50.19
03:05	313.6	6.39	52.35
03:10	326.5	6.44	54.60
03:15	339.3	6.52	56.93
03:20	351.1	6.60	59.35
03:25	371.3	6.68	61.91
03:30	400.9	6.80	64.67
03:35	430.6	6.97	67.63
03:40	457.5	7.14	70.78
03:45	480.7	7.29	74.10
03:50	504.4	7.41	77.57
03:55	527.0	7.53	81.20
04:00	550.9	7.65	84.99
04:05	578.3	7.76	88.98
04:10	612.7	7.89	93.19
04:15	650.7	8.04	97.68
04:20	690.6	8.20	102.43
04:25	726.9	8.37	107.44
04:30	758.1	8.51	112.66
04:35	790.7	8.63	118.11
04:40	829.4	8.75	123.82
04:45	865.2	8.89	129.78
04:50	896.6	9.02	135.95
04:55	929.1	9.12	142.35
05:00	988.0	9.24	149.15
05:05	1094.8	9.46	156.69
05:10	1236.5	9.80	165.21
05:15	1377.6	10.20	174.70
05:20	1520.7	10.58	185.17
05:25	1705.9	10.95	196.92

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1714.5	11.26	208.73
05:35	1404.4	11.11	218.40
05:40	970.9	10.34	225.09
05:45	690.3	9.25	229.84
05:50	515.1	8.36	233.39
05:55	404.1	7.66	236.17
06:00	319.0	7.10	238.37
06:05	236.4	6.62	240.00
06:10	182.5	6.09	241.25
06:15	155.8	5.62	242.33
06:20	140.0	5.28	243.29
06:25	127.5	5.06	244.17
06:30	116.1	4.90	244.97
06:35	104.6	4.76	245.69
06:40	92.1	4.62	246.32
06:45	78.4	4.47	246.86
06:50	63.5	4.29	247.30
06:55	47.3	4.08	247.63
07:00	29.2	3.84	247.83
07:05	14.6	3.56	247.93
07:10	6.9	3.21	247.97
07:15	3.9	2.83	248.00
07:20	2.5	2.48	248.02
07:25	1.5	2.19	248.03
07:30	0.9	1.94	248.04
07:35	0.5	1.74	248.04
07:40	0.2	1.59	248.04
07:45	0.1	1.45	248.04
07:50	0.1	1.34	248.04
07:55	0.0	1.22	248.04
08:00	0.0	1.14	248.04
08:05	0.0	1.04	248.04
08:10	0.0	0.98	248.04
08:15	0.0	0.90	248.04
08:20	0.0	0.84	248.04
08:25	0.0	0.80	248.04
08:30	0.0	0.74	248.04
08:35	0.0	0.70	248.04
08:40	0.0	0.67	248.04
08:45	0.0	0.63	248.04
08:50	0.0	0.60	248.04
08:55	0.0	0.57	248.04
09:00	0.0	0.55	248.04
09:05	0.0	0.53	248.04
09:10	0.0	0.50	248.04
09:15	0.0	0.48	248.04
09:20	0.0	0.46	248.04
09:25	0.0	0.45	248.04
09:30	0.0	0.43	248.04
09:35	0.0	0.42	248.04
09:40	0.0	0.40	248.04
09:45	0.0	0.38	248.04
09:50	0.0	0.37	248.04
09:55	0.0	0.37	248.04
10:00	0.0	0.36	248.04
10:05	0.0	0.35	248.04
10:10	0.0	0.34	248.04
10:15	0.0	0.33	248.04
10:20	0.0	0.31	248.04
10:25	0.0	0.31	248.04
10:30	0.0	0.30	248.04
10:35	0.0	0.29	248.04

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	2.0	0.01
00:25	43.0	0.31
00:30	94.3	0.96
00:35	114.2	1.75
00:40	131.7	2.65
00:45	145.8	3.66
00:50	154.4	4.72
00:55	159.4	5.82
01:00	164.8	6.95
01:05	176.4	8.17
01:10	192.6	9.49
01:15	208.8	10.93
01:20	223.3	12.47
01:25	236.6	14.10
01:30	247.3	15.80
01:35	255.1	17.56
01:40	261.1	19.36
01:45	265.1	21.18
01:50	267.6	23.03
01:55	269.8	24.88
02:00	274.7	26.78
02:05	281.9	28.72
02:10	288.7	30.71
02:15	295.3	32.74
02:20	303.9	34.83
02:25	310.9	36.97
02:30	315.4	39.15
02:35	318.5	41.34
02:40	320.6	43.55
02:45	325.3	45.79
02:50	335.6	48.10
02:55	348.1	50.50
03:00	360.5	52.98
03:05	378.4	55.59
03:10	408.8	58.40
03:15	455.5	61.54
03:20	514.9	65.08
03:25	580.2	69.08
03:30	643.7	73.51
03:35	703.9	78.36
03:40	766.8	83.64
03:45	830.2	89.36
03:50	892.7	95.51
03:55	971.7	102.20
04:00	1063.6	109.53
04:05	1170.9	117.59
04:10	1283.6	126.43
04:15	1398.5	136.06
04:20	1530.5	146.60
04:25	1652.0	157.98
04:30	1773.3	170.19
04:35	1894.1	183.24
04:40	2021.8	197.16
04:45	2163.9	212.06
04:50	2301.9	227.92
04:55	2438.0	244.71
05:00	2574.8	262.44
05:05	2751.5	281.39
05:10	2979.4	301.91
05:15	3270.3	324.43
05:20	3597.0	349.21
05:25	3957.7	376.46

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	4222.4	405.54
05:35	4174.8	434.29
05:40	3856.3	460.85
05:45	3478.7	484.81
05:50	3229.9	507.06
05:55	3068.8	528.19
06:00	2960.1	548.58
06:05	2863.7	568.30
06:10	2442.2	585.12
06:15	2003.2	598.91
06:20	1671.9	610.43
06:25	1437.7	620.33
06:30	1243.2	628.89
06:35	1088.4	636.39
06:40	983.2	643.16
06:45	893.2	649.31
06:50	795.4	654.79
06:55	696.6	659.59
07:00	623.8	663.88
07:05	578.7	667.87
07:10	538.9	671.58
07:15	499.2	675.02
07:20	457.8	678.17
07:25	416.1	681.04
07:30	373.3	683.61
07:35	327.0	685.86
07:40	274.9	687.75
07:45	240.1	689.41
07:50	223.6	690.95
07:55	217.9	692.45
08:00	215.5	693.93
08:05	213.5	695.40
08:10	211.7	696.86
08:15	210.0	698.31
08:20	208.2	699.74
08:25	206.0	701.16
08:30	203.2	702.56
08:35	200.2	703.94
08:40	196.8	705.29
08:45	192.9	706.62
08:50	188.8	707.92
08:55	184.8	709.19
09:00	180.6	710.44
09:05	176.1	711.65
09:10	170.9	712.83
09:15	165.6	713.97
09:20	159.8	715.07
09:25	153.6	716.13
09:30	147.2	717.14
09:35	140.7	718.11
09:40	133.8	719.03
09:45	126.6	719.90
09:50	119.1	720.72
09:55	111.2	721.49
10:00	102.7	722.20
10:05	93.1	722.84
10:10	82.4	723.40
10:15	70.9	723.89
10:20	58.9	724.30
10:25	46.7	724.62
10:30	35.4	724.86
10:35	24.9	725.04

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.0	0.00	0.00
00:20	2.0	0.00	0.01
00:25	43.0	0.04	0.31
00:30	94.3	1.76	0.96
00:35	114.2	5.67	1.75
00:40	131.7	6.56	2.65
00:45	145.8	6.89	3.66
00:50	154.4	7.13	4.72
00:55	159.4	7.27	5.82
01:00	164.8	7.35	6.95
01:05	176.4	7.44	8.17
01:10	192.6	7.62	9.49
01:15	208.8	7.84	10.93
01:20	223.3	8.05	12.47
01:25	236.6	8.23	14.10
01:30	247.3	8.39	15.80
01:35	255.1	8.50	17.56
01:40	261.1	8.59	19.36
01:45	265.1	8.65	21.18
01:50	267.6	8.69	23.03
01:55	269.8	8.72	24.88
02:00	274.7	8.75	26.78
02:05	281.9	8.80	28.72
02:10	288.7	8.88	30.71
02:15	295.3	8.95	32.74
02:20	303.9	9.02	34.83
02:25	310.9	9.10	36.97
02:30	315.4	9.16	39.15
02:35	318.5	9.20	41.34
02:40	320.6	9.23	43.55
02:45	325.3	9.26	45.79
02:50	335.6	9.31	48.10
02:55	348.1	9.41	50.50
03:00	360.5	9.53	52.98
03:05	378.4	9.65	55.59
03:10	408.8	9.84	58.40
03:15	455.5	10.13	61.54
03:20	514.9	10.52	65.08
03:25	580.2	10.96	69.08
03:30	643.7	11.39	73.51
03:35	703.9	11.77	78.36
03:40	766.8	12.12	83.64
03:45	830.2	12.46	89.36
03:50	892.7	12.78	95.51
03:55	971.7	13.12	102.20
04:00	1063.6	13.51	109.53
04:05	1170.9	13.93	117.59
04:10	1283.6	14.38	126.43
04:15	1398.5	14.81	136.06
04:20	1530.5	15.25	146.60
04:25	1652.0	15.67	157.98
04:30	1773.3	16.06	170.19
04:35	1894.1	16.43	183.24
04:40	2021.8	16.79	197.16
04:45	2163.9	17.16	212.06
04:50	2301.9	17.53	227.92
04:55	2438.0	17.88	244.71
05:00	2574.8	18.21	262.44
05:05	2751.5	18.59	281.39
05:10	2979.4	19.06	301.91
05:15	3270.3	19.63	324.43
05:20	3597.0	20.25	349.21
05:25	3957.7	20.90	376.46

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	4222.4	21.43	405.54
05:35	4174.8	21.52	434.29
05:40	3856.3	21.13	460.85
05:45	3478.7	20.49	484.81
05:50	3229.9	19.93	507.06
05:55	3068.8	19.54	528.19
06:00	2960.1	19.28	548.58
06:05	2863.7	19.07	568.30
06:10	2442.2	18.40	585.12
06:15	2003.2	17.36	598.91
06:20	1671.9	16.34	610.43
06:25	1437.7	15.50	620.33
06:30	1243.2	14.78	628.89
06:35	1088.4	14.13	636.39
06:40	983.2	13.60	643.16
06:45	893.2	13.17	649.31
06:50	795.4	12.73	654.79
06:55	696.6	12.24	659.59
07:00	623.8	11.76	663.88
07:05	578.7	11.40	667.87
07:10	538.9	11.13	671.58
07:15	499.2	10.87	675.02
07:20	457.8	10.59	678.17
07:25	416.1	10.29	681.04
07:30	373.3	9.97	683.61
07:35	327.0	9.61	685.86
07:40	274.9	9.19	687.75
07:45	240.1	8.72	689.41
07:50	223.6	8.38	690.95
07:55	217.9	8.20	692.45
08:00	215.5	8.14	693.93
08:05	213.5	8.11	695.40
08:10	211.7	8.09	696.86
08:15	210.0	8.06	698.31
08:20	208.2	8.04	699.74
08:25	206.0	8.02	701.16
08:30	203.2	7.99	702.56
08:35	200.2	7.95	703.94
08:40	196.8	7.92	705.29
08:45	192.9	7.87	706.62
08:50	188.8	7.82	707.92
08:55	184.8	7.76	709.19
09:00	180.6	7.71	710.44
09:05	176.1	7.65	711.65
09:10	170.9	7.59	712.83
09:15	165.6	7.51	713.97
09:20	159.8	7.44	715.07
09:25	153.6	7.35	716.13
09:30	147.2	7.26	717.14
09:35	140.7	7.16	718.11
09:40	133.8	7.05	719.03
09:45	126.6	6.94	719.90
09:50	119.1	6.82	720.72
09:55	111.2	6.68	721.49
10:00	102.7	6.54	722.20
10:05	93.1	6.38	722.84
10:10	82.4	6.18	723.40
10:15	70.9	5.96	723.89
10:20	58.9	5.70	724.30
10:25	46.7	5.40	724.62
10:30	35.4	5.06	724.86
10:35	24.9	4.69	725.04

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.1	0.00
00:15	0.5	0.00
00:20	1.0	0.01
00:25	1.7	0.02
00:30	2.4	0.04
00:35	3.1	0.06
00:40	3.9	0.09
00:45	4.7	0.12
00:50	5.4	0.16
00:55	6.2	0.20
01:00	6.9	0.25
01:05	7.6	0.30
01:10	8.4	0.36
01:15	9.1	0.42
01:20	9.8	0.49
01:25	10.4	0.56
01:30	11.0	0.63
01:35	11.6	0.71
01:40	12.1	0.80
01:45	12.6	0.88
01:50	13.1	0.98
01:55	13.6	1.07
02:00	14.0	1.17
02:05	14.3	1.26
02:10	14.4	1.36
02:15	14.4	1.46
02:20	14.2	1.56
02:25	13.9	1.66
02:30	13.4	1.75
02:35	12.9	1.84
02:40	12.4	1.92
02:45	11.9	2.00
02:50	11.6	2.08
02:55	11.4	2.16
03:00	11.5	2.24
03:05	11.7	2.32
03:10	12.0	2.40
03:15	12.4	2.49
03:20	13.1	2.58
03:25	14.0	2.68
03:30	15.1	2.78
03:35	16.6	2.90
03:40	18.7	3.02
03:45	21.4	3.17
03:50	24.5	3.34
03:55	27.0	3.53
04:00	28.6	3.72
04:05	30.4	3.93
04:10	32.4	4.16
04:15	34.5	4.39
04:20	36.4	4.64
04:25	38.6	4.91
04:30	40.8	5.19
04:35	43.0	5.49
04:40	45.3	5.80
04:45	47.4	6.13
04:50	49.6	6.47
04:55	54.6	6.84
05:00	61.2	7.26
05:05	69.9	7.75
05:10	80.8	8.30
05:15	89.4	8.92
05:20	97.3	9.59
05:25	110.5	10.35
05:30	128.4	11.23

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
05:35	144.8	12.23
05:40	156.0	13.31
05:45	162.9	14.43
05:50	165.8	15.57
05:55	166.3	16.71
06:00	165.6	17.85
06:05	164.2	18.99
06:10	162.2	20.10
06:15	159.9	21.20
06:20	157.3	22.29
06:25	154.5	23.35
06:30	151.3	24.39
06:35	147.8	25.41
06:40	144.1	26.40
06:45	140.5	27.37
06:50	135.8	28.31
06:55	129.7	29.20
07:00	123.8	30.05
07:05	118.1	30.87
07:10	112.9	31.64
07:15	108.6	32.39
07:20	104.4	33.11
07:25	100.4	33.80
07:30	96.6	34.47
07:35	94.1	35.12
07:40	91.6	35.75
07:45	89.3	36.36
07:50	86.9	36.96
07:55	84.2	37.54
08:00	80.0	38.09
08:05	76.1	38.61
08:10	72.3	39.11
08:15	68.7	39.59
08:20	65.3	40.04
08:25	62.7	40.47
08:30	60.6	40.88
08:35	58.5	41.29
08:40	56.5	41.68
08:45	54.6	42.05
08:50	52.8	42.42
08:55	51.0	42.77
09:00	50.0	43.11
09:05	49.3	43.45
09:10	48.7	43.79
09:15	48.1	44.12
09:20	47.5	44.44
09:25	46.9	44.77
09:30	46.3	45.09
09:35	45.7	45.40
09:40	45.0	45.71
09:45	44.3	46.02
09:50	43.7	46.32
09:55	43.0	46.61
10:00	42.3	46.90
10:05	41.7	47.19
10:10	41.1	47.48
10:15	40.4	47.75
10:20	39.7	48.03
10:25	39.0	48.30
10:30	38.3	48.56
10:35	37.6	48.82

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.1	0.00	0.00
00:15	0.5	0.00	0.00
00:20	1.0	0.16	0.01
00:25	1.7	1.00	0.02
00:30	2.4	1.85	0.04
00:35	3.1	2.29	0.06
00:40	3.9	2.54	0.09
00:45	4.7	2.75	0.12
00:50	5.4	2.94	0.16
00:55	6.2	3.08	0.20
01:00	6.9	3.21	0.25
01:05	7.6	3.33	0.30
01:10	8.4	3.43	0.36
01:15	9.1	3.54	0.42
01:20	9.8	3.63	0.49
01:25	10.4	3.72	0.56
01:30	11.0	3.79	0.63
01:35	11.6	3.85	0.71
01:40	12.1	3.92	0.80
01:45	12.6	3.97	0.88
01:50	13.1	4.02	0.98
01:55	13.6	4.07	1.07
02:00	14.0	4.11	1.17
02:05	14.3	4.15	1.26
02:10	14.4	4.17	1.36
02:15	14.4	4.18	1.46
02:20	14.2	4.17	1.56
02:25	13.9	4.15	1.66
02:30	13.4	4.12	1.75
02:35	12.9	4.08	1.84
02:40	12.4	4.03	1.92
02:45	11.9	3.98	2.00
02:50	11.6	3.93	2.08
02:55	11.4	3.90	2.16
03:00	11.5	3.89	2.24
03:05	11.7	3.90	2.32
03:10	12.0	3.92	2.40
03:15	12.4	3.96	2.49
03:20	13.1	4.00	2.58
03:25	14.0	4.08	2.68
03:30	15.1	4.17	2.78
03:35	16.6	4.27	2.90
03:40	18.7	4.41	3.02
03:45	21.4	4.59	3.17
03:50	24.5	4.80	3.34
03:55	27.0	4.99	3.53
04:00	28.6	5.12	3.72
04:05	30.4	5.21	3.93
04:10	32.4	5.31	4.16
04:15	34.5	5.42	4.39
04:20	36.4	5.52	4.64
04:25	38.6	5.62	4.91
04:30	40.8	5.72	5.19
04:35	43.0	5.82	5.49
04:40	45.3	5.92	5.80
04:45	47.4	6.01	6.13
04:50	49.6	6.09	6.47
04:55	54.6	6.23	6.84
05:00	61.2	6.44	7.26
05:05	69.9	6.70	7.75
05:10	80.8	7.00	8.30
05:15	89.4	7.27	8.92
05:20	97.3	7.49	9.59
05:25	110.5	7.75	10.35

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	128.4	8.11	11.23
05:35	144.8	8.45	12.23
05:40	156.0	8.69	13.31
05:45	162.9	8.84	14.43
05:50	165.8	8.92	15.57
05:55	166.3	8.94	16.71
06:00	165.6	8.94	17.85
06:05	164.2	8.92	18.99
06:10	162.2	8.89	20.10
06:15	159.9	8.85	21.20
06:20	157.3	8.81	22.29
06:25	154.5	8.76	23.35
06:30	151.3	8.70	24.39
06:35	147.8	8.64	25.41
06:40	144.1	8.58	26.40
06:45	140.5	8.51	27.37
06:50	135.8	8.43	28.31
06:55	129.7	8.32	29.20
07:00	123.8	8.21	30.05
07:05	118.1	8.09	30.87
07:10	112.9	7.97	31.64
07:15	108.6	7.87	32.39
07:20	104.4	7.78	33.11
07:25	100.4	7.68	33.80
07:30	96.6	7.59	34.47
07:35	94.1	7.52	35.12
07:40	91.6	7.46	35.75
07:45	89.3	7.40	36.36
07:50	86.9	7.34	36.96
07:55	84.2	7.27	37.54
08:00	80.0	7.17	38.09
08:05	76.1	7.06	38.61
08:10	72.3	6.95	39.11
08:15	68.7	6.84	39.59
08:20	65.3	6.74	40.04
08:25	62.7	6.64	40.47
08:30	60.6	6.57	40.88
08:35	58.5	6.50	41.29
08:40	56.5	6.43	41.68
08:45	54.6	6.36	42.05
08:50	52.8	6.29	42.42
08:55	51.0	6.23	42.77
09:00	50.0	6.17	43.11
09:05	49.3	6.14	43.45
09:10	48.7	6.12	43.79
09:15	48.1	6.09	44.12
09:20	47.5	6.07	44.44
09:25	46.9	6.05	44.77
09:30	46.3	6.02	45.09
09:35	45.7	6.00	45.40
09:40	45.0	5.97	45.71
09:45	44.3	5.94	46.02
09:50	43.7	5.92	46.32
09:55	43.0	5.89	46.61
10:00	42.3	5.86	46.90
10:05	41.7	5.83	47.19
10:10	41.1	5.80	47.48
10:15	40.4	5.78	47.75
10:20	39.7	5.75	48.03
10:25	39.0	5.71	48.30
10:30	38.3	5.68	48.56
10:35	37.6	5.65	48.82

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	0.0	0.00
00:25	0.1	0.00
00:30	3.1	0.02
00:35	74.4	0.53
00:40	115.6	1.33
00:45	135.0	2.26
00:50	150.3	3.30
00:55	159.9	4.40
01:00	165.8	5.54
01:05	172.6	6.73
01:10	185.3	8.00
01:15	202.8	9.40
01:20	219.8	10.91
01:25	235.1	12.53
01:30	248.8	14.25
01:35	259.7	16.04
01:40	267.9	17.88
01:45	274.0	19.77
01:50	278.3	21.68
01:55	281.2	23.62
02:00	284.4	25.58
02:05	290.2	27.58
02:10	297.7	29.63
02:15	304.5	31.73
02:20	311.6	33.87
02:25	319.6	36.07
02:30	325.7	38.32
02:35	329.4	40.58
02:40	331.8	42.87
02:45	334.0	45.17
02:50	339.7	47.51
02:55	350.3	49.92
03:00	362.8	52.42
03:05	377.0	55.02
03:10	398.9	57.76
03:15	435.3	60.76
03:20	487.9	64.12
03:25	551.7	67.92
03:30	618.6	72.18
03:35	683.6	76.89
03:40	747.6	82.04
03:45	814.0	87.64
03:50	880.8	93.71
03:55	954.9	100.29
04:00	1043.5	107.47
04:05	1146.2	115.37
04:10	1259.8	124.04
04:15	1377.3	133.53
04:20	1505.1	143.90
04:25	1635.0	155.16
04:30	1759.9	167.28
04:35	1884.3	180.25
04:40	2012.5	194.11
04:45	2152.1	208.94
04:50	2295.1	224.74
04:55	2436.6	241.52
05:00	2580.0	259.29
05:05	2750.5	278.23
05:10	2971.3	298.70
05:15	3251.9	321.09
05:20	3577.8	345.73
05:25	3941.7	372.88

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	4257.0	402.20
05:35	4328.9	432.01
05:40	4114.2	460.35
05:45	3768.8	486.30
05:50	3482.5	510.29
05:55	3292.9	532.97
06:00	3165.6	554.77
06:05	3064.0	575.87
06:10	2766.6	594.92
06:15	2342.4	611.06
06:20	1972.0	624.64
06:25	1699.0	636.34
06:30	1487.8	646.58
06:35	1314.2	655.63
06:40	1182.9	663.78
06:45	1082.9	671.24
06:50	986.8	678.04
06:55	885.2	684.13
07:00	793.2	689.60
07:05	726.8	694.60
07:10	679.0	699.28
07:15	635.2	703.65
07:20	591.3	707.72
07:25	546.5	711.49
07:30	501.6	714.94
07:35	455.9	718.08
07:40	407.2	720.89
07:45	358.4	723.35
07:50	325.5	725.60
07:55	308.2	727.72
08:00	299.5	729.78
08:05	293.1	731.80
08:10	287.3	733.78
08:15	281.9	735.72
08:20	276.7	737.63
08:25	271.9	739.50
08:30	267.3	741.34
08:35	262.4	743.15
08:40	257.3	744.92
08:45	251.9	746.65
08:50	246.2	748.35
08:55	240.4	750.00
09:00	234.9	751.62
09:05	229.9	753.21
09:10	224.7	754.75
09:15	219.0	756.26
09:20	213.0	757.73
09:25	206.7	759.15
09:30	200.0	760.53
09:35	193.1	761.86
09:40	186.0	763.14
09:45	178.6	764.37
09:50	170.8	765.55
09:55	162.8	766.67
10:00	154.4	767.73
10:05	145.5	768.73
10:10	135.7	769.67
10:15	125.0	770.53
10:20	113.5	771.31
10:25	101.8	772.01
10:30	89.9	772.63
10:35	78.7	773.17

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.0	0.00	0.00
00:20	0.0	0.00	0.00
00:25	0.1	0.00	0.00
00:30	3.1	0.00	0.02
00:35	74.4	0.00	0.53
00:40	115.6	0.00	1.33
00:45	135.0	0.05	2.26
00:50	150.3	1.15	3.30
00:55	159.9	3.10	4.40
01:00	165.8	4.85	5.54
01:05	172.6	5.67	6.73
01:10	185.3	5.89	8.00
01:15	202.8	5.98	9.40
01:20	219.8	6.08	10.91
01:25	235.1	6.25	12.53
01:30	248.8	6.45	14.25
01:35	259.7	6.63	16.04
01:40	267.9	6.78	17.88
01:45	274.0	6.90	19.77
01:50	278.3	6.99	21.68
01:55	281.2	7.05	23.62
02:00	284.4	7.09	25.58
02:05	290.2	7.12	27.58
02:10	297.7	7.15	29.63
02:15	304.5	7.19	31.73
02:20	311.6	7.25	33.87
02:25	319.6	7.31	36.07
02:30	325.7	7.37	38.32
02:35	329.4	7.43	40.58
02:40	331.8	7.49	42.87
02:45	334.0	7.52	45.17
02:50	339.7	7.54	47.51
02:55	350.3	7.56	49.92
03:00	362.8	7.60	52.42
03:05	377.0	7.67	55.02
03:10	398.9	7.76	57.76
03:15	435.3	7.87	60.76
03:20	487.9	8.03	64.12
03:25	551.7	8.28	67.92
03:30	618.6	8.63	72.18
03:35	683.6	9.02	76.89
03:40	747.6	9.40	82.04
03:45	814.0	9.73	87.64
03:50	880.8	10.05	93.71
03:55	954.9	10.35	100.29
04:00	1043.5	10.64	107.47
04:05	1146.2	10.97	115.37
04:10	1259.8	11.33	124.04
04:15	1377.3	11.71	133.53
04:20	1505.1	12.11	143.90
04:25	1635.0	12.49	155.16
04:30	1759.9	12.87	167.28
04:35	1884.3	13.22	180.25
04:40	2012.5	13.55	194.11
04:45	2152.1	13.86	208.94
04:50	2295.1	14.19	224.74
04:55	2436.6	14.52	241.52
05:00	2580.0	14.82	259.29
05:05	2750.5	15.12	278.23
05:10	2971.3	15.46	298.70
05:15	3251.9	15.89	321.09
05:20	3577.8	16.39	345.73
05:25	3941.7	16.95	372.88

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	4257.0	17.52	402.20
05:35	4328.9	17.95	432.01
05:40	4114.2	18.02	460.35
05:45	3768.8	17.72	486.30
05:50	3482.5	17.23	510.29
05:55	3292.9	16.79	532.97
06:00	3165.6	16.47	554.77
06:05	3064.0	16.25	575.87
06:10	2766.6	16.05	594.92
06:15	2342.4	15.54	611.06
06:20	1972.0	14.77	624.64
06:25	1699.0	13.99	636.34
06:30	1487.8	13.32	646.58
06:35	1314.2	12.74	655.63
06:40	1182.9	12.23	663.78
06:45	1082.9	11.80	671.24
06:50	986.8	11.44	678.04
06:55	885.2	11.10	684.13
07:00	793.2	10.75	689.60
07:05	726.8	10.38	694.60
07:10	679.0	10.05	699.28
07:15	635.2	9.78	703.65
07:20	591.3	9.57	707.72
07:25	546.5	9.36	711.49
07:30	501.6	9.14	714.94
07:35	455.9	8.90	718.08
07:40	407.2	8.66	720.89
07:45	358.4	8.39	723.35
07:50	325.5	8.10	725.60
07:55	308.2	7.80	727.72
08:00	299.5	7.55	729.78
08:05	293.1	7.40	731.80
08:10	287.3	7.31	733.78
08:15	281.9	7.25	735.72
08:20	276.7	7.20	737.63
08:25	271.9	7.15	739.50
08:30	267.3	7.11	741.34
08:35	262.4	7.07	743.15
08:40	257.3	7.03	744.92
08:45	251.9	6.98	746.65
08:50	246.2	6.94	748.35
08:55	240.4	6.89	750.00
09:00	234.9	6.84	751.62
09:05	229.9	6.79	753.21
09:10	224.7	6.73	754.75
09:15	219.0	6.68	756.26
09:20	213.0	6.64	757.73
09:25	206.7	6.58	759.15
09:30	200.0	6.52	760.53
09:35	193.1	6.46	761.86
09:40	186.0	6.40	763.14
09:45	178.6	6.32	764.37
09:50	170.8	6.25	765.55
09:55	162.8	6.17	766.67
10:00	154.4	6.09	767.73
10:05	145.5	6.00	768.73
10:10	135.7	5.90	769.67
10:15	125.0	5.80	770.53
10:20	113.5	5.69	771.31
10:25	101.8	5.56	772.01
10:30	89.9	5.42	772.63
10:35	78.7	5.26	773.17

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.4	0.00
00:10	0.019	0.019	0.001	1.0	0.01
00:15	0.019	0.019	0.001	2.0	0.02
00:20	0.019	0.019	0.001	3.2	0.05
00:25	0.019	0.019	0.001	4.4	0.08
00:30	0.022	0.022	0.001	5.3	0.11
00:35	0.022	0.022	0.001	6.0	0.15
00:40	0.022	0.022	0.001	6.5	0.20
00:45	0.022	0.022	0.001	7.0	0.25
00:50	0.022	0.022	0.001	7.5	0.30
00:55	0.022	0.022	0.001	7.8	0.35
01:00	0.026	0.025	0.001	8.2	0.41
01:05	0.026	0.025	0.001	8.5	0.47
01:10	0.026	0.025	0.001	8.8	0.53
01:15	0.026	0.025	0.001	9.2	0.59
01:20	0.026	0.025	0.001	9.6	0.66
01:25	0.026	0.025	0.001	9.8	0.72
01:30	0.026	0.025	0.001	10.0	0.79
01:35	0.026	0.025	0.001	10.1	0.86
01:40	0.026	0.025	0.001	10.2	0.93
01:45	0.026	0.025	0.001	10.3	1.00
01:50	0.026	0.025	0.001	10.4	1.08
01:55	0.026	0.025	0.001	10.5	1.15
02:00	0.029	0.025	0.004	13.1	1.24
02:05	0.026	0.025	0.001	13.9	1.33
02:10	0.029	0.025	0.004	18.5	1.46
02:15	0.029	0.025	0.004	23.3	1.62
02:20	0.029	0.025	0.004	27.6	1.81
02:25	0.029	0.025	0.004	32.6	2.04
02:30	0.029	0.025	0.004	37.2	2.29
02:35	0.029	0.025	0.004	40.3	2.57
02:40	0.029	0.025	0.004	42.8	2.87
02:45	0.032	0.025	0.007	47.4	3.19
02:50	0.032	0.025	0.007	51.8	3.55
02:55	0.032	0.025	0.007	59.0	3.95
03:00	0.032	0.025	0.007	67.1	4.42
03:05	0.032	0.025	0.007	74.2	4.93
03:10	0.035	0.025	0.010	81.9	5.49
03:15	0.035	0.025	0.010	89.1	6.11
03:20	0.035	0.025	0.010	97.0	6.77
03:25	0.038	0.025	0.013	109.3	7.53
03:30	0.042	0.025	0.017	123.7	8.38
03:35	0.045	0.025	0.020	141.0	9.35
03:40	0.045	0.025	0.020	161.3	10.46
03:45	0.048	0.025	0.023	186.2	11.74
03:50	0.048	0.025	0.023	210.1	13.19
03:55	0.051	0.025	0.026	234.6	14.81
04:00	0.051	0.025	0.026	256.3	16.57
04:05	0.054	0.025	0.029	278.7	18.49
04:10	0.058	0.025	0.033	303.0	20.58
04:15	0.061	0.025	0.036	329.5	22.85
04:20	0.064	0.025	0.039	359.6	25.32
04:25	0.067	0.025	0.042	393.2	28.03
04:30	0.067	0.025	0.042	426.9	30.97
04:35	0.070	0.025	0.045	461.5	34.15
04:40	0.074	0.025	0.049	495.9	37.56
04:45	0.077	0.025	0.052	529.0	41.21
04:50	0.077	0.025	0.052	561.3	45.07
04:55	0.080	0.025	0.055	595.3	49.17
05:00	0.083	0.025	0.058	629.2	53.51
05:05	0.099	0.025	0.074	673.5	58.14
05:10	0.115	0.025	0.090	734.1	63.20
05:15	0.125	0.025	0.100	814.0	68.81
05:20	0.134	0.025	0.109	918.5	75.13
05:25	0.150	0.025	0.125	1043.5	82.32

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.025	0.154	1189.4	90.51
05:35	0.061	0.025	0.036	1233.9	99.01
05:40	0.029	0.025	0.004	1227.9	107.46
05:45	0.019	0.019	0.001	1125.0	115.21
05:50	0.016	0.016	0.000	912.1	121.49
05:55	0.010	0.009	0.000	685.7	126.22
06:00	0.006	0.006	0.000	518.9	129.79
06:05	0.000	0.000	0.000	408.9	132.61
06:10	0.000	0.000	0.000	342.9	134.97
06:15	0.000	0.000	0.000	294.2	136.99
06:20	0.000	0.000	0.000	241.5	138.66
06:25	0.000	0.000	0.000	213.4	140.13
06:30	0.000	0.000	0.000	193.5	141.46
06:35	0.000	0.000	0.000	173.3	142.65
06:40	0.000	0.000	0.000	151.2	143.69
06:45	0.000	0.000	0.000	125.8	144.56
06:50	0.000	0.000	0.000	97.5	145.23
06:55	0.000	0.000	0.000	89.7	145.85
07:00	0.000	0.000	0.000	87.4	146.45
07:05	0.000	0.000	0.000	85.4	147.04
07:10	0.000	0.000	0.000	83.4	147.62
07:15	0.000	0.000	0.000	81.2	148.17
07:20	0.000	0.000	0.000	78.8	148.72
07:25	0.000	0.000	0.000	76.2	149.24
07:30	0.000	0.000	0.000	73.4	149.75
07:35	0.000	0.000	0.000	70.5	150.23
07:40	0.000	0.000	0.000	67.5	150.70
07:45	0.000	0.000	0.000	64.3	151.14
07:50	0.000	0.000	0.000	60.8	151.56
07:55	0.000	0.000	0.000	57.2	151.95
08:00	0.000	0.000	0.000	53.5	152.32
08:05	0.000	0.000	0.000	49.6	152.66
08:10	0.000	0.000	0.000	45.0	152.97
08:15	0.000	0.000	0.000	39.3	153.24
08:20	0.000	0.000	0.000	32.7	153.47
08:25	0.000	0.000	0.000	25.4	153.64
08:30	0.000	0.000	0.000	17.3	153.76
08:35	0.000	0.000	0.000	7.5	153.81
08:40	0.000	0.000	0.000	1.4	153.82
08:45	0.000	0.000	0.000	0.2	153.83
08:50	0.000	0.000	0.000	0.1	153.83
08:55	0.000	0.000	0.000	0.0	153.83
09:00	0.000	0.000	0.000	0.0	153.83
09:05	0.000	0.000	0.000	0.0	153.83
09:10	0.000	0.000	0.000	0.0	153.83
09:15	0.000	0.000	0.000	0.0	153.83
09:20	0.000	0.000	0.000	0.0	153.83
09:25	0.000	0.000	0.000	0.0	153.83
09:30	0.000	0.000	0.000	0.0	153.83
09:35	0.000	0.000	0.000	0.0	153.83
09:40	0.000	0.000	0.000	0.0	153.83
09:45	0.000	0.000	0.000	0.0	153.83
09:50	0.000	0.000	0.000	0.0	153.83
09:55	0.000	0.000	0.000	0.0	153.83
10:00	0.000	0.000	0.000	0.0	153.83
10:05	0.000	0.000	0.000	0.0	153.83
10:10	0.000	0.000	0.000	0.0	153.83
10:15	0.000	0.000	0.000	0.0	153.83
10:20	0.000	0.000	0.000	0.0	153.83
10:25	0.000	0.000	0.000	0.0	153.83
10:30	0.000	0.000	0.000	0.0	153.83
10:35	0.000	0.000	0.000	0.0	153.83

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.4	0.00
00:10	1.0	0.01
00:15	2.0	0.02
00:20	3.2	0.05
00:25	4.4	0.08
00:30	5.3	0.11
00:35	6.0	0.15
00:40	6.5	0.20
00:45	7.0	0.25
00:50	8.8	0.31
00:55	32.1	0.53
01:00	98.3	1.21
01:05	151.3	2.25
01:10	168.9	3.41
01:15	176.5	4.63
01:20	185.7	5.90
01:25	200.9	7.29
01:30	219.6	8.80
01:35	237.0	10.43
01:40	252.3	12.17
01:45	265.4	14.00
01:50	275.1	15.89
01:55	282.1	17.84
02:00	289.8	19.83
02:05	294.1	21.86
02:10	301.8	23.94
02:15	311.7	26.08
02:20	323.1	28.31
02:25	335.2	30.62
02:30	346.9	33.01
02:35	357.8	35.47
02:40	366.9	38.00
02:45	376.0	40.59
02:50	383.1	43.22
02:55	392.8	45.93
03:00	405.9	48.73
03:05	422.9	51.64
03:10	442.9	54.69
03:15	465.1	57.89
03:20	495.7	61.31
03:25	545.7	65.06
03:30	617.1	69.31
03:35	701.9	74.15
03:40	794.3	79.62
03:45	887.0	85.73
03:50	980.6	92.48
03:55	1074.9	99.88
04:00	1169.1	107.93
04:05	1276.5	116.73
04:10	1401.3	126.38
04:15	1539.9	136.98
04:20	1693.5	148.65
04:25	1855.4	161.42
04:30	2023.2	175.36
04:35	2189.3	190.44
04:40	2351.9	206.63
04:45	2514.6	223.95
04:50	2689.6	242.47
04:55	2869.4	262.24
05:00	3048.5	283.23
05:05	3238.9	305.54
05:10	3472.7	329.45
05:15	3779.9	355.49
05:20	4169.4	384.20
05:25	4631.1	416.10

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	5143.9	451.52
05:35	5480.8	489.27
05:40	5523.5	527.31
05:45	5212.0	563.21
05:50	4677.5	595.42
05:55	4173.9	624.17
06:00	3818.7	650.46
06:05	3579.6	675.12
06:10	3397.4	698.52
06:15	3074.4	719.69
06:20	2634.3	737.83
06:25	2252.2	753.34
06:30	1959.1	766.84
06:35	1724.1	778.71
06:40	1526.6	789.22
06:45	1361.8	798.60
06:50	1225.4	807.04
06:55	1123.8	814.78
07:00	1027.3	821.86
07:05	933.3	828.28
07:10	853.6	834.16
07:15	793.8	839.63
07:20	746.2	844.77
07:25	701.4	849.60
07:30	656.3	854.12
07:35	610.7	858.33
07:40	565.0	862.22
07:45	518.2	865.79
07:50	469.7	869.02
07:55	423.1	871.93
08:00	385.4	874.59
08:05	362.6	877.09
08:10	347.1	879.48
08:15	334.3	881.78
08:20	321.8	883.99
08:25	309.1	886.12
08:30	295.7	888.16
08:35	281.1	890.10
08:40	270.4	891.96
08:45	264.5	893.78
08:50	259.4	895.57
08:55	254.2	897.32
09:00	248.7	899.03
09:05	243.0	900.70
09:10	237.5	902.34
09:15	232.4	903.94
09:20	227.3	905.50
09:25	222.0	907.03
09:30	216.3	908.52
09:35	210.3	909.97
09:40	204.0	911.38
09:45	197.4	912.74
09:50	190.6	914.05
09:55	183.7	915.31
10:00	176.5	916.53
10:05	168.9	917.69
10:10	161.2	918.80
10:15	153.0	919.86
10:20	144.4	920.85
10:25	135.2	921.78
10:30	125.3	922.65
10:35	114.9	923.44

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	3.5	0.02
02:50	0.032	0.029	0.003	9.6	0.09
02:55	0.032	0.029	0.003	18.2	0.22
03:00	0.032	0.029	0.003	25.7	0.39
03:05	0.032	0.029	0.003	29.8	0.60
03:10	0.035	0.029	0.006	36.4	0.85
03:15	0.035	0.029	0.006	45.4	1.16
03:20	0.035	0.029	0.006	56.7	1.55
03:25	0.038	0.029	0.009	70.1	2.03
03:30	0.042	0.029	0.012	86.5	2.63
03:35	0.045	0.029	0.016	111.2	3.40
03:40	0.045	0.029	0.016	139.5	4.36
03:45	0.048	0.029	0.019	168.3	5.52
03:50	0.048	0.029	0.019	192.7	6.84
03:55	0.051	0.029	0.022	217.9	8.34
04:00	0.051	0.029	0.022	241.8	10.01
04:05	0.054	0.029	0.025	266.7	11.85
04:10	0.058	0.029	0.028	293.7	13.87
04:15	0.061	0.029	0.032	325.4	16.11
04:20	0.064	0.029	0.035	363.1	18.61
04:25	0.067	0.029	0.038	403.3	21.39
04:30	0.067	0.029	0.038	441.2	24.43
04:35	0.070	0.029	0.041	477.2	27.71
04:40	0.074	0.029	0.044	511.9	31.24
04:45	0.077	0.029	0.048	548.5	35.02
04:50	0.077	0.029	0.048	586.0	39.05
04:55	0.080	0.029	0.051	622.5	43.34
05:00	0.083	0.029	0.054	657.7	47.87
05:05	0.099	0.029	0.070	710.8	52.76
05:10	0.115	0.029	0.086	796.0	58.25
05:15	0.125	0.029	0.096	914.5	64.54
05:20	0.134	0.029	0.105	1053.7	71.80
05:25	0.150	0.029	0.121	1200.8	80.07

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	1374.0	89.53
05:35	0.061	0.029	0.032	1414.7	99.28
05:40	0.029	0.029	0.000	1302.4	108.25
05:45	0.019	0.019	0.000	1006.9	115.18
05:50	0.016	0.016	0.000	686.6	119.91
05:55	0.010	0.010	0.000	496.2	123.33
06:00	0.006	0.006	0.000	389.6	126.01
06:05	0.000	0.000	0.000	310.4	128.15
06:10	0.000	0.000	0.000	251.1	129.88
06:15	0.000	0.000	0.000	217.0	131.37
06:20	0.000	0.000	0.000	185.8	132.65
06:25	0.000	0.000	0.000	149.3	133.68
06:30	0.000	0.000	0.000	113.0	134.46
06:35	0.000	0.000	0.000	103.1	135.17
06:40	0.000	0.000	0.000	99.6	135.85
06:45	0.000	0.000	0.000	95.9	136.51
06:50	0.000	0.000	0.000	92.1	137.15
06:55	0.000	0.000	0.000	87.9	137.75
07:00	0.000	0.000	0.000	83.5	138.33
07:05	0.000	0.000	0.000	78.8	138.87
07:10	0.000	0.000	0.000	74.0	139.38
07:15	0.000	0.000	0.000	68.9	139.86
07:20	0.000	0.000	0.000	63.2	140.29
07:25	0.000	0.000	0.000	55.9	140.68
07:30	0.000	0.000	0.000	47.2	141.00
07:35	0.000	0.000	0.000	37.5	141.26
07:40	0.000	0.000	0.000	26.8	141.44
07:45	0.000	0.000	0.000	14.1	141.54
07:50	0.000	0.000	0.000	2.3	141.56
07:55	0.000	0.000	0.000	0.0	141.56
08:00	0.000	0.000	0.000	0.0	141.56
08:05	0.000	0.000	0.000	0.0	141.56
08:10	0.000	0.000	0.000	0.0	141.56
08:15	0.000	0.000	0.000	0.0	141.56
08:20	0.000	0.000	0.000	0.0	141.56
08:25	0.000	0.000	0.000	0.0	141.56
08:30	0.000	0.000	0.000	0.0	141.56
08:35	0.000	0.000	0.000	0.0	141.56
08:40	0.000	0.000	0.000	0.0	141.56
08:45	0.000	0.000	0.000	0.0	141.56
08:50	0.000	0.000	0.000	0.0	141.56
08:55	0.000	0.000	0.000	0.0	141.56
09:00	0.000	0.000	0.000	0.0	141.56
09:05	0.000	0.000	0.000	0.0	141.56
09:10	0.000	0.000	0.000	0.0	141.56
09:15	0.000	0.000	0.000	0.0	141.56
09:20	0.000	0.000	0.000	0.0	141.56
09:25	0.000	0.000	0.000	0.0	141.56
09:30	0.000	0.000	0.000	0.0	141.56
09:35	0.000	0.000	0.000	0.0	141.56
09:40	0.000	0.000	0.000	0.0	141.56
09:45	0.000	0.000	0.000	0.0	141.56
09:50	0.000	0.000	0.000	0.0	141.56
09:55	0.000	0.000	0.000	0.0	141.56
10:00	0.000	0.000	0.000	0.0	141.56
10:05	0.000	0.000	0.000	0.0	141.56
10:10	0.000	0.000	0.000	0.0	141.56
10:15	0.000	0.000	0.000	0.0	141.56
10:20	0.000	0.000	0.000	0.0	141.56
10:25	0.000	0.000	0.000	0.0	141.56
10:30	0.000	0.000	0.000	0.0	141.56
10:35	0.000	0.000	0.000	0.0	141.56

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.030	0.002	0.2	0.00
02:50	0.032	0.030	0.002	0.8	0.01
02:55	0.032	0.030	0.002	1.2	0.02
03:00	0.032	0.030	0.002	1.4	0.03
03:05	0.032	0.030	0.002	1.6	0.04
03:10	0.035	0.030	0.005	2.1	0.05
03:15	0.035	0.030	0.005	2.9	0.07
03:20	0.035	0.030	0.005	3.8	0.10
03:25	0.038	0.030	0.008	4.5	0.13
03:30	0.042	0.030	0.012	6.0	0.17
03:35	0.045	0.030	0.015	8.1	0.22
03:40	0.045	0.030	0.015	10.1	0.29
03:45	0.048	0.030	0.018	11.9	0.38
03:50	0.048	0.030	0.018	13.5	0.47
03:55	0.051	0.030	0.021	15.2	0.57
04:00	0.051	0.030	0.021	16.7	0.69
04:05	0.054	0.030	0.024	18.4	0.82
04:10	0.058	0.030	0.028	20.3	0.96
04:15	0.061	0.030	0.031	22.8	1.11
04:20	0.064	0.030	0.034	25.4	1.29
04:25	0.067	0.030	0.037	28.2	1.48
04:30	0.067	0.030	0.037	30.7	1.69
04:35	0.070	0.030	0.040	32.9	1.92
04:40	0.074	0.030	0.044	35.2	2.16
04:45	0.077	0.030	0.047	37.9	2.42
04:50	0.077	0.030	0.047	40.4	2.70
04:55	0.080	0.030	0.050	42.6	2.99
05:00	0.083	0.030	0.053	44.8	3.30
05:05	0.099	0.030	0.069	49.1	3.64
05:10	0.115	0.030	0.085	56.8	4.03
05:15	0.125	0.030	0.095	66.9	4.49
05:20	0.134	0.030	0.104	76.7	5.02
05:25	0.150	0.030	0.120	86.7	5.62

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.030	0.149	99.8	6.31
05:35	0.061	0.030	0.031	99.6	6.99
05:40	0.029	0.029	0.000	76.5	7.52
05:45	0.019	0.019	0.000	46.7	7.84
05:50	0.016	0.016	0.000	30.7	8.05
05:55	0.010	0.010	0.000	22.1	8.20
06:00	0.006	0.006	0.000	17.2	8.32
06:05	0.000	0.000	0.000	13.8	8.42
06:10	0.000	0.000	0.000	10.0	8.49
06:15	0.000	0.000	0.000	8.0	8.54
06:20	0.000	0.000	0.000	7.4	8.59
06:25	0.000	0.000	0.000	7.0	8.64
06:30	0.000	0.000	0.000	6.6	8.69
06:35	0.000	0.000	0.000	6.1	8.73
06:40	0.000	0.000	0.000	5.6	8.77
06:45	0.000	0.000	0.000	4.9	8.80
06:50	0.000	0.000	0.000	4.1	8.83
06:55	0.000	0.000	0.000	3.2	8.85
07:00	0.000	0.000	0.000	2.1	8.86
07:05	0.000	0.000	0.000	0.9	8.87
07:10	0.000	0.000	0.000	0.1	8.87
07:15	0.000	0.000	0.000	0.0	8.87
07:20	0.000	0.000	0.000	0.0	8.87
07:25	0.000	0.000	0.000	0.0	8.87
07:30	0.000	0.000	0.000	0.0	8.87
07:35	0.000	0.000	0.000	0.0	8.87
07:40	0.000	0.000	0.000	0.0	8.87
07:45	0.000	0.000	0.000	0.0	8.87
07:50	0.000	0.000	0.000	0.0	8.87
07:55	0.000	0.000	0.000	0.0	8.87
08:00	0.000	0.000	0.000	0.0	8.87
08:05	0.000	0.000	0.000	0.0	8.87
08:10	0.000	0.000	0.000	0.0	8.87
08:15	0.000	0.000	0.000	0.0	8.87
08:20	0.000	0.000	0.000	0.0	8.87
08:25	0.000	0.000	0.000	0.0	8.87
08:30	0.000	0.000	0.000	0.0	8.87
08:35	0.000	0.000	0.000	0.0	8.87
08:40	0.000	0.000	0.000	0.0	8.87
08:45	0.000	0.000	0.000	0.0	8.87
08:50	0.000	0.000	0.000	0.0	8.87
08:55	0.000	0.000	0.000	0.0	8.87
09:00	0.000	0.000	0.000	0.0	8.87
09:05	0.000	0.000	0.000	0.0	8.87
09:10	0.000	0.000	0.000	0.0	8.87
09:15	0.000	0.000	0.000	0.0	8.87
09:20	0.000	0.000	0.000	0.0	8.87
09:25	0.000	0.000	0.000	0.0	8.87
09:30	0.000	0.000	0.000	0.0	8.87
09:35	0.000	0.000	0.000	0.0	8.87
09:40	0.000	0.000	0.000	0.0	8.87
09:45	0.000	0.000	0.000	0.0	8.87
09:50	0.000	0.000	0.000	0.0	8.87
09:55	0.000	0.000	0.000	0.0	8.87
10:00	0.000	0.000	0.000	0.0	8.87
10:05	0.000	0.000	0.000	0.0	8.87
10:10	0.000	0.000	0.000	0.0	8.87
10:15	0.000	0.000	0.000	0.0	8.87
10:20	0.000	0.000	0.000	0.0	8.87
10:25	0.000	0.000	0.000	0.0	8.87
10:30	0.000	0.000	0.000	0.0	8.87
10:35	0.000	0.000	0.000	0.0	8.87

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.4	0.00	0.00
00:10	1.0	0.00	0.01
00:15	2.0	0.00	0.02
00:20	3.2	0.00	0.05
00:25	4.4	0.00	0.08
00:30	5.3	0.00	0.11
00:35	6.0	0.00	0.15
00:40	6.5	0.00	0.20
00:45	7.0	0.11	0.25
00:50	8.8	0.15	0.31
00:55	32.1	0.38	0.53
01:00	98.3	0.62	1.21
01:05	151.3	0.91	2.25
01:10	168.9	1.94	3.41
01:15	176.5	3.74	4.63
01:20	185.7	4.94	5.90
01:25	200.9	5.21	7.29
01:30	219.6	5.31	8.80
01:35	237.0	5.45	10.43
01:40	252.3	5.62	12.17
01:45	265.4	5.79	14.00
01:50	275.1	5.92	15.89
01:55	282.1	6.03	17.84
02:00	289.8	6.11	19.83
02:05	294.1	6.16	21.86
02:10	301.8	6.22	23.94
02:15	311.7	6.25	26.08
02:20	323.1	6.32	28.31
02:25	335.2	6.39	30.62
02:30	346.9	6.47	33.01
02:35	357.8	6.56	35.47
02:40	366.9	6.63	38.00
02:45	379.7	6.70	40.61
02:50	393.4	6.77	43.32
02:55	412.3	6.85	46.16
03:00	433.0	6.95	49.14
03:05	454.2	7.07	52.27
03:10	481.3	7.19	55.59
03:15	513.4	7.33	59.12
03:20	556.2	7.49	62.95
03:25	620.3	7.69	67.22
03:30	709.6	7.95	72.11
03:35	821.2	8.33	77.77
03:40	944.0	8.78	84.27
03:45	1067.3	9.26	91.62
03:50	1186.8	9.70	99.79
03:55	1308.0	10.10	108.80
04:00	1427.6	10.46	118.63
04:05	1561.7	10.80	129.39
04:10	1715.2	11.16	141.20
04:15	1888.1	11.54	154.20
04:20	2082.0	11.94	168.54
04:25	2287.0	12.37	184.29
04:30	2495.2	12.79	201.48
04:35	2699.4	13.19	220.07
04:40	2899.0	13.56	240.03
04:45	3101.1	13.91	261.39
04:50	3315.9	14.25	284.23
04:55	3534.5	14.59	308.57
05:00	3751.1	14.91	334.40
05:05	3998.8	15.24	361.94
05:10	4325.5	15.61	391.73
05:15	4761.2	16.07	424.53
05:20	5299.8	16.66	461.03
05:25	5918.6	17.32	501.79

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	6617.7	18.02	547.36
05:35	6995.1	18.61	595.54
05:40	6902.3	18.80	643.08
05:45	6265.6	18.53	686.23
05:50	5394.9	17.83	723.38
05:55	4692.2	16.97	755.70
06:00	4225.5	16.23	784.80
06:05	3903.8	15.70	811.68
06:10	3658.4	15.30	836.88
06:15	3299.5	14.92	859.60
06:20	2827.6	14.37	879.08
06:25	2408.5	13.64	895.67
06:30	2078.7	12.94	909.98
06:35	1833.3	12.33	922.61
06:40	1631.8	11.82	933.85
06:45	1462.6	11.37	943.92
06:50	1321.5	10.96	953.02
06:55	1214.9	10.59	961.39
07:00	1112.9	10.29	969.05
07:05	1013.0	9.99	976.03
07:10	927.8	9.68	982.42
07:15	862.7	9.40	988.36
07:20	809.4	9.16	993.93
07:25	757.3	8.95	999.15
07:30	703.5	8.76	1003.99
07:35	648.3	8.55	1008.46
07:40	591.7	8.33	1012.53
07:45	532.3	8.09	1016.20
07:50	472.0	7.83	1019.45
07:55	423.1	7.55	1022.37
08:00	385.4	7.27	1025.02
08:05	362.6	7.02	1027.52
08:10	347.1	6.83	1029.91
08:15	334.3	6.70	1032.21
08:20	321.8	6.60	1034.43
08:25	309.1	6.52	1036.55
08:30	295.7	6.43	1038.59
08:35	281.1	6.34	1040.53
08:40	270.4	6.25	1042.39
08:45	264.5	6.15	1044.21
08:50	259.4	6.07	1046.00
08:55	254.2	6.02	1047.75
09:00	248.7	5.98	1049.46
09:05	243.0	5.94	1051.13
09:10	237.5	5.89	1052.77
09:15	232.4	5.85	1054.37
09:20	227.3	5.80	1055.94
09:25	222.0	5.76	1057.46
09:30	216.3	5.72	1058.95
09:35	210.3	5.67	1060.40
09:40	204.0	5.62	1061.81
09:45	197.4	5.57	1063.17
09:50	190.6	5.51	1064.48
09:55	183.7	5.45	1065.75
10:00	176.5	5.39	1066.96
10:05	168.9	5.32	1068.12
10:10	161.2	5.25	1069.23
10:15	153.0	5.17	1070.29
10:20	144.4	5.10	1071.28
10:25	135.2	5.01	1072.21
10:30	125.3	4.92	1073.08
10:35	114.9	4.82	1073.87

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.017	0.013	0.004	6.2	0.04
00:10	0.020	0.015	0.005	20.3	0.18
00:15	0.020	0.015	0.005	38.0	0.44
00:20	0.020	0.015	0.005	48.7	0.78
00:25	0.020	0.015	0.005	54.5	1.15
00:30	0.023	0.018	0.006	60.0	1.57
00:35	0.023	0.018	0.006	65.1	2.02
00:40	0.023	0.018	0.006	70.3	2.50
00:45	0.023	0.018	0.006	74.0	3.01
00:50	0.023	0.018	0.006	76.0	3.53
00:55	0.023	0.018	0.006	77.3	4.07
01:00	0.026	0.018	0.009	83.1	4.64
01:05	0.026	0.018	0.009	94.2	5.29
01:10	0.026	0.018	0.009	107.2	6.03
01:15	0.026	0.018	0.009	113.9	6.81
01:20	0.026	0.018	0.009	118.0	7.62
01:25	0.026	0.018	0.009	121.4	8.46
01:30	0.026	0.018	0.009	123.5	9.31
01:35	0.026	0.018	0.009	125.6	10.17
01:40	0.026	0.018	0.009	127.8	11.05
01:45	0.026	0.018	0.009	129.1	11.94
01:50	0.026	0.018	0.009	129.9	12.84
01:55	0.026	0.018	0.009	130.5	13.74
02:00	0.030	0.018	0.012	136.1	14.67
02:05	0.026	0.018	0.009	142.2	15.65
02:10	0.030	0.018	0.012	149.7	16.68
02:15	0.030	0.018	0.012	154.6	17.75
02:20	0.030	0.018	0.012	164.8	18.88
02:25	0.030	0.018	0.012	170.9	20.06
02:30	0.030	0.018	0.012	173.5	21.26
02:35	0.030	0.018	0.012	176.7	22.47
02:40	0.030	0.018	0.012	178.7	23.70
02:45	0.033	0.018	0.015	184.6	24.98
02:50	0.033	0.018	0.015	196.7	26.33
02:55	0.033	0.018	0.015	209.9	27.78
03:00	0.033	0.018	0.015	216.7	29.27
03:05	0.033	0.018	0.015	220.7	30.79
03:10	0.036	0.018	0.019	229.1	32.37
03:15	0.036	0.018	0.019	241.8	34.03
03:20	0.036	0.018	0.019	256.3	35.80
03:25	0.040	0.018	0.022	269.8	37.65
03:30	0.043	0.018	0.025	290.2	39.65
03:35	0.046	0.018	0.028	322.4	41.87
03:40	0.046	0.018	0.028	354.5	44.31
03:45	0.050	0.018	0.032	384.4	46.96
03:50	0.050	0.018	0.032	410.0	49.79
03:55	0.053	0.018	0.035	436.9	52.79
04:00	0.053	0.018	0.035	460.8	55.97
04:05	0.056	0.018	0.038	487.5	59.33
04:10	0.059	0.018	0.042	517.1	62.89
04:15	0.063	0.018	0.045	554.0	66.70
04:20	0.066	0.018	0.048	595.5	70.80
04:25	0.069	0.018	0.052	639.1	75.21
04:30	0.069	0.018	0.052	679.2	79.88
04:35	0.073	0.018	0.055	714.9	84.81
04:40	0.076	0.018	0.058	749.2	89.97
04:45	0.079	0.018	0.061	791.2	95.42
04:50	0.079	0.018	0.061	831.4	101.14
04:55	0.083	0.018	0.065	867.1	107.11
05:00	0.086	0.018	0.068	902.2	113.33
05:05	0.102	0.018	0.085	964.7	119.97
05:10	0.119	0.018	0.101	1073.1	127.36
05:15	0.129	0.018	0.111	1223.4	135.79
05:20	0.139	0.018	0.121	1379.3	145.29
05:25	0.155	0.018	0.137	1534.5	155.85

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.185	0.018	0.167	1730.5	167.77
05:35	0.063	0.018	0.045	1758.1	179.88
05:40	0.030	0.018	0.012	1495.6	190.18
05:45	0.020	0.015	0.005	1017.6	197.19
05:50	0.017	0.013	0.004	700.0	202.01
05:55	0.010	0.008	0.002	523.8	205.62
06:00	0.007	0.005	0.002	395.3	208.34
06:05	0.000	0.000	0.000	321.2	210.55
06:10	0.000	0.000	0.000	256.6	212.32
06:15	0.000	0.000	0.000	187.4	213.61
06:20	0.000	0.000	0.000	155.1	214.68
06:25	0.000	0.000	0.000	140.9	215.65
06:30	0.000	0.000	0.000	130.8	216.55
06:35	0.000	0.000	0.000	121.7	217.39
06:40	0.000	0.000	0.000	112.9	218.16
06:45	0.000	0.000	0.000	104.0	218.88
06:50	0.000	0.000	0.000	94.5	219.53
06:55	0.000	0.000	0.000	83.1	220.10
07:00	0.000	0.000	0.000	69.9	220.59
07:05	0.000	0.000	0.000	55.5	220.97
07:10	0.000	0.000	0.000	39.4	221.24
07:15	0.000	0.000	0.000	20.7	221.38
07:20	0.000	0.000	0.000	6.3	221.42
07:25	0.000	0.000	0.000	2.4	221.44
07:30	0.000	0.000	0.000	1.3	221.45
07:35	0.000	0.000	0.000	0.8	221.46
07:40	0.000	0.000	0.000	0.4	221.46
07:45	0.000	0.000	0.000	0.1	221.46
07:50	0.000	0.000	0.000	0.0	221.46
07:55	0.000	0.000	0.000	0.0	221.46
08:00	0.000	0.000	0.000	0.0	221.46
08:05	0.000	0.000	0.000	0.0	221.46
08:10	0.000	0.000	0.000	0.0	221.46
08:15	0.000	0.000	0.000	0.0	221.46
08:20	0.000	0.000	0.000	0.0	221.46
08:25	0.000	0.000	0.000	0.0	221.46
08:30	0.000	0.000	0.000	0.0	221.46
08:35	0.000	0.000	0.000	0.0	221.46
08:40	0.000	0.000	0.000	0.0	221.46
08:45	0.000	0.000	0.000	0.0	221.46
08:50	0.000	0.000	0.000	0.0	221.46
08:55	0.000	0.000	0.000	0.0	221.46
09:00	0.000	0.000	0.000	0.0	221.46
09:05	0.000	0.000	0.000	0.0	221.46
09:10	0.000	0.000	0.000	0.0	221.46
09:15	0.000	0.000	0.000	0.0	221.46
09:20	0.000	0.000	0.000	0.0	221.46
09:25	0.000	0.000	0.000	0.0	221.46
09:30	0.000	0.000	0.000	0.0	221.46
09:35	0.000	0.000	0.000	0.0	221.46
09:40	0.000	0.000	0.000	0.0	221.46
09:45	0.000	0.000	0.000	0.0	221.46
09:50	0.000	0.000	0.000	0.0	221.46
09:55	0.000	0.000	0.000	0.0	221.46
10:00	0.000	0.000	0.000	0.0	221.46
10:05	0.000	0.000	0.000	0.0	221.46
10:10	0.000	0.000	0.000	0.0	221.46
10:15	0.000	0.000	0.000	0.0	221.46
10:20	0.000	0.000	0.000	0.0	221.46
10:25	0.000	0.000	0.000	0.0	221.46
10:30	0.000	0.000	0.000	0.0	221.46
10:35	0.000	0.000	0.000	0.0	221.46

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
00:05	6.2	0.04
00:10	20.3	0.18
00:15	38.0	0.44
00:20	48.7	0.78
00:25	54.5	1.15
00:30	60.0	1.57
00:35	65.1	2.02
00:40	70.3	2.50
00:45	74.0	3.01
00:50	76.0	3.53
00:55	77.3	4.07
01:00	83.1	4.64
01:05	94.2	5.29
01:10	107.2	6.03
01:15	113.9	6.81
01:20	118.0	7.62
01:25	121.4	8.46
01:30	123.5	9.31
01:35	125.6	10.17
01:40	127.8	11.05
01:45	129.1	11.94
01:50	129.9	12.84
01:55	130.5	13.74
02:00	136.1	14.67
02:05	142.2	15.65
02:10	149.7	16.68
02:15	154.6	17.75
02:20	164.8	18.88
02:25	170.9	20.06
02:30	173.5	21.26
02:35	176.7	22.47
02:40	178.7	23.70
02:45	184.6	24.98
02:50	196.7	26.33
02:55	209.9	27.78
03:00	216.7	29.27
03:05	220.7	30.79
03:10	229.1	32.37
03:15	241.8	34.03
03:20	256.3	35.80
03:25	269.8	37.65
03:30	290.2	39.65
03:35	322.4	41.87
03:40	354.5	44.31
03:45	384.4	46.96
03:50	410.0	49.79
03:55	436.9	52.79
04:00	460.8	55.97
04:05	487.5	59.33
04:10	517.1	62.89
04:15	554.0	66.70
04:20	595.5	70.80
04:25	639.1	75.21
04:30	679.2	79.88
04:35	714.9	84.81
04:40	749.2	89.97
04:45	791.2	95.42
04:50	831.4	101.14
04:55	867.1	107.11
05:00	902.2	113.33
05:05	964.7	119.97
05:10	1073.1	127.36
05:15	1223.4	135.79
05:20	1379.3	145.29
05:25	1706.7	157.04
05:30	2249.3	172.53

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
05:35	2431.1	189.27
05:40	2277.7	204.96
05:45	1828.4	217.55
05:50	1355.0	226.88
05:55	984.4	233.66
06:00	395.3	236.39
06:05	321.2	238.60
06:10	256.6	240.37
06:15	187.4	241.66
06:20	155.1	242.73
06:25	140.9	243.70
06:30	130.8	244.60
06:35	121.7	245.43
06:40	112.9	246.21
06:45	104.0	246.93
06:50	94.5	247.58
06:55	83.1	248.15
07:00	69.9	248.63
07:05	55.5	249.02
07:10	39.4	249.29
07:15	20.7	249.43
07:20	6.3	249.47
07:25	2.4	249.49
07:30	1.3	249.50
07:35	0.8	249.50
07:40	0.4	249.51
07:45	0.1	249.51
07:50	0.0	249.51
07:55	0.0	249.51
08:00	0.0	249.51
08:05	0.0	249.51
08:10	0.0	249.51
08:15	0.0	249.51
08:20	0.0	249.51
08:25	0.0	249.51
08:30	0.0	249.51
08:35	0.0	249.51
08:40	0.0	249.51
08:45	0.0	249.51
08:50	0.0	249.51
08:55	0.0	249.51
09:00	0.0	249.51
09:05	0.0	249.51
09:10	0.0	249.51
09:15	0.0	249.51
09:20	0.0	249.51
09:25	0.0	249.51
09:30	0.0	249.51
09:35	0.0	249.51
09:40	0.0	249.51
09:45	0.0	249.51
09:50	0.0	249.51
09:55	0.0	249.51
10:00	0.0	249.51
10:05	0.0	249.51
10:10	0.0	249.51
10:15	0.0	249.51
10:20	0.0	249.51
10:25	0.0	249.51
10:30	0.0	249.51
10:35	0.0	249.51

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	6.2	0.39	0.04
00:10	20.3	2.97	0.18
00:15	38.0	3.89	0.44
00:20	48.7	4.37	0.78
00:25	54.5	4.59	1.15
00:30	60.0	4.74	1.57
00:35	65.1	4.88	2.02
00:40	70.3	5.00	2.50
00:45	74.0	5.10	3.01
00:50	76.0	5.15	3.53
00:55	77.3	5.18	4.07
01:00	83.1	5.28	4.64
01:05	94.2	5.48	5.29
01:10	107.2	5.71	6.03
01:15	113.9	5.86	6.81
01:20	118.0	5.94	7.62
01:25	121.4	5.99	8.46
01:30	123.5	6.03	9.31
01:35	125.6	6.07	10.17
01:40	127.8	6.10	11.05
01:45	129.1	6.12	11.94
01:50	129.9	6.14	12.84
01:55	130.5	6.15	13.74
02:00	136.1	6.21	14.67
02:05	142.2	6.30	15.65
02:10	149.7	6.40	16.68
02:15	154.6	6.48	17.75
02:20	164.8	6.60	18.88
02:25	170.9	6.69	20.06
02:30	173.5	6.73	21.26
02:35	176.7	6.77	22.47
02:40	178.7	6.80	23.70
02:45	184.6	6.86	24.98
02:50	196.7	6.99	26.33
02:55	209.9	7.14	27.78
03:00	216.7	7.23	29.27
03:05	220.7	7.28	30.79
03:10	229.1	7.36	32.37
03:15	241.8	7.48	34.03
03:20	256.3	7.62	35.80
03:25	269.8	7.75	37.65
03:30	290.2	7.93	39.65
03:35	322.4	8.19	41.87
03:40	354.5	8.45	44.31
03:45	384.4	8.68	46.96
03:50	410.0	8.87	49.79
03:55	436.9	9.05	52.79
04:00	460.8	9.21	55.97
04:05	487.5	9.38	59.33
04:10	517.1	9.56	62.89
04:15	554.0	9.77	66.70
04:20	595.5	10.00	70.80
04:25	639.1	10.24	75.21
04:30	679.2	10.44	79.88
04:35	714.9	10.62	84.81
04:40	749.2	10.79	89.97
04:45	791.2	10.98	95.42
04:50	831.4	11.15	101.14
04:55	867.1	11.31	107.11
05:00	902.2	11.46	113.33
05:05	964.7	11.70	119.97
05:10	1073.1	12.09	127.36
05:15	1223.4	12.60	135.79
05:20	1379.3	13.11	145.29
05:25	1706.7	14.01	157.04

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2249.3	15.30	172.53
05:35	2431.1	15.77	189.27
05:40	2277.7	15.50	204.96
05:45	1828.4	14.53	217.55
05:50	1355.0	13.24	226.88
05:55	984.4	11.97	233.66
06:00	395.3	9.38	236.39
06:05	321.2	8.33	238.60
06:10	256.6	7.76	240.37
06:15	187.4	7.07	241.66
06:20	155.1	6.59	242.73
06:25	140.9	6.35	243.70
06:30	130.8	6.19	244.60
06:35	121.7	6.05	245.43
06:40	112.9	5.90	246.21
06:45	104.0	5.75	246.93
06:50	94.5	5.59	247.58
06:55	83.1	5.38	248.15
07:00	69.9	5.11	248.63
07:05	55.5	4.78	249.02
07:10	39.4	4.35	249.29
07:15	20.7	3.73	249.43
07:20	6.3	2.93	249.47
07:25	2.4	2.14	249.49
07:30	1.3	1.67	249.50
07:35	0.8	1.41	249.50
07:40	0.4	1.22	249.51
07:45	0.1	1.02	249.51
07:50	0.0	0.84	249.51
07:55	0.0	0.66	249.51
08:00	0.0	0.51	249.51
08:05	0.0	0.41	249.51
08:10	0.0	0.34	249.51
08:15	0.0	0.29	249.51
08:20	0.0	0.25	249.51
08:25	0.0	0.23	249.51
08:30	0.0	0.20	249.51
08:35	0.0	0.19	249.51
08:40	0.0	0.17	249.51
08:45	0.0	0.16	249.51
08:50	0.0	0.15	249.51
08:55	0.0	0.13	249.51
09:00	0.0	0.13	249.51
09:05	0.0	0.12	249.51
09:10	0.0	0.11	249.51
09:15	0.0	0.11	249.51
09:20	0.0	0.10	249.51
09:25	0.0	0.10	249.51
09:30	0.0	0.09	249.51
09:35	0.0	0.09	249.51
09:40	0.0	0.08	249.51
09:45	0.0	0.08	249.51
09:50	0.0	0.08	249.51
09:55	0.0	0.08	249.51
10:00	0.0	0.07	249.51
10:05	0.0	0.07	249.51
10:10	0.0	0.07	249.51
10:15	0.0	0.07	249.51
10:20	0.0	0.06	249.51
10:25	0.0	0.06	249.51
10:30	0.0	0.06	249.51
10:35	0.0	0.06	249.51

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	13.7	0.00	0.09
00:15	31.6	0.00	0.31
00:20	45.2	0.22	0.62
00:25	52.7	1.11	0.99
00:30	58.3	2.71	1.39
00:35	63.6	4.18	1.83
00:40	68.8	4.72	2.30
00:45	73.0	4.92	2.80
00:50	75.4	5.07	3.32
00:55	76.9	5.18	3.85
01:00	81.6	5.26	4.41
01:05	91.4	5.30	5.04
01:10	103.9	5.40	5.76
01:15	112.3	5.62	6.53
01:20	117.0	5.87	7.34
01:25	120.6	6.03	8.17
01:30	123.0	6.12	9.02
01:35	125.1	6.18	9.88
01:40	127.3	6.22	10.75
01:45	128.8	6.26	11.64
01:50	129.7	6.29	12.53
01:55	130.3	6.32	13.43
02:00	134.8	6.33	14.36
02:05	140.8	6.36	15.33
02:10	148.0	6.44	16.35
02:15	153.6	6.54	17.41
02:20	162.6	6.64	18.53
02:25	169.6	6.74	19.69
02:30	173.0	6.87	20.89
02:35	176.1	6.95	22.10
02:40	178.3	6.99	23.33
02:45	183.4	7.03	24.59
02:50	194.3	7.08	25.93
02:55	207.3	7.18	27.36
03:00	215.4	7.33	28.84
03:05	219.9	7.47	30.35
03:10	227.5	7.54	31.92
03:15	239.3	7.61	33.57
03:20	253.6	7.73	35.31
03:25	267.3	7.87	37.16
03:30	286.6	8.03	39.13
03:35	316.8	8.21	41.31
03:40	349.1	8.46	43.72
03:45	379.5	8.77	46.33
03:50	405.9	9.04	49.12
03:55	432.7	9.27	52.10
04:00	457.1	9.48	55.25
04:05	483.4	9.67	58.58
04:10	512.7	9.86	62.11
04:15	548.6	10.06	65.89
04:20	589.6	10.29	69.95
04:25	633.0	10.55	74.31
04:30	673.8	10.82	78.95
04:35	710.1	11.05	83.84
04:40	744.7	11.26	88.97
04:45	785.8	11.45	94.38
04:50	826.3	11.66	100.07
04:55	862.6	11.86	106.01
05:00	897.9	12.04	112.20
05:05	957.1	12.22	118.79
05:10	1060.4	12.51	126.09
05:15	1206.4	12.98	134.40
05:20	1362.6	13.57	143.79
05:25	1673.5	14.26	155.31

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2198.9	15.46	170.46
05:35	2414.7	16.69	187.09
05:40	2291.8	16.96	202.87
05:45	1872.4	16.44	215.76
05:50	1405.7	15.30	225.45
05:55	1028.3	13.96	232.53
06:00	483.7	12.52	235.86
06:05	333.8	10.27	238.16
06:10	268.4	9.04	240.01
06:15	201.3	8.33	241.39
06:20	162.1	7.71	242.51
06:25	144.1	7.14	243.50
06:30	133.1	6.75	244.42
06:35	123.8	6.52	245.27
06:40	115.0	6.36	246.06
06:45	106.2	6.21	246.79
06:50	97.0	6.06	247.46
06:55	86.1	5.90	248.06
07:00	73.5	5.73	248.56
07:05	59.7	5.52	248.97
07:10	44.7	5.26	249.28
07:15	27.7	4.96	249.47
07:20	13.1	4.61	249.56
07:25	4.9	4.18	249.60
07:30	2.3	3.71	249.61
07:35	1.4	3.25	249.62
07:40	0.9	2.84	249.63
07:45	0.5	2.48	249.63
07:50	0.3	2.21	249.63
07:55	0.1	2.00	249.63
08:00	0.1	1.79	249.63
08:05	0.0	1.67	249.63
08:10	0.0	1.52	249.63
08:15	0.0	1.42	249.63
08:20	0.0	1.32	249.63
08:25	0.0	1.21	249.63
08:30	0.0	1.15	249.63
08:35	0.0	1.07	249.63
08:40	0.0	1.00	249.63
08:45	0.0	0.95	249.63
08:50	0.0	0.90	249.63
08:55	0.0	0.85	249.63
09:00	0.0	0.80	249.63
09:05	0.0	0.77	249.63
09:10	0.0	0.74	249.63
09:15	0.0	0.71	249.63
09:20	0.0	0.67	249.63
09:25	0.0	0.64	249.63
09:30	0.0	0.62	249.63
09:35	0.0	0.60	249.63
09:40	0.0	0.58	249.63
09:45	0.0	0.56	249.63
09:50	0.0	0.54	249.63
09:55	0.0	0.52	249.63
10:00	0.0	0.51	249.63
10:05	0.0	0.49	249.63
10:10	0.0	0.48	249.63
10:15	0.0	0.47	249.63
10:20	0.0	0.45	249.63
10:25	0.0	0.43	249.63
10:30	0.0	0.42	249.63
10:35	0.0	0.41	249.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.014	0.002	2.0	0.01
00:10	0.019	0.017	0.003	5.7	0.05
00:15	0.019	0.017	0.003	7.9	0.11
00:20	0.019	0.017	0.003	8.9	0.17
00:25	0.019	0.017	0.003	9.5	0.23
00:30	0.022	0.019	0.003	10.4	0.31
00:35	0.022	0.019	0.003	11.3	0.38
00:40	0.022	0.019	0.003	11.7	0.46
00:45	0.022	0.019	0.003	12.0	0.55
00:50	0.022	0.019	0.003	12.2	0.63
00:55	0.022	0.019	0.003	12.4	0.72
01:00	0.026	0.020	0.006	14.7	0.82
01:05	0.026	0.020	0.006	18.5	0.94
01:10	0.026	0.020	0.006	20.2	1.08
01:15	0.026	0.020	0.006	21.1	1.23
01:20	0.026	0.020	0.006	21.5	1.38
01:25	0.026	0.020	0.006	22.0	1.53
01:30	0.026	0.020	0.006	22.2	1.68
01:35	0.026	0.020	0.006	22.3	1.83
01:40	0.026	0.020	0.006	22.4	1.99
01:45	0.026	0.020	0.006	22.6	2.14
01:50	0.026	0.020	0.006	22.7	2.30
01:55	0.026	0.020	0.006	22.8	2.46
02:00	0.029	0.020	0.009	25.8	2.64
02:05	0.026	0.020	0.006	27.8	2.83
02:10	0.029	0.020	0.009	28.0	3.02
02:15	0.029	0.020	0.009	31.8	3.24
02:20	0.029	0.020	0.009	33.4	3.47
02:25	0.029	0.020	0.009	34.5	3.71
02:30	0.029	0.020	0.009	34.6	3.94
02:35	0.029	0.020	0.009	35.2	4.19
02:40	0.029	0.020	0.009	35.4	4.43
02:45	0.032	0.020	0.012	38.4	4.69
02:50	0.032	0.020	0.012	43.3	4.99
02:55	0.032	0.020	0.012	45.6	5.31
03:00	0.032	0.020	0.012	46.9	5.63
03:05	0.032	0.020	0.012	47.6	5.96
03:10	0.035	0.020	0.015	51.1	6.31
03:15	0.035	0.020	0.015	56.2	6.70
03:20	0.035	0.020	0.015	58.4	7.10
03:25	0.038	0.020	0.018	62.5	7.53
03:30	0.042	0.020	0.022	70.9	8.02
03:35	0.045	0.020	0.025	81.3	8.58
03:40	0.045	0.020	0.025	89.7	9.19
03:45	0.048	0.020	0.028	96.6	9.86
03:50	0.048	0.020	0.028	104.0	10.58
03:55	0.051	0.020	0.031	110.5	11.34
04:00	0.051	0.020	0.031	117.5	12.15
04:05	0.054	0.020	0.034	123.7	13.00
04:10	0.058	0.020	0.038	133.6	13.92
04:15	0.061	0.020	0.041	144.8	14.91
04:20	0.064	0.020	0.044	156.8	15.99
04:25	0.067	0.020	0.047	169.1	17.16
04:30	0.067	0.020	0.047	179.1	18.39
04:35	0.070	0.020	0.050	187.1	19.68
04:40	0.074	0.020	0.054	197.9	21.04
04:45	0.077	0.020	0.057	209.6	22.49
04:50	0.077	0.020	0.057	219.2	24.00
04:55	0.080	0.020	0.060	226.8	25.56
05:00	0.083	0.020	0.063	237.7	27.19
05:05	0.099	0.020	0.079	260.9	28.99
05:10	0.115	0.020	0.095	303.9	31.08
05:15	0.125	0.020	0.105	349.5	33.49
05:20	0.134	0.020	0.114	390.5	36.18
05:25	0.150	0.020	0.130	435.4	39.18

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.020	0.159	501.4	42.63
05:35	0.061	0.020	0.041	460.3	45.80
05:40	0.029	0.020	0.009	285.2	47.77
05:45	0.019	0.017	0.003	172.8	48.96
05:50	0.016	0.014	0.002	113.1	49.74
05:55	0.010	0.008	0.001	83.1	50.31
06:00	0.006	0.006	0.001	56.1	50.70
06:05	0.000	0.000	0.000	45.9	51.01
06:10	0.000	0.000	0.000	39.9	51.29
06:15	0.000	0.000	0.000	35.0	51.53
06:20	0.000	0.000	0.000	29.6	51.73
06:25	0.000	0.000	0.000	24.0	51.90
06:30	0.000	0.000	0.000	18.0	52.02
06:35	0.000	0.000	0.000	11.3	52.10
06:40	0.000	0.000	0.000	3.1	52.12
06:45	0.000	0.000	0.000	0.9	52.12
06:50	0.000	0.000	0.000	0.4	52.13
06:55	0.000	0.000	0.000	0.2	52.13
07:00	0.000	0.000	0.000	0.1	52.13
07:05	0.000	0.000	0.000	0.1	52.13
07:10	0.000	0.000	0.000	0.0	52.13
07:15	0.000	0.000	0.000	0.0	52.13
07:20	0.000	0.000	0.000	0.0	52.13
07:25	0.000	0.000	0.000	0.0	52.13
07:30	0.000	0.000	0.000	0.0	52.13
07:35	0.000	0.000	0.000	0.0	52.13
07:40	0.000	0.000	0.000	0.0	52.13
07:45	0.000	0.000	0.000	0.0	52.13
07:50	0.000	0.000	0.000	0.0	52.13
07:55	0.000	0.000	0.000	0.0	52.13
08:00	0.000	0.000	0.000	0.0	52.13
08:05	0.000	0.000	0.000	0.0	52.13
08:10	0.000	0.000	0.000	0.0	52.13
08:15	0.000	0.000	0.000	0.0	52.13
08:20	0.000	0.000	0.000	0.0	52.13
08:25	0.000	0.000	0.000	0.0	52.13
08:30	0.000	0.000	0.000	0.0	52.13
08:35	0.000	0.000	0.000	0.0	52.13
08:40	0.000	0.000	0.000	0.0	52.13
08:45	0.000	0.000	0.000	0.0	52.13
08:50	0.000	0.000	0.000	0.0	52.13
08:55	0.000	0.000	0.000	0.0	52.13
09:00	0.000	0.000	0.000	0.0	52.13
09:05	0.000	0.000	0.000	0.0	52.13
09:10	0.000	0.000	0.000	0.0	52.13
09:15	0.000	0.000	0.000	0.0	52.13
09:20	0.000	0.000	0.000	0.0	52.13
09:25	0.000	0.000	0.000	0.0	52.13
09:30	0.000	0.000	0.000	0.0	52.13
09:35	0.000	0.000	0.000	0.0	52.13
09:40	0.000	0.000	0.000	0.0	52.13
09:45	0.000	0.000	0.000	0.0	52.13
09:50	0.000	0.000	0.000	0.0	52.13
09:55	0.000	0.000	0.000	0.0	52.13
10:00	0.000	0.000	0.000	0.0	52.13
10:05	0.000	0.000	0.000	0.0	52.13
10:10	0.000	0.000	0.000	0.0	52.13
10:15	0.000	0.000	0.000	0.0	52.13
10:20	0.000	0.000	0.000	0.0	52.13
10:25	0.000	0.000	0.000	0.0	52.13
10:30	0.000	0.000	0.000	0.0	52.13
10:35	0.000	0.000	0.000	0.0	52.13

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	2.0	0.01
00:10	5.7	0.05
00:15	7.8	0.11
00:20	8.9	0.17
00:25	10.3	0.24
00:30	21.0	0.38
00:35	49.4	0.72
00:40	66.2	1.18
00:45	73.7	1.69
00:50	79.5	2.23
00:55	84.4	2.82
01:00	89.7	3.43
01:05	95.5	4.09
01:10	101.5	4.79
01:15	112.1	5.56
01:20	125.3	6.43
01:25	134.2	7.35
01:30	139.6	8.31
01:35	143.1	9.30
01:40	145.7	10.30
01:45	148.0	11.32
01:50	150.2	12.35
01:55	151.7	13.40
02:00	155.6	14.47
02:05	159.1	15.57
02:10	164.1	16.70
02:15	174.4	17.90
02:20	182.9	19.16
02:25	190.7	20.47
02:30	199.5	21.84
02:35	205.9	23.26
02:40	209.4	24.70
02:45	215.3	26.19
02:50	223.5	27.73
02:55	233.3	29.33
03:00	246.8	31.03
03:05	258.7	32.81
03:10	268.6	34.66
03:15	279.8	36.59
03:20	291.9	38.60
03:25	309.6	40.73
03:30	332.4	43.02
03:35	360.3	45.50
03:40	395.3	48.23
03:45	435.8	51.23
03:50	475.2	54.50
03:55	509.8	58.01
04:00	544.5	61.76
04:05	576.2	65.73
04:10	612.8	69.95
04:15	653.3	74.45
04:20	701.5	79.28
04:25	755.3	84.48
04:30	809.3	90.06
04:35	859.0	95.97
04:40	907.0	102.22
04:45	954.7	108.79
04:50	1005.5	115.72
04:55	1053.9	122.98
05:00	1101.8	130.57
05:05	1163.8	138.58
05:10	1271.3	147.34
05:15	1428.0	157.17
05:20	1621.2	168.34
05:25	1860.9	181.15

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	2310.9	197.07
05:35	2726.6	215.85
05:40	2660.7	234.17
05:45	2338.6	250.28
05:50	1866.5	263.13
05:55	1419.7	272.91
06:00	1026.7	279.98
06:05	586.8	284.02
06:10	410.5	286.85
06:15	327.0	289.10
06:20	261.9	290.90
06:25	209.2	292.35
06:30	174.8	293.55
06:35	152.9	294.60
06:40	134.3	295.53
06:45	123.3	296.38
06:50	114.4	297.16
06:55	105.8	297.89
07:00	96.8	298.56
07:05	86.6	299.16
07:10	75.3	299.67
07:15	63.3	300.11
07:20	50.8	300.46
07:25	38.2	300.72
07:30	26.8	300.91
07:35	18.1	301.03
07:40	12.2	301.12
07:45	8.2	301.17
07:50	5.8	301.21
07:55	4.3	301.24
08:00	3.1	301.26
08:05	2.5	301.28
08:10	1.9	301.29
08:15	1.6	301.31
08:20	1.3	301.31
08:25	1.0	301.32
08:30	0.8	301.33
08:35	0.7	301.33
08:40	0.6	301.34
08:45	0.5	301.34
08:50	0.4	301.34
08:55	0.3	301.34
09:00	0.3	301.35
09:05	0.3	301.35
09:10	0.2	301.35
09:15	0.2	301.35
09:20	0.2	301.35
09:25	0.2	301.35
09:30	0.1	301.35
09:35	0.1	301.35
09:40	0.1	301.36
09:45	0.1	301.36
09:50	0.1	301.36
09:55	0.1	301.36
10:00	0.1	301.36
10:05	0.1	301.36
10:10	0.1	301.36
10:15	0.1	301.36
10:20	0.1	301.36
10:25	0.0	301.36
10:30	0.0	301.36
10:35	0.0	301.36

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.017	0.017	0.000	0.0	0.00
00:10	0.020	0.020	0.000	0.0	0.00
00:15	0.020	0.020	0.000	0.0	0.00
00:20	0.020	0.020	0.000	0.0	0.00
00:25	0.020	0.020	0.000	0.0	0.00
00:30	0.023	0.023	0.000	0.0	0.00
00:35	0.023	0.023	0.000	0.0	0.00
00:40	0.023	0.023	0.000	0.0	0.00
00:45	0.023	0.023	0.000	0.0	0.00
00:50	0.023	0.023	0.000	0.0	0.00
00:55	0.023	0.023	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.030	0.028	0.002	0.9	0.01
02:05	0.026	0.026	0.000	1.6	0.02
02:10	0.030	0.028	0.002	3.1	0.04
02:15	0.030	0.028	0.002	4.0	0.07
02:20	0.030	0.028	0.002	5.5	0.10
02:25	0.030	0.028	0.002	6.7	0.15
02:30	0.030	0.028	0.002	7.5	0.20
02:35	0.030	0.028	0.002	7.8	0.25
02:40	0.030	0.028	0.002	8.3	0.31
02:45	0.033	0.028	0.006	9.8	0.38
02:50	0.033	0.028	0.006	12.4	0.46
02:55	0.033	0.028	0.006	15.9	0.57
03:00	0.033	0.028	0.006	18.3	0.70
03:05	0.033	0.028	0.006	19.6	0.83
03:10	0.036	0.028	0.009	21.7	0.98
03:15	0.036	0.028	0.009	24.9	1.16
03:20	0.036	0.028	0.009	28.7	1.35
03:25	0.040	0.028	0.012	32.7	1.58
03:30	0.043	0.028	0.015	38.1	1.84
03:35	0.046	0.028	0.019	46.2	2.16
03:40	0.046	0.028	0.019	55.1	2.54
03:45	0.050	0.028	0.022	63.7	2.98
03:50	0.050	0.028	0.022	71.0	3.47
03:55	0.053	0.028	0.025	78.9	4.01
04:00	0.053	0.028	0.025	85.8	4.60
04:05	0.056	0.028	0.029	93.4	5.24
04:10	0.059	0.028	0.032	101.5	5.94
04:15	0.063	0.028	0.035	111.7	6.71
04:20	0.066	0.028	0.039	123.1	7.56
04:25	0.069	0.028	0.042	135.4	8.49
04:30	0.069	0.028	0.042	146.7	9.50
04:35	0.073	0.028	0.045	157.5	10.59
04:40	0.076	0.028	0.048	167.5	11.74
04:45	0.079	0.028	0.052	179.0	12.97
04:50	0.079	0.028	0.052	190.2	14.28
04:55	0.083	0.028	0.055	201.0	15.67
05:00	0.086	0.028	0.058	211.1	17.12
05:05	0.102	0.028	0.075	227.9	18.69
05:10	0.119	0.028	0.091	255.4	20.45
05:15	0.129	0.028	0.101	294.1	22.48
05:20	0.139	0.028	0.111	337.2	24.80
05:25	0.155	0.028	0.128	381.9	27.43

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.185	0.028	0.157	435.2	30.43
05:35	0.063	0.028	0.035	446.1	33.50
05:40	0.030	0.028	0.002	397.8	36.24
05:45	0.020	0.020	0.000	286.6	38.21
05:50	0.017	0.017	0.000	192.9	39.54
05:55	0.010	0.010	0.000	138.5	40.49
06:00	0.007	0.007	0.000	108.9	41.24
06:05	0.000	0.000	0.000	84.3	41.82
06:10	0.000	0.000	0.000	71.2	42.31
06:15	0.000	0.000	0.000	60.1	42.73
06:20	0.000	0.000	0.000	47.3	43.05
06:25	0.000	0.000	0.000	36.4	43.31
06:30	0.000	0.000	0.000	33.1	43.53
06:35	0.000	0.000	0.000	31.7	43.75
06:40	0.000	0.000	0.000	30.3	43.96
06:45	0.000	0.000	0.000	28.8	44.16
06:50	0.000	0.000	0.000	27.2	44.35
06:55	0.000	0.000	0.000	25.6	44.52
07:00	0.000	0.000	0.000	23.8	44.69
07:05	0.000	0.000	0.000	22.0	44.84
07:10	0.000	0.000	0.000	19.7	44.97
07:15	0.000	0.000	0.000	16.9	45.09
07:20	0.000	0.000	0.000	13.7	45.18
07:25	0.000	0.000	0.000	10.3	45.25
07:30	0.000	0.000	0.000	6.3	45.30
07:35	0.000	0.000	0.000	1.5	45.31
07:40	0.000	0.000	0.000	0.1	45.31
07:45	0.000	0.000	0.000	0.0	45.31
07:50	0.000	0.000	0.000	0.0	45.31
07:55	0.000	0.000	0.000	0.0	45.31
08:00	0.000	0.000	0.000	0.0	45.31
08:05	0.000	0.000	0.000	0.0	45.31
08:10	0.000	0.000	0.000	0.0	45.31
08:15	0.000	0.000	0.000	0.0	45.31
08:20	0.000	0.000	0.000	0.0	45.31
08:25	0.000	0.000	0.000	0.0	45.31
08:30	0.000	0.000	0.000	0.0	45.31
08:35	0.000	0.000	0.000	0.0	45.31
08:40	0.000	0.000	0.000	0.0	45.31
08:45	0.000	0.000	0.000	0.0	45.31
08:50	0.000	0.000	0.000	0.0	45.31
08:55	0.000	0.000	0.000	0.0	45.31
09:00	0.000	0.000	0.000	0.0	45.31
09:05	0.000	0.000	0.000	0.0	45.31
09:10	0.000	0.000	0.000	0.0	45.31
09:15	0.000	0.000	0.000	0.0	45.31
09:20	0.000	0.000	0.000	0.0	45.31
09:25	0.000	0.000	0.000	0.0	45.31
09:30	0.000	0.000	0.000	0.0	45.31
09:35	0.000	0.000	0.000	0.0	45.31
09:40	0.000	0.000	0.000	0.0	45.31
09:45	0.000	0.000	0.000	0.0	45.31
09:50	0.000	0.000	0.000	0.0	45.31
09:55	0.000	0.000	0.000	0.0	45.31
10:00	0.000	0.000	0.000	0.0	45.31
10:05	0.000	0.000	0.000	0.0	45.31
10:10	0.000	0.000	0.000	0.0	45.31
10:15	0.000	0.000	0.000	0.0	45.31
10:20	0.000	0.000	0.000	0.0	45.31
10:25	0.000	0.000	0.000	0.0	45.31
10:30	0.000	0.000	0.000	0.0	45.31
10:35	0.000	0.000	0.000	0.0	45.31

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.008	2.5	0.02
00:10	0.019	0.008	0.011	5.2	0.05
00:15	0.019	0.008	0.011	6.4	0.10
00:20	0.019	0.008	0.011	7.0	0.14
00:25	0.019	0.008	0.011	7.2	0.19
00:30	0.022	0.008	0.015	8.3	0.25
00:35	0.022	0.008	0.015	9.2	0.32
00:40	0.022	0.008	0.015	9.6	0.38
00:45	0.022	0.008	0.015	9.8	0.45
00:50	0.022	0.008	0.015	9.9	0.52
00:55	0.022	0.008	0.015	10.0	0.59
01:00	0.026	0.008	0.018	11.0	0.66
01:05	0.026	0.008	0.018	11.7	0.74
01:10	0.026	0.008	0.018	12.0	0.82
01:15	0.026	0.008	0.018	12.1	0.91
01:20	0.026	0.008	0.018	12.1	0.99
01:25	0.026	0.008	0.018	12.2	1.07
01:30	0.026	0.008	0.018	12.2	1.16
01:35	0.026	0.008	0.018	12.3	1.24
01:40	0.026	0.008	0.018	12.3	1.33
01:45	0.026	0.008	0.018	12.3	1.41
01:50	0.026	0.008	0.018	12.3	1.50
01:55	0.026	0.008	0.018	12.3	1.58
02:00	0.029	0.008	0.021	13.3	1.67
02:05	0.026	0.008	0.018	13.0	1.76
02:10	0.029	0.008	0.021	13.5	1.86
02:15	0.029	0.008	0.021	14.1	1.95
02:20	0.029	0.008	0.021	14.2	2.05
02:25	0.029	0.008	0.021	14.3	2.15
02:30	0.029	0.008	0.021	14.4	2.25
02:35	0.029	0.008	0.021	14.4	2.35
02:40	0.029	0.008	0.021	14.5	2.45
02:45	0.032	0.008	0.024	15.4	2.55
02:50	0.032	0.008	0.024	16.1	2.66
02:55	0.032	0.008	0.024	16.4	2.78
03:00	0.032	0.008	0.024	16.5	2.89
03:05	0.032	0.008	0.024	16.5	3.00
03:10	0.035	0.008	0.027	17.5	3.12
03:15	0.035	0.008	0.027	18.3	3.25
03:20	0.035	0.008	0.027	18.5	3.38
03:25	0.038	0.008	0.031	19.7	3.51
03:30	0.042	0.008	0.034	21.3	3.66
03:35	0.045	0.008	0.037	23.2	3.82
03:40	0.045	0.008	0.037	24.3	3.99
03:45	0.048	0.008	0.040	25.7	4.16
03:50	0.048	0.008	0.040	26.7	4.35
03:55	0.051	0.008	0.043	28.0	4.54
04:00	0.051	0.008	0.043	28.9	4.74
04:05	0.054	0.008	0.047	30.3	4.95
04:10	0.058	0.008	0.050	32.1	5.17
04:15	0.061	0.008	0.053	34.1	5.40
04:20	0.064	0.008	0.056	36.2	5.65
04:25	0.067	0.008	0.059	38.3	5.92
04:30	0.067	0.008	0.059	39.5	6.19
04:35	0.070	0.008	0.063	41.0	6.47
04:40	0.074	0.008	0.066	42.9	6.77
04:45	0.077	0.008	0.069	45.0	7.08
04:50	0.077	0.008	0.069	46.2	7.40
04:55	0.080	0.008	0.072	47.7	7.72
05:00	0.083	0.008	0.075	49.6	8.07
05:05	0.099	0.008	0.091	55.5	8.45
05:10	0.115	0.008	0.107	64.1	8.89
05:15	0.125	0.008	0.117	71.8	9.38
05:20	0.134	0.008	0.127	78.7	9.93
05:25	0.150	0.008	0.143	87.2	10.53

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.171	100.7	11.22
05:35	0.061	0.008	0.053	73.9	11.73
05:40	0.029	0.008	0.021	42.6	12.02
05:45	0.019	0.008	0.011	26.7	12.21
05:50	0.016	0.008	0.008	17.5	12.33
05:55	0.010	0.005	0.005	13.0	12.42
06:00	0.006	0.003	0.003	9.9	12.48
06:05	0.000	0.000	0.000	6.6	12.53
06:10	0.000	0.000	0.000	3.8	12.56
06:15	0.000	0.000	0.000	1.4	12.57
06:20	0.000	0.000	0.000	0.6	12.57
06:25	0.000	0.000	0.000	0.4	12.57
06:30	0.000	0.000	0.000	0.2	12.57
06:35	0.000	0.000	0.000	0.1	12.57
06:40	0.000	0.000	0.000	0.0	12.57
06:45	0.000	0.000	0.000	0.0	12.57
06:50	0.000	0.000	0.000	0.0	12.57
06:55	0.000	0.000	0.000	0.0	12.57
07:00	0.000	0.000	0.000	0.0	12.57
07:05	0.000	0.000	0.000	0.0	12.57
07:10	0.000	0.000	0.000	0.0	12.57
07:15	0.000	0.000	0.000	0.0	12.57
07:20	0.000	0.000	0.000	0.0	12.57
07:25	0.000	0.000	0.000	0.0	12.57
07:30	0.000	0.000	0.000	0.0	12.57
07:35	0.000	0.000	0.000	0.0	12.57
07:40	0.000	0.000	0.000	0.0	12.57
07:45	0.000	0.000	0.000	0.0	12.57
07:50	0.000	0.000	0.000	0.0	12.57
07:55	0.000	0.000	0.000	0.0	12.57
08:00	0.000	0.000	0.000	0.0	12.57
08:05	0.000	0.000	0.000	0.0	12.57
08:10	0.000	0.000	0.000	0.0	12.57
08:15	0.000	0.000	0.000	0.0	12.57
08:20	0.000	0.000	0.000	0.0	12.57
08:25	0.000	0.000	0.000	0.0	12.57
08:30	0.000	0.000	0.000	0.0	12.57
08:35	0.000	0.000	0.000	0.0	12.57
08:40	0.000	0.000	0.000	0.0	12.57
08:45	0.000	0.000	0.000	0.0	12.57
08:50	0.000	0.000	0.000	0.0	12.57
08:55	0.000	0.000	0.000	0.0	12.57
09:00	0.000	0.000	0.000	0.0	12.57
09:05	0.000	0.000	0.000	0.0	12.57
09:10	0.000	0.000	0.000	0.0	12.57
09:15	0.000	0.000	0.000	0.0	12.57
09:20	0.000	0.000	0.000	0.0	12.57
09:25	0.000	0.000	0.000	0.0	12.57
09:30	0.000	0.000	0.000	0.0	12.57
09:35	0.000	0.000	0.000	0.0	12.57
09:40	0.000	0.000	0.000	0.0	12.57
09:45	0.000	0.000	0.000	0.0	12.57
09:50	0.000	0.000	0.000	0.0	12.57
09:55	0.000	0.000	0.000	0.0	12.57
10:00	0.000	0.000	0.000	0.0	12.57
10:05	0.000	0.000	0.000	0.0	12.57
10:10	0.000	0.000	0.000	0.0	12.57
10:15	0.000	0.000	0.000	0.0	12.57
10:20	0.000	0.000	0.000	0.0	12.57
10:25	0.000	0.000	0.000	0.0	12.57
10:30	0.000	0.000	0.000	0.0	12.57
10:35	0.000	0.000	0.000	0.0	12.57

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	4.4	0.00	0.03
00:10	10.9	0.00	0.11
00:15	14.3	0.00	0.20
00:20	15.9	0.00	0.31
00:25	17.5	0.00	0.43
00:30	29.3	0.23	0.64
00:35	58.5	0.44	1.04
00:40	75.8	1.03	1.56
00:45	83.6	1.81	2.14
00:50	89.4	3.07	2.75
00:55	94.4	4.40	3.40
01:00	100.6	5.33	4.10
01:05	107.2	5.78	4.83
01:10	113.5	5.97	5.62
01:15	124.2	6.11	6.47
01:20	137.4	6.25	7.42
01:25	146.4	6.42	8.42
01:30	151.8	6.64	9.47
01:35	155.3	6.86	10.54
01:40	158.0	7.02	11.63
01:45	160.3	7.10	12.73
01:50	162.5	7.15	13.85
01:55	164.0	7.19	14.98
02:00	169.7	7.23	16.15
02:05	173.7	7.26	17.35
02:10	180.7	7.31	18.59
02:15	192.4	7.39	19.92
02:20	202.6	7.47	21.31
02:25	211.7	7.61	22.77
02:30	221.3	7.77	24.29
02:35	228.1	7.91	25.86
02:40	232.2	8.04	27.46
02:45	240.5	8.14	29.12
02:50	252.1	8.20	30.86
02:55	265.5	8.29	32.68
03:00	281.5	8.43	34.62
03:05	294.8	8.58	36.65
03:10	307.9	8.76	38.77
03:15	323.0	8.92	41.00
03:20	339.2	9.06	43.33
03:25	361.9	9.22	45.83
03:30	391.8	9.39	48.52
03:35	429.8	9.62	51.48
03:40	474.7	9.91	54.75
03:45	525.2	10.26	58.37
03:50	572.8	10.65	62.32
03:55	616.6	11.05	66.56
04:00	659.2	11.38	71.10
04:05	699.8	11.69	75.92
04:10	746.5	11.97	81.06
04:15	799.1	12.23	86.57
04:20	860.8	12.54	92.50
04:25	929.0	12.87	98.89
04:30	995.5	13.22	105.75
04:35	1057.4	13.58	113.03
04:40	1117.5	13.89	120.73
04:45	1178.7	14.18	128.85
04:50	1241.8	14.46	137.40
04:55	1302.5	14.74	146.37
05:00	1362.6	15.00	155.75
05:05	1447.2	15.25	165.72
05:10	1590.8	15.56	176.68
05:15	1794.0	16.07	189.03
05:20	2037.1	16.77	203.06
05:25	2330.0	17.58	219.11

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2846.9	18.49	238.71
05:35	3246.5	19.86	261.07
05:40	3101.1	20.68	282.43
05:45	2651.9	20.33	300.69
05:50	2076.8	19.29	315.00
05:55	1571.2	17.84	325.82
06:00	1145.5	16.35	333.71
06:05	677.7	14.86	338.37
06:10	485.6	13.05	341.72
06:15	388.6	11.52	344.40
06:20	309.8	10.51	346.53
06:25	246.0	9.79	348.22
06:30	208.2	9.14	349.66
06:35	184.7	8.54	350.93
06:40	164.7	8.08	352.06
06:45	152.1	7.73	353.11
06:50	141.6	7.44	354.09
06:55	131.4	7.21	354.99
07:00	120.6	7.03	355.82
07:05	108.6	6.86	356.57
07:10	95.0	6.69	357.22
07:15	80.2	6.50	357.78
07:20	64.6	6.28	358.22
07:25	48.5	6.02	358.56
07:30	33.1	5.73	358.78
07:35	19.6	5.41	358.92
07:40	12.3	5.05	359.00
07:45	8.2	4.66	359.06
07:50	5.8	4.26	359.10
07:55	4.3	3.90	359.13
08:00	3.1	3.55	359.15
08:05	2.5	3.27	359.17
08:10	1.9	3.02	359.18
08:15	1.6	2.80	359.19
08:20	1.3	2.61	359.20
08:25	1.0	2.45	359.21
08:30	0.8	2.29	359.21
08:35	0.7	2.17	359.22
08:40	0.6	2.05	359.22
08:45	0.5	1.94	359.23
08:50	0.4	1.86	359.23
08:55	0.3	1.77	359.23
09:00	0.3	1.68	359.23
09:05	0.3	1.62	359.23
09:10	0.2	1.55	359.24
09:15	0.2	1.48	359.24
09:20	0.2	1.42	359.24
09:25	0.2	1.38	359.24
09:30	0.1	1.33	359.24
09:35	0.1	1.28	359.24
09:40	0.1	1.22	359.24
09:45	0.1	1.19	359.24
09:50	0.1	1.16	359.24
09:55	0.1	1.12	359.24
10:00	0.1	1.08	359.24
10:05	0.1	1.04	359.25
10:10	0.1	1.02	359.25
10:15	0.1	0.99	359.25
10:20	0.1	0.97	359.25
10:25	0.0	0.94	359.25
10:30	0.0	0.91	359.25
10:35	0.0	0.88	359.25

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.013	0.003	1.3	0.01
00:10	0.019	0.015	0.004	2.1	0.02
00:15	0.019	0.015	0.004	2.4	0.04
00:20	0.019	0.015	0.004	2.5	0.06
00:25	0.019	0.015	0.004	2.5	0.07
00:30	0.022	0.018	0.004	2.9	0.09
00:35	0.022	0.018	0.004	3.0	0.11
00:40	0.022	0.018	0.004	3.0	0.14
00:45	0.022	0.018	0.004	3.1	0.16
00:50	0.022	0.018	0.004	3.1	0.18
00:55	0.022	0.018	0.004	3.1	0.20
01:00	0.026	0.020	0.005	3.4	0.22
01:05	0.026	0.020	0.005	3.5	0.25
01:10	0.026	0.020	0.005	3.5	0.27
01:15	0.026	0.020	0.005	3.5	0.29
01:20	0.026	0.020	0.005	3.5	0.32
01:25	0.026	0.020	0.005	3.5	0.34
01:30	0.026	0.020	0.005	3.5	0.37
01:35	0.026	0.020	0.005	3.5	0.39
01:40	0.026	0.020	0.005	3.5	0.41
01:45	0.026	0.020	0.005	3.5	0.44
01:50	0.026	0.020	0.005	3.5	0.46
01:55	0.026	0.020	0.005	3.5	0.49
02:00	0.029	0.023	0.006	3.8	0.51
02:05	0.026	0.020	0.005	3.6	0.54
02:10	0.029	0.023	0.006	3.8	0.57
02:15	0.029	0.023	0.006	3.9	0.59
02:20	0.029	0.023	0.006	3.9	0.62
02:25	0.029	0.023	0.006	4.0	0.65
02:30	0.029	0.023	0.006	4.0	0.67
02:35	0.029	0.023	0.006	4.0	0.70
02:40	0.029	0.023	0.006	4.0	0.73
02:45	0.032	0.023	0.009	5.2	0.76
02:50	0.032	0.023	0.009	5.6	0.80
02:55	0.032	0.023	0.009	5.8	0.84
03:00	0.032	0.023	0.009	5.8	0.88
03:05	0.032	0.023	0.009	5.9	0.92
03:10	0.035	0.023	0.012	7.3	0.97
03:15	0.035	0.023	0.012	7.8	1.03
03:20	0.035	0.023	0.012	8.0	1.08
03:25	0.038	0.023	0.015	9.4	1.15
03:30	0.042	0.023	0.018	11.2	1.22
03:35	0.045	0.023	0.021	13.3	1.32
03:40	0.045	0.023	0.021	14.0	1.41
03:45	0.048	0.023	0.025	15.7	1.52
03:50	0.048	0.023	0.025	16.3	1.63
03:55	0.051	0.023	0.028	18.0	1.76
04:00	0.051	0.023	0.028	18.6	1.88
04:05	0.054	0.023	0.031	20.2	2.02
04:10	0.058	0.023	0.034	22.2	2.18
04:15	0.061	0.023	0.037	24.2	2.34
04:20	0.064	0.023	0.041	26.4	2.52
04:25	0.067	0.023	0.044	28.5	2.72
04:30	0.067	0.023	0.044	29.3	2.92
04:35	0.070	0.023	0.047	31.1	3.14
04:40	0.074	0.023	0.050	33.1	3.36
04:45	0.077	0.023	0.053	35.2	3.61
04:50	0.077	0.023	0.053	36.1	3.86
04:55	0.080	0.023	0.057	37.7	4.12
05:00	0.083	0.023	0.060	39.7	4.39
05:05	0.099	0.023	0.076	47.2	4.71
05:10	0.115	0.023	0.092	56.6	5.10
05:15	0.125	0.023	0.101	64.0	5.54
05:20	0.134	0.023	0.111	70.8	6.03
05:25	0.150	0.023	0.127	80.1	6.58

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.023	0.156	95.8	7.24
05:35	0.061	0.023	0.037	52.8	7.61
05:40	0.029	0.023	0.006	24.3	7.77
05:45	0.019	0.015	0.004	12.9	7.86
05:50	0.016	0.013	0.003	9.3	7.93
05:55	0.010	0.008	0.002	6.5	7.97
06:00	0.006	0.005	0.001	3.6	8.00
06:05	0.000	0.000	0.000	1.0	8.00
06:10	0.000	0.000	0.000	0.3	8.01
06:15	0.000	0.000	0.000	0.2	8.01
06:20	0.000	0.000	0.000	0.1	8.01
06:25	0.000	0.000	0.000	0.0	8.01
06:30	0.000	0.000	0.000	0.0	8.01
06:35	0.000	0.000	0.000	0.0	8.01
06:40	0.000	0.000	0.000	0.0	8.01
06:45	0.000	0.000	0.000	0.0	8.01
06:50	0.000	0.000	0.000	0.0	8.01
06:55	0.000	0.000	0.000	0.0	8.01
07:00	0.000	0.000	0.000	0.0	8.01
07:05	0.000	0.000	0.000	0.0	8.01
07:10	0.000	0.000	0.000	0.0	8.01
07:15	0.000	0.000	0.000	0.0	8.01
07:20	0.000	0.000	0.000	0.0	8.01
07:25	0.000	0.000	0.000	0.0	8.01
07:30	0.000	0.000	0.000	0.0	8.01
07:35	0.000	0.000	0.000	0.0	8.01
07:40	0.000	0.000	0.000	0.0	8.01
07:45	0.000	0.000	0.000	0.0	8.01
07:50	0.000	0.000	0.000	0.0	8.01
07:55	0.000	0.000	0.000	0.0	8.01
08:00	0.000	0.000	0.000	0.0	8.01
08:05	0.000	0.000	0.000	0.0	8.01
08:10	0.000	0.000	0.000	0.0	8.01
08:15	0.000	0.000	0.000	0.0	8.01
08:20	0.000	0.000	0.000	0.0	8.01
08:25	0.000	0.000	0.000	0.0	8.01
08:30	0.000	0.000	0.000	0.0	8.01
08:35	0.000	0.000	0.000	0.0	8.01
08:40	0.000	0.000	0.000	0.0	8.01
08:45	0.000	0.000	0.000	0.0	8.01
08:50	0.000	0.000	0.000	0.0	8.01
08:55	0.000	0.000	0.000	0.0	8.01
09:00	0.000	0.000	0.000	0.0	8.01
09:05	0.000	0.000	0.000	0.0	8.01
09:10	0.000	0.000	0.000	0.0	8.01
09:15	0.000	0.000	0.000	0.0	8.01
09:20	0.000	0.000	0.000	0.0	8.01
09:25	0.000	0.000	0.000	0.0	8.01
09:30	0.000	0.000	0.000	0.0	8.01
09:35	0.000	0.000	0.000	0.0	8.01
09:40	0.000	0.000	0.000	0.0	8.01
09:45	0.000	0.000	0.000	0.0	8.01
09:50	0.000	0.000	0.000	0.0	8.01
09:55	0.000	0.000	0.000	0.0	8.01
10:00	0.000	0.000	0.000	0.0	8.01
10:05	0.000	0.000	0.000	0.0	8.01
10:10	0.000	0.000	0.000	0.0	8.01
10:15	0.000	0.000	0.000	0.0	8.01
10:20	0.000	0.000	0.000	0.0	8.01
10:25	0.000	0.000	0.000	0.0	8.01
10:30	0.000	0.000	0.000	0.0	8.01
10:35	0.000	0.000	0.000	0.0	8.01

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	1.0	0.01
00:10	2.0	0.02
00:15	2.0	0.03
00:20	2.0	0.05
00:25	3.0	0.07
00:30	3.0	0.09
00:35	3.0	0.11
00:40	4.0	0.14
00:45	6.0	0.18
00:50	17.0	0.30
00:55	42.0	0.59
01:00	72.0	1.08
01:05	90.0	1.70
01:10	107.0	2.44
01:15	171.0	3.62
01:20	260.0	5.41
01:25	292.0	7.42
01:30	314.0	9.58
01:35	340.0	11.92
01:40	369.0	14.46
01:45	393.0	17.17
01:50	411.0	20.00
01:55	428.0	22.95
02:00	440.0	25.98
02:05	449.0	29.07
02:10	460.0	32.24
02:15	470.0	35.48
02:20	484.0	38.81
02:25	504.0	42.28
02:30	527.0	45.91
02:35	549.0	49.69
02:40	571.0	53.62
02:45	591.0	57.69
02:50	607.0	61.87
02:55	627.0	66.19
03:00	654.0	70.70
03:05	687.0	75.43
03:10	727.0	80.43
03:15	765.0	85.70
03:20	809.0	91.27
03:25	865.0	97.23
03:30	939.0	103.70
03:35	1050.0	110.93
03:40	1190.0	119.13
03:45	1362.0	128.51
03:50	1541.0	139.12
03:55	1724.0	150.99
04:00	1898.0	164.06
04:05	2070.0	178.32
04:10	2253.0	193.84
04:15	2457.0	210.76
04:20	2690.0	229.28
04:25	2951.0	249.61
04:30	3231.0	271.86
04:35	3517.0	296.08
04:40	3793.0	322.20
04:45	4062.0	350.18
04:50	4332.0	380.01
04:55	4618.0	411.82
05:00	4905.0	445.60
05:05	5202.0	481.43
05:10	5564.0	519.75
05:15	6069.0	561.54
05:20	6755.0	608.06
05:25	7598.0	660.39

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	8589.0	719.55
05:35	9669.0	786.14
05:40	10195.0	856.35
05:45	9744.0	923.46
05:50	8617.0	982.80
05:55	7298.0	1033.06
06:00	6213.0	1075.85
06:05	5400.0	1113.04
06:10	4715.0	1145.52
06:15	4190.0	1174.37
06:20	3683.0	1199.74
06:25	3153.0	1221.45
06:30	2696.0	1240.02
06:35	2332.0	1256.08
06:40	2057.0	1270.25
06:45	1836.0	1282.89
06:50	1652.0	1294.27
06:55	1499.0	1304.59
07:00	1380.0	1314.10
07:05	1271.0	1322.85
07:10	1164.0	1330.87
07:15	1069.0	1338.23
07:20	989.0	1345.04
07:25	922.0	1351.39
07:30	859.0	1357.31
07:35	795.0	1362.78
07:40	729.0	1367.80
07:45	664.0	1372.38
07:50	598.0	1376.49
07:55	534.0	1380.17
08:00	475.0	1383.44
08:05	428.0	1386.39
08:10	393.0	1389.10
08:15	370.0	1391.65
08:20	353.0	1394.08
08:25	339.0	1396.41
08:30	326.0	1398.66
08:35	313.0	1400.81
08:40	299.0	1402.87
08:45	285.0	1404.83
08:50	274.0	1406.72
08:55	267.0	1408.56
09:00	262.0	1410.37
09:05	256.0	1412.13
09:10	251.0	1413.86
09:15	245.0	1415.54
09:20	239.0	1417.19
09:25	234.0	1418.80
09:30	229.0	1420.38
09:35	224.0	1421.92
09:40	218.0	1423.42
09:45	212.0	1424.88
09:50	206.0	1426.30
09:55	199.0	1427.67
10:00	193.0	1429.00
10:05	186.0	1430.28
10:10	179.0	1431.52
10:15	172.0	1432.70
10:20	164.0	1433.83
10:25	156.0	1434.90
10:30	148.0	1435.92
10:35	140.0	1436.89

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	1.0	0.00	0.01
00:10	2.0	0.00	0.02
00:15	2.0	0.00	0.03
00:20	2.0	0.00	0.05
00:25	3.0	0.16	0.07
00:30	3.0	0.24	0.09
00:35	3.0	0.64	0.11
00:40	4.0	0.87	0.14
00:45	6.0	1.03	0.18
00:50	17.0	1.12	0.30
00:55	42.0	1.29	0.59
01:00	72.0	1.99	1.08
01:05	90.0	3.17	1.70
01:10	107.0	3.76	2.44
01:15	171.0	4.05	3.62
01:20	260.0	4.81	5.41
01:25	292.0	5.59	7.42
01:30	314.0	5.82	9.58
01:35	340.0	5.98	11.92
01:40	369.0	6.15	14.46
01:45	393.0	6.32	17.17
01:50	411.0	6.45	20.00
01:55	428.0	6.56	22.95
02:00	440.0	6.64	25.98
02:05	449.0	6.70	29.07
02:10	460.0	6.75	32.24
02:15	470.0	6.81	35.48
02:20	484.0	6.86	38.81
02:25	504.0	6.94	42.28
02:30	527.0	7.04	45.91
02:35	549.0	7.15	49.69
02:40	571.0	7.26	53.62
02:45	591.0	7.35	57.69
02:50	607.0	7.43	61.87
02:55	627.0	7.51	66.19
03:00	654.0	7.60	70.70
03:05	687.0	7.73	75.43
03:10	727.0	7.87	80.43
03:15	765.0	8.02	85.70
03:20	809.0	8.17	91.27
03:25	865.0	8.35	97.23
03:30	939.0	8.57	103.70
03:35	1050.0	8.86	110.93
03:40	1190.0	9.25	119.13
03:45	1362.0	9.69	128.51
03:50	1541.0	10.14	139.12
03:55	1724.0	10.57	150.99
04:00	1898.0	10.96	164.06
04:05	2070.0	11.32	178.32
04:10	2253.0	11.67	193.84
04:15	2457.0	12.02	210.76
04:20	2690.0	12.41	229.28
04:25	2951.0	12.82	249.61
04:30	3231.0	13.23	271.86
04:35	3517.0	13.64	296.08
04:40	3793.0	14.03	322.20
04:45	4062.0	14.38	350.18
04:50	4332.0	14.72	380.01
04:55	4618.0	15.05	411.82
05:00	4905.0	15.38	445.60
05:05	5202.0	15.70	481.43
05:10	5564.0	16.06	519.75
05:15	6069.0	16.53	561.54
05:20	6755.0	17.13	608.06
05:25	7598.0	17.83	660.39

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	8589.0	18.61	719.55
05:35	9669.0	19.41	786.14
05:40	10195.0	19.88	856.35
05:45	9744.0	19.73	923.46
05:50	8617.0	19.05	982.80
05:55	7298.0	18.07	1033.06
06:00	6213.0	17.09	1075.85
06:05	5400.0	16.25	1113.04
06:10	4715.0	15.50	1145.52
06:15	4190.0	14.86	1174.37
06:20	3683.0	14.23	1199.74
06:25	3153.0	13.54	1221.45
06:30	2696.0	12.84	1240.02
06:35	2332.0	12.20	1256.08
06:40	2057.0	11.65	1270.25
06:45	1836.0	11.19	1282.89
06:50	1652.0	10.78	1294.27
06:55	1499.0	10.41	1304.59
07:00	1380.0	10.09	1314.10
07:05	1271.0	9.81	1322.85
07:10	1164.0	9.53	1330.87
07:15	1069.0	9.25	1338.23
07:20	989.0	8.99	1345.04
07:25	922.0	8.77	1351.39
07:30	859.0	8.56	1357.31
07:35	795.0	8.34	1362.78
07:40	729.0	8.12	1367.80
07:45	664.0	7.87	1372.38
07:50	598.0	7.62	1376.49
07:55	534.0	7.34	1380.17
08:00	475.0	7.06	1383.44
08:05	428.0	6.80	1386.39
08:10	393.0	6.57	1389.10
08:15	370.0	6.39	1391.65
08:20	353.0	6.27	1394.08
08:25	339.0	6.18	1396.41
08:30	326.0	6.09	1398.66
08:35	313.0	6.00	1400.81
08:40	299.0	5.92	1402.87
08:45	285.0	5.82	1404.83
08:50	274.0	5.73	1406.72
08:55	267.0	5.66	1408.56
09:00	262.0	5.62	1410.37
09:05	256.0	5.57	1412.13
09:10	251.0	5.53	1413.86
09:15	245.0	5.49	1415.54
09:20	239.0	5.45	1417.19
09:25	234.0	5.40	1418.80
09:30	229.0	5.36	1420.38
09:35	224.0	5.32	1421.92
09:40	218.0	5.28	1423.42
09:45	212.0	5.23	1424.88
09:50	206.0	5.18	1426.30
09:55	199.0	5.13	1427.67
10:00	193.0	5.07	1429.00
10:05	186.0	5.01	1430.28
10:10	179.0	4.95	1431.52
10:15	172.0	4.89	1432.70
10:20	164.0	4.82	1433.83
10:25	156.0	4.74	1434.90
10:30	148.0	4.67	1435.92
10:35	140.0	4.58	1436.89

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.2	0.00
00:10	0.019	0.019	0.000	0.5	0.00
00:15	0.019	0.019	0.000	0.8	0.01
00:20	0.019	0.019	0.000	0.9	0.02
00:25	0.019	0.019	0.000	1.0	0.02
00:30	0.022	0.022	0.000	1.1	0.03
00:35	0.022	0.022	0.000	1.2	0.04
00:40	0.022	0.022	0.000	1.3	0.05
00:45	0.022	0.022	0.000	1.3	0.06
00:50	0.022	0.022	0.000	1.3	0.07
00:55	0.022	0.022	0.000	1.3	0.07
01:00	0.026	0.025	0.001	1.4	0.08
01:05	0.026	0.025	0.001	1.5	0.09
01:10	0.026	0.025	0.001	1.5	0.10
01:15	0.026	0.025	0.001	1.6	0.12
01:20	0.026	0.025	0.001	1.6	0.13
01:25	0.026	0.025	0.001	1.6	0.14
01:30	0.026	0.025	0.001	1.6	0.15
01:35	0.026	0.025	0.001	1.6	0.16
01:40	0.026	0.025	0.001	1.6	0.17
01:45	0.026	0.025	0.001	1.6	0.18
01:50	0.026	0.025	0.001	1.7	0.19
01:55	0.026	0.025	0.001	1.7	0.20
02:00	0.029	0.027	0.002	2.3	0.22
02:05	0.026	0.025	0.001	2.9	0.24
02:10	0.029	0.027	0.002	3.2	0.26
02:15	0.029	0.027	0.002	4.0	0.29
02:20	0.029	0.027	0.002	4.8	0.32
02:25	0.029	0.027	0.002	5.1	0.36
02:30	0.029	0.027	0.002	5.3	0.39
02:35	0.029	0.027	0.002	5.4	0.43
02:40	0.029	0.027	0.002	5.5	0.47
02:45	0.032	0.027	0.005	7.2	0.52
02:50	0.032	0.027	0.005	10.3	0.59
02:55	0.032	0.027	0.005	12.4	0.68
03:00	0.032	0.027	0.005	13.5	0.77
03:05	0.032	0.027	0.005	14.2	0.87
03:10	0.035	0.027	0.008	16.2	0.98
03:15	0.035	0.027	0.008	19.6	1.11
03:20	0.035	0.027	0.008	22.1	1.27
03:25	0.038	0.027	0.011	24.7	1.44
03:30	0.042	0.027	0.015	30.1	1.64
03:35	0.045	0.027	0.018	37.3	1.90
03:40	0.045	0.027	0.018	44.0	2.20
03:45	0.048	0.027	0.021	49.7	2.54
03:50	0.048	0.027	0.021	55.0	2.92
03:55	0.051	0.027	0.024	60.3	3.34
04:00	0.051	0.027	0.024	65.6	3.79
04:05	0.054	0.027	0.027	70.9	4.28
04:10	0.058	0.027	0.031	77.4	4.81
04:15	0.061	0.027	0.034	85.6	5.40
04:20	0.064	0.027	0.037	94.4	6.05
04:25	0.067	0.027	0.040	103.7	6.77
04:30	0.067	0.027	0.040	111.7	7.54
04:35	0.070	0.027	0.043	118.4	8.35
04:40	0.074	0.027	0.047	126.1	9.22
04:45	0.077	0.027	0.050	135.1	10.15
04:50	0.077	0.027	0.050	143.0	11.13
04:55	0.080	0.027	0.053	149.7	12.17
05:00	0.083	0.027	0.056	157.2	13.25
05:05	0.099	0.027	0.072	172.2	14.43
05:10	0.115	0.027	0.088	199.9	15.81
05:15	0.125	0.027	0.098	233.5	17.42
05:20	0.134	0.027	0.107	265.0	19.24
05:25	0.150	0.027	0.123	298.3	21.30

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.027	0.152	343.4	23.66
05:35	0.061	0.027	0.034	334.8	25.97
05:40	0.029	0.027	0.002	238.3	27.61
05:45	0.019	0.019	0.000	144.7	28.61
05:50	0.016	0.016	0.000	95.9	29.27
05:55	0.010	0.009	0.000	67.7	29.73
06:00	0.006	0.006	0.000	52.9	30.10
06:05	0.000	0.000	0.000	39.0	30.37
06:10	0.000	0.000	0.000	29.6	30.57
06:15	0.000	0.000	0.000	26.4	30.75
06:20	0.000	0.000	0.000	24.6	30.92
06:25	0.000	0.000	0.000	22.9	31.08
06:30	0.000	0.000	0.000	20.8	31.22
06:35	0.000	0.000	0.000	18.3	31.35
06:40	0.000	0.000	0.000	15.3	31.45
06:45	0.000	0.000	0.000	12.0	31.54
06:50	0.000	0.000	0.000	8.3	31.59
06:55	0.000	0.000	0.000	4.0	31.62
07:00	0.000	0.000	0.000	0.7	31.62
07:05	0.000	0.000	0.000	0.1	31.63
07:10	0.000	0.000	0.000	0.0	31.63
07:15	0.000	0.000	0.000	0.0	31.63
07:20	0.000	0.000	0.000	0.0	31.63
07:25	0.000	0.000	0.000	0.0	31.63
07:30	0.000	0.000	0.000	0.0	31.63
07:35	0.000	0.000	0.000	0.0	31.63
07:40	0.000	0.000	0.000	0.0	31.63
07:45	0.000	0.000	0.000	0.0	31.63
07:50	0.000	0.000	0.000	0.0	31.63
07:55	0.000	0.000	0.000	0.0	31.63
08:00	0.000	0.000	0.000	0.0	31.63
08:05	0.000	0.000	0.000	0.0	31.63
08:10	0.000	0.000	0.000	0.0	31.63
08:15	0.000	0.000	0.000	0.0	31.63
08:20	0.000	0.000	0.000	0.0	31.63
08:25	0.000	0.000	0.000	0.0	31.63
08:30	0.000	0.000	0.000	0.0	31.63
08:35	0.000	0.000	0.000	0.0	31.63
08:40	0.000	0.000	0.000	0.0	31.63
08:45	0.000	0.000	0.000	0.0	31.63
08:50	0.000	0.000	0.000	0.0	31.63
08:55	0.000	0.000	0.000	0.0	31.63
09:00	0.000	0.000	0.000	0.0	31.63
09:05	0.000	0.000	0.000	0.0	31.63
09:10	0.000	0.000	0.000	0.0	31.63
09:15	0.000	0.000	0.000	0.0	31.63
09:20	0.000	0.000	0.000	0.0	31.63
09:25	0.000	0.000	0.000	0.0	31.63
09:30	0.000	0.000	0.000	0.0	31.63
09:35	0.000	0.000	0.000	0.0	31.63
09:40	0.000	0.000	0.000	0.0	31.63
09:45	0.000	0.000	0.000	0.0	31.63
09:50	0.000	0.000	0.000	0.0	31.63
09:55	0.000	0.000	0.000	0.0	31.63
10:00	0.000	0.000	0.000	0.0	31.63
10:05	0.000	0.000	0.000	0.0	31.63
10:10	0.000	0.000	0.000	0.0	31.63
10:15	0.000	0.000	0.000	0.0	31.63
10:20	0.000	0.000	0.000	0.0	31.63
10:25	0.000	0.000	0.000	0.0	31.63
10:30	0.000	0.000	0.000	0.0	31.63
10:35	0.000	0.000	0.000	0.0	31.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.007	0.009	6.0	0.04
00:10	0.019	0.007	0.012	12.3	0.13
00:15	0.019	0.007	0.012	15.2	0.23
00:20	0.019	0.007	0.012	16.5	0.34
00:25	0.019	0.007	0.012	17.0	0.46
00:30	0.022	0.007	0.015	19.5	0.59
00:35	0.022	0.007	0.015	21.3	0.74
00:40	0.022	0.007	0.015	22.2	0.89
00:45	0.022	0.007	0.015	22.8	1.05
00:50	0.022	0.007	0.015	23.0	1.21
00:55	0.022	0.007	0.015	23.1	1.37
01:00	0.026	0.007	0.019	25.3	1.54
01:05	0.026	0.007	0.019	26.9	1.73
01:10	0.026	0.007	0.019	27.4	1.92
01:15	0.026	0.007	0.019	27.7	2.11
01:20	0.026	0.007	0.019	27.8	2.30
01:25	0.026	0.007	0.019	27.9	2.49
01:30	0.026	0.007	0.019	28.0	2.68
01:35	0.026	0.007	0.019	28.1	2.88
01:40	0.026	0.007	0.019	28.2	3.07
01:45	0.026	0.007	0.019	28.2	3.27
01:50	0.026	0.007	0.019	28.2	3.46
01:55	0.026	0.007	0.019	28.2	3.65
02:00	0.029	0.007	0.022	30.3	3.86
02:05	0.026	0.007	0.019	29.7	4.07
02:10	0.029	0.007	0.022	30.8	4.28
02:15	0.029	0.007	0.022	32.1	4.50
02:20	0.029	0.007	0.022	32.4	4.72
02:25	0.029	0.007	0.022	32.6	4.95
02:30	0.029	0.007	0.022	32.7	5.17
02:35	0.029	0.007	0.022	32.8	5.40
02:40	0.029	0.007	0.022	32.9	5.63
02:45	0.032	0.007	0.025	35.0	5.87
02:50	0.032	0.007	0.025	36.6	6.12
02:55	0.032	0.007	0.025	37.1	6.37
03:00	0.032	0.007	0.025	37.4	6.63
03:05	0.032	0.007	0.025	37.5	6.89
03:10	0.035	0.007	0.028	39.7	7.16
03:15	0.035	0.007	0.028	41.3	7.45
03:20	0.035	0.007	0.028	41.8	7.74
03:25	0.038	0.007	0.031	44.3	8.04
03:30	0.042	0.007	0.035	48.0	8.37
03:35	0.045	0.007	0.038	52.2	8.73
03:40	0.045	0.007	0.038	54.5	9.11
03:45	0.048	0.007	0.041	57.6	9.50
03:50	0.048	0.007	0.041	59.7	9.91
03:55	0.051	0.007	0.044	62.6	10.35
04:00	0.051	0.007	0.044	64.6	10.79
04:05	0.054	0.007	0.047	67.6	11.26
04:10	0.058	0.007	0.051	71.7	11.75
04:15	0.061	0.007	0.054	76.1	12.27
04:20	0.064	0.007	0.057	80.6	12.83
04:25	0.067	0.007	0.060	85.3	13.42
04:30	0.067	0.007	0.060	87.8	14.02
04:35	0.070	0.007	0.063	91.1	14.65
04:40	0.074	0.007	0.067	95.4	15.31
04:45	0.077	0.007	0.070	99.9	15.99
04:50	0.077	0.007	0.070	102.5	16.70
04:55	0.080	0.007	0.073	105.8	17.43
05:00	0.083	0.007	0.076	110.0	18.19
05:05	0.099	0.007	0.092	122.9	19.03
05:10	0.115	0.007	0.108	141.9	20.01
05:15	0.125	0.007	0.118	158.8	21.10
05:20	0.134	0.007	0.127	173.8	22.30
05:25	0.150	0.007	0.143	192.5	23.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.007	0.172	222.4	25.16
05:35	0.061	0.007	0.054	162.3	26.28
05:40	0.029	0.007	0.022	94.0	26.92
05:45	0.019	0.007	0.012	59.1	27.33
05:50	0.016	0.007	0.009	39.2	27.60
05:55	0.010	0.005	0.005	29.0	27.80
06:00	0.006	0.003	0.003	21.7	27.95
06:05	0.000	0.000	0.000	14.4	28.05
06:10	0.000	0.000	0.000	8.1	28.10
06:15	0.000	0.000	0.000	3.1	28.12
06:20	0.000	0.000	0.000	1.4	28.13
06:25	0.000	0.000	0.000	0.8	28.14
06:30	0.000	0.000	0.000	0.5	28.14
06:35	0.000	0.000	0.000	0.2	28.14
06:40	0.000	0.000	0.000	0.1	28.15
06:45	0.000	0.000	0.000	0.0	28.15
06:50	0.000	0.000	0.000	0.0	28.15
06:55	0.000	0.000	0.000	0.0	28.15
07:00	0.000	0.000	0.000	0.0	28.15
07:05	0.000	0.000	0.000	0.0	28.15
07:10	0.000	0.000	0.000	0.0	28.15
07:15	0.000	0.000	0.000	0.0	28.15
07:20	0.000	0.000	0.000	0.0	28.15
07:25	0.000	0.000	0.000	0.0	28.15
07:30	0.000	0.000	0.000	0.0	28.15
07:35	0.000	0.000	0.000	0.0	28.15
07:40	0.000	0.000	0.000	0.0	28.15
07:45	0.000	0.000	0.000	0.0	28.15
07:50	0.000	0.000	0.000	0.0	28.15
07:55	0.000	0.000	0.000	0.0	28.15
08:00	0.000	0.000	0.000	0.0	28.15
08:05	0.000	0.000	0.000	0.0	28.15
08:10	0.000	0.000	0.000	0.0	28.15
08:15	0.000	0.000	0.000	0.0	28.15
08:20	0.000	0.000	0.000	0.0	28.15
08:25	0.000	0.000	0.000	0.0	28.15
08:30	0.000	0.000	0.000	0.0	28.15
08:35	0.000	0.000	0.000	0.0	28.15
08:40	0.000	0.000	0.000	0.0	28.15
08:45	0.000	0.000	0.000	0.0	28.15
08:50	0.000	0.000	0.000	0.0	28.15
08:55	0.000	0.000	0.000	0.0	28.15
09:00	0.000	0.000	0.000	0.0	28.15
09:05	0.000	0.000	0.000	0.0	28.15
09:10	0.000	0.000	0.000	0.0	28.15
09:15	0.000	0.000	0.000	0.0	28.15
09:20	0.000	0.000	0.000	0.0	28.15
09:25	0.000	0.000	0.000	0.0	28.15
09:30	0.000	0.000	0.000	0.0	28.15
09:35	0.000	0.000	0.000	0.0	28.15
09:40	0.000	0.000	0.000	0.0	28.15
09:45	0.000	0.000	0.000	0.0	28.15
09:50	0.000	0.000	0.000	0.0	28.15
09:55	0.000	0.000	0.000	0.0	28.15
10:00	0.000	0.000	0.000	0.0	28.15
10:05	0.000	0.000	0.000	0.0	28.15
10:10	0.000	0.000	0.000	0.0	28.15
10:15	0.000	0.000	0.000	0.0	28.15
10:20	0.000	0.000	0.000	0.0	28.15
10:25	0.000	0.000	0.000	0.0	28.15
10:30	0.000	0.000	0.000	0.0	28.15
10:35	0.000	0.000	0.000	0.0	28.15

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	6.0	0.00	0.04
00:10	12.3	0.00	0.13
00:15	15.2	0.00	0.23
00:20	16.5	0.00	0.34
00:25	17.0	0.99	0.46
00:30	19.5	1.92	0.59
00:35	21.3	2.81	0.74
00:40	22.2	3.60	0.89
00:45	22.8	3.99	1.05
00:50	23.0	4.23	1.21
00:55	23.1	4.38	1.37
01:00	25.3	4.43	1.54
01:05	26.9	4.46	1.73
01:10	27.4	4.47	1.92
01:15	27.7	4.54	2.11
01:20	27.8	4.63	2.30
01:25	27.9	4.70	2.49
01:30	28.0	4.72	2.68
01:35	28.1	4.74	2.88
01:40	28.2	4.74	3.07
01:45	28.2	4.75	3.27
01:50	28.2	4.75	3.46
01:55	28.2	4.75	3.65
02:00	30.3	4.76	3.86
02:05	29.7	4.76	4.07
02:10	30.8	4.76	4.28
02:15	32.1	4.82	4.50
02:20	32.4	4.83	4.72
02:25	32.6	4.87	4.95
02:30	32.7	4.92	5.17
02:35	32.8	4.96	5.40
02:40	32.9	4.97	5.63
02:45	35.0	4.98	5.87
02:50	36.6	4.98	6.12
02:55	37.1	4.99	6.37
03:00	37.4	5.06	6.63
03:05	37.5	5.13	6.89
03:10	39.7	5.17	7.16
03:15	41.3	5.18	7.45
03:20	41.8	5.20	7.74
03:25	44.3	5.26	8.04
03:30	48.0	5.33	8.37
03:35	52.2	5.37	8.73
03:40	54.5	5.47	9.11
03:45	57.6	5.60	9.50
03:50	59.7	5.74	9.91
03:55	62.6	5.83	10.35
04:00	64.6	5.92	10.79
04:05	67.6	6.00	11.26
04:10	71.7	6.08	11.75
04:15	76.1	6.15	12.27
04:20	80.6	6.25	12.83
04:25	85.3	6.36	13.42
04:30	87.8	6.48	14.02
04:35	91.1	6.60	14.65
04:40	95.4	6.69	15.31
04:45	99.9	6.76	15.99
04:50	102.5	6.85	16.70
04:55	105.8	6.95	17.43
05:00	110.0	7.02	18.19
05:05	122.9	7.09	19.03
05:10	141.9	7.18	20.01
05:15	158.8	7.40	21.10
05:20	173.8	7.72	22.30
05:25	192.5	8.02	23.63

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	222.4	8.27	25.16
05:35	162.3	8.57	26.28
05:40	94.0	8.80	26.92
05:45	59.1	8.07	27.33
05:50	39.2	7.20	27.60
05:55	29.0	6.45	27.80
06:00	21.7	5.83	27.95
06:05	14.4	5.35	28.05
06:10	8.1	4.95	28.10
06:15	3.1	4.61	28.12
06:20	1.4	4.26	28.13
06:25	0.8	3.90	28.14
06:30	0.5	3.51	28.14
06:35	0.2	3.19	28.14
06:40	0.1	2.87	28.15
06:45	0.0	2.62	28.15
06:50	0.0	2.40	28.15
06:55	0.0	2.22	28.15
07:00	0.0	2.04	28.15
07:05	0.0	1.91	28.15
07:10	0.0	1.77	28.15
07:15	0.0	1.66	28.15
07:20	0.0	1.57	28.15
07:25	0.0	1.46	28.15
07:30	0.0	1.37	28.15
07:35	0.0	1.31	28.15
07:40	0.0	1.25	28.15
07:45	0.0	1.18	28.15
07:50	0.0	1.11	28.15
07:55	0.0	1.08	28.15
08:00	0.0	1.04	28.15
08:05	0.0	0.99	28.15
08:10	0.0	0.94	28.15
08:15	0.0	0.90	28.15
08:20	0.0	0.88	28.15
08:25	0.0	0.85	28.15
08:30	0.0	0.83	28.15
08:35	0.0	0.80	28.15
08:40	0.0	0.76	28.15
08:45	0.0	0.74	28.15
08:50	0.0	0.72	28.15
08:55	0.0	0.70	28.15
09:00	0.0	0.69	28.15
09:05	0.0	0.67	28.15
09:10	0.0	0.65	28.15
09:15	0.0	0.63	28.15
09:20	0.0	0.60	28.15
09:25	0.0	0.59	28.15
09:30	0.0	0.58	28.15
09:35	0.0	0.57	28.15
09:40	0.0	0.56	28.15
09:45	0.0	0.55	28.15
09:50	0.0	0.53	28.15
09:55	0.0	0.52	28.15
10:00	0.0	0.51	28.15
10:05	0.0	0.49	28.15
10:10	0.0	0.48	28.15
10:15	0.0	0.48	28.15
10:20	0.0	0.47	28.15
10:25	0.0	0.46	28.15
10:30	0.0	0.45	28.15
10:35	0.0	0.45	28.15

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.000	0.1	0.00
02:05	0.026	0.026	0.000	0.1	0.00
02:10	0.029	0.028	0.000	0.2	0.00
02:15	0.029	0.028	0.000	0.3	0.00
02:20	0.029	0.028	0.000	0.3	0.01
02:25	0.029	0.028	0.000	0.3	0.01
02:30	0.029	0.028	0.000	0.3	0.01
02:35	0.029	0.028	0.000	0.3	0.01
02:40	0.029	0.028	0.000	0.3	0.01
02:45	0.032	0.028	0.004	1.2	0.02
02:50	0.032	0.028	0.004	1.9	0.04
02:55	0.032	0.028	0.004	2.1	0.05
03:00	0.032	0.028	0.004	2.3	0.07
03:05	0.032	0.028	0.004	2.3	0.08
03:10	0.035	0.028	0.007	3.3	0.10
03:15	0.035	0.028	0.007	4.0	0.13
03:20	0.035	0.028	0.007	4.2	0.16
03:25	0.038	0.028	0.010	5.3	0.20
03:30	0.042	0.028	0.013	7.0	0.25
03:35	0.045	0.028	0.016	8.8	0.31
03:40	0.045	0.028	0.016	9.9	0.38
03:45	0.048	0.028	0.020	11.3	0.45
03:50	0.048	0.028	0.020	12.2	0.54
03:55	0.051	0.028	0.023	13.5	0.63
04:00	0.051	0.028	0.023	14.4	0.73
04:05	0.054	0.028	0.026	15.7	0.84
04:10	0.058	0.028	0.029	17.6	0.96
04:15	0.061	0.028	0.032	19.5	1.09
04:20	0.064	0.028	0.036	21.5	1.24
04:25	0.067	0.028	0.039	23.6	1.40
04:30	0.067	0.028	0.039	24.8	1.57
04:35	0.070	0.028	0.042	26.2	1.75
04:40	0.074	0.028	0.045	28.1	1.95
04:45	0.077	0.028	0.048	30.1	2.16
04:50	0.077	0.028	0.048	31.3	2.37
04:55	0.080	0.028	0.052	32.8	2.60
05:00	0.083	0.028	0.055	34.6	2.84
05:05	0.099	0.028	0.071	40.3	3.11
05:10	0.115	0.028	0.087	48.8	3.45
05:15	0.125	0.028	0.096	56.3	3.84
05:20	0.134	0.028	0.106	63.0	4.27
05:25	0.150	0.028	0.122	71.3	4.76

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.151	84.6	5.34
05:35	0.061	0.028	0.032	58.4	5.75
05:40	0.029	0.028	0.000	27.8	5.94
05:45	0.019	0.019	0.000	14.9	6.04
05:50	0.016	0.016	0.000	8.7	6.10
05:55	0.010	0.010	0.000	6.6	6.15
06:00	0.006	0.006	0.000	5.3	6.18
06:05	0.000	0.000	0.000	3.9	6.21
06:10	0.000	0.000	0.000	2.3	6.22
06:15	0.000	0.000	0.000	0.4	6.23
06:20	0.000	0.000	0.000	0.0	6.23
06:25	0.000	0.000	0.000	0.0	6.23
06:30	0.000	0.000	0.000	0.0	6.23
06:35	0.000	0.000	0.000	0.0	6.23
06:40	0.000	0.000	0.000	0.0	6.23
06:45	0.000	0.000	0.000	0.0	6.23
06:50	0.000	0.000	0.000	0.0	6.23
06:55	0.000	0.000	0.000	0.0	6.23
07:00	0.000	0.000	0.000	0.0	6.23
07:05	0.000	0.000	0.000	0.0	6.23
07:10	0.000	0.000	0.000	0.0	6.23
07:15	0.000	0.000	0.000	0.0	6.23
07:20	0.000	0.000	0.000	0.0	6.23
07:25	0.000	0.000	0.000	0.0	6.23
07:30	0.000	0.000	0.000	0.0	6.23
07:35	0.000	0.000	0.000	0.0	6.23
07:40	0.000	0.000	0.000	0.0	6.23
07:45	0.000	0.000	0.000	0.0	6.23
07:50	0.000	0.000	0.000	0.0	6.23
07:55	0.000	0.000	0.000	0.0	6.23
08:00	0.000	0.000	0.000	0.0	6.23
08:05	0.000	0.000	0.000	0.0	6.23
08:10	0.000	0.000	0.000	0.0	6.23
08:15	0.000	0.000	0.000	0.0	6.23
08:20	0.000	0.000	0.000	0.0	6.23
08:25	0.000	0.000	0.000	0.0	6.23
08:30	0.000	0.000	0.000	0.0	6.23
08:35	0.000	0.000	0.000	0.0	6.23
08:40	0.000	0.000	0.000	0.0	6.23
08:45	0.000	0.000	0.000	0.0	6.23
08:50	0.000	0.000	0.000	0.0	6.23
08:55	0.000	0.000	0.000	0.0	6.23
09:00	0.000	0.000	0.000	0.0	6.23
09:05	0.000	0.000	0.000	0.0	6.23
09:10	0.000	0.000	0.000	0.0	6.23
09:15	0.000	0.000	0.000	0.0	6.23
09:20	0.000	0.000	0.000	0.0	6.23
09:25	0.000	0.000	0.000	0.0	6.23
09:30	0.000	0.000	0.000	0.0	6.23
09:35	0.000	0.000	0.000	0.0	6.23
09:40	0.000	0.000	0.000	0.0	6.23
09:45	0.000	0.000	0.000	0.0	6.23
09:50	0.000	0.000	0.000	0.0	6.23
09:55	0.000	0.000	0.000	0.0	6.23
10:00	0.000	0.000	0.000	0.0	6.23
10:05	0.000	0.000	0.000	0.0	6.23
10:10	0.000	0.000	0.000	0.0	6.23
10:15	0.000	0.000	0.000	0.0	6.23
10:20	0.000	0.000	0.000	0.0	6.23
10:25	0.000	0.000	0.000	0.0	6.23
10:30	0.000	0.000	0.000	0.0	6.23
10:35	0.000	0.000	0.000	0.0	6.23

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	1.0	0.01
00:20	1.0	0.01
00:25	1.0	0.02
00:30	3.0	0.04
00:35	7.0	0.09
00:40	14.0	0.19
00:45	19.0	0.32
00:50	23.0	0.48
00:55	27.0	0.66
01:00	37.0	0.92
01:05	76.0	1.44
01:10	109.0	2.19
01:15	130.0	3.09
01:20	198.0	4.45
01:25	291.0	6.45
01:30	325.0	8.69
01:35	348.0	11.09
01:40	376.0	13.68
01:45	404.0	16.46
01:50	427.0	19.40
01:55	446.0	22.47
02:00	462.0	25.65
02:05	474.0	28.92
02:10	484.0	32.25
02:15	497.0	35.67
02:20	509.0	39.18
02:25	526.0	42.80
02:30	548.0	46.58
02:35	572.0	50.52
02:40	595.0	54.61
02:45	619.0	58.88
02:50	641.0	63.29
02:55	662.0	67.85
03:00	687.0	72.58
03:05	719.0	77.53
03:10	759.0	82.76
03:15	803.0	88.29
03:20	847.0	94.13
03:25	902.0	100.34
03:30	975.0	107.05
03:35	1078.0	114.48
03:40	1215.0	122.84
03:45	1385.0	132.38
03:50	1575.0	143.23
03:55	1769.0	155.41
04:00	1959.0	168.90
04:05	2144.0	183.67
04:10	2335.0	199.75
04:15	2545.0	217.28
04:20	2784.0	236.45
04:25	3053.0	257.48
04:30	3343.0	280.50
04:35	3643.0	305.59
04:40	3938.0	332.71
04:45	4226.0	361.82
04:50	4511.0	392.89
04:55	4807.0	425.99
05:00	5109.0	461.18
05:05	5428.0	498.56
05:10	5813.0	538.60
05:15	6332.0	582.20
05:20	7028.0	630.61
05:25	7897.0	684.99

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	8934.0	746.52
05:35	9989.0	815.32
05:40	10547.0	887.95
05:45	10174.0	958.02
05:50	9118.0	1020.82
05:55	7803.0	1074.56
06:00	6634.0	1120.25
06:05	5727.0	1159.69
06:10	4993.0	1194.08
06:15	4414.0	1224.48
06:20	3899.0	1251.33
06:25	3379.0	1274.60
06:30	2899.0	1294.57
06:35	2501.0	1311.79
06:40	2191.0	1326.88
06:45	1947.0	1340.29
06:50	1746.0	1352.31
06:55	1576.0	1363.17
07:00	1439.0	1373.08
07:05	1326.0	1382.21
07:10	1219.0	1390.61
07:15	1119.0	1398.31
07:20	1033.0	1405.43
07:25	960.0	1412.04
07:30	895.0	1418.20
07:35	832.0	1423.93
07:40	768.0	1429.22
07:45	704.0	1434.07
07:50	640.0	1438.48
07:55	576.0	1442.44
08:00	515.0	1445.99
08:05	461.0	1449.17
08:10	419.0	1452.05
08:15	387.0	1454.72
08:20	366.0	1457.24
08:25	350.0	1459.65
08:30	337.0	1461.97
08:35	323.0	1464.19
08:40	310.0	1466.33
08:45	296.0	1468.37
08:50	283.0	1470.32
08:55	273.0	1472.20
09:00	267.0	1474.04
09:05	261.0	1475.83
09:10	256.0	1477.60
09:15	250.0	1479.32
09:20	244.0	1481.00
09:25	239.0	1482.64
09:30	234.0	1484.26
09:35	228.0	1485.83
09:40	223.0	1487.36
09:45	217.0	1488.86
09:50	212.0	1490.32
09:55	205.0	1491.73
10:00	199.0	1493.10
10:05	192.0	1494.42
10:10	186.0	1495.70
10:15	179.0	1496.94
10:20	172.0	1498.12
10:25	164.0	1499.25
10:30	157.0	1500.33
10:35	149.0	1501.36

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	1.0	0.00	0.01
00:20	1.0	0.00	0.01
00:25	1.0	0.04	0.02
00:30	3.0	0.14	0.04
00:35	7.0	0.33	0.09
00:40	14.0	0.65	0.19
00:45	19.0	1.29	0.32
00:50	23.0	1.76	0.48
00:55	27.0	1.94	0.66
01:00	37.0	2.07	0.92
01:05	76.0	2.43	1.44
01:10	109.0	3.17	2.19
01:15	130.0	3.56	3.09
01:20	198.0	4.00	4.45
01:25	291.0	4.70	6.45
01:30	325.0	5.11	8.69
01:35	348.0	5.28	11.09
01:40	376.0	5.42	13.68
01:45	404.0	5.57	16.46
01:50	427.0	5.70	19.40
01:55	446.0	5.80	22.47
02:00	462.0	5.89	25.65
02:05	474.0	5.95	28.92
02:10	484.0	6.00	32.25
02:15	497.0	6.06	35.67
02:20	509.0	6.11	39.18
02:25	526.0	6.18	42.80
02:30	548.0	6.27	46.58
02:35	572.0	6.37	50.52
02:40	595.0	6.47	54.61
02:45	619.0	6.56	58.88
02:50	641.0	6.65	63.29
02:55	662.0	6.73	67.85
03:00	687.0	6.82	72.58
03:05	719.0	6.93	77.53
03:10	759.0	7.06	82.76
03:15	803.0	7.21	88.29
03:20	847.0	7.36	94.13
03:25	902.0	7.53	100.34
03:30	975.0	7.73	107.05
03:35	1078.0	8.01	114.48
03:40	1215.0	8.36	122.84
03:45	1385.0	8.77	132.38
03:50	1575.0	9.21	143.23
03:55	1769.0	9.62	155.41
04:00	1959.0	10.01	168.90
04:05	2144.0	10.36	183.67
04:10	2335.0	10.69	199.75
04:15	2545.0	11.04	217.28
04:20	2784.0	11.41	236.45
04:25	3053.0	11.81	257.48
04:30	3343.0	12.22	280.50
04:35	3643.0	12.61	305.59
04:40	3938.0	12.99	332.71
04:45	4226.0	13.34	361.82
04:50	4511.0	13.67	392.89
04:55	4807.0	14.00	425.99
05:00	5109.0	14.32	461.18
05:05	5428.0	14.65	498.56
05:10	5813.0	15.02	538.60
05:15	6332.0	15.49	582.20
05:20	7028.0	16.08	630.61
05:25	7897.0	16.78	684.99

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	8934.0	17.57	746.52
05:35	9989.0	18.32	815.32
05:40	10547.0	18.73	887.95
05:45	10174.0	18.56	958.02
05:50	9118.0	17.89	1020.82
05:55	7803.0	16.94	1074.56
06:00	6634.0	15.97	1120.25
06:05	5727.0	15.12	1159.69
06:10	4993.0	14.37	1194.08
06:15	4414.0	13.72	1224.48
06:20	3899.0	13.11	1251.33
06:25	3379.0	12.46	1274.60
06:30	2899.0	11.79	1294.57
06:35	2501.0	11.17	1311.79
06:40	2191.0	10.63	1326.88
06:45	1947.0	10.17	1340.29
06:50	1746.0	9.76	1352.31
06:55	1576.0	9.40	1363.17
07:00	1439.0	9.08	1373.08
07:05	1326.0	8.80	1382.21
07:10	1219.0	8.54	1390.61
07:15	1119.0	8.28	1398.31
07:20	1033.0	8.03	1405.43
07:25	960.0	7.81	1412.04
07:30	895.0	7.61	1418.20
07:35	832.0	7.42	1423.93
07:40	768.0	7.21	1429.22
07:45	704.0	6.99	1434.07
07:50	640.0	6.76	1438.48
07:55	576.0	6.51	1442.44
08:00	515.0	6.26	1445.99
08:05	461.0	6.01	1449.17
08:10	419.0	5.79	1452.05
08:15	387.0	5.61	1454.72
08:20	366.0	5.48	1457.24
08:25	350.0	5.38	1459.65
08:30	337.0	5.30	1461.97
08:35	323.0	5.22	1464.19
08:40	310.0	5.14	1466.33
08:45	296.0	5.06	1468.37
08:50	283.0	4.98	1470.32
08:55	273.0	4.90	1472.20
09:00	267.0	4.85	1474.04
09:05	261.0	4.81	1475.83
09:10	256.0	4.77	1477.60
09:15	250.0	4.74	1479.32
09:20	244.0	4.70	1481.00
09:25	239.0	4.66	1482.64
09:30	234.0	4.62	1484.26
09:35	228.0	4.58	1485.83
09:40	223.0	4.54	1487.36
09:45	217.0	4.50	1488.86
09:50	212.0	4.46	1490.32
09:55	205.0	4.41	1491.73
10:00	199.0	4.36	1493.10
10:05	192.0	4.31	1494.42
10:10	186.0	4.26	1495.70
10:15	179.0	4.20	1496.94
10:20	172.0	4.14	1498.12
10:25	164.0	4.08	1499.25
10:30	157.0	4.01	1500.33
10:35	149.0	3.94	1501.36

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.017	0.015	0.002	2.3	0.02
00:10	0.020	0.018	0.003	5.8	0.06
00:15	0.020	0.018	0.003	11.2	0.13
00:20	0.020	0.018	0.003	18.3	0.26
00:25	0.020	0.018	0.003	24.6	0.43
00:30	0.024	0.020	0.003	29.3	0.63
00:35	0.024	0.020	0.003	33.0	0.86
00:40	0.024	0.020	0.003	35.9	1.10
00:45	0.024	0.020	0.003	38.9	1.37
00:50	0.024	0.020	0.003	41.4	1.66
00:55	0.024	0.020	0.003	43.0	1.95
01:00	0.027	0.022	0.005	45.9	2.27
01:05	0.027	0.022	0.005	49.2	2.61
01:10	0.027	0.022	0.005	53.6	2.98
01:15	0.027	0.022	0.005	58.9	3.38
01:20	0.027	0.022	0.005	63.1	3.82
01:25	0.027	0.022	0.005	65.8	4.27
01:30	0.027	0.022	0.005	67.9	4.74
01:35	0.027	0.022	0.005	69.2	5.22
01:40	0.027	0.022	0.005	70.6	5.70
01:45	0.027	0.022	0.005	71.8	6.20
01:50	0.027	0.022	0.005	72.5	6.70
01:55	0.027	0.022	0.005	73.2	7.20
02:00	0.031	0.022	0.008	77.3	7.73
02:05	0.027	0.022	0.005	79.1	8.28
02:10	0.031	0.022	0.008	85.5	8.87
02:15	0.031	0.022	0.008	92.5	9.50
02:20	0.031	0.022	0.008	98.1	10.18
02:25	0.031	0.022	0.008	104.7	10.90
02:30	0.031	0.022	0.008	111.1	11.66
02:35	0.031	0.022	0.008	114.8	12.46
02:40	0.031	0.022	0.008	118.6	13.27
02:45	0.034	0.022	0.012	124.1	14.13
02:50	0.034	0.022	0.012	130.1	15.02
02:55	0.034	0.022	0.012	139.1	15.98
03:00	0.034	0.022	0.012	149.3	17.01
03:05	0.034	0.022	0.012	157.7	18.10
03:10	0.037	0.022	0.015	166.9	19.24
03:15	0.037	0.022	0.015	175.5	20.45
03:20	0.037	0.022	0.015	185.2	21.73
03:25	0.041	0.022	0.019	200.0	23.11
03:30	0.044	0.022	0.022	217.2	24.60
03:35	0.048	0.022	0.025	237.7	26.24
03:40	0.048	0.022	0.025	262.5	28.05
03:45	0.051	0.022	0.029	292.1	30.06
03:50	0.051	0.022	0.029	320.5	32.27
03:55	0.054	0.022	0.032	349.2	34.67
04:00	0.054	0.022	0.032	374.5	37.25
04:05	0.058	0.022	0.036	400.8	40.01
04:10	0.061	0.022	0.039	429.4	42.97
04:15	0.065	0.022	0.042	460.9	46.14
04:20	0.068	0.022	0.046	496.2	49.56
04:25	0.071	0.022	0.049	536.2	53.25
04:30	0.071	0.022	0.049	575.8	57.22
04:35	0.075	0.022	0.053	616.7	61.46
04:40	0.078	0.022	0.056	656.8	65.99
04:45	0.082	0.022	0.059	695.3	70.78
04:50	0.082	0.022	0.059	733.3	75.83
04:55	0.085	0.022	0.063	773.3	81.15
05:00	0.088	0.022	0.066	812.5	86.75
05:05	0.105	0.022	0.083	865.0	92.71
05:10	0.122	0.022	0.100	937.4	99.16
05:15	0.133	0.022	0.110	1033.4	106.28
05:20	0.143	0.022	0.121	1158.6	114.26
05:25	0.160	0.022	0.138	1307.3	123.26

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.190	0.022	0.168	1479.4	133.45
05:35	0.065	0.022	0.042	1531.0	143.99
05:40	0.031	0.022	0.008	1514.0	154.42
05:45	0.020	0.018	0.003	1383.0	163.95
05:50	0.017	0.015	0.002	1113.4	171.61
05:55	0.010	0.009	0.001	838.5	177.39
06:00	0.007	0.006	0.001	645.3	181.83
06:05	0.000	0.000	0.000	505.8	185.32
06:10	0.000	0.000	0.000	429.0	188.27
06:15	0.000	0.000	0.000	364.2	190.78
06:20	0.000	0.000	0.000	299.8	192.84
06:25	0.000	0.000	0.000	265.8	194.67
06:30	0.000	0.000	0.000	238.7	196.32
06:35	0.000	0.000	0.000	211.1	197.77
06:40	0.000	0.000	0.000	181.0	199.02
06:45	0.000	0.000	0.000	146.0	200.02
06:50	0.000	0.000	0.000	122.2	200.87
06:55	0.000	0.000	0.000	114.7	201.66
07:00	0.000	0.000	0.000	111.1	202.42
07:05	0.000	0.000	0.000	107.8	203.16
07:10	0.000	0.000	0.000	104.5	203.88
07:15	0.000	0.000	0.000	101.1	204.58
07:20	0.000	0.000	0.000	97.5	205.25
07:25	0.000	0.000	0.000	93.8	205.90
07:30	0.000	0.000	0.000	89.9	206.52
07:35	0.000	0.000	0.000	85.9	207.11
07:40	0.000	0.000	0.000	81.7	207.67
07:45	0.000	0.000	0.000	77.1	208.20
07:50	0.000	0.000	0.000	72.5	208.70
07:55	0.000	0.000	0.000	67.7	209.17
08:00	0.000	0.000	0.000	62.7	209.60
08:05	0.000	0.000	0.000	56.7	209.99
08:10	0.000	0.000	0.000	49.4	210.33
08:15	0.000	0.000	0.000	41.1	210.61
08:20	0.000	0.000	0.000	32.0	210.83
08:25	0.000	0.000	0.000	21.8	210.98
08:30	0.000	0.000	0.000	9.6	211.05
08:35	0.000	0.000	0.000	2.5	211.07
08:40	0.000	0.000	0.000	0.8	211.07
08:45	0.000	0.000	0.000	0.5	211.08
08:50	0.000	0.000	0.000	0.3	211.08
08:55	0.000	0.000	0.000	0.1	211.08
09:00	0.000	0.000	0.000	0.0	211.08
09:05	0.000	0.000	0.000	0.0	211.08
09:10	0.000	0.000	0.000	0.0	211.08
09:15	0.000	0.000	0.000	0.0	211.08
09:20	0.000	0.000	0.000	0.0	211.08
09:25	0.000	0.000	0.000	0.0	211.08
09:30	0.000	0.000	0.000	0.0	211.08
09:35	0.000	0.000	0.000	0.0	211.08
09:40	0.000	0.000	0.000	0.0	211.08
09:45	0.000	0.000	0.000	0.0	211.08
09:50	0.000	0.000	0.000	0.0	211.08
09:55	0.000	0.000	0.000	0.0	211.08
10:00	0.000	0.000	0.000	0.0	211.08
10:05	0.000	0.000	0.000	0.0	211.08
10:10	0.000	0.000	0.000	0.0	211.08
10:15	0.000	0.000	0.000	0.0	211.08
10:20	0.000	0.000	0.000	0.0	211.08
10:25	0.000	0.000	0.000	0.0	211.08
10:30	0.000	0.000	0.000	0.0	211.08
10:35	0.000	0.000	0.000	0.0	211.08

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	2.3	0.06	0.02
00:10	5.8	2.89	0.06
00:15	11.2	4.31	0.13
00:20	18.3	5.45	0.26
00:25	24.6	6.29	0.43
00:30	29.3	6.84	0.63
00:35	33.0	7.22	0.86
00:40	35.9	7.49	1.10
00:45	38.9	7.73	1.37
00:50	41.4	7.94	1.66
00:55	43.0	8.09	1.95
01:00	45.9	8.28	2.27
01:05	49.2	8.51	2.61
01:10	53.6	8.80	2.98
01:15	58.9	9.13	3.38
01:20	63.1	9.41	3.82
01:25	65.8	9.59	4.27
01:30	67.9	9.71	4.74
01:35	69.2	9.80	5.22
01:40	70.6	9.87	5.70
01:45	71.8	9.94	6.20
01:50	72.5	9.99	6.70
01:55	73.2	10.03	7.20
02:00	77.3	10.21	7.73
02:05	79.1	10.33	8.28
02:10	85.5	10.62	8.87
02:15	92.5	10.96	9.50
02:20	98.1	11.24	10.18
02:25	104.7	11.53	10.90
02:30	111.1	11.82	11.66
02:35	114.8	11.99	12.46
02:40	118.6	12.15	13.27
02:45	124.1	12.36	14.13
02:50	130.1	12.60	15.02
02:55	139.1	12.92	15.98
03:00	149.3	13.29	17.01
03:05	157.7	13.60	18.10
03:10	166.9	13.91	19.24
03:15	175.5	14.20	20.45
03:20	185.2	14.51	21.73
03:25	200.0	14.95	23.11
03:30	217.2	15.44	24.60
03:35	237.7	16.01	26.24
03:40	262.5	16.65	28.05
03:45	292.1	17.38	30.06
03:50	320.5	18.05	32.27
03:55	349.2	18.68	34.67
04:00	374.5	19.23	37.25
04:05	400.8	19.76	40.01
04:10	429.4	20.31	42.97
04:15	460.9	20.90	46.14
04:20	496.2	21.52	49.56
04:25	536.2	22.20	53.25
04:30	575.8	22.85	57.22
04:35	616.7	23.49	61.46
04:40	656.8	24.09	65.99
04:45	695.3	24.65	70.78
04:50	733.3	25.18	75.83
04:55	773.3	25.73	81.15
05:00	812.5	26.24	86.75
05:05	865.0	26.90	92.71
05:10	937.4	27.77	99.16
05:15	1033.4	28.86	106.28
05:20	1158.6	30.21	114.26
05:25	1307.3	31.70	123.26

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1479.4	33.31	133.45
05:35	1531.0	33.83	143.99
05:40	1514.0	33.72	154.42
05:45	1383.0	32.58	163.95
05:50	1113.4	29.99	171.61
05:55	838.5	26.85	177.39
06:00	645.3	24.19	181.83
06:05	505.8	21.94	185.32
06:10	429.0	20.49	188.27
06:15	364.2	19.20	190.78
06:20	299.8	17.79	192.84
06:25	265.8	16.90	194.67
06:30	238.7	16.18	196.32
06:35	211.1	15.42	197.77
06:40	181.0	14.54	199.02
06:45	146.0	13.40	200.02
06:50	122.2	12.46	200.87
06:55	114.7	12.06	201.66
07:00	111.1	11.88	202.42
07:05	107.8	11.74	203.16
07:10	104.5	11.59	203.88
07:15	101.1	11.44	204.58
07:20	97.5	11.28	205.25
07:25	93.8	11.11	205.90
07:30	89.9	10.93	206.52
07:35	85.9	10.73	207.11
07:40	81.7	10.52	207.67
07:45	77.1	10.29	208.20
07:50	72.5	10.04	208.70
07:55	67.7	9.78	209.17
08:00	62.7	9.49	209.60
08:05	56.7	9.14	209.99
08:10	49.4	8.68	210.33
08:15	41.1	8.11	210.61
08:20	32.0	7.41	210.83
08:25	21.8	6.50	210.98
08:30	9.6	5.16	211.05
08:35	2.5	3.68	211.07
08:40	0.8	2.43	211.07
08:45	0.5	1.76	211.08
08:50	0.3	1.42	211.08
08:55	0.1	1.19	211.08
09:00	0.0	0.99	211.08
09:05	0.0	0.81	211.08
09:10	0.0	0.65	211.08
09:15	0.0	0.53	211.08
09:20	0.0	0.44	211.08
09:25	0.0	0.37	211.08
09:30	0.0	0.32	211.08
09:35	0.0	0.28	211.08
09:40	0.0	0.25	211.08
09:45	0.0	0.23	211.08
09:50	0.0	0.21	211.08
09:55	0.0	0.19	211.08
10:00	0.0	0.18	211.08
10:05	0.0	0.17	211.08
10:10	0.0	0.15	211.08
10:15	0.0	0.15	211.08
10:20	0.0	0.14	211.08
10:25	0.0	0.13	211.08
10:30	0.0	0.12	211.08
10:35	0.0	0.12	211.08

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	3.3	0.00	0.02
00:15	8.9	0.24	0.08
00:20	15.9	1.76	0.19
00:25	22.7	3.58	0.35
00:30	28.1	4.45	0.54
00:35	32.1	4.83	0.76
00:40	35.2	5.06	1.01
00:45	38.2	5.22	1.27
00:50	40.8	5.36	1.55
00:55	42.7	5.47	1.85
01:00	45.3	5.55	2.16
01:05	48.5	5.65	2.49
01:10	52.7	5.77	2.85
01:15	57.8	5.92	3.25
01:20	62.3	6.09	3.68
01:25	65.3	6.23	4.13
01:30	67.5	6.31	4.60
01:35	69.0	6.37	5.07
01:40	70.3	6.42	5.56
01:45	71.5	6.45	6.05
01:50	72.4	6.48	6.55
01:55	73.1	6.51	7.05
02:00	76.5	6.54	7.58
02:05	78.8	6.62	8.12
02:10	84.4	6.69	8.70
02:15	91.3	6.84	9.33
02:20	97.1	7.00	10.00
02:25	103.6	7.13	10.71
02:30	110.1	7.28	11.47
02:35	114.2	7.40	12.26
02:40	118.0	7.48	13.07
02:45	123.3	7.56	13.92
02:50	129.2	7.66	14.81
02:55	137.8	7.78	15.76
03:00	147.8	7.94	16.77
03:05	156.6	8.11	17.85
03:10	165.6	8.25	18.99
03:15	174.4	8.39	20.19
03:20	183.9	8.52	21.46
03:25	198.2	8.68	22.83
03:30	215.1	8.89	24.31
03:35	235.3	9.12	25.93
03:40	259.8	9.38	27.72
03:45	288.9	9.68	29.71
03:50	317.6	9.99	31.89
03:55	346.3	10.27	34.28
04:00	372.0	10.52	36.84
04:05	398.4	10.75	39.59
04:10	426.8	10.98	42.52
04:15	458.1	11.21	45.68
04:20	493.2	11.46	49.08
04:25	532.9	11.73	52.75
04:30	572.5	12.00	56.69
04:35	613.5	12.25	60.91
04:40	653.7	12.50	65.42
04:45	692.4	12.73	70.19
04:50	730.5	12.95	75.22
04:55	770.4	13.16	80.52
05:00	809.7	13.36	86.10
05:05	861.4	13.60	92.03
05:10	932.5	13.90	98.45
05:15	1027.3	14.28	105.53
05:20	1150.9	14.76	113.45
05:25	1298.6	15.30	122.40

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1469.7	15.88	132.52
05:35	1528.2	16.21	143.04
05:40	1514.9	16.26	153.48
05:45	1390.3	15.98	163.05
05:50	1130.1	15.25	170.84
05:55	857.6	14.20	176.74
06:00	660.2	13.14	181.29
06:05	517.7	12.20	184.85
06:10	436.0	11.47	187.86
06:15	370.5	10.92	190.41
06:20	306.5	10.38	192.52
06:25	269.6	9.89	194.38
06:30	241.8	9.54	196.04
06:35	214.4	9.23	197.52
06:40	184.9	8.89	198.79
06:45	150.8	8.47	199.83
06:50	125.8	8.00	200.70
06:55	115.9	7.64	201.50
07:00	111.6	7.48	202.26
07:05	108.4	7.40	203.01
07:10	105.0	7.33	203.73
07:15	101.6	7.26	204.43
07:20	98.1	7.19	205.11
07:25	94.4	7.11	205.76
07:30	90.6	7.03	206.38
07:35	86.6	6.95	206.98
07:40	82.4	6.85	207.55
07:45	78.0	6.75	208.08
07:50	73.4	6.64	208.59
07:55	68.6	6.52	209.06
08:00	63.7	6.39	209.50
08:05	57.9	6.25	209.90
08:10	51.0	6.07	210.25
08:15	43.0	5.85	210.55
08:20	34.3	5.57	210.78
08:25	24.7	5.23	210.95
08:30	13.9	4.81	211.05
08:35	6.0	4.24	211.09
08:40	2.1	3.62	211.10
08:45	0.9	3.00	211.11
08:50	0.6	2.51	211.12
08:55	0.4	2.12	211.12
09:00	0.2	1.85	211.12
09:05	0.1	1.65	211.12
09:10	0.1	1.50	211.12
09:15	0.0	1.36	211.12
09:20	0.0	1.24	211.12
09:25	0.0	1.14	211.12
09:30	0.0	1.05	211.12
09:35	0.0	0.96	211.12
09:40	0.0	0.90	211.12
09:45	0.0	0.83	211.12
09:50	0.0	0.77	211.12
09:55	0.0	0.72	211.12
10:00	0.0	0.68	211.12
10:05	0.0	0.64	211.12
10:10	0.0	0.60	211.12
10:15	0.0	0.57	211.12
10:20	0.0	0.55	211.12
10:25	0.0	0.52	211.12
10:30	0.0	0.49	211.12
10:35	0.0	0.48	211.12

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.009	0.007	4.7	0.03
00:10	0.019	0.009	0.010	10.2	0.10
00:15	0.019	0.009	0.010	12.7	0.19
00:20	0.019	0.009	0.010	13.8	0.29
00:25	0.019	0.009	0.010	14.3	0.38
00:30	0.022	0.009	0.013	16.9	0.50
00:35	0.022	0.009	0.013	18.8	0.63
00:40	0.022	0.009	0.013	19.6	0.76
00:45	0.022	0.009	0.013	20.1	0.90
00:50	0.022	0.009	0.013	20.3	1.04
00:55	0.022	0.009	0.013	20.4	1.18
01:00	0.026	0.009	0.016	22.7	1.34
01:05	0.026	0.009	0.016	24.4	1.51
01:10	0.026	0.009	0.016	24.9	1.68
01:15	0.026	0.009	0.016	25.2	1.85
01:20	0.026	0.009	0.016	25.3	2.03
01:25	0.026	0.009	0.016	25.4	2.20
01:30	0.026	0.009	0.016	25.5	2.38
01:35	0.026	0.009	0.016	25.6	2.55
01:40	0.026	0.009	0.016	25.7	2.73
01:45	0.026	0.009	0.016	25.7	2.91
01:50	0.026	0.009	0.016	25.7	3.08
01:55	0.026	0.009	0.016	25.7	3.26
02:00	0.029	0.009	0.019	28.0	3.45
02:05	0.026	0.009	0.016	27.2	3.64
02:10	0.029	0.009	0.019	28.5	3.84
02:15	0.029	0.009	0.019	29.8	4.04
02:20	0.029	0.009	0.019	30.1	4.25
02:25	0.029	0.009	0.019	30.4	4.46
02:30	0.029	0.009	0.019	30.5	4.67
02:35	0.029	0.009	0.019	30.6	4.88
02:40	0.029	0.009	0.019	30.6	5.09
02:45	0.032	0.009	0.023	33.0	5.32
02:50	0.032	0.009	0.023	34.5	5.55
02:55	0.032	0.009	0.023	35.0	5.80
03:00	0.032	0.009	0.023	35.3	6.04
03:05	0.032	0.009	0.023	35.4	6.28
03:10	0.035	0.009	0.026	37.8	6.54
03:15	0.035	0.009	0.026	39.4	6.82
03:20	0.035	0.009	0.026	40.0	7.09
03:25	0.038	0.009	0.029	42.7	7.38
03:30	0.042	0.009	0.032	46.6	7.71
03:35	0.045	0.009	0.035	50.9	8.06
03:40	0.045	0.009	0.035	53.4	8.42
03:45	0.048	0.009	0.039	56.6	8.81
03:50	0.048	0.009	0.039	58.7	9.22
03:55	0.051	0.009	0.042	61.8	9.64
04:00	0.051	0.009	0.042	63.9	10.08
04:05	0.054	0.009	0.045	67.0	10.54
04:10	0.058	0.009	0.048	71.4	11.04
04:15	0.061	0.009	0.051	76.0	11.56
04:20	0.064	0.009	0.055	80.7	12.12
04:25	0.067	0.009	0.058	85.6	12.71
04:30	0.067	0.009	0.058	88.2	13.31
04:35	0.070	0.009	0.061	91.6	13.94
04:40	0.074	0.009	0.064	96.1	14.61
04:45	0.077	0.009	0.067	100.9	15.30
04:50	0.077	0.009	0.067	103.6	16.01
04:55	0.080	0.009	0.071	107.0	16.75
05:00	0.083	0.009	0.074	111.5	17.52
05:05	0.099	0.009	0.090	125.2	18.38
05:10	0.115	0.009	0.106	145.3	19.38
05:15	0.125	0.009	0.115	162.9	20.50
05:20	0.134	0.009	0.125	178.6	21.73
05:25	0.150	0.009	0.141	198.2	23.10

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.009	0.170	229.9	24.68
05:35	0.061	0.009	0.051	164.1	25.81
05:40	0.029	0.009	0.019	93.1	26.45
05:45	0.019	0.009	0.010	56.9	26.84
05:50	0.016	0.009	0.007	36.8	27.10
05:55	0.010	0.006	0.004	27.1	27.28
06:00	0.006	0.004	0.003	20.4	27.43
06:05	0.000	0.000	0.000	13.3	27.52
06:10	0.000	0.000	0.000	7.0	27.56
06:15	0.000	0.000	0.000	2.6	27.58
06:20	0.000	0.000	0.000	1.1	27.59
06:25	0.000	0.000	0.000	0.6	27.59
06:30	0.000	0.000	0.000	0.3	27.60
06:35	0.000	0.000	0.000	0.2	27.60
06:40	0.000	0.000	0.000	0.1	27.60
06:45	0.000	0.000	0.000	0.0	27.60
06:50	0.000	0.000	0.000	0.0	27.60
06:55	0.000	0.000	0.000	0.0	27.60
07:00	0.000	0.000	0.000	0.0	27.60
07:05	0.000	0.000	0.000	0.0	27.60
07:10	0.000	0.000	0.000	0.0	27.60
07:15	0.000	0.000	0.000	0.0	27.60
07:20	0.000	0.000	0.000	0.0	27.60
07:25	0.000	0.000	0.000	0.0	27.60
07:30	0.000	0.000	0.000	0.0	27.60
07:35	0.000	0.000	0.000	0.0	27.60
07:40	0.000	0.000	0.000	0.0	27.60
07:45	0.000	0.000	0.000	0.0	27.60
07:50	0.000	0.000	0.000	0.0	27.60
07:55	0.000	0.000	0.000	0.0	27.60
08:00	0.000	0.000	0.000	0.0	27.60
08:05	0.000	0.000	0.000	0.0	27.60
08:10	0.000	0.000	0.000	0.0	27.60
08:15	0.000	0.000	0.000	0.0	27.60
08:20	0.000	0.000	0.000	0.0	27.60
08:25	0.000	0.000	0.000	0.0	27.60
08:30	0.000	0.000	0.000	0.0	27.60
08:35	0.000	0.000	0.000	0.0	27.60
08:40	0.000	0.000	0.000	0.0	27.60
08:45	0.000	0.000	0.000	0.0	27.60
08:50	0.000	0.000	0.000	0.0	27.60
08:55	0.000	0.000	0.000	0.0	27.60
09:00	0.000	0.000	0.000	0.0	27.60
09:05	0.000	0.000	0.000	0.0	27.60
09:10	0.000	0.000	0.000	0.0	27.60
09:15	0.000	0.000	0.000	0.0	27.60
09:20	0.000	0.000	0.000	0.0	27.60
09:25	0.000	0.000	0.000	0.0	27.60
09:30	0.000	0.000	0.000	0.0	27.60
09:35	0.000	0.000	0.000	0.0	27.60
09:40	0.000	0.000	0.000	0.0	27.60
09:45	0.000	0.000	0.000	0.0	27.60
09:50	0.000	0.000	0.000	0.0	27.60
09:55	0.000	0.000	0.000	0.0	27.60
10:00	0.000	0.000	0.000	0.0	27.60
10:05	0.000	0.000	0.000	0.0	27.60
10:10	0.000	0.000	0.000	0.0	27.60
10:15	0.000	0.000	0.000	0.0	27.60
10:20	0.000	0.000	0.000	0.0	27.60
10:25	0.000	0.000	0.000	0.0	27.60
10:30	0.000	0.000	0.000	0.0	27.60
10:35	0.000	0.000	0.000	0.0	27.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.009	0.007	2.3	0.02
00:10	0.019	0.010	0.009	4.5	0.05
00:15	0.019	0.010	0.009	5.4	0.08
00:20	0.019	0.010	0.009	5.8	0.12
00:25	0.019	0.010	0.009	6.0	0.16
00:30	0.022	0.010	0.013	7.1	0.21
00:35	0.022	0.010	0.013	7.9	0.27
00:40	0.022	0.010	0.013	8.3	0.33
00:45	0.022	0.010	0.013	8.5	0.38
00:50	0.022	0.010	0.013	8.6	0.44
00:55	0.022	0.010	0.013	8.6	0.50
01:00	0.026	0.010	0.016	9.6	0.57
01:05	0.026	0.010	0.016	10.4	0.64
01:10	0.026	0.010	0.016	10.6	0.71
01:15	0.026	0.010	0.016	10.7	0.79
01:20	0.026	0.010	0.016	10.8	0.86
01:25	0.026	0.010	0.016	10.8	0.94
01:30	0.026	0.010	0.016	10.9	1.01
01:35	0.026	0.010	0.016	10.9	1.09
01:40	0.026	0.010	0.016	10.9	1.16
01:45	0.026	0.010	0.016	10.9	1.24
01:50	0.026	0.010	0.016	10.9	1.31
01:55	0.026	0.010	0.016	10.9	1.39
02:00	0.029	0.010	0.019	12.0	1.47
02:05	0.026	0.010	0.016	11.6	1.55
02:10	0.029	0.010	0.019	12.2	1.63
02:15	0.029	0.010	0.019	12.7	1.72
02:20	0.029	0.010	0.019	12.9	1.81
02:25	0.029	0.010	0.019	13.0	1.90
02:30	0.029	0.010	0.019	13.1	1.99
02:35	0.029	0.010	0.019	13.1	2.08
02:40	0.029	0.010	0.019	13.1	2.17
02:45	0.032	0.010	0.022	14.2	2.27
02:50	0.032	0.010	0.022	14.8	2.37
02:55	0.032	0.010	0.022	15.1	2.47
03:00	0.032	0.010	0.022	15.2	2.58
03:05	0.032	0.010	0.022	15.2	2.68
03:10	0.035	0.010	0.025	16.3	2.79
03:15	0.035	0.010	0.025	17.0	2.91
03:20	0.035	0.010	0.025	17.3	3.03
03:25	0.038	0.010	0.029	18.4	3.16
03:30	0.042	0.010	0.032	20.2	3.30
03:35	0.045	0.010	0.035	22.1	3.45
03:40	0.045	0.010	0.035	23.2	3.61
03:45	0.048	0.010	0.038	24.6	3.78
03:50	0.048	0.010	0.038	25.5	3.95
03:55	0.051	0.010	0.041	26.9	4.14
04:00	0.051	0.010	0.041	27.8	4.33
04:05	0.054	0.010	0.045	29.2	4.53
04:10	0.058	0.010	0.048	31.1	4.74
04:15	0.061	0.010	0.051	33.1	4.97
04:20	0.064	0.010	0.054	35.2	5.22
04:25	0.067	0.010	0.057	37.4	5.47
04:30	0.067	0.010	0.057	38.5	5.74
04:35	0.070	0.010	0.061	40.0	6.01
04:40	0.074	0.010	0.064	42.0	6.30
04:45	0.077	0.010	0.067	44.1	6.61
04:50	0.077	0.010	0.067	45.3	6.92
04:55	0.080	0.010	0.070	46.8	7.24
05:00	0.083	0.010	0.073	48.8	7.58
05:05	0.099	0.010	0.089	54.9	7.96
05:10	0.115	0.010	0.105	63.7	8.39
05:15	0.125	0.010	0.115	71.5	8.89
05:20	0.134	0.010	0.125	78.4	9.43
05:25	0.150	0.010	0.141	87.1	10.03

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.010	0.169	101.0	10.72
05:35	0.061	0.010	0.051	72.0	11.22
05:40	0.029	0.010	0.019	40.7	11.50
05:45	0.019	0.010	0.009	24.7	11.67
05:50	0.016	0.009	0.007	16.2	11.78
05:55	0.010	0.005	0.004	12.2	11.86
06:00	0.006	0.003	0.003	9.2	11.93
06:05	0.000	0.000	0.000	6.0	11.97
06:10	0.000	0.000	0.000	3.1	11.99
06:15	0.000	0.000	0.000	1.1	12.00
06:20	0.000	0.000	0.000	0.5	12.00
06:25	0.000	0.000	0.000	0.3	12.00
06:30	0.000	0.000	0.000	0.2	12.00
06:35	0.000	0.000	0.000	0.1	12.00
06:40	0.000	0.000	0.000	0.0	12.00
06:45	0.000	0.000	0.000	0.0	12.00
06:50	0.000	0.000	0.000	0.0	12.00
06:55	0.000	0.000	0.000	0.0	12.00
07:00	0.000	0.000	0.000	0.0	12.00
07:05	0.000	0.000	0.000	0.0	12.00
07:10	0.000	0.000	0.000	0.0	12.00
07:15	0.000	0.000	0.000	0.0	12.00
07:20	0.000	0.000	0.000	0.0	12.00
07:25	0.000	0.000	0.000	0.0	12.00
07:30	0.000	0.000	0.000	0.0	12.00
07:35	0.000	0.000	0.000	0.0	12.00
07:40	0.000	0.000	0.000	0.0	12.00
07:45	0.000	0.000	0.000	0.0	12.00
07:50	0.000	0.000	0.000	0.0	12.00
07:55	0.000	0.000	0.000	0.0	12.00
08:00	0.000	0.000	0.000	0.0	12.00
08:05	0.000	0.000	0.000	0.0	12.00
08:10	0.000	0.000	0.000	0.0	12.00
08:15	0.000	0.000	0.000	0.0	12.00
08:20	0.000	0.000	0.000	0.0	12.00
08:25	0.000	0.000	0.000	0.0	12.00
08:30	0.000	0.000	0.000	0.0	12.00
08:35	0.000	0.000	0.000	0.0	12.00
08:40	0.000	0.000	0.000	0.0	12.00
08:45	0.000	0.000	0.000	0.0	12.00
08:50	0.000	0.000	0.000	0.0	12.00
08:55	0.000	0.000	0.000	0.0	12.00
09:00	0.000	0.000	0.000	0.0	12.00
09:05	0.000	0.000	0.000	0.0	12.00
09:10	0.000	0.000	0.000	0.0	12.00
09:15	0.000	0.000	0.000	0.0	12.00
09:20	0.000	0.000	0.000	0.0	12.00
09:25	0.000	0.000	0.000	0.0	12.00
09:30	0.000	0.000	0.000	0.0	12.00
09:35	0.000	0.000	0.000	0.0	12.00
09:40	0.000	0.000	0.000	0.0	12.00
09:45	0.000	0.000	0.000	0.0	12.00
09:50	0.000	0.000	0.000	0.0	12.00
09:55	0.000	0.000	0.000	0.0	12.00
10:00	0.000	0.000	0.000	0.0	12.00
10:05	0.000	0.000	0.000	0.0	12.00
10:10	0.000	0.000	0.000	0.0	12.00
10:15	0.000	0.000	0.000	0.0	12.00
10:20	0.000	0.000	0.000	0.0	12.00
10:25	0.000	0.000	0.000	0.0	12.00
10:30	0.000	0.000	0.000	0.0	12.00
10:35	0.000	0.000	0.000	0.0	12.00

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	7.1	0.05
00:10	14.6	0.15
00:15	18.1	0.27
00:20	20.6	0.42
00:25	30.2	0.62
00:30	44.4	0.93
00:35	53.6	1.30
00:40	59.3	1.71
00:45	63.4	2.14
00:50	66.7	2.60
00:55	69.5	3.08
01:00	75.0	3.60
01:05	79.9	4.15
01:10	84.0	4.73
01:15	88.7	5.34
01:20	94.1	5.99
01:25	98.7	6.67
01:30	101.8	7.37
01:35	104.1	8.08
01:40	105.7	8.81
01:45	107.1	9.55
01:50	108.2	10.29
01:55	109.1	11.05
02:00	113.5	11.83
02:05	115.6	12.62
02:10	120.1	13.45
02:15	127.9	14.33
02:20	135.3	15.26
02:25	141.7	16.24
02:30	148.5	17.26
02:35	154.6	18.33
02:40	158.8	19.42
02:45	166.3	20.57
02:50	174.1	21.77
02:55	181.5	23.02
03:00	191.0	24.33
03:05	201.0	25.71
03:10	213.3	27.18
03:15	224.7	28.73
03:20	234.7	30.35
03:25	249.7	32.07
03:30	270.7	33.93
03:35	295.5	35.97
03:40	321.1	38.18
03:45	352.6	40.61
03:50	385.1	43.26
03:55	418.7	46.14
04:00	449.5	49.24
04:05	480.3	52.55
04:10	514.2	56.09
04:15	550.9	59.88
04:20	591.3	63.95
04:25	636.1	68.33
04:30	680.0	73.02
04:35	725.7	78.02
04:40	773.1	83.34
04:45	819.7	88.99
04:50	862.2	94.92
04:55	906.5	101.17
05:00	952.8	107.73
05:05	1019.4	114.75
05:10	1111.7	122.41
05:15	1223.0	130.83
05:20	1359.1	140.19
05:25	1527.7	150.71

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	1737.9	162.68
05:35	1743.2	174.68
05:40	1653.4	186.07
05:45	1517.4	196.52
05:50	1282.9	205.36
05:55	1009.3	212.31
06:00	777.9	217.67
06:05	604.7	221.83
06:10	487.4	225.19
06:15	409.0	228.00
06:20	343.9	230.37
06:25	292.2	232.38
06:30	259.2	234.17
06:35	231.9	235.77
06:40	204.3	237.17
06:45	174.1	238.37
06:50	143.9	239.36
06:55	123.4	240.21
07:00	114.9	241.01
07:05	110.9	241.77
07:10	107.7	242.51
07:15	104.4	243.23
07:20	100.9	243.92
07:25	97.4	244.60
07:30	93.7	245.24
07:35	89.9	245.86
07:40	86.0	246.45
07:45	81.8	247.02
07:50	77.4	247.55
07:55	72.9	248.05
08:00	68.2	248.52
08:05	63.2	248.96
08:10	57.6	249.35
08:15	50.8	249.70
08:20	43.2	250.00
08:25	35.1	250.24
08:30	26.5	250.42
08:35	17.5	250.54
08:40	10.3	250.62
08:45	5.5	250.65
08:50	3.0	250.67
08:55	1.7	250.69
09:00	1.1	250.69
09:05	0.8	250.70
09:10	0.5	250.70
09:15	0.4	250.71
09:20	0.3	250.71
09:25	0.2	250.71
09:30	0.2	250.71
09:35	0.1	250.71
09:40	0.1	250.71
09:45	0.1	250.71
09:50	0.1	250.71
09:55	0.0	250.71
10:00	0.0	250.71
10:05	0.0	250.71
10:10	0.0	250.71
10:15	0.0	250.71
10:20	0.0	250.71
10:25	0.0	250.71
10:30	0.0	250.71
10:35	0.0	250.71

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	7.1	0.00	0.05
00:10	14.6	0.00	0.15
00:15	18.1	0.00	0.27
00:20	20.6	0.66	0.42
00:25	30.2	1.62	0.62
00:30	44.4	2.82	0.93
00:35	53.6	3.85	1.30
00:40	59.3	4.75	1.71
00:45	63.4	5.47	2.14
00:50	66.7	5.85	2.60
00:55	69.5	6.02	3.08
01:00	75.0	6.13	3.60
01:05	79.9	6.23	4.15
01:10	84.0	6.36	4.73
01:15	88.7	6.50	5.34
01:20	94.1	6.61	5.99
01:25	98.7	6.73	6.67
01:30	101.8	6.85	7.37
01:35	104.1	6.96	8.08
01:40	105.7	7.03	8.81
01:45	107.1	7.08	9.55
01:50	108.2	7.12	10.29
01:55	109.1	7.15	11.05
02:00	113.5	7.17	11.83
02:05	115.6	7.20	12.62
02:10	120.1	7.27	13.45
02:15	127.9	7.33	14.33
02:20	135.3	7.43	15.26
02:25	141.7	7.57	16.24
02:30	148.5	7.70	17.26
02:35	154.6	7.82	18.33
02:40	158.8	7.94	19.42
02:45	166.3	8.03	20.57
02:50	174.1	8.12	21.77
02:55	181.5	8.23	23.02
03:00	191.0	8.35	24.33
03:05	201.0	8.47	25.71
03:10	213.3	8.61	27.18
03:15	224.7	8.76	28.73
03:20	234.7	8.92	30.35
03:25	249.7	9.06	32.07
03:30	270.7	9.21	33.93
03:35	295.5	9.42	35.97
03:40	321.1	9.69	38.18
03:45	352.6	9.96	40.61
03:50	385.1	10.25	43.26
03:55	418.7	10.56	46.14
04:00	449.5	10.85	49.24
04:05	480.3	11.12	52.55
04:10	514.2	11.36	56.09
04:15	550.9	11.61	59.88
04:20	591.3	11.87	63.95
04:25	636.1	12.14	68.33
04:30	680.0	12.42	73.02
04:35	725.7	12.70	78.02
04:40	773.1	12.96	83.34
04:45	819.7	13.23	88.99
04:50	862.2	13.48	94.92
04:55	906.5	13.70	101.17
05:00	952.8	13.92	107.73
05:05	1019.4	14.15	114.75
05:10	1111.7	14.45	122.41
05:15	1223.0	14.86	130.83
05:20	1359.1	15.33	140.19
05:25	1527.7	15.86	150.71

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1737.9	16.49	162.68
05:35	1743.2	17.07	174.68
05:40	1653.4	17.03	186.07
05:45	1517.4	16.74	196.52
05:50	1282.9	16.27	205.36
05:55	1009.3	15.44	212.31
06:00	777.9	14.40	217.67
06:05	604.7	13.37	221.83
06:10	487.4	12.44	225.19
06:15	409.0	11.66	228.00
06:20	343.9	11.05	230.37
06:25	292.2	10.50	232.38
06:30	259.2	10.00	234.17
06:35	231.9	9.60	235.77
06:40	204.3	9.28	237.17
06:45	174.1	8.96	238.37
06:50	143.9	8.60	239.36
06:55	123.4	8.20	240.21
07:00	114.9	7.79	241.01
07:05	110.9	7.48	241.77
07:10	107.7	7.31	242.51
07:15	104.4	7.23	243.23
07:20	100.9	7.16	243.92
07:25	97.4	7.09	244.60
07:30	93.7	7.02	245.24
07:35	89.9	6.95	245.86
07:40	86.0	6.87	246.45
07:45	81.8	6.78	247.02
07:50	77.4	6.69	247.55
07:55	72.9	6.59	248.05
08:00	68.2	6.48	248.52
08:05	63.2	6.37	248.96
08:10	57.6	6.25	249.35
08:15	50.8	6.11	249.70
08:20	43.2	5.96	250.00
08:25	35.1	5.77	250.24
08:30	26.5	5.54	250.42
08:35	17.5	5.28	250.54
08:40	10.3	4.97	250.62
08:45	5.5	4.62	250.65
08:50	3.0	4.23	250.67
08:55	1.7	3.83	250.69
09:00	1.1	3.44	250.69
09:05	0.8	3.12	250.70
09:10	0.5	2.84	250.70
09:15	0.4	2.56	250.71
09:20	0.3	2.37	250.71
09:25	0.2	2.17	250.71
09:30	0.2	2.03	250.71
09:35	0.1	1.88	250.71
09:40	0.1	1.78	250.71
09:45	0.1	1.67	250.71
09:50	0.1	1.57	250.71
09:55	0.0	1.50	250.71
10:00	0.0	1.41	250.71
10:05	0.0	1.34	250.71
10:10	0.0	1.29	250.71
10:15	0.0	1.23	250.71
10:20	0.0	1.16	250.71
10:25	0.0	1.12	250.71
10:30	0.0	1.08	250.71
10:35	0.0	1.03	250.71

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	2.2	0.02
02:50	0.032	0.029	0.003	5.1	0.05
02:55	0.032	0.029	0.003	6.2	0.09
03:00	0.032	0.029	0.003	6.7	0.14
03:05	0.032	0.029	0.003	7.2	0.19
03:10	0.035	0.029	0.006	9.7	0.26
03:15	0.035	0.029	0.006	13.2	0.35
03:20	0.035	0.029	0.006	14.5	0.45
03:25	0.038	0.029	0.009	17.7	0.57
03:30	0.042	0.029	0.012	24.1	0.73
03:35	0.045	0.029	0.016	31.4	0.95
03:40	0.045	0.029	0.016	36.7	1.20
03:45	0.048	0.029	0.019	41.6	1.49
03:50	0.048	0.029	0.019	46.2	1.81
03:55	0.051	0.029	0.022	50.8	2.16
04:00	0.051	0.029	0.022	55.3	2.54
04:05	0.054	0.029	0.025	59.9	2.95
04:10	0.058	0.029	0.028	66.8	3.41
04:15	0.061	0.029	0.032	74.8	3.93
04:20	0.064	0.029	0.035	83.1	4.50
04:25	0.067	0.029	0.038	91.6	5.13
04:30	0.067	0.029	0.038	97.7	5.80
04:35	0.070	0.029	0.041	103.0	6.51
04:40	0.074	0.029	0.044	110.5	7.27
04:45	0.077	0.029	0.048	118.7	8.09
04:50	0.077	0.029	0.048	124.6	8.95
04:55	0.080	0.029	0.051	130.0	9.84
05:00	0.083	0.029	0.054	137.6	10.79
05:05	0.099	0.029	0.070	155.7	11.86
05:10	0.115	0.029	0.086	187.3	13.15
05:15	0.125	0.029	0.096	219.1	14.66
05:20	0.134	0.029	0.105	246.6	16.36
05:25	0.150	0.029	0.121	278.5	18.28

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	326.4	20.52
05:35	0.061	0.029	0.032	276.7	22.43
05:40	0.029	0.029	0.000	145.7	23.43
05:45	0.019	0.019	0.000	78.0	23.97
05:50	0.016	0.016	0.000	52.2	24.33
05:55	0.010	0.010	0.000	32.6	24.55
06:00	0.006	0.006	0.000	26.6	24.74
06:05	0.000	0.000	0.000	23.5	24.90
06:10	0.000	0.000	0.000	19.8	25.04
06:15	0.000	0.000	0.000	15.7	25.15
06:20	0.000	0.000	0.000	11.2	25.22
06:25	0.000	0.000	0.000	5.8	25.26
06:30	0.000	0.000	0.000	0.9	25.27
06:35	0.000	0.000	0.000	0.0	25.27
06:40	0.000	0.000	0.000	0.0	25.27
06:45	0.000	0.000	0.000	0.0	25.27
06:50	0.000	0.000	0.000	0.0	25.27
06:55	0.000	0.000	0.000	0.0	25.27
07:00	0.000	0.000	0.000	0.0	25.27
07:05	0.000	0.000	0.000	0.0	25.27
07:10	0.000	0.000	0.000	0.0	25.27
07:15	0.000	0.000	0.000	0.0	25.27
07:20	0.000	0.000	0.000	0.0	25.27
07:25	0.000	0.000	0.000	0.0	25.27
07:30	0.000	0.000	0.000	0.0	25.27
07:35	0.000	0.000	0.000	0.0	25.27
07:40	0.000	0.000	0.000	0.0	25.27
07:45	0.000	0.000	0.000	0.0	25.27
07:50	0.000	0.000	0.000	0.0	25.27
07:55	0.000	0.000	0.000	0.0	25.27
08:00	0.000	0.000	0.000	0.0	25.27
08:05	0.000	0.000	0.000	0.0	25.27
08:10	0.000	0.000	0.000	0.0	25.27
08:15	0.000	0.000	0.000	0.0	25.27
08:20	0.000	0.000	0.000	0.0	25.27
08:25	0.000	0.000	0.000	0.0	25.27
08:30	0.000	0.000	0.000	0.0	25.27
08:35	0.000	0.000	0.000	0.0	25.27
08:40	0.000	0.000	0.000	0.0	25.27
08:45	0.000	0.000	0.000	0.0	25.27
08:50	0.000	0.000	0.000	0.0	25.27
08:55	0.000	0.000	0.000	0.0	25.27
09:00	0.000	0.000	0.000	0.0	25.27
09:05	0.000	0.000	0.000	0.0	25.27
09:10	0.000	0.000	0.000	0.0	25.27
09:15	0.000	0.000	0.000	0.0	25.27
09:20	0.000	0.000	0.000	0.0	25.27
09:25	0.000	0.000	0.000	0.0	25.27
09:30	0.000	0.000	0.000	0.0	25.27
09:35	0.000	0.000	0.000	0.0	25.27
09:40	0.000	0.000	0.000	0.0	25.27
09:45	0.000	0.000	0.000	0.0	25.27
09:50	0.000	0.000	0.000	0.0	25.27
09:55	0.000	0.000	0.000	0.0	25.27
10:00	0.000	0.000	0.000	0.0	25.27
10:05	0.000	0.000	0.000	0.0	25.27
10:10	0.000	0.000	0.000	0.0	25.27
10:15	0.000	0.000	0.000	0.0	25.27
10:20	0.000	0.000	0.000	0.0	25.27
10:25	0.000	0.000	0.000	0.0	25.27
10:30	0.000	0.000	0.000	0.0	25.27
10:35	0.000	0.000	0.000	0.0	25.27

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.015	0.001	0.4	0.00
00:10	0.019	0.018	0.001	1.2	0.01
00:15	0.019	0.018	0.001	1.7	0.02
00:20	0.019	0.018	0.001	2.0	0.04
00:25	0.019	0.018	0.001	2.1	0.05
00:30	0.022	0.021	0.001	2.3	0.07
00:35	0.022	0.021	0.001	2.5	0.08
00:40	0.022	0.021	0.001	2.6	0.10
00:45	0.022	0.021	0.001	2.7	0.12
00:50	0.022	0.021	0.001	2.7	0.14
00:55	0.022	0.021	0.001	2.7	0.16
01:00	0.026	0.024	0.002	2.9	0.18
01:05	0.026	0.024	0.002	3.0	0.20
01:10	0.026	0.024	0.002	3.1	0.22
01:15	0.026	0.024	0.002	3.2	0.24
01:20	0.026	0.024	0.002	3.2	0.26
01:25	0.026	0.024	0.002	3.3	0.29
01:30	0.026	0.024	0.002	3.3	0.31
01:35	0.026	0.024	0.002	3.3	0.33
01:40	0.026	0.024	0.002	3.3	0.35
01:45	0.026	0.024	0.002	3.3	0.38
01:50	0.026	0.024	0.002	3.3	0.40
01:55	0.026	0.024	0.002	3.3	0.42
02:00	0.029	0.024	0.005	4.5	0.45
02:05	0.026	0.024	0.002	5.5	0.49
02:10	0.029	0.024	0.005	5.7	0.53
02:15	0.029	0.024	0.005	7.3	0.58
02:20	0.029	0.024	0.005	8.2	0.64
02:25	0.029	0.024	0.005	8.7	0.70
02:30	0.029	0.024	0.005	8.9	0.76
02:35	0.029	0.024	0.005	9.1	0.82
02:40	0.029	0.024	0.005	9.3	0.89
02:45	0.032	0.024	0.008	10.7	0.96
02:50	0.032	0.024	0.008	13.1	1.05
02:55	0.032	0.024	0.008	14.4	1.15
03:00	0.032	0.024	0.008	15.1	1.25
03:05	0.032	0.024	0.008	15.5	1.36
03:10	0.035	0.024	0.011	17.2	1.48
03:15	0.035	0.024	0.011	19.7	1.61
03:20	0.035	0.024	0.011	21.1	1.76
03:25	0.038	0.024	0.014	23.1	1.92
03:30	0.042	0.024	0.017	27.2	2.10
03:35	0.045	0.024	0.021	32.4	2.33
03:40	0.045	0.024	0.021	36.9	2.58
03:45	0.048	0.024	0.024	40.5	2.86
03:50	0.048	0.024	0.024	44.2	3.16
03:55	0.051	0.024	0.027	47.7	3.49
04:00	0.051	0.024	0.027	51.3	3.85
04:05	0.054	0.024	0.030	54.6	4.22
04:10	0.058	0.024	0.033	59.5	4.63
04:15	0.061	0.024	0.037	65.2	5.08
04:20	0.064	0.024	0.040	71.4	5.57
04:25	0.067	0.024	0.043	77.7	6.11
04:30	0.067	0.024	0.043	82.9	6.68
04:35	0.070	0.024	0.046	87.3	7.28
04:40	0.074	0.024	0.049	92.7	7.92
04:45	0.077	0.024	0.053	98.8	8.60
04:50	0.077	0.024	0.053	103.9	9.32
04:55	0.080	0.024	0.056	108.0	10.06
05:00	0.083	0.024	0.059	113.4	10.84
05:05	0.099	0.024	0.075	124.8	11.70
05:10	0.115	0.024	0.091	146.0	12.71
05:15	0.125	0.024	0.101	169.6	13.87
05:20	0.134	0.024	0.110	190.9	15.19
05:25	0.150	0.024	0.126	213.8	16.66

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.024	0.155	246.7	18.36
05:35	0.061	0.024	0.037	231.1	19.95
05:40	0.029	0.024	0.005	147.8	20.97
05:45	0.019	0.018	0.001	87.2	21.57
05:50	0.016	0.015	0.001	56.2	21.96
05:55	0.010	0.009	0.001	41.9	22.25
06:00	0.006	0.006	0.000	30.0	22.45
06:05	0.000	0.000	0.000	22.6	22.61
06:10	0.000	0.000	0.000	19.6	22.74
06:15	0.000	0.000	0.000	17.9	22.87
06:20	0.000	0.000	0.000	15.9	22.98
06:25	0.000	0.000	0.000	13.6	23.07
06:30	0.000	0.000	0.000	11.1	23.15
06:35	0.000	0.000	0.000	8.3	23.20
06:40	0.000	0.000	0.000	5.2	23.24
06:45	0.000	0.000	0.000	1.4	23.25
06:50	0.000	0.000	0.000	0.3	23.25
06:55	0.000	0.000	0.000	0.1	23.25
07:00	0.000	0.000	0.000	0.1	23.25
07:05	0.000	0.000	0.000	0.0	23.25
07:10	0.000	0.000	0.000	0.0	23.25
07:15	0.000	0.000	0.000	0.0	23.25
07:20	0.000	0.000	0.000	0.0	23.25
07:25	0.000	0.000	0.000	0.0	23.25
07:30	0.000	0.000	0.000	0.0	23.25
07:35	0.000	0.000	0.000	0.0	23.25
07:40	0.000	0.000	0.000	0.0	23.25
07:45	0.000	0.000	0.000	0.0	23.25
07:50	0.000	0.000	0.000	0.0	23.25
07:55	0.000	0.000	0.000	0.0	23.25
08:00	0.000	0.000	0.000	0.0	23.25
08:05	0.000	0.000	0.000	0.0	23.25
08:10	0.000	0.000	0.000	0.0	23.25
08:15	0.000	0.000	0.000	0.0	23.25
08:20	0.000	0.000	0.000	0.0	23.25
08:25	0.000	0.000	0.000	0.0	23.25
08:30	0.000	0.000	0.000	0.0	23.25
08:35	0.000	0.000	0.000	0.0	23.25
08:40	0.000	0.000	0.000	0.0	23.25
08:45	0.000	0.000	0.000	0.0	23.25
08:50	0.000	0.000	0.000	0.0	23.25
08:55	0.000	0.000	0.000	0.0	23.25
09:00	0.000	0.000	0.000	0.0	23.25
09:05	0.000	0.000	0.000	0.0	23.25
09:10	0.000	0.000	0.000	0.0	23.25
09:15	0.000	0.000	0.000	0.0	23.25
09:20	0.000	0.000	0.000	0.0	23.25
09:25	0.000	0.000	0.000	0.0	23.25
09:30	0.000	0.000	0.000	0.0	23.25
09:35	0.000	0.000	0.000	0.0	23.25
09:40	0.000	0.000	0.000	0.0	23.25
09:45	0.000	0.000	0.000	0.0	23.25
09:50	0.000	0.000	0.000	0.0	23.25
09:55	0.000	0.000	0.000	0.0	23.25
10:00	0.000	0.000	0.000	0.0	23.25
10:05	0.000	0.000	0.000	0.0	23.25
10:10	0.000	0.000	0.000	0.0	23.25
10:15	0.000	0.000	0.000	0.0	23.25
10:20	0.000	0.000	0.000	0.0	23.25
10:25	0.000	0.000	0.000	0.0	23.25
10:30	0.000	0.000	0.000	0.0	23.25
10:35	0.000	0.000	0.000	0.0	23.25

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	1.0	0.01
00:15	2.0	0.02
00:20	2.0	0.03
00:25	3.0	0.06
00:30	8.0	0.11
00:35	17.0	0.23
00:40	33.0	0.45
00:45	56.0	0.84
00:50	76.0	1.36
00:55	87.0	1.96
01:00	95.0	2.62
01:05	113.0	3.40
01:10	162.0	4.51
01:15	199.0	5.88
01:20	247.0	7.58
01:25	338.0	9.91
01:30	407.0	12.71
01:35	440.0	15.74
01:40	469.0	18.97
01:45	500.0	22.42
01:50	527.0	26.05
01:55	549.0	29.83
02:00	568.0	33.74
02:05	584.0	37.76
02:10	599.0	41.89
02:15	615.0	46.12
02:20	634.0	50.49
02:25	657.0	55.01
02:30	685.0	59.73
02:35	716.0	64.66
02:40	746.0	69.80
02:45	779.0	75.17
02:50	813.0	80.76
02:55	844.0	86.58
03:00	877.0	92.62
03:05	916.0	98.93
03:10	967.0	105.59
03:15	1027.0	112.66
03:20	1087.0	120.14
03:25	1155.0	128.10
03:30	1247.0	136.69
03:35	1372.0	146.14
03:40	1535.0	156.71
03:45	1733.0	168.64
03:50	1960.0	182.14
03:55	2196.0	197.27
04:00	2430.0	214.00
04:05	2659.0	232.31
04:10	2894.0	252.25
04:15	3149.0	273.93
04:20	3434.0	297.58
04:25	3755.0	323.44
04:30	4100.0	351.68
04:35	4454.0	382.36
04:40	4811.0	415.49
04:45	5164.0	451.05
04:50	5509.0	488.99
04:55	5858.0	529.34
05:00	6217.0	572.16
05:05	6612.0	617.69
05:10	7109.0	666.65
05:15	7761.0	720.10
05:20	8601.0	779.34
05:25	9648.0	845.79

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	10930.0	921.06
05:35	12105.0	1004.43
05:40	12500.0	1090.52
05:45	12018.0	1173.29
05:50	10852.0	1248.02
05:55	9314.0	1312.17
06:00	7866.0	1366.34
06:05	6704.0	1412.51
06:10	5779.0	1452.31
06:15	5056.0	1487.13
06:20	4447.0	1517.76
06:25	3860.0	1544.35
06:30	3317.0	1567.19
06:35	2866.0	1586.93
06:40	2509.0	1604.21
06:45	2223.0	1619.52
06:50	1986.0	1633.20
06:55	1783.0	1645.48
07:00	1614.0	1656.59
07:05	1479.0	1666.78
07:10	1362.0	1676.16
07:15	1258.0	1684.82
07:20	1165.0	1692.84
07:25	1085.0	1700.32
07:30	1015.0	1707.31
07:35	949.0	1713.84
07:40	882.0	1719.92
07:45	815.0	1725.53
07:50	748.0	1730.68
07:55	681.0	1735.37
08:00	615.0	1739.61
08:05	555.0	1743.43
08:10	505.0	1746.91
08:15	465.0	1750.11
08:20	435.0	1753.11
08:25	411.0	1755.94
08:30	390.0	1758.62
08:35	370.0	1761.17
08:40	349.0	1763.57
08:45	329.0	1765.84
08:50	309.0	1767.97
08:55	292.0	1769.98
09:00	280.0	1771.91
09:05	271.0	1773.77
09:10	264.0	1775.59
09:15	257.0	1777.36
09:20	250.0	1779.08
09:25	244.0	1780.76
09:30	238.0	1782.40
09:35	232.0	1784.00
09:40	227.0	1785.56
09:45	221.0	1787.09
09:50	215.0	1788.57
09:55	209.0	1790.01
10:00	203.0	1791.40
10:05	196.0	1792.75
10:10	190.0	1794.06
10:15	183.0	1795.32
10:20	176.0	1796.54
10:25	169.0	1797.70
10:30	161.0	1798.81
10:35	153.0	1799.86

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	1.0	0.00	0.01
00:15	2.0	0.00	0.02
00:20	2.0	0.16	0.03
00:25	3.0	0.49	0.06
00:30	8.0	0.84	0.11
00:35	17.0	1.28	0.23
00:40	33.0	2.11	0.45
00:45	56.0	2.89	0.84
00:50	76.0	3.52	1.36
00:55	87.0	3.86	1.96
01:00	95.0	4.03	2.62
01:05	113.0	4.24	3.40
01:10	162.0	4.71	4.51
01:15	199.0	5.22	5.88
01:20	247.0	5.66	7.58
01:25	338.0	6.31	9.91
01:30	407.0	6.88	12.71
01:35	440.0	7.17	15.74
01:40	469.0	7.35	18.97
01:45	500.0	7.53	22.42
01:50	527.0	7.69	26.05
01:55	549.0	7.81	29.83
02:00	568.0	7.92	33.74
02:05	584.0	8.01	37.76
02:10	599.0	8.08	41.89
02:15	615.0	8.16	46.12
02:20	634.0	8.25	50.49
02:25	657.0	8.36	55.01
02:30	685.0	8.48	59.73
02:35	716.0	8.62	64.66
02:40	746.0	8.75	69.80
02:45	779.0	8.89	75.17
02:50	813.0	9.04	80.76
02:55	844.0	9.17	86.58
03:00	877.0	9.30	92.62
03:05	916.0	9.44	98.93
03:10	967.0	9.63	105.59
03:15	1027.0	9.84	112.66
03:20	1087.0	10.05	120.14
03:25	1155.0	10.28	128.10
03:30	1247.0	10.56	136.69
03:35	1372.0	10.93	146.14
03:40	1535.0	11.38	156.71
03:45	1733.0	11.90	168.64
03:50	1960.0	12.45	182.14
03:55	2196.0	13.00	197.27
04:00	2430.0	13.51	214.00
04:05	2659.0	13.97	232.31
04:10	2894.0	14.43	252.25
04:15	3149.0	14.88	273.93
04:20	3434.0	15.37	297.58
04:25	3755.0	15.89	323.44
04:30	4100.0	16.41	351.68
04:35	4454.0	16.93	382.36
04:40	4811.0	17.42	415.49
04:45	5164.0	17.89	451.05
04:50	5509.0	18.33	488.99
04:55	5858.0	18.76	529.34
05:00	6217.0	19.18	572.16
05:05	6612.0	19.62	617.69
05:10	7109.0	20.14	666.65
05:15	7761.0	20.79	720.10
05:20	8601.0	21.59	779.34
05:25	9648.0	22.52	845.79

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	10930.0	23.58	921.06
05:35	12105.0	24.50	1004.43
05:40	12500.0	24.85	1090.52
05:45	12018.0	24.56	1173.29
05:50	10852.0	23.71	1248.02
05:55	9314.0	22.46	1312.17
06:00	7866.0	21.13	1366.34
06:05	6704.0	19.92	1412.51
06:10	5779.0	18.85	1452.31
06:15	5056.0	17.94	1487.13
06:20	4447.0	17.11	1517.76
06:25	3860.0	16.25	1544.35
06:30	3317.0	15.39	1567.19
06:35	2866.0	14.58	1586.93
06:40	2509.0	13.87	1604.21
06:45	2223.0	13.26	1619.52
06:50	1986.0	12.72	1633.20
06:55	1783.0	12.22	1645.48
07:00	1614.0	11.78	1656.59
07:05	1479.0	11.39	1666.78
07:10	1362.0	11.05	1676.16
07:15	1258.0	10.73	1684.82
07:20	1165.0	10.43	1692.84
07:25	1085.0	10.16	1700.32
07:30	1015.0	9.91	1707.31
07:35	949.0	9.67	1713.84
07:40	882.0	9.42	1719.92
07:45	815.0	9.15	1725.53
07:50	748.0	8.87	1730.68
07:55	681.0	8.58	1735.37
08:00	615.0	8.28	1739.61
08:05	555.0	7.97	1743.43
08:10	505.0	7.69	1746.91
08:15	465.0	7.45	1750.11
08:20	435.0	7.26	1753.11
08:25	411.0	7.10	1755.94
08:30	390.0	6.96	1758.62
08:35	370.0	6.83	1761.17
08:40	349.0	6.69	1763.57
08:45	329.0	6.55	1765.84
08:50	309.0	6.40	1767.97
08:55	292.0	6.27	1769.98
09:00	280.0	6.16	1771.91
09:05	271.0	6.08	1773.77
09:10	264.0	6.01	1775.59
09:15	257.0	5.95	1777.36
09:20	250.0	5.89	1779.08
09:25	244.0	5.84	1780.76
09:30	238.0	5.79	1782.40
09:35	232.0	5.74	1784.00
09:40	227.0	5.69	1785.56
09:45	221.0	5.63	1787.09
09:50	215.0	5.58	1788.57
09:55	209.0	5.52	1790.01
10:00	203.0	5.46	1791.40
10:05	196.0	5.40	1792.75
10:10	190.0	5.33	1794.06
10:15	183.0	5.26	1795.32
10:20	176.0	5.19	1796.54
10:25	169.0	5.11	1797.70
10:30	161.0	5.03	1798.81
10:35	153.0	4.95	1799.86

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.021	0.018	0.003	3.8	0.03
00:10	0.021	0.018	0.003	7.7	0.08
00:15	0.021	0.018	0.003	14.3	0.18
00:20	0.021	0.018	0.003	22.1	0.33
00:25	0.025	0.021	0.003	32.4	0.55
00:30	0.025	0.021	0.003	43.2	0.85
00:35	0.025	0.021	0.003	51.9	1.21
00:40	0.025	0.021	0.003	58.8	1.61
00:45	0.025	0.021	0.003	64.4	2.06
00:50	0.025	0.021	0.003	69.6	2.54
00:55	0.028	0.023	0.005	75.3	3.05
01:00	0.028	0.023	0.005	80.7	3.61
01:05	0.028	0.023	0.005	87.4	4.21
01:10	0.028	0.023	0.005	94.0	4.86
01:15	0.028	0.023	0.005	100.9	5.55
01:20	0.028	0.023	0.005	108.1	6.30
01:25	0.028	0.023	0.005	113.9	7.08
01:30	0.028	0.023	0.005	118.4	7.90
01:35	0.028	0.023	0.005	122.0	8.74
01:40	0.028	0.023	0.005	125.2	9.60
01:45	0.028	0.023	0.005	127.8	10.48
01:50	0.028	0.023	0.005	129.8	11.38
01:55	0.032	0.023	0.009	136.2	12.31
02:00	0.028	0.023	0.005	137.6	13.26
02:05	0.032	0.023	0.009	146.6	14.27
02:10	0.032	0.023	0.009	153.7	15.33
02:15	0.032	0.023	0.009	164.6	16.46
02:20	0.032	0.023	0.009	175.6	17.67
02:25	0.032	0.023	0.009	185.1	18.95
02:30	0.032	0.023	0.009	195.7	20.29
02:35	0.032	0.023	0.009	204.0	21.70
02:40	0.035	0.023	0.012	215.1	23.18
02:45	0.035	0.023	0.012	223.6	24.72
02:50	0.035	0.023	0.012	236.1	26.35
02:55	0.035	0.023	0.012	248.8	28.06
03:00	0.035	0.023	0.012	262.8	29.87
03:05	0.039	0.023	0.016	282.1	31.81
03:10	0.039	0.023	0.016	298.3	33.87
03:15	0.039	0.023	0.016	314.6	36.03
03:20	0.042	0.023	0.019	335.3	38.34
03:25	0.046	0.023	0.023	361.8	40.84
03:30	0.049	0.023	0.026	395.6	43.56
03:35	0.049	0.023	0.026	431.1	46.53
03:40	0.053	0.023	0.030	474.8	49.80
03:45	0.053	0.023	0.030	520.8	53.39
03:50	0.056	0.023	0.033	572.5	57.33
03:55	0.056	0.023	0.033	619.2	61.59
04:00	0.060	0.023	0.037	668.6	66.20
04:05	0.063	0.023	0.040	719.7	71.15
04:10	0.067	0.023	0.044	773.2	76.48
04:15	0.070	0.023	0.047	831.2	82.20
04:20	0.074	0.023	0.051	894.5	88.36
04:25	0.074	0.023	0.051	960.6	94.98
04:30	0.077	0.023	0.054	1031.1	102.08
04:35	0.081	0.023	0.058	1102.7	109.68
04:40	0.084	0.023	0.061	1175.6	117.77
04:45	0.084	0.023	0.061	1245.2	126.35
04:50	0.088	0.023	0.065	1315.6	135.41
04:55	0.091	0.023	0.068	1387.4	144.96
05:00	0.109	0.023	0.086	1480.5	155.16
05:05	0.126	0.023	0.103	1592.6	166.13
05:10	0.137	0.023	0.114	1727.6	178.03
05:15	0.147	0.023	0.124	1895.6	191.08
05:20	0.165	0.023	0.142	2106.4	205.59
05:25	0.196	0.023	0.173	2376.5	221.96

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.067	0.023	0.044	2487.1	239.08
05:35	0.032	0.023	0.009	2566.2	256.76
05:40	0.021	0.018	0.003	2506.7	274.02
05:45	0.018	0.015	0.002	2348.0	290.19
05:50	0.011	0.009	0.001	2056.9	304.36
05:55	0.007	0.006	0.001	1662.2	315.81
06:00	0.000	0.000	0.000	1325.8	324.94
06:05	0.000	0.000	0.000	1081.4	332.38
06:10	0.000	0.000	0.000	910.6	338.66
06:15	0.000	0.000	0.000	766.8	343.94
06:20	0.000	0.000	0.000	678.9	348.61
06:25	0.000	0.000	0.000	600.4	352.75
06:30	0.000	0.000	0.000	515.7	356.30
06:35	0.000	0.000	0.000	452.7	359.42
06:40	0.000	0.000	0.000	421.7	362.32
06:45	0.000	0.000	0.000	395.0	365.04
06:50	0.000	0.000	0.000	364.5	367.55
06:55	0.000	0.000	0.000	330.9	369.83
07:00	0.000	0.000	0.000	294.6	371.86
07:05	0.000	0.000	0.000	254.0	373.61
07:10	0.000	0.000	0.000	205.6	375.02
07:15	0.000	0.000	0.000	183.7	376.29
07:20	0.000	0.000	0.000	177.5	377.51
07:25	0.000	0.000	0.000	174.6	378.71
07:30	0.000	0.000	0.000	171.9	379.90
07:35	0.000	0.000	0.000	169.0	381.06
07:40	0.000	0.000	0.000	166.0	382.21
07:45	0.000	0.000	0.000	163.1	383.33
07:50	0.000	0.000	0.000	160.1	384.43
07:55	0.000	0.000	0.000	156.9	385.51
08:00	0.000	0.000	0.000	153.5	386.57
08:05	0.000	0.000	0.000	150.0	387.60
08:10	0.000	0.000	0.000	146.1	388.61
08:15	0.000	0.000	0.000	141.9	389.59
08:20	0.000	0.000	0.000	137.3	390.53
08:25	0.000	0.000	0.000	132.4	391.44
08:30	0.000	0.000	0.000	127.1	392.32
08:35	0.000	0.000	0.000	121.7	393.16
08:40	0.000	0.000	0.000	116.0	393.96
08:45	0.000	0.000	0.000	110.0	394.71
08:50	0.000	0.000	0.000	103.6	395.43
08:55	0.000	0.000	0.000	97.2	396.10
09:00	0.000	0.000	0.000	90.4	396.72
09:05	0.000	0.000	0.000	83.1	397.29
09:10	0.000	0.000	0.000	74.0	397.80
09:15	0.000	0.000	0.000	63.1	398.24
09:20	0.000	0.000	0.000	51.2	398.59
09:25	0.000	0.000	0.000	38.0	398.85
09:30	0.000	0.000	0.000	22.9	399.01
09:35	0.000	0.000	0.000	5.9	399.05
09:40	0.000	0.000	0.000	1.6	399.06
09:45	0.000	0.000	0.000	0.8	399.06
09:50	0.000	0.000	0.000	0.5	399.07
09:55	0.000	0.000	0.000	0.2	399.07
10:00	0.000	0.000	0.000	0.1	399.07
10:05	0.000	0.000	0.000	0.0	399.07
10:10	0.000	0.000	0.000	0.0	399.07
10:15	0.000	0.000	0.000	0.0	399.07
10:20	0.000	0.000	0.000	0.0	399.07
10:25	0.000	0.000	0.000	0.0	399.07
10:30	0.000	0.000	0.000	0.0	399.07
10:35	0.000	0.000	0.000	0.0	399.07

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	3.8	1.17	0.03
00:10	7.7	3.51	0.08
00:15	14.3	4.61	0.18
00:20	22.1	5.60	0.33
00:25	32.4	6.57	0.55
00:30	43.2	7.43	0.85
00:35	51.9	8.05	1.21
00:40	58.8	8.49	1.61
00:45	64.4	8.82	2.06
00:50	69.6	9.11	2.54
00:55	75.3	9.40	3.05
01:00	80.7	9.67	3.61
01:05	87.4	9.98	4.21
01:10	94.0	10.28	4.86
01:15	100.9	10.57	5.55
01:20	108.1	10.87	6.30
01:25	113.9	11.11	7.08
01:30	118.4	11.29	7.90
01:35	122.0	11.43	8.74
01:40	125.2	11.55	9.60
01:45	127.8	11.65	10.48
01:50	129.8	11.72	11.38
01:55	136.2	11.94	12.31
02:00	137.6	12.00	13.26
02:05	146.6	12.29	14.27
02:10	153.7	12.53	15.33
02:15	164.6	12.87	16.46
02:20	175.6	13.21	17.67
02:25	185.1	13.50	18.95
02:30	195.7	13.80	20.29
02:35	204.0	14.04	21.70
02:40	215.1	14.33	23.18
02:45	223.6	14.56	24.72
02:50	236.1	14.88	26.35
02:55	248.8	15.19	28.06
03:00	262.8	15.53	29.87
03:05	282.1	15.97	31.81
03:10	298.3	16.34	33.87
03:15	314.6	16.69	36.03
03:20	335.3	17.12	38.34
03:25	361.8	17.64	40.84
03:30	395.6	18.28	43.56
03:35	431.1	18.92	46.53
03:40	474.8	19.66	49.80
03:45	520.8	20.41	53.39
03:50	572.5	21.19	57.33
03:55	619.2	21.88	61.59
04:00	668.6	22.56	66.20
04:05	719.7	23.24	71.15
04:10	773.2	23.92	76.48
04:15	831.2	24.62	82.20
04:20	894.5	25.36	88.36
04:25	960.6	26.09	94.98
04:30	1031.1	26.84	102.08
04:35	1102.7	27.58	109.68
04:40	1175.6	28.29	117.77
04:45	1245.2	28.95	126.35
04:50	1315.6	29.60	135.41
04:55	1387.4	30.24	144.96
05:00	1480.5	31.03	155.16
05:05	1592.6	31.95	166.13
05:10	1727.6	33.00	178.03
05:15	1895.6	34.24	191.08
05:20	2106.4	35.72	205.59
05:25	2376.5	37.48	221.96

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2487.1	38.20	239.08
05:35	2566.2	38.69	256.76
05:40	2506.7	38.35	274.02
05:45	2348.0	37.38	290.19
05:50	2056.9	35.49	304.36
05:55	1662.2	32.64	315.81
06:00	1325.8	29.84	324.94
06:05	1081.4	27.50	332.38
06:10	910.6	25.66	338.66
06:15	766.8	23.96	343.94
06:20	678.9	22.80	348.61
06:25	600.4	21.71	352.75
06:30	515.7	20.45	356.30
06:35	452.7	19.40	359.42
06:40	421.7	18.83	362.32
06:45	395.0	18.34	365.04
06:50	364.5	17.77	367.55
06:55	330.9	17.10	369.83
07:00	294.6	16.34	371.86
07:05	254.0	15.42	373.61
07:10	205.6	14.21	375.02
07:15	183.7	13.54	376.29
07:20	177.5	13.31	377.51
07:25	174.6	13.22	378.71
07:30	171.9	13.13	379.90
07:35	169.0	13.05	381.06
07:40	166.0	12.95	382.21
07:45	163.1	12.86	383.33
07:50	160.1	12.77	384.43
07:55	156.9	12.67	385.51
08:00	153.5	12.55	386.57
08:05	150.0	12.44	387.60
08:10	146.1	12.31	388.61
08:15	141.9	12.17	389.59
08:20	137.3	12.01	390.53
08:25	132.4	11.84	391.44
08:30	127.1	11.65	392.32
08:35	121.7	11.45	393.16
08:40	116.0	11.24	393.96
08:45	110.0	11.01	394.71
08:50	103.6	10.75	395.43
08:55	97.2	10.48	396.10
09:00	90.4	10.19	396.72
09:05	83.1	9.86	397.29
09:10	74.0	9.43	397.80
09:15	63.1	8.87	398.24
09:20	51.2	8.19	398.59
09:25	38.0	7.34	398.85
09:30	22.9	6.15	399.01
09:35	5.9	4.30	399.05
09:40	1.6	2.75	399.06
09:45	0.8	1.88	399.06
09:50	0.5	1.48	399.07
09:55	0.2	1.25	399.07
10:00	0.1	1.01	399.07
10:05	0.0	0.80	399.07
10:10	0.0	0.61	399.07
10:15	0.0	0.44	399.07
10:20	0.0	0.34	399.07
10:25	0.0	0.28	399.07
10:30	0.0	0.24	399.07
10:35	0.0	0.21	399.07

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	3.0	0.02
00:20	15.2	0.13
00:25	25.0	0.30
00:30	36.3	0.55
00:35	46.7	0.87
00:40	54.9	1.25
00:45	61.4	1.67
00:50	66.9	2.13
00:55	72.5	2.63
01:00	78.1	3.17
01:05	84.3	3.75
01:10	91.0	4.38
01:15	97.9	5.05
01:20	105.1	5.77
01:25	111.4	6.54
01:30	116.5	7.34
01:35	120.5	8.17
01:40	123.9	9.03
01:45	126.8	9.90
01:50	129.0	10.79
01:55	133.9	11.71
02:00	136.9	12.65
02:05	143.5	13.64
02:10	151.1	14.68
02:15	160.8	15.79
02:20	171.8	16.97
02:25	181.9	18.23
02:30	192.2	19.55
02:35	201.2	20.93
02:40	211.6	22.39
02:45	220.9	23.91
02:50	232.4	25.51
02:55	245.0	27.20
03:00	258.7	28.98
03:05	276.6	30.89
03:10	293.7	32.91
03:15	310.2	35.05
03:20	329.8	37.32
03:25	355.0	39.76
03:30	387.2	42.43
03:35	422.6	45.34
03:40	464.7	48.54
03:45	510.5	52.06
03:50	561.3	55.92
03:55	609.4	60.12
04:00	658.6	64.65
04:05	709.6	69.54
04:10	763.0	74.80
04:15	820.5	80.45
04:20	883.1	86.53
04:25	949.1	93.07
04:30	1019.1	100.08
04:35	1090.9	107.60
04:40	1163.8	115.61
04:45	1234.2	124.11
04:50	1304.7	133.10
04:55	1376.6	142.58
05:00	1466.9	152.68
05:05	1576.7	163.54
05:10	1709.0	175.31
05:15	1873.3	188.21
05:20	2079.6	202.53
05:25	2343.7	218.68
05:30	2473.5	235.71

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
05:35	2556.8	253.32
05:40	2513.3	270.63
05:45	2367.0	286.93
05:50	2093.7	301.35
05:55	1716.5	313.17
06:00	1376.7	322.65
06:05	1121.8	330.38
06:10	941.0	336.86
06:15	794.0	342.33
06:20	696.7	347.13
06:25	616.8	351.37
06:30	534.3	355.05
06:35	467.5	358.27
06:40	429.5	361.23
06:45	401.6	364.00
06:50	372.2	366.56
06:55	339.7	368.90
07:00	304.5	371.00
07:05	265.8	372.83
07:10	220.6	374.35
07:15	191.5	375.67
07:20	179.9	376.90
07:25	175.7	378.12
07:30	172.8	379.31
07:35	170.0	380.48
07:40	167.0	381.63
07:45	164.1	382.76
07:50	161.1	383.87
07:55	158.0	384.95
08:00	154.7	386.02
08:05	151.3	387.06
08:10	147.5	388.08
08:15	143.5	389.07
08:20	139.0	390.02
08:25	134.2	390.95
08:30	129.1	391.84
08:35	123.8	392.69
08:40	118.3	393.50
08:45	112.5	394.28
08:50	106.3	395.01
08:55	99.9	395.70
09:00	93.4	396.34
09:05	86.4	396.94
09:10	78.3	397.48
09:15	68.5	397.95
09:20	57.5	398.34
09:25	45.7	398.66
09:30	32.9	398.88
09:35	19.6	399.02
09:40	9.1	399.08
09:45	4.1	399.11
09:50	2.1	399.13
09:55	1.2	399.13
10:00	0.8	399.14
10:05	0.6	399.14
10:10	0.4	399.15
10:15	0.3	399.15
10:20	0.2	399.15
10:25	0.2	399.15
10:30	0.1	399.15
10:35	0.1	399.15

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.012	0.004	1.7	0.01
00:10	0.019	0.015	0.004	4.3	0.04
00:15	0.019	0.015	0.004	5.6	0.08
00:20	0.019	0.015	0.004	6.1	0.12
00:25	0.019	0.015	0.004	6.5	0.17
00:30	0.022	0.017	0.005	7.0	0.22
00:35	0.022	0.017	0.005	7.6	0.27
00:40	0.022	0.017	0.005	7.9	0.32
00:45	0.022	0.017	0.005	8.0	0.38
00:50	0.022	0.017	0.005	8.2	0.43
00:55	0.022	0.017	0.005	8.3	0.49
01:00	0.026	0.018	0.008	9.9	0.56
01:05	0.026	0.018	0.008	12.0	0.64
01:10	0.026	0.018	0.008	12.7	0.73
01:15	0.026	0.018	0.008	13.1	0.82
01:20	0.026	0.018	0.008	13.4	0.91
01:25	0.026	0.018	0.008	13.5	1.00
01:30	0.026	0.018	0.008	13.5	1.10
01:35	0.026	0.018	0.008	13.6	1.19
01:40	0.026	0.018	0.008	13.7	1.28
01:45	0.026	0.018	0.008	13.8	1.38
01:50	0.026	0.018	0.008	13.9	1.48
01:55	0.026	0.018	0.008	13.9	1.57
02:00	0.029	0.018	0.011	15.5	1.68
02:05	0.026	0.018	0.008	16.0	1.79
02:10	0.029	0.018	0.011	16.2	1.90
02:15	0.029	0.018	0.011	17.9	2.02
02:20	0.029	0.018	0.011	18.5	2.15
02:25	0.029	0.018	0.011	18.7	2.28
02:30	0.029	0.018	0.011	19.0	2.41
02:35	0.029	0.018	0.011	19.1	2.54
02:40	0.029	0.018	0.011	19.1	2.67
02:45	0.032	0.018	0.014	20.8	2.81
02:50	0.032	0.018	0.014	22.9	2.97
02:55	0.032	0.018	0.014	23.7	3.14
03:00	0.032	0.018	0.014	24.1	3.30
03:05	0.032	0.018	0.014	24.4	3.47
03:10	0.035	0.018	0.018	26.0	3.65
03:15	0.035	0.018	0.018	28.2	3.84
03:20	0.035	0.018	0.018	29.0	4.04
03:25	0.038	0.018	0.021	31.0	4.26
03:30	0.042	0.018	0.024	35.0	4.50
03:35	0.045	0.018	0.027	39.5	4.77
03:40	0.045	0.018	0.027	42.8	5.06
03:45	0.048	0.018	0.030	45.8	5.38
03:50	0.048	0.018	0.030	48.6	5.71
03:55	0.051	0.018	0.034	51.5	6.07
04:00	0.051	0.018	0.034	54.2	6.44
04:05	0.054	0.018	0.037	57.1	6.83
04:10	0.058	0.018	0.040	61.4	7.26
04:15	0.061	0.018	0.043	66.3	7.71
04:20	0.064	0.018	0.046	71.4	8.21
04:25	0.067	0.018	0.050	76.7	8.73
04:30	0.067	0.018	0.050	80.4	9.29
04:35	0.070	0.018	0.053	83.7	9.86
04:40	0.074	0.018	0.056	88.3	10.47
04:45	0.077	0.018	0.059	93.3	11.11
04:50	0.077	0.018	0.059	96.9	11.78
04:55	0.080	0.018	0.062	100.3	12.47
05:00	0.083	0.018	0.066	105.0	13.19
05:05	0.099	0.018	0.082	116.3	14.00
05:10	0.115	0.018	0.098	135.9	14.93
05:15	0.125	0.018	0.107	155.6	16.00
05:20	0.134	0.018	0.117	172.5	17.19
05:25	0.150	0.018	0.133	192.2	18.51

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.018	0.162	221.9	20.04
05:35	0.061	0.018	0.043	189.9	21.35
05:40	0.029	0.018	0.011	108.5	22.10
05:45	0.019	0.015	0.004	63.2	22.53
05:50	0.016	0.012	0.004	42.7	22.83
05:55	0.010	0.007	0.002	28.4	23.02
06:00	0.006	0.005	0.001	22.6	23.18
06:05	0.000	0.000	0.000	18.4	23.31
06:10	0.000	0.000	0.000	14.6	23.41
06:15	0.000	0.000	0.000	11.2	23.48
06:20	0.000	0.000	0.000	7.8	23.54
06:25	0.000	0.000	0.000	3.9	23.56
06:30	0.000	0.000	0.000	1.2	23.57
06:35	0.000	0.000	0.000	0.5	23.58
06:40	0.000	0.000	0.000	0.2	23.58
06:45	0.000	0.000	0.000	0.1	23.58
06:50	0.000	0.000	0.000	0.1	23.58
06:55	0.000	0.000	0.000	0.0	23.58
07:00	0.000	0.000	0.000	0.0	23.58
07:05	0.000	0.000	0.000	0.0	23.58
07:10	0.000	0.000	0.000	0.0	23.58
07:15	0.000	0.000	0.000	0.0	23.58
07:20	0.000	0.000	0.000	0.0	23.58
07:25	0.000	0.000	0.000	0.0	23.58
07:30	0.000	0.000	0.000	0.0	23.58
07:35	0.000	0.000	0.000	0.0	23.58
07:40	0.000	0.000	0.000	0.0	23.58
07:45	0.000	0.000	0.000	0.0	23.58
07:50	0.000	0.000	0.000	0.0	23.58
07:55	0.000	0.000	0.000	0.0	23.58
08:00	0.000	0.000	0.000	0.0	23.58
08:05	0.000	0.000	0.000	0.0	23.58
08:10	0.000	0.000	0.000	0.0	23.58
08:15	0.000	0.000	0.000	0.0	23.58
08:20	0.000	0.000	0.000	0.0	23.58
08:25	0.000	0.000	0.000	0.0	23.58
08:30	0.000	0.000	0.000	0.0	23.58
08:35	0.000	0.000	0.000	0.0	23.58
08:40	0.000	0.000	0.000	0.0	23.58
08:45	0.000	0.000	0.000	0.0	23.58
08:50	0.000	0.000	0.000	0.0	23.58
08:55	0.000	0.000	0.000	0.0	23.58
09:00	0.000	0.000	0.000	0.0	23.58
09:05	0.000	0.000	0.000	0.0	23.58
09:10	0.000	0.000	0.000	0.0	23.58
09:15	0.000	0.000	0.000	0.0	23.58
09:20	0.000	0.000	0.000	0.0	23.58
09:25	0.000	0.000	0.000	0.0	23.58
09:30	0.000	0.000	0.000	0.0	23.58
09:35	0.000	0.000	0.000	0.0	23.58
09:40	0.000	0.000	0.000	0.0	23.58
09:45	0.000	0.000	0.000	0.0	23.58
09:50	0.000	0.000	0.000	0.0	23.58
09:55	0.000	0.000	0.000	0.0	23.58
10:00	0.000	0.000	0.000	0.0	23.58
10:05	0.000	0.000	0.000	0.0	23.58
10:10	0.000	0.000	0.000	0.0	23.58
10:15	0.000	0.000	0.000	0.0	23.58
10:20	0.000	0.000	0.000	0.0	23.58
10:25	0.000	0.000	0.000	0.0	23.58
10:30	0.000	0.000	0.000	0.0	23.58
10:35	0.000	0.000	0.000	0.0	23.58

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	1.7	0.01
00:10	4.3	0.04
00:15	8.6	0.10
00:20	21.3	0.25
00:25	31.5	0.46
00:30	43.3	0.76
00:35	54.3	1.14
00:40	62.8	1.57
00:45	69.4	2.05
00:50	75.1	2.56
00:55	80.9	3.12
01:00	88.0	3.73
01:05	96.3	4.39
01:10	103.8	5.11
01:15	111.0	5.87
01:20	118.4	6.69
01:25	124.9	7.55
01:30	130.0	8.44
01:35	134.1	9.36
01:40	137.6	10.31
01:45	140.6	11.28
01:50	142.9	12.26
01:55	147.8	13.28
02:00	152.4	14.33
02:05	159.4	15.43
02:10	167.2	16.58
02:15	178.7	17.81
02:20	190.4	19.12
02:25	200.5	20.50
02:30	211.1	21.96
02:35	220.3	23.48
02:40	230.7	25.06
02:45	241.6	26.73
02:50	255.3	28.49
02:55	268.7	30.34
03:00	282.8	32.28
03:05	301.0	34.36
03:10	319.7	36.56
03:15	338.4	38.89
03:20	358.8	41.36
03:25	386.0	44.02
03:30	422.2	46.93
03:35	462.1	50.11
03:40	507.5	53.60
03:45	556.3	57.44
03:50	610.0	61.64
03:55	660.8	66.19
04:00	712.8	71.10
04:05	766.7	76.38
04:10	824.3	82.05
04:15	886.8	88.16
04:20	954.5	94.74
04:25	1025.7	101.80
04:30	1099.5	109.37
04:35	1174.5	117.46
04:40	1252.1	126.08
04:45	1327.6	135.23
04:50	1401.7	144.88
04:55	1476.8	155.05
05:00	1571.9	165.88
05:05	1693.0	177.54
05:10	1844.9	190.24
05:15	2028.8	204.22
05:20	2252.0	219.73
05:25	2535.9	237.19

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	2695.4	255.75
05:35	2746.7	274.67
05:40	2621.9	292.73
05:45	2430.2	309.46
05:50	2136.3	324.18
05:55	1744.9	336.19
06:00	1399.4	345.83
06:05	1140.2	353.68
06:10	955.5	360.27
06:15	805.2	365.81
06:20	704.5	370.66
06:25	620.7	374.94
06:30	535.5	378.63
06:35	468.0	381.85
06:40	429.8	384.81
06:45	401.8	387.58
06:50	372.3	390.14
06:55	339.7	392.48
07:00	304.5	394.58
07:05	265.8	396.41
07:10	220.6	397.93
07:15	191.5	399.25
07:20	179.9	400.48
07:25	175.7	401.69
07:30	172.8	402.88
07:35	170.0	404.06
07:40	167.0	405.21
07:45	164.1	406.34
07:50	161.1	407.44
07:55	158.0	408.53
08:00	154.7	409.60
08:05	151.3	410.64
08:10	147.5	411.66
08:15	143.5	412.64
08:20	139.0	413.60
08:25	134.2	414.53
08:30	129.1	415.42
08:35	123.8	416.27
08:40	118.3	417.08
08:45	112.5	417.86
08:50	106.3	418.59
08:55	99.9	419.28
09:00	93.4	419.92
09:05	86.4	420.52
09:10	78.3	421.06
09:15	68.5	421.53
09:20	57.5	421.92
09:25	45.7	422.24
09:30	32.9	422.46
09:35	19.6	422.60
09:40	9.1	422.66
09:45	4.1	422.69
09:50	2.1	422.70
09:55	1.2	422.71
10:00	0.8	422.72
10:05	0.6	422.72
10:10	0.4	422.73
10:15	0.3	422.73
10:20	0.2	422.73
10:25	0.2	422.73
10:30	0.1	422.73
10:35	0.1	422.73

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	1.7	0.00	0.01
00:10	4.3	0.00	0.04
00:15	8.6	0.40	0.10
00:20	21.3	1.43	0.25
00:25	31.5	3.50	0.46
00:30	43.3	5.48	0.76
00:35	54.3	6.38	1.14
00:40	62.8	6.98	1.57
00:45	69.4	7.37	2.05
00:50	75.1	7.64	2.56
00:55	80.9	7.84	3.12
01:00	88.0	8.03	3.73
01:05	96.3	8.24	4.39
01:10	103.8	8.47	5.11
01:15	111.0	8.68	5.87
01:20	118.4	8.87	6.69
01:25	124.9	9.05	7.55
01:30	130.0	9.20	8.44
01:35	134.1	9.31	9.36
01:40	137.6	9.40	10.31
01:45	140.6	9.48	11.28
01:50	142.9	9.54	12.26
01:55	147.8	9.59	13.28
02:00	152.4	9.69	14.33
02:05	159.4	9.79	15.43
02:10	167.2	9.93	16.58
02:15	178.7	10.09	17.81
02:20	190.4	10.30	19.12
02:25	200.5	10.49	20.50
02:30	211.1	10.67	21.96
02:35	220.3	10.83	23.48
02:40	230.7	10.98	25.06
02:45	241.6	11.14	26.73
02:50	255.3	11.31	28.49
02:55	268.7	11.50	30.34
03:00	282.8	11.69	32.28
03:05	301.0	11.88	34.36
03:10	319.7	12.12	36.56
03:15	338.4	12.34	38.89
03:20	358.8	12.56	41.36
03:25	386.0	12.81	44.02
03:30	422.2	13.13	46.93
03:35	462.1	13.51	50.11
03:40	507.5	13.90	53.60
03:45	556.3	14.31	57.44
03:50	610.0	14.73	61.64
03:55	660.8	15.14	66.19
04:00	712.8	15.51	71.10
04:05	766.7	15.87	76.38
04:10	824.3	16.24	82.05
04:15	886.8	16.61	88.16
04:20	954.5	16.99	94.74
04:25	1025.7	17.38	101.80
04:30	1099.5	17.77	109.37
04:35	1174.5	18.15	117.46
04:40	1252.1	18.52	126.08
04:45	1327.6	18.87	135.23
04:50	1401.7	19.20	144.88
04:55	1476.8	19.52	155.05
05:00	1571.9	19.88	165.88
05:05	1693.0	20.31	177.54
05:10	1844.9	20.83	190.24
05:15	2028.8	21.43	204.22
05:20	2252.0	22.11	219.73
05:25	2535.9	22.91	237.19

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2695.4	23.50	255.75
05:35	2746.7	23.75	274.67
05:40	2621.9	23.60	292.73
05:45	2430.2	23.14	309.46
05:50	2136.3	22.40	324.18
05:55	1744.9	21.29	336.19
06:00	1399.4	19.98	345.83
06:05	1140.2	18.75	353.68
06:10	955.5	17.70	360.27
06:15	805.2	16.80	365.81
06:20	704.5	16.04	370.66
06:25	620.7	15.42	374.94
06:30	535.5	14.81	378.63
06:35	468.0	14.18	381.85
06:40	429.8	13.69	384.81
06:45	401.8	13.36	387.58
06:50	372.3	13.08	390.14
06:55	339.7	12.77	392.48
07:00	304.5	12.40	394.58
07:05	265.8	11.98	396.41
07:10	220.6	11.47	397.93
07:15	191.5	10.88	399.25
07:20	179.9	10.46	400.48
07:25	175.7	10.28	401.69
07:30	172.8	10.21	402.88
07:35	170.0	10.16	404.06
07:40	167.0	10.11	405.21
07:45	164.1	10.05	406.34
07:50	161.1	10.00	407.44
07:55	158.0	9.94	408.53
08:00	154.7	9.88	409.60
08:05	151.3	9.82	410.64
08:10	147.5	9.75	411.66
08:15	143.5	9.67	412.64
08:20	139.0	9.59	413.60
08:25	134.2	9.50	414.53
08:30	129.1	9.40	415.42
08:35	123.8	9.29	416.27
08:40	118.3	9.17	417.08
08:45	112.5	9.04	417.86
08:50	106.3	8.91	418.59
08:55	99.9	8.75	419.28
09:00	93.4	8.59	419.92
09:05	86.4	8.42	420.52
09:10	78.3	8.23	421.06
09:15	68.5	7.99	421.53
09:20	57.5	7.70	421.92
09:25	45.7	7.33	422.24
09:30	32.9	6.90	422.46
09:35	19.6	6.36	422.60
09:40	9.1	5.71	422.66
09:45	4.1	4.97	422.69
09:50	2.1	4.22	422.70
09:55	1.2	3.60	422.71
10:00	0.8	3.12	422.72
10:05	0.6	2.76	422.72
10:10	0.4	2.46	422.73
10:15	0.3	2.24	422.73
10:20	0.2	2.06	422.73
10:25	0.2	1.90	422.73
10:30	0.1	1.76	422.73
10:35	0.1	1.65	422.73

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.001	0.9	0.01
02:05	0.026	0.026	0.000	1.6	0.02
02:10	0.029	0.028	0.001	1.7	0.03
02:15	0.029	0.028	0.001	2.8	0.05
02:20	0.029	0.028	0.001	3.5	0.07
02:25	0.029	0.028	0.001	3.9	0.10
02:30	0.029	0.028	0.001	4.0	0.13
02:35	0.029	0.028	0.001	4.2	0.16
02:40	0.029	0.028	0.001	4.3	0.18
02:45	0.032	0.028	0.005	6.5	0.23
02:50	0.032	0.028	0.005	10.4	0.30
02:55	0.032	0.028	0.005	12.5	0.39
03:00	0.032	0.028	0.005	13.6	0.48
03:05	0.032	0.028	0.005	14.2	0.58
03:10	0.035	0.028	0.008	16.8	0.69
03:15	0.035	0.028	0.008	21.0	0.84
03:20	0.035	0.028	0.008	23.3	1.00
03:25	0.038	0.028	0.011	26.5	1.18
03:30	0.042	0.028	0.014	33.2	1.41
03:35	0.045	0.028	0.017	41.9	1.70
03:40	0.045	0.028	0.017	49.3	2.04
03:45	0.048	0.028	0.021	55.3	2.42
03:50	0.048	0.028	0.021	61.4	2.84
03:55	0.051	0.028	0.024	67.2	3.30
04:00	0.051	0.028	0.024	73.2	3.81
04:05	0.054	0.028	0.027	78.7	4.35
04:10	0.058	0.028	0.030	86.6	4.95
04:15	0.061	0.028	0.033	96.1	5.61
04:20	0.064	0.028	0.037	106.3	6.34
04:25	0.067	0.028	0.040	116.8	7.14
04:30	0.067	0.028	0.040	125.4	8.01
04:35	0.070	0.028	0.043	132.6	8.92
04:40	0.074	0.028	0.046	141.6	9.90
04:45	0.077	0.028	0.049	151.7	10.94
04:50	0.077	0.028	0.049	160.2	12.04
04:55	0.080	0.028	0.053	167.0	13.19
05:00	0.083	0.028	0.056	175.8	14.40
05:05	0.099	0.028	0.072	194.5	15.74
05:10	0.115	0.028	0.088	229.1	17.32
05:15	0.125	0.028	0.097	268.0	19.17
05:20	0.134	0.028	0.107	303.3	21.26
05:25	0.150	0.028	0.123	341.1	23.61

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.152	395.0	26.33
05:35	0.061	0.028	0.033	371.6	28.89
05:40	0.029	0.028	0.001	236.8	30.52
05:45	0.019	0.019	0.000	136.0	31.45
05:50	0.016	0.016	0.000	87.9	32.06
05:55	0.010	0.010	0.000	65.1	32.51
06:00	0.006	0.006	0.000	47.2	32.83
06:05	0.000	0.000	0.000	34.6	33.07
06:10	0.000	0.000	0.000	30.5	33.28
06:15	0.000	0.000	0.000	28.2	33.48
06:20	0.000	0.000	0.000	25.5	33.65
06:25	0.000	0.000	0.000	22.2	33.80
06:30	0.000	0.000	0.000	18.4	33.93
06:35	0.000	0.000	0.000	14.2	34.03
06:40	0.000	0.000	0.000	9.4	34.09
06:45	0.000	0.000	0.000	3.6	34.12
06:50	0.000	0.000	0.000	0.5	34.12
06:55	0.000	0.000	0.000	0.0	34.12
07:00	0.000	0.000	0.000	0.0	34.12
07:05	0.000	0.000	0.000	0.0	34.12
07:10	0.000	0.000	0.000	0.0	34.12
07:15	0.000	0.000	0.000	0.0	34.12
07:20	0.000	0.000	0.000	0.0	34.12
07:25	0.000	0.000	0.000	0.0	34.12
07:30	0.000	0.000	0.000	0.0	34.12
07:35	0.000	0.000	0.000	0.0	34.12
07:40	0.000	0.000	0.000	0.0	34.12
07:45	0.000	0.000	0.000	0.0	34.12
07:50	0.000	0.000	0.000	0.0	34.12
07:55	0.000	0.000	0.000	0.0	34.12
08:00	0.000	0.000	0.000	0.0	34.12
08:05	0.000	0.000	0.000	0.0	34.12
08:10	0.000	0.000	0.000	0.0	34.12
08:15	0.000	0.000	0.000	0.0	34.12
08:20	0.000	0.000	0.000	0.0	34.12
08:25	0.000	0.000	0.000	0.0	34.12
08:30	0.000	0.000	0.000	0.0	34.12
08:35	0.000	0.000	0.000	0.0	34.12
08:40	0.000	0.000	0.000	0.0	34.12
08:45	0.000	0.000	0.000	0.0	34.12
08:50	0.000	0.000	0.000	0.0	34.12
08:55	0.000	0.000	0.000	0.0	34.12
09:00	0.000	0.000	0.000	0.0	34.12
09:05	0.000	0.000	0.000	0.0	34.12
09:10	0.000	0.000	0.000	0.0	34.12
09:15	0.000	0.000	0.000	0.0	34.12
09:20	0.000	0.000	0.000	0.0	34.12
09:25	0.000	0.000	0.000	0.0	34.12
09:30	0.000	0.000	0.000	0.0	34.12
09:35	0.000	0.000	0.000	0.0	34.12
09:40	0.000	0.000	0.000	0.0	34.12
09:45	0.000	0.000	0.000	0.0	34.12
09:50	0.000	0.000	0.000	0.0	34.12
09:55	0.000	0.000	0.000	0.0	34.12
10:00	0.000	0.000	0.000	0.0	34.12
10:05	0.000	0.000	0.000	0.0	34.12
10:10	0.000	0.000	0.000	0.0	34.12
10:15	0.000	0.000	0.000	0.0	34.12
10:20	0.000	0.000	0.000	0.0	34.12
10:25	0.000	0.000	0.000	0.0	34.12
10:30	0.000	0.000	0.000	0.0	34.12
10:35	0.000	0.000	0.000	0.0	34.12

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.015	0.001	0.5	0.00
00:10	0.019	0.017	0.002	1.4	0.01
00:15	0.019	0.017	0.002	1.8	0.03
00:20	0.019	0.017	0.002	2.0	0.04
00:25	0.019	0.017	0.002	2.1	0.05
00:30	0.022	0.020	0.002	2.3	0.07
00:35	0.022	0.020	0.002	2.5	0.09
00:40	0.022	0.020	0.002	2.6	0.10
00:45	0.022	0.020	0.002	2.6	0.12
00:50	0.022	0.020	0.002	2.7	0.14
00:55	0.022	0.020	0.002	2.7	0.16
01:00	0.026	0.023	0.002	2.9	0.18
01:05	0.026	0.023	0.002	3.1	0.20
01:10	0.026	0.023	0.002	3.1	0.22
01:15	0.026	0.023	0.002	3.2	0.24
01:20	0.026	0.023	0.002	3.2	0.27
01:25	0.026	0.023	0.002	3.2	0.29
01:30	0.026	0.023	0.002	3.2	0.31
01:35	0.026	0.023	0.002	3.2	0.33
01:40	0.026	0.023	0.002	3.2	0.35
01:45	0.026	0.023	0.002	3.2	0.38
01:50	0.026	0.023	0.002	3.2	0.40
01:55	0.026	0.023	0.002	3.2	0.42
02:00	0.029	0.024	0.005	4.3	0.45
02:05	0.026	0.023	0.002	4.8	0.48
02:10	0.029	0.024	0.005	4.9	0.52
02:15	0.029	0.024	0.005	6.2	0.56
02:20	0.029	0.024	0.005	6.7	0.61
02:25	0.029	0.024	0.005	6.8	0.65
02:30	0.029	0.024	0.005	7.0	0.70
02:35	0.029	0.024	0.005	7.1	0.75
02:40	0.029	0.024	0.005	7.2	0.80
02:45	0.032	0.024	0.008	8.4	0.86
02:50	0.032	0.024	0.008	10.1	0.93
02:55	0.032	0.024	0.008	10.8	1.00
03:00	0.032	0.024	0.008	11.1	1.08
03:05	0.032	0.024	0.008	11.4	1.16
03:10	0.035	0.024	0.012	12.7	1.24
03:15	0.035	0.024	0.012	14.4	1.34
03:20	0.035	0.024	0.012	15.1	1.45
03:25	0.038	0.024	0.015	16.6	1.56
03:30	0.042	0.024	0.018	19.7	1.70
03:35	0.045	0.024	0.021	23.3	1.86
03:40	0.045	0.024	0.021	26.0	2.04
03:45	0.048	0.024	0.024	28.4	2.23
03:50	0.048	0.024	0.024	30.8	2.44
03:55	0.051	0.024	0.028	33.1	2.67
04:00	0.051	0.024	0.028	35.3	2.91
04:05	0.054	0.024	0.031	37.6	3.17
04:10	0.058	0.024	0.034	41.0	3.46
04:15	0.061	0.024	0.037	45.0	3.77
04:20	0.064	0.024	0.040	49.1	4.10
04:25	0.067	0.024	0.044	53.3	4.47
04:30	0.067	0.024	0.044	56.5	4.86
04:35	0.070	0.024	0.047	59.1	5.27
04:40	0.074	0.024	0.050	62.8	5.70
04:45	0.077	0.024	0.053	66.9	6.16
04:50	0.077	0.024	0.053	69.9	6.64
04:55	0.080	0.024	0.056	72.5	7.14
05:00	0.083	0.024	0.060	76.3	7.66
05:05	0.099	0.024	0.076	85.0	8.25
05:10	0.115	0.024	0.092	100.5	8.94
05:15	0.125	0.024	0.101	116.3	9.74
05:20	0.134	0.024	0.111	130.0	10.64
05:25	0.150	0.024	0.127	145.7	11.64

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.024	0.156	169.2	12.81
05:35	0.061	0.024	0.037	147.5	13.82
05:40	0.029	0.024	0.005	83.1	14.39
05:45	0.019	0.017	0.002	47.6	14.72
05:50	0.016	0.015	0.001	31.7	14.94
05:55	0.010	0.009	0.001	21.2	15.09
06:00	0.006	0.006	0.001	16.2	15.20
06:05	0.000	0.000	0.000	13.7	15.29
06:10	0.000	0.000	0.000	11.5	15.37
06:15	0.000	0.000	0.000	9.4	15.44
06:20	0.000	0.000	0.000	7.2	15.49
06:25	0.000	0.000	0.000	4.8	15.52
06:30	0.000	0.000	0.000	1.8	15.53
06:35	0.000	0.000	0.000	0.4	15.53
06:40	0.000	0.000	0.000	0.1	15.54
06:45	0.000	0.000	0.000	0.1	15.54
06:50	0.000	0.000	0.000	0.0	15.54
06:55	0.000	0.000	0.000	0.0	15.54
07:00	0.000	0.000	0.000	0.0	15.54
07:05	0.000	0.000	0.000	0.0	15.54
07:10	0.000	0.000	0.000	0.0	15.54
07:15	0.000	0.000	0.000	0.0	15.54
07:20	0.000	0.000	0.000	0.0	15.54
07:25	0.000	0.000	0.000	0.0	15.54
07:30	0.000	0.000	0.000	0.0	15.54
07:35	0.000	0.000	0.000	0.0	15.54
07:40	0.000	0.000	0.000	0.0	15.54
07:45	0.000	0.000	0.000	0.0	15.54
07:50	0.000	0.000	0.000	0.0	15.54
07:55	0.000	0.000	0.000	0.0	15.54
08:00	0.000	0.000	0.000	0.0	15.54
08:05	0.000	0.000	0.000	0.0	15.54
08:10	0.000	0.000	0.000	0.0	15.54
08:15	0.000	0.000	0.000	0.0	15.54
08:20	0.000	0.000	0.000	0.0	15.54
08:25	0.000	0.000	0.000	0.0	15.54
08:30	0.000	0.000	0.000	0.0	15.54
08:35	0.000	0.000	0.000	0.0	15.54
08:40	0.000	0.000	0.000	0.0	15.54
08:45	0.000	0.000	0.000	0.0	15.54
08:50	0.000	0.000	0.000	0.0	15.54
08:55	0.000	0.000	0.000	0.0	15.54
09:00	0.000	0.000	0.000	0.0	15.54
09:05	0.000	0.000	0.000	0.0	15.54
09:10	0.000	0.000	0.000	0.0	15.54
09:15	0.000	0.000	0.000	0.0	15.54
09:20	0.000	0.000	0.000	0.0	15.54
09:25	0.000	0.000	0.000	0.0	15.54
09:30	0.000	0.000	0.000	0.0	15.54
09:35	0.000	0.000	0.000	0.0	15.54
09:40	0.000	0.000	0.000	0.0	15.54
09:45	0.000	0.000	0.000	0.0	15.54
09:50	0.000	0.000	0.000	0.0	15.54
09:55	0.000	0.000	0.000	0.0	15.54
10:00	0.000	0.000	0.000	0.0	15.54
10:05	0.000	0.000	0.000	0.0	15.54
10:10	0.000	0.000	0.000	0.0	15.54
10:15	0.000	0.000	0.000	0.0	15.54
10:20	0.000	0.000	0.000	0.0	15.54
10:25	0.000	0.000	0.000	0.0	15.54
10:30	0.000	0.000	0.000	0.0	15.54
10:35	0.000	0.000	0.000	0.0	15.54

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	1.0	0.01
00:10	1.0	0.01
00:15	2.0	0.03
00:20	2.0	0.04
00:25	8.0	0.10
00:30	27.0	0.28
00:35	45.0	0.59
00:40	69.0	1.07
00:45	100.0	1.76
00:50	133.0	2.67
00:55	158.0	3.76
01:00	173.0	4.95
01:05	194.0	6.29
01:10	237.0	7.92
01:15	289.0	9.91
01:20	341.0	12.26
01:25	426.0	15.19
01:30	512.0	18.72
01:35	562.0	22.59
01:40	597.0	26.70
01:45	631.0	31.05
01:50	663.0	35.61
01:55	689.0	40.36
02:00	716.0	45.29
02:05	739.0	50.38
02:10	762.0	55.63
02:15	788.0	61.05
02:20	819.0	66.69
02:25	853.0	72.57
02:30	891.0	78.71
02:35	931.0	85.12
02:40	971.0	91.80
02:45	1018.0	98.82
02:50	1069.0	106.18
02:55	1117.0	113.87
03:00	1165.0	121.89
03:05	1219.0	130.29
03:10	1290.0	139.17
03:15	1373.0	148.63
03:20	1456.0	158.66
03:25	1550.0	169.33
03:30	1677.0	180.88
03:35	1846.0	193.60
03:40	2055.0	207.75
03:45	2304.0	223.62
03:50	2586.0	241.43
03:55	2884.0	261.29
04:00	3181.0	283.20
04:05	3473.0	307.11
04:10	3775.0	333.11
04:15	4102.0	361.36
04:20	4465.0	392.11
04:25	4867.0	425.63
04:30	5294.0	462.09
04:35	5734.0	501.58
04:40	6182.0	544.16
04:45	6628.0	589.81
04:50	7062.0	638.44
04:55	7496.0	690.07
05:00	7954.0	744.85
05:05	8484.0	803.28
05:10	9160.0	866.36
05:15	10023.0	935.39
05:20	11104.0	1011.87
05:25	12450.0	1097.61

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	14001.0	1194.04
05:35	15238.0	1298.98
05:40	15452.0	1405.40
05:45	14752.0	1507.00
05:50	13341.0	1598.88
05:55	11472.0	1677.89
06:00	9645.0	1744.31
06:05	8154.0	1800.47
06:10	6986.0	1848.58
06:15	6074.0	1890.41
06:20	5324.0	1927.08
06:25	4641.0	1959.04
06:30	4007.0	1986.64
06:35	3464.0	2010.50
06:40	3034.0	2031.39
06:45	2698.0	2049.97
06:50	2423.0	2066.66
06:55	2185.0	2081.71
07:00	1978.0	2095.33
07:05	1801.0	2107.73
07:10	1643.0	2119.05
07:15	1496.0	2129.35
07:20	1376.0	2138.83
07:25	1283.0	2147.67
07:30	1207.0	2155.98
07:35	1138.0	2163.82
07:40	1069.0	2171.18
07:45	999.0	2178.06
07:50	930.0	2184.46
07:55	860.0	2190.39
08:00	792.0	2195.84
08:05	727.0	2200.85
08:10	671.0	2205.47
08:15	625.0	2209.77
08:20	588.0	2213.82
08:25	558.0	2217.67
08:30	531.0	2221.32
08:35	506.0	2224.81
08:40	480.0	2228.11
08:45	454.0	2231.24
08:50	429.0	2234.19
08:55	405.0	2236.98
09:00	385.0	2239.63
09:05	368.0	2242.17
09:10	354.0	2244.61
09:15	339.0	2246.94
09:20	323.0	2249.17
09:25	306.0	2251.27
09:30	289.0	2253.26
09:35	273.0	2255.14
09:40	256.0	2256.91
09:45	241.0	2258.57
09:50	228.0	2260.14
09:55	218.0	2261.64
10:00	209.0	2263.08
10:05	202.0	2264.47
10:10	194.0	2265.81
10:15	187.0	2267.09
10:20	180.0	2268.33
10:25	173.0	2269.52
10:30	165.0	2270.66
10:35	158.0	2271.75

Appendix B: Existing Culvert Capacity Estimates

HY-8 Culvert Analysis Software

Version HY-8.7.30
from
the Federal Highway Administration

with

Aquaveo

and

Environmental Modeling Research Laboratory at BYU

Project Notes

Project Title: RANCHO SAN GORGONIO
Designer: Aaron T. Skeers, Encompass Associates, Inc.
Project Date: Friday, November 02, 2012
Notes:

Project Units: U.S. Customary Units

Outlet Control Option: Profiles

Exit Loss Option: Standard Method

Smith Creek at I-10 Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 0 cfs

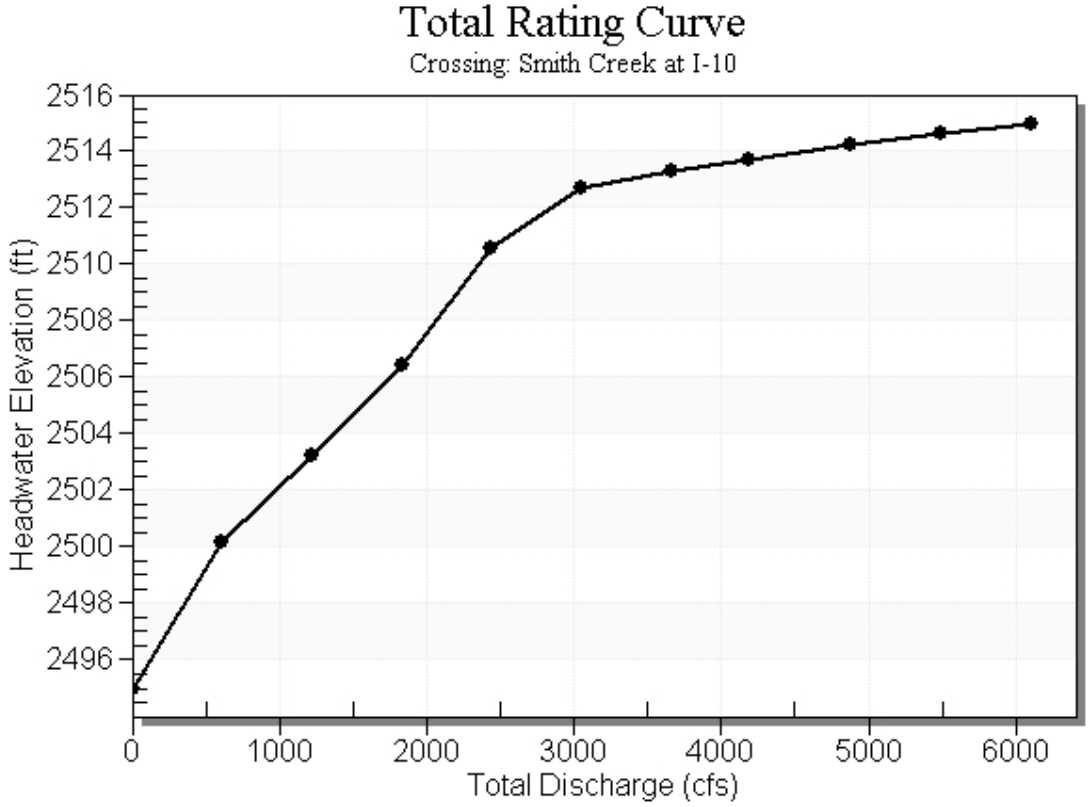
Design Flow: 4189 cfs

Maximum Flow: 6100 cfs

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
2495.00	0.00	0.00	0.00	1
2500.16	610.00	610.00	0.00	1
2503.23	1220.00	1220.00	0.00	1
2506.43	1830.00	1830.00	0.00	1
2510.54	2440.00	2440.00	0.00	1
2512.68	3050.00	2702.31	346.81	6
2513.29	3660.00	2771.51	888.29	4
2513.72	4189.00	2819.84	1368.98	4
2514.22	4880.00	2874.55	2005.36	4
2514.62	5490.00	2917.55	2570.85	3
2514.99	6100.00	2957.18	3141.43	3
2512.00	2621.69	2621.69	0.00	Overtopping

Table 1 - Summary of Culvert Flows at Crossing: Smith Creek at I-10

Rating Curve Plot for Crossing: Smith Creek at I-10



Crossing Front View (Roadway Profile): Smith Creek at I-10

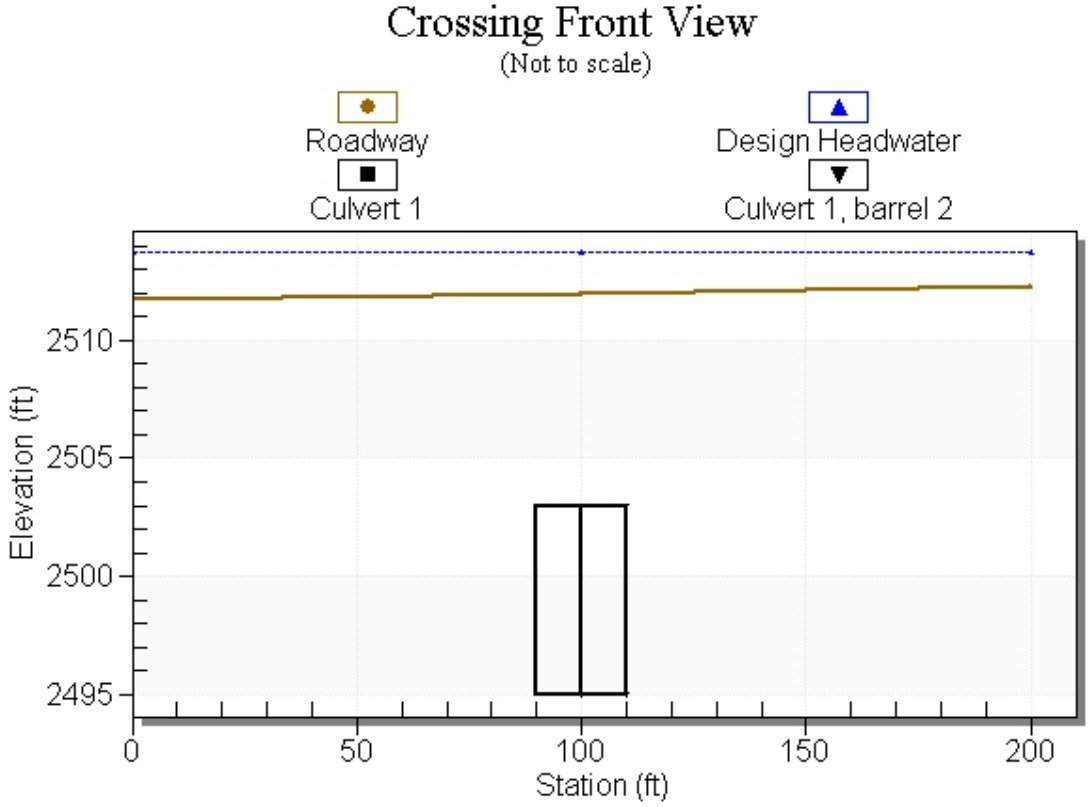


Table 2 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
0.00	0.00	2495.00	0.000	0.000	0-NF	0.000	0.000	0.000	0.000	0.000
610.00	610.00	2500.16	5.162	0.0*	1-S2n	1.702	3.068	1.811	1.920	16.844
1220.00	1220.00	2503.23	8.225	2.120	5-S2n	2.749	4.871	3.049	2.982	20.009
1830.00	1830.00	2506.43	11.434	6.628	5-S2n	3.674	6.383	4.173	3.877	21.929
2440.00	2440.00	2510.54	15.543	10.364	5-S2n	4.533	7.732	5.225	4.686	23.348
3050.00	2702.31	2512.68	17.682	12.083	5-S2n	4.891	8.000	5.658	5.438	23.880
3660.00	2771.51	2513.29	18.286	12.529	5-S2n	4.986	8.000	5.768	6.151	24.025
4189.00	2819.84	2513.72	18.717	12.846	5-S2n	5.052	8.000	5.843	6.744	24.131
4880.00	2874.55	2514.22	19.216	13.212	5-S2n	5.126	8.000	5.927	7.491	24.251
5490.00	2917.55	2514.62	19.615	13.505	5-S2n	5.183	8.000	5.991	8.130	24.349
6100.00	2957.18	2514.99	19.989	14.032	5-S2n	5.235	8.000	6.049	8.754	24.442

* Full Flow Headwater elevation is below inlet invert.

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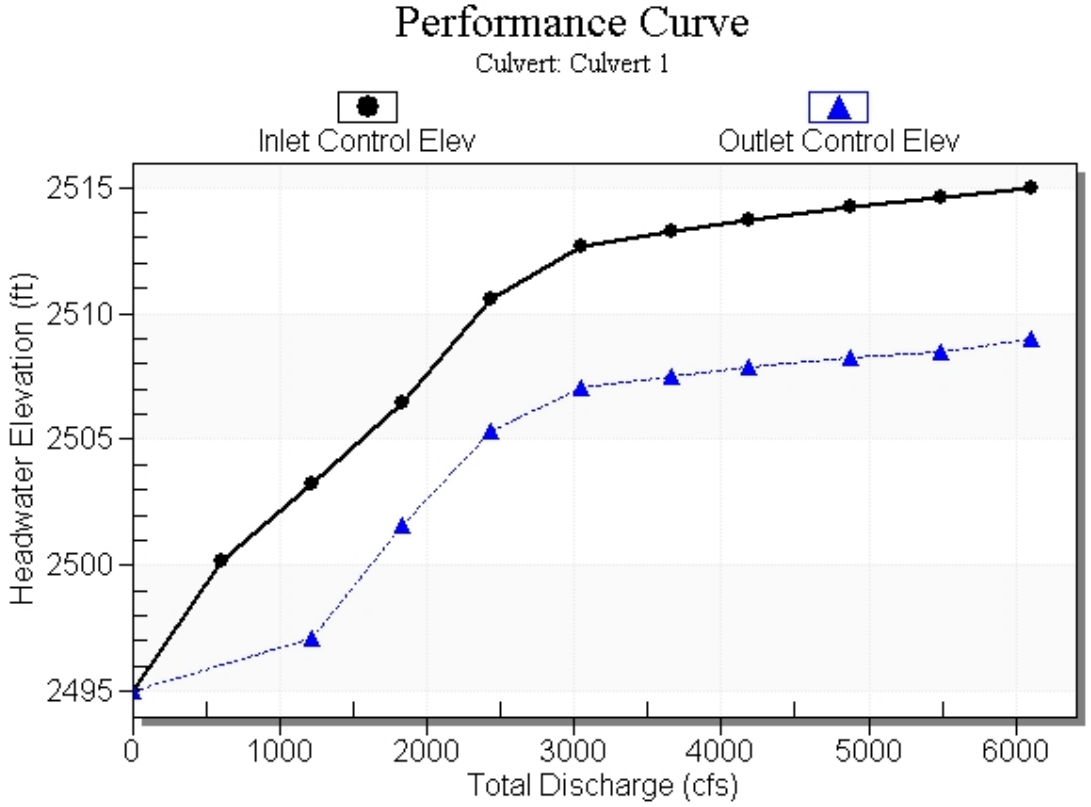
Straight Culvert

Inlet Elevation (invert): 2495.00 ft, Outlet Elevation (invert): 2490.50 ft

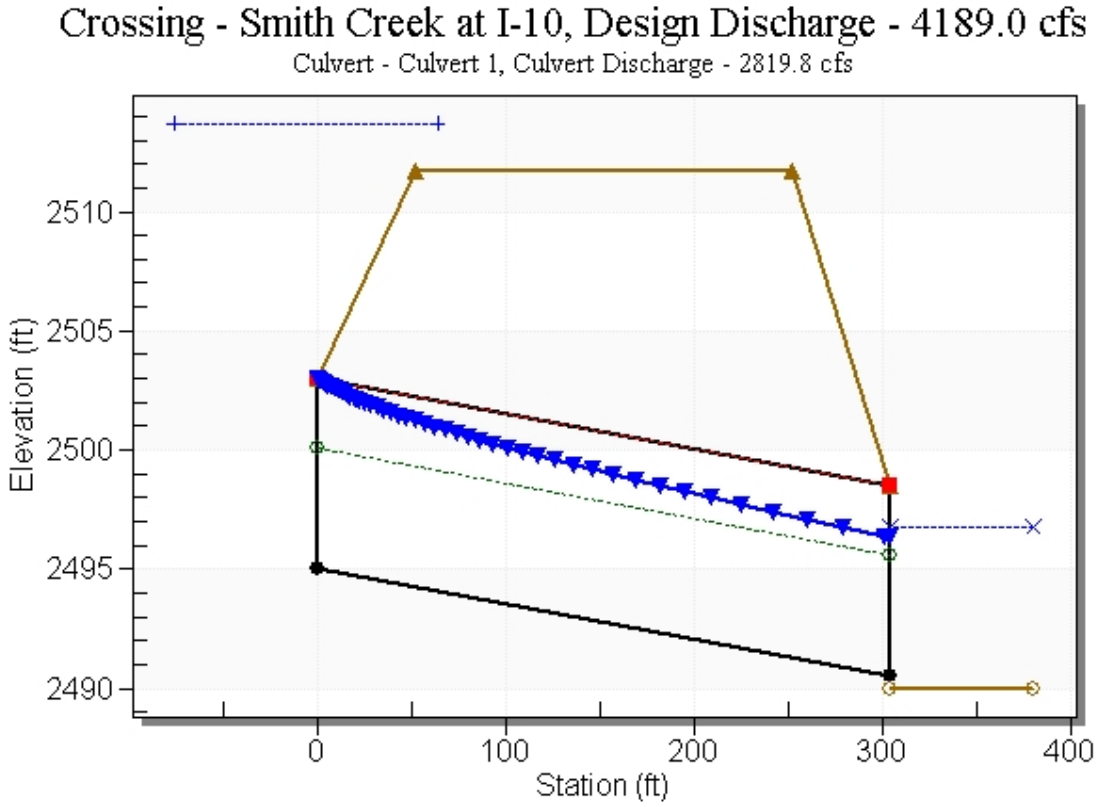
Culvert Length: 304.03 ft, Culvert Slope: 0.0148

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Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2495.00 ft

Outlet Station: 304.00 ft

Outlet Elevation: 2490.50 ft

Number of Barrels: 2

Culvert Data Summary - Culvert 1

Barrel Shape: Concrete Box

Barrel Span: 10.00 ft

Barrel Rise: 8.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge (90º) Headwall

Inlet Depression: NONE

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
0.00	2490.00	0.00	0.00	0.00	0.00
610.00	2491.92	1.92	10.59	1.20	1.35
1220.00	2492.98	2.98	13.64	1.86	1.39
1830.00	2493.88	3.88	15.73	2.42	1.41
2440.00	2494.69	4.69	17.36	2.92	1.41
3050.00	2495.44	5.44	18.70	3.39	1.41
3660.00	2496.15	6.15	19.84	3.84	1.41
4189.00	2496.74	6.74	20.71	4.21	1.41
4880.00	2497.49	7.49	21.71	4.67	1.40
5490.00	2498.13	8.13	22.51	5.07	1.39
6100.00	2498.75	8.75	23.23	5.46	1.38

Table 3 - Downstream Channel Rating Curve (Crossing: Smith Creek at I-10)

Tailwater Channel Data - Smith Creek at I-10

Tailwater Channel Option: Rectangular Channel

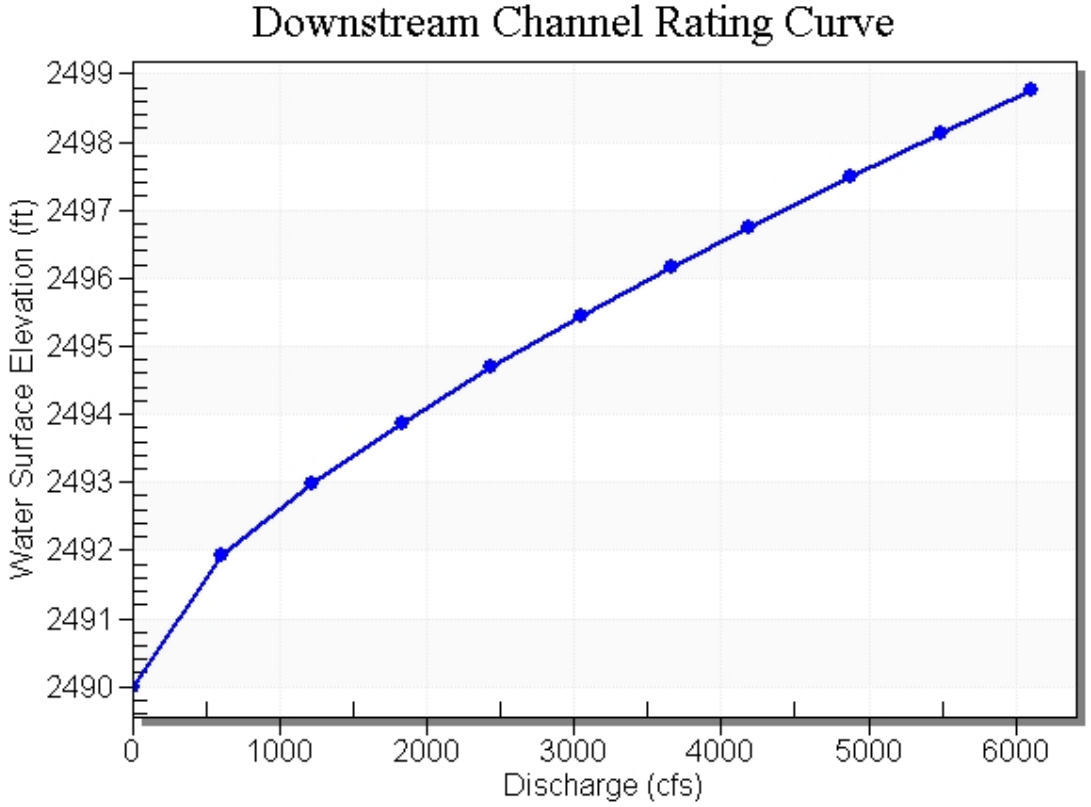
Bottom Width: 30.00 ft

Channel Slope: 0.0100

Channel Manning's n: 0.0200

Channel Invert Elevation: 2490.00 ft

Tailwater Rating Curve Plot for Crossing: Smith Creek at I-10



Roadway Data for Crossing: Smith Creek at I-10

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	0.00	2511.72
1	100.00	2512.00
2	200.00	2512.28

Roadway Surface: Paved

Roadway Top Width: 200.00 ft

Smith Creek at SPRR Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 2540 cfs

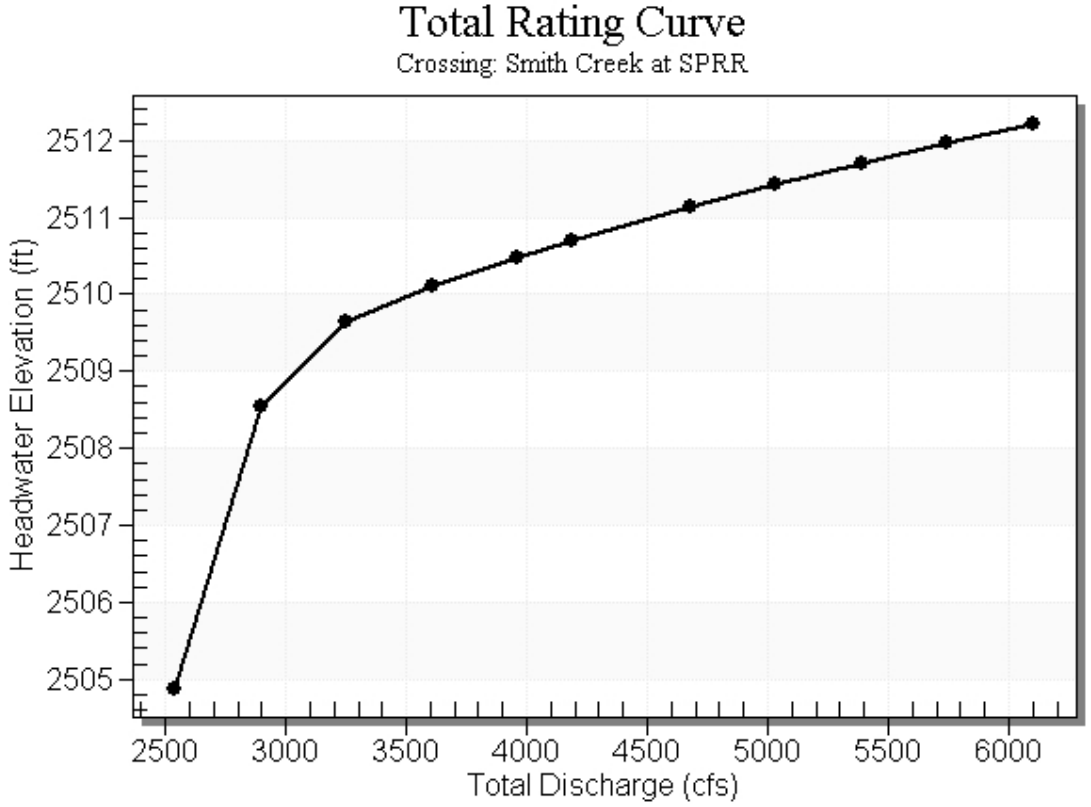
Design Flow: 4189 cfs

Maximum Flow: 6100 cfs

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Culvert 2 Discharge (cfs)	Culvert 3 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
2504.88	2540.00	767.13	1005.74	767.13	0.00	14
2508.54	2896.00	875.31	1145.38	875.31	0.00	6
2509.64	3252.00	905.29	1182.48	905.29	258.33	5
2510.10	3608.00	917.47	1197.25	917.47	575.41	4
2510.48	3964.00	927.56	1209.47	927.56	899.20	4
2510.70	4189.00	933.25	1216.40	933.25	1105.91	4
2511.13	4676.00	943.92	1230.15	943.92	1557.92	4
2511.43	5032.00	951.05	1239.32	951.05	1890.49	4
2511.70	5388.00	957.73	1247.92	957.73	2223.41	3
2511.97	5744.00	964.08	1256.09	964.08	2558.65	3
2512.22	6100.00	970.14	1263.89	970.14	2894.87	3
2509.00	2937.30	887.91	1161.48	887.91	0.00	Overtopping

Table 4 - Summary of Culvert Flows at Crossing: Smith Creek at SPRR

Rating Curve Plot for Crossing: Smith Creek at SPRR



Crossing Front View (Roadway Profile): Smith Creek at SPRR

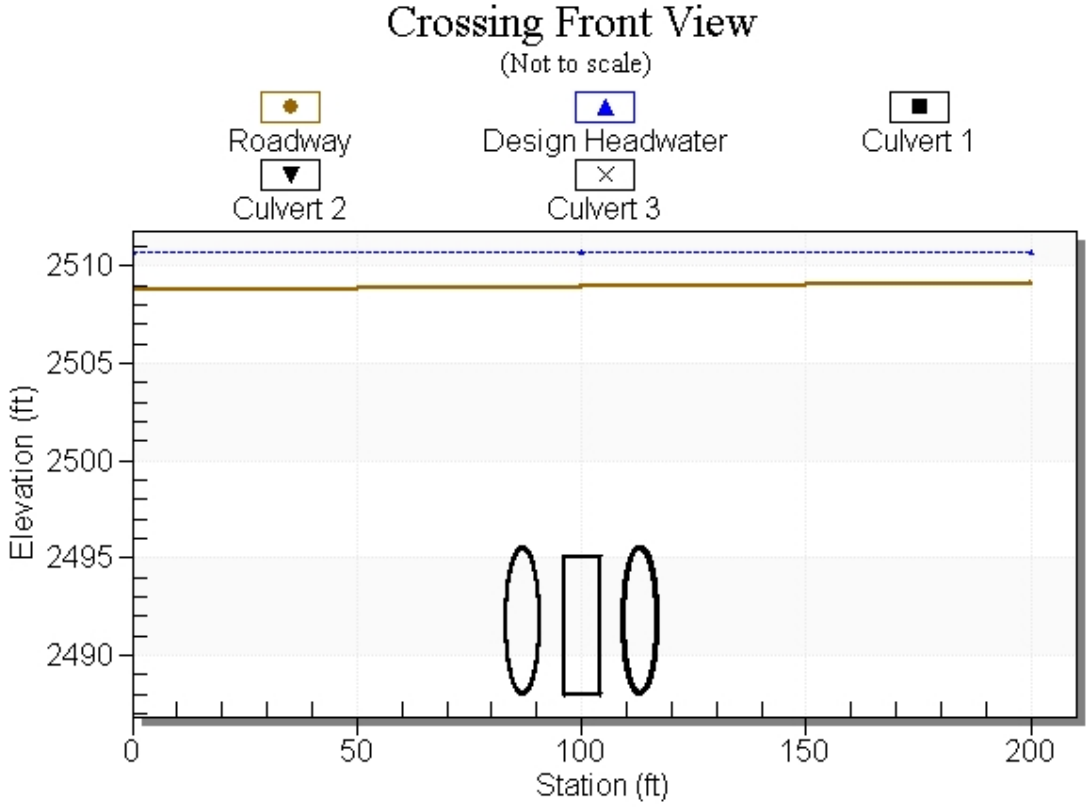


Table 5 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2540.00	767.13	2504.88	16.884	13.138	5-S2n	4.549	6.869	5.575	3.890	21.809
2896.00	875.31	2508.54	20.543	15.649	5-S2n	4.985	7.089	6.003	4.232	23.123
3252.00	905.29	2509.64	21.639	16.398	5-S2n	5.110	7.143	6.114	4.562	23.482
3608.00	917.47	2510.10	22.095	16.702	5-S2n	5.161	7.152	6.158	4.881	23.628
3964.00	927.56	2510.48	22.476	16.817	5-S2n	5.203	7.162	6.195	5.190	23.788
4189.00	933.25	2510.70	22.696	17.151	5-S2n	5.227	7.096	6.213	5.381	23.879
4676.00	943.92	2511.13	23.131	18.160	5-S1f	5.271	6.983	7.500	5.784	22.378
5032.00	951.05	2511.43	23.425	18.295	5-JS1f	5.301	6.931	7.500	6.071	22.548
5388.00	957.73	2511.70	23.703	18.749	5-JS1f	5.329	6.889	7.500	6.352	22.706
5744.00	964.08	2511.97	23.968	19.190	4-FFf	5.355	6.853	7.500	6.629	22.856
6100.00	970.14	2512.22	24.223	19.620	4-FFf	5.381	6.821	7.500	6.900	23.000

****

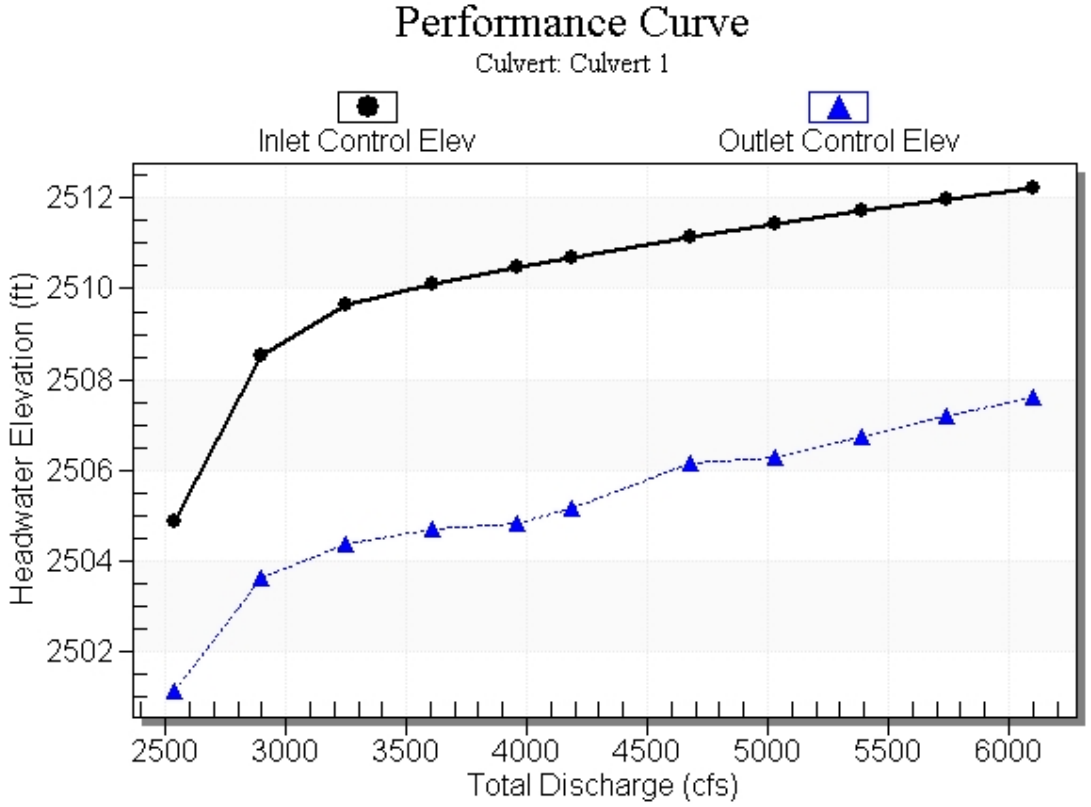
Straight Culvert

Inlet Elevation (invert): 2488.00 ft, Outlet Elevation (invert): 2486.00 ft

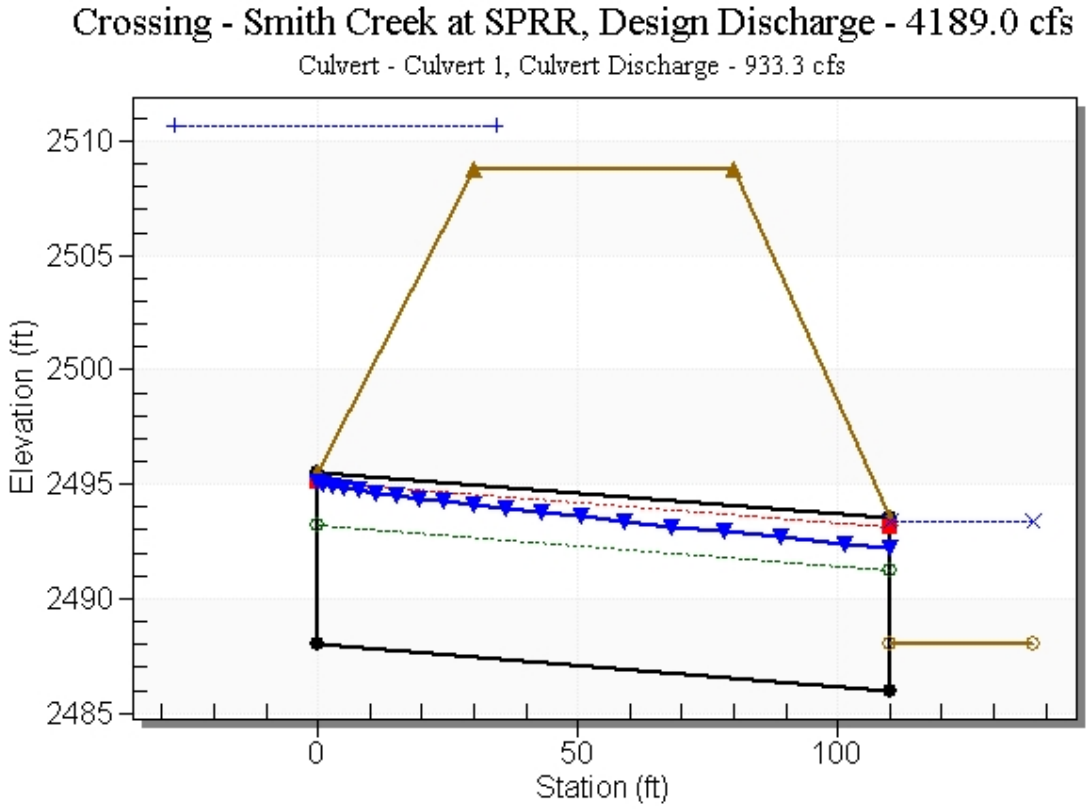
Culvert Length: 110.02 ft, Culvert Slope: 0.0182

****

Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2488.00 ft

Outlet Station: 110.00 ft

Outlet Elevation: 2486.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Circular

Barrel Diameter: 7.50 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge with Headwall

Inlet Depression: NONE

Table 6 - Culvert Summary Table: Culvert 2

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2540.00	1005.74	2504.88	16.884	13.013	5-S2n	4.542	7.000	5.793	3.890	21.702
2896.00	1145.38	2508.54	20.543	15.393	5-S2n	5.019	7.000	6.213	4.232	23.043
3252.00	1182.48	2509.64	21.639	16.077	5-S2n	5.144	7.000	6.304	4.562	23.448
3608.00	1197.25	2510.10	22.095	16.355	5-S2n	5.193	7.000	6.338	4.881	23.613
3964.00	1209.47	2510.48	22.477	16.777	5-S2n	5.234	7.000	6.365	5.190	23.752
4189.00	1216.40	2510.70	22.695	17.102	5-S2n	5.257	7.000	6.380	5.381	23.831
4676.00	1230.15	2511.13	23.131	17.771	4-FFf	5.303	7.000	7.000	5.784	21.967
5032.00	1239.32	2511.43	23.425	18.238	4-FFf	5.334	7.000	7.000	6.071	22.131
5388.00	1247.92	2511.70	23.703	18.689	4-FFf	5.363	7.000	7.000	6.352	22.284
5744.00	1256.09	2511.97	23.968	19.127	4-FFf	5.390	7.000	7.000	6.629	22.430
6100.00	1263.89	2512.22	24.223	19.554	4-FFf	5.416	7.000	7.000	6.900	22.569

****

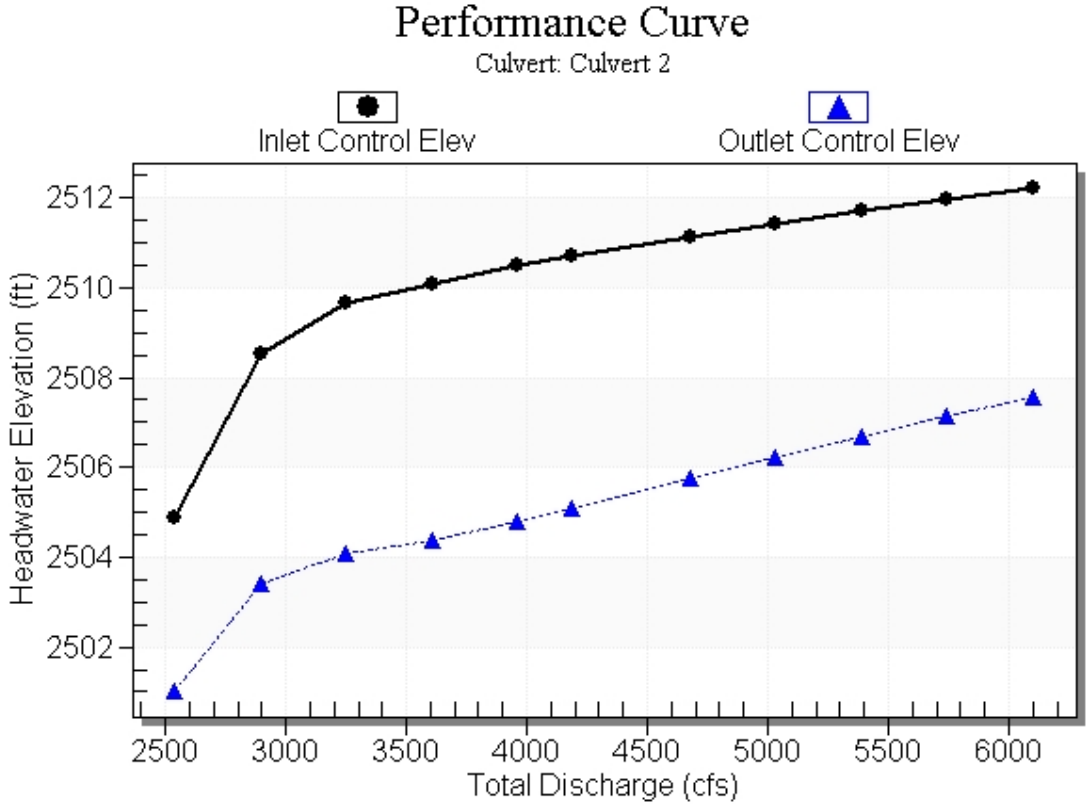
Straight Culvert

Inlet Elevation (invert): 2488.00 ft, Outlet Elevation (invert): 2486.00 ft

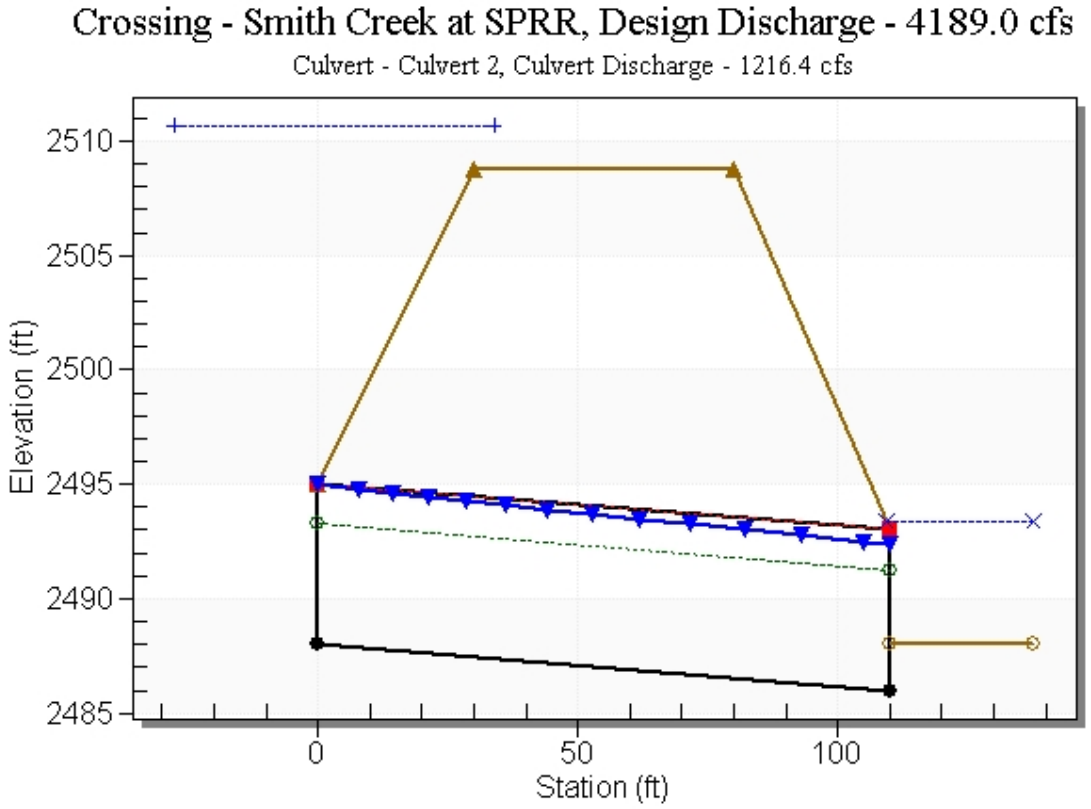
Culvert Length: 110.02 ft, Culvert Slope: 0.0182

****

Culvert Performance Curve Plot: Culvert 2



Water Surface Profile Plot for Culvert: Culvert 2



Site Data - Culvert 2

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2488.00 ft

Outlet Station: 110.00 ft

Outlet Elevation: 2486.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 2

Barrel Shape: Concrete Box

Barrel Span: 8.00 ft

Barrel Rise: 7.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge (30-75º flare) Wingwall

Inlet Depression: NONE

Table 7 - Culvert Summary Table: Culvert 3

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2540.00	767.13	2504.88	16.884	13.138	5-S2n	4.549	6.869	5.575	3.890	21.809
2896.00	875.31	2508.54	20.543	15.649	5-S2n	4.985	7.089	6.003	4.232	23.123
3252.00	905.29	2509.64	21.639	16.398	5-S2n	5.110	7.143	6.114	4.562	23.482
3608.00	917.47	2510.10	22.095	16.702	5-S2n	5.161	7.152	6.158	4.881	23.628
3964.00	927.56	2510.48	22.476	16.817	5-S2n	5.203	7.162	6.195	5.190	23.788
4189.00	933.25	2510.70	22.696	17.151	5-S2n	5.227	7.096	6.213	5.381	23.879
4676.00	943.92	2511.13	23.131	18.160	5-S1f	5.271	6.983	7.500	5.784	22.378
5032.00	951.05	2511.43	23.425	18.295	5-JS1f	5.301	6.931	7.500	6.071	22.548
5388.00	957.73	2511.70	23.703	18.749	5-JS1f	5.329	6.889	7.500	6.352	22.706
5744.00	964.08	2511.97	23.968	19.190	4-FFf	5.355	6.853	7.500	6.629	22.856
6100.00	970.14	2512.22	24.223	19.620	4-FFf	5.381	6.821	7.500	6.900	23.000

****

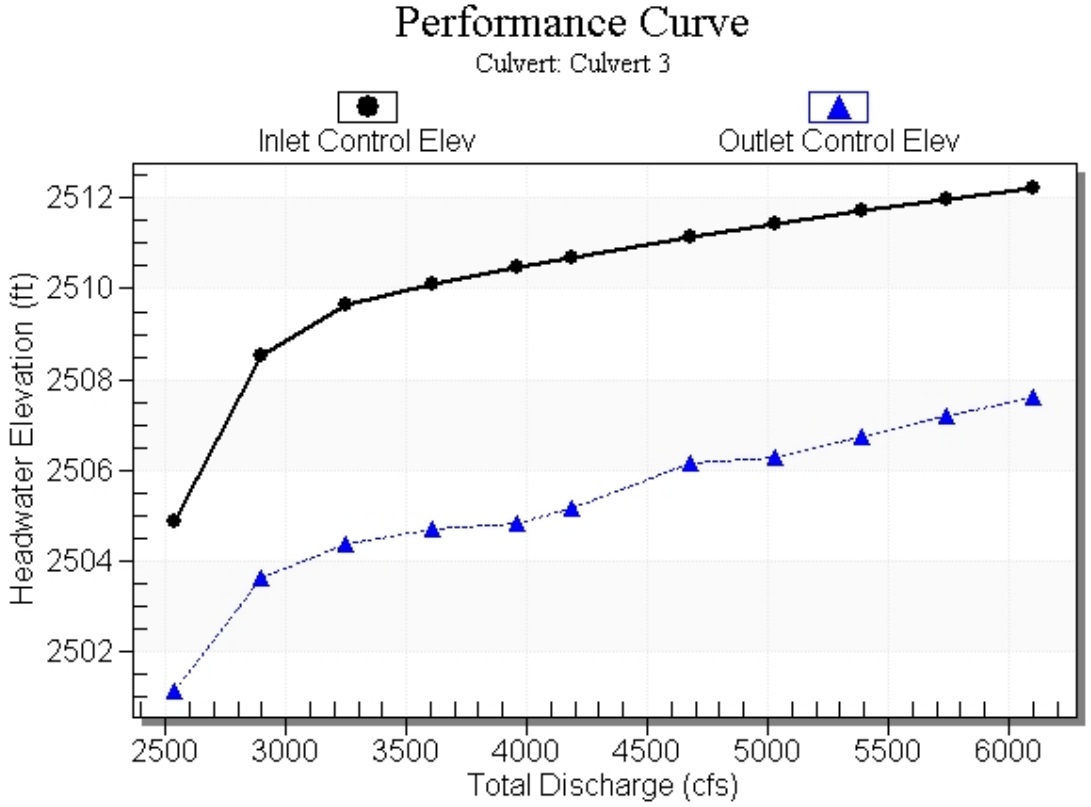
Straight Culvert

Inlet Elevation (invert): 2488.00 ft, Outlet Elevation (invert): 2486.00 ft

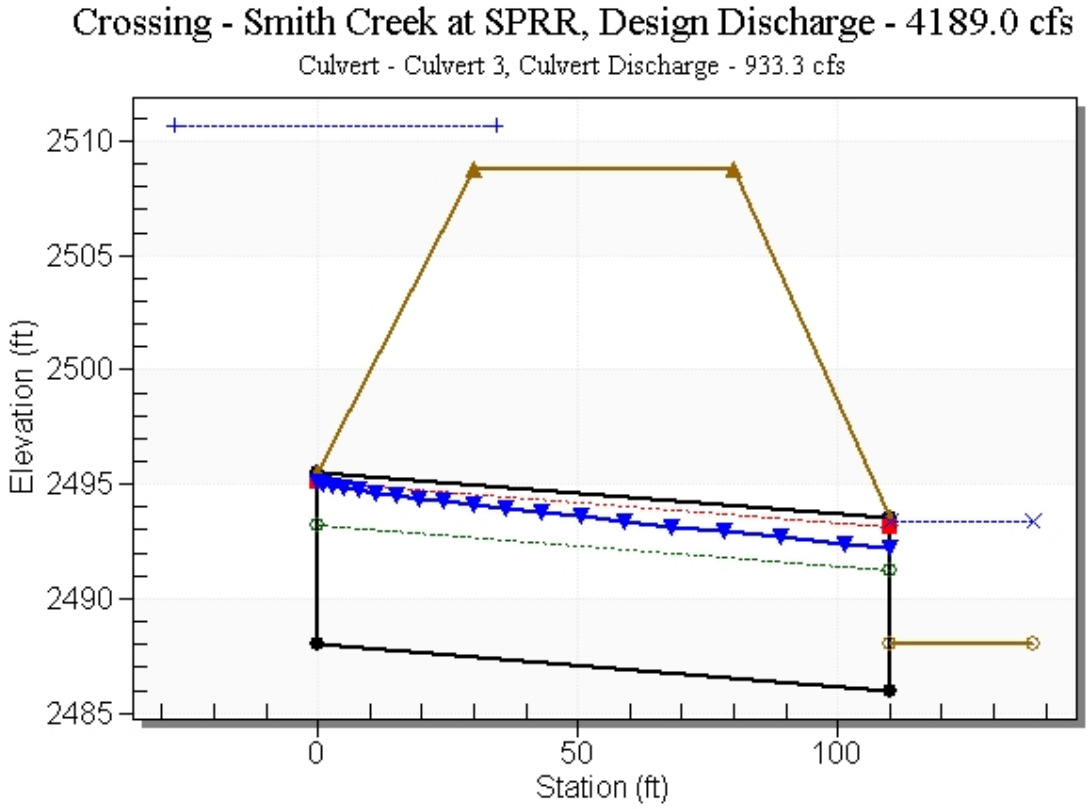
Culvert Length: 110.02 ft, Culvert Slope: 0.0182

****

Culvert Performance Curve Plot: Culvert 3



Water Surface Profile Plot for Culvert: Culvert 3



Site Data - Culvert 3

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2488.00 ft

Outlet Station: 110.00 ft

Outlet Elevation: 2486.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 3

Barrel Shape: Circular

Barrel Diameter: 7.50 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge with Headwall

Inlet Depression: NONE

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
2540.00	2491.89	3.89	16.32	2.43	1.46
2896.00	2492.23	4.23	17.11	2.64	1.47
3252.00	2492.56	4.56	17.82	2.85	1.47
3608.00	2492.88	4.88	18.48	3.05	1.47
3964.00	2493.19	5.19	19.10	3.24	1.48
4189.00	2493.38	5.38	19.46	3.36	1.48
4676.00	2493.78	5.78	20.21	3.61	1.48
5032.00	2494.07	6.07	20.72	3.79	1.48
5388.00	2494.35	6.35	21.20	3.96	1.48
5744.00	2494.63	6.63	21.66	4.14	1.48
6100.00	2494.90	6.90	22.10	4.31	1.48

Table 8 - Downstream Channel Rating Curve (Crossing: Smith Creek at SPRR)

Tailwater Channel Data - Smith Creek at SPRR

Tailwater Channel Option: Rectangular Channel

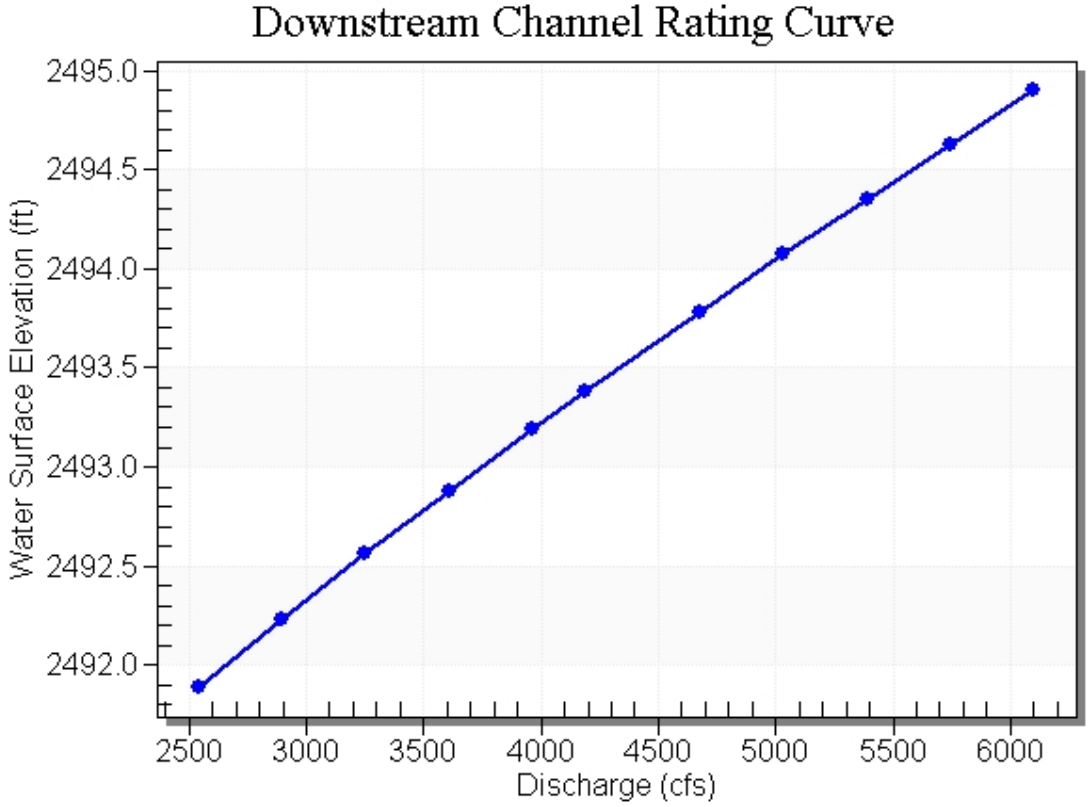
Bottom Width: 40.00 ft

Channel Slope: 0.0100

Channel Manning's n: 0.0200

Channel Invert Elevation: 2488.00 ft

Tailwater Rating Curve Plot for Crossing: Smith Creek at SPRR



Roadway Data for Crossing: Smith Creek at SPRR

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	0.00	2508.80
1	100.00	2509.00
2	200.00	2509.20

Coefficient of Discharge: 2.5000

Roadway Top Width: 50.00 ft

HighlandSprings Line J at I-10 Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 0 cfs

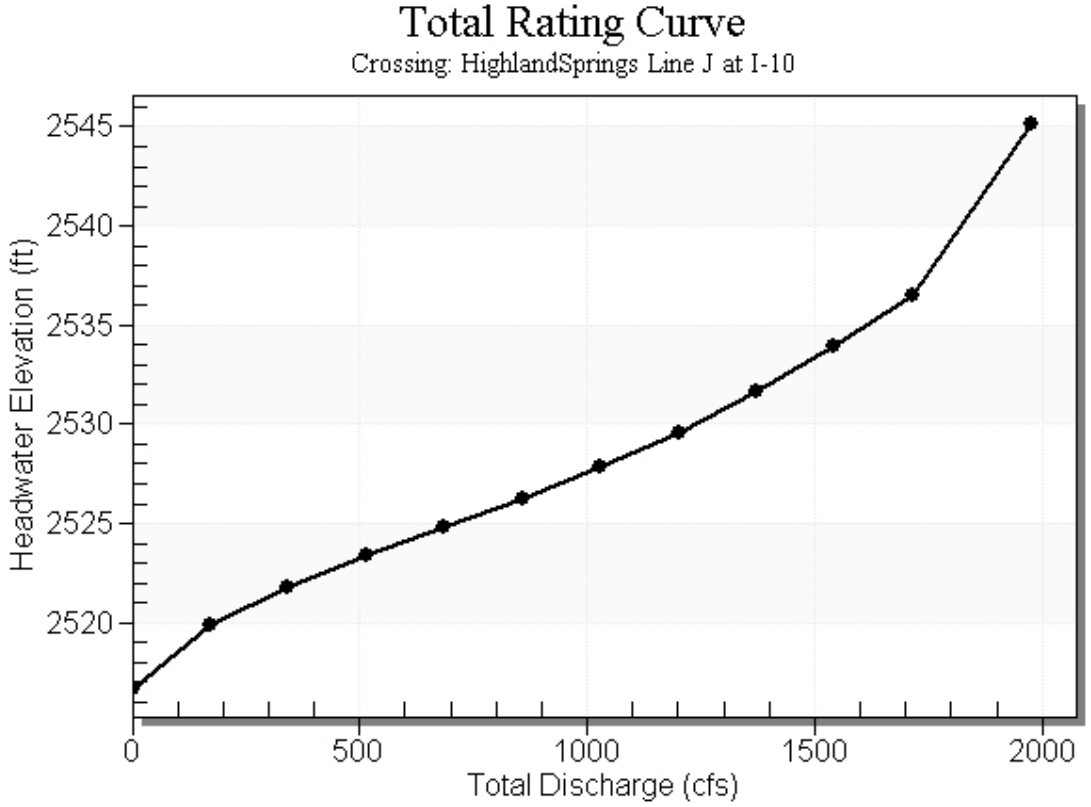
Design Flow: 1715 cfs

Maximum Flow: 1715 cfs

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
2516.70	0.00	0.00	0.00	1
2519.89	171.50	171.50	0.00	1
2521.79	343.00	343.00	0.00	1
2523.39	514.50	514.50	0.00	1
2524.84	686.00	686.00	0.00	1
2526.29	857.50	857.50	0.00	1
2527.85	1029.00	1029.00	0.00	1
2529.61	1200.50	1200.50	0.00	1
2531.61	1372.00	1372.00	0.00	1
2533.91	1543.50	1543.50	0.00	1
2536.50	1715.00	1715.00	0.00	1
2541.00	1974.49	1974.49	0.00	Overtopping

Table 9 - Summary of Culvert Flows at Crossing: HighlandSprings Line J at I-10

Rating Curve Plot for Crossing: HighlandSprings Line J at I-10



Crossing Front View (Roadway Profile): HighlandSprings Line J at I-10

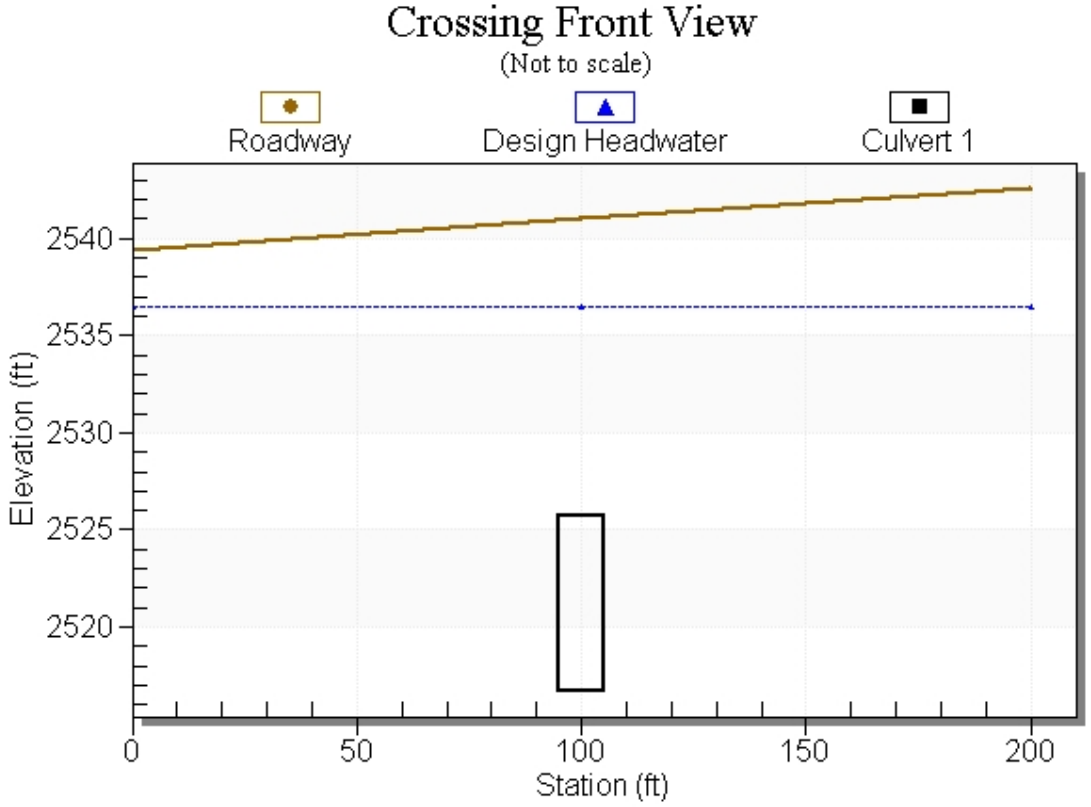


Table 10 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
0.00	0.00	2516.70	0.000	0.000	0-NF	0.000	0.000	0.000	0.000	0.000
171.50	171.50	2519.89	3.192	0.191	1-S2n	1.489	2.090	1.536	0.874	11.165
343.00	343.00	2521.79	5.088	1.720	1-S2n	2.399	3.318	2.489	1.340	13.780
514.50	514.50	2523.39	6.691	3.252	1-S2n	3.187	4.348	3.343	1.725	15.392
686.00	686.00	2524.84	8.142	4.874	1-S2n	3.920	5.267	4.138	2.067	16.577
857.50	857.50	2526.29	9.590	6.623	5-S2n	4.620	6.112	4.890	2.380	17.535
1029.00	1029.00	2527.85	11.150	9.566	5-S2n	5.297	6.902	5.609	2.673	18.344
1200.50	1200.50	2529.61	12.905	11.245	5-S2n	5.958	7.649	6.303	2.951	19.045
1372.00	1372.00	2531.61	14.913	13.108	5-S2n	6.606	8.361	6.977	3.216	19.664
1543.50	1543.50	2533.91	17.206	15.134	5-S2n	7.243	9.000	7.633	3.471	20.221
1715.00	1715.00	2536.50	19.801	17.042	5-S2n	7.871	9.000	8.243	3.717	20.806

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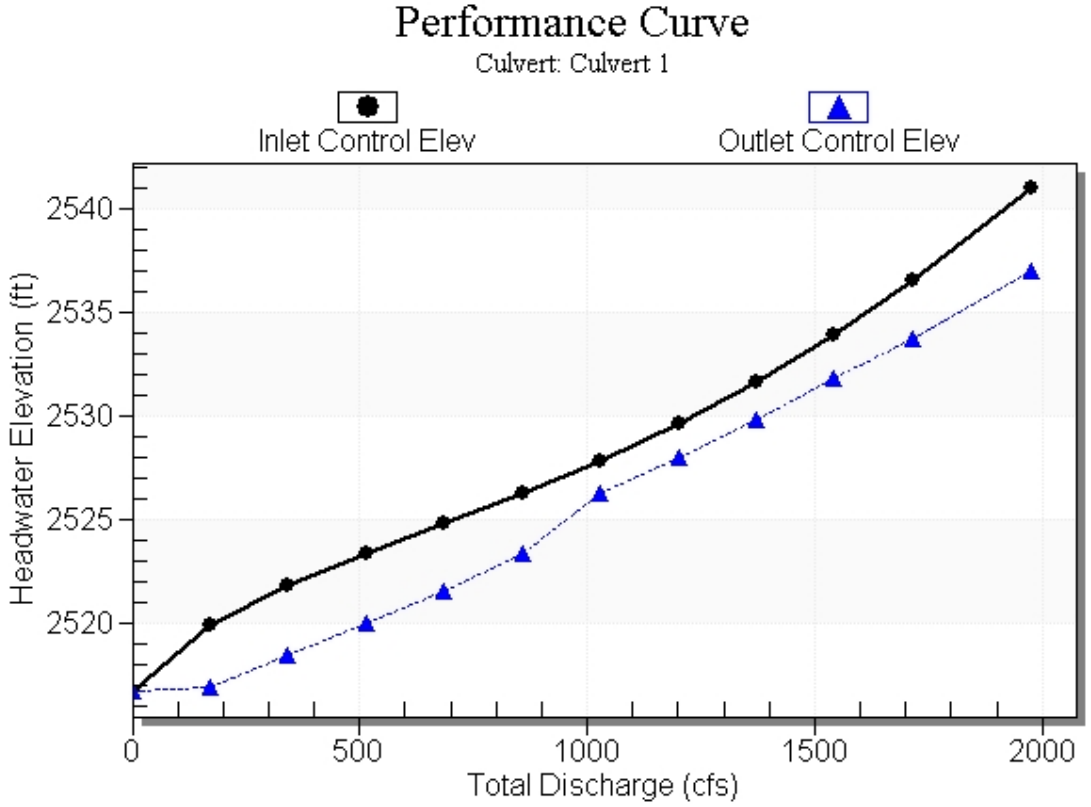
Straight Culvert

Inlet Elevation (invert): 2516.70 ft, Outlet Elevation (invert): 2514.70 ft

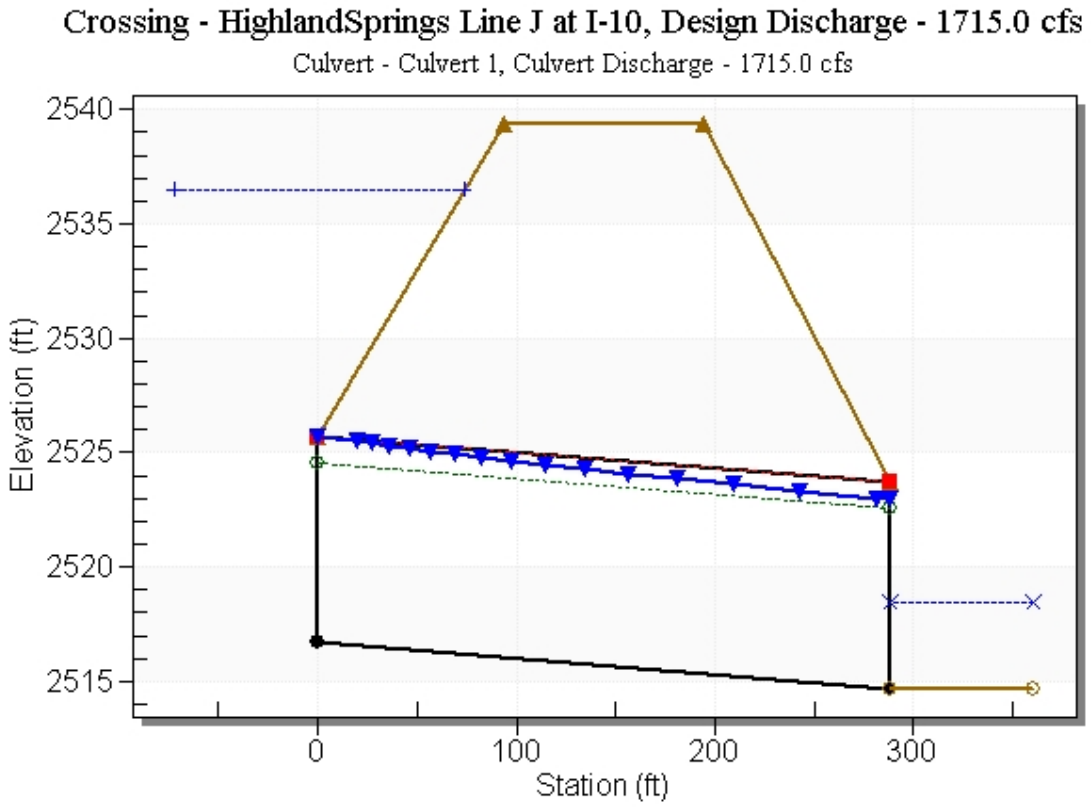
Culvert Length: 288.01 ft, Culvert Slope: 0.0069

****

Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2516.70 ft

Outlet Station: 288.00 ft

Outlet Elevation: 2514.70 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Concrete Box

Barrel Span: 10.00 ft

Barrel Rise: 9.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge (30-75º flare) Wingwall

Inlet Depression: NONE

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
0.00	2514.70	0.00	0.00	0.00	0.00
171.50	2515.57	0.87	6.54	0.55	1.23
343.00	2516.04	1.34	8.53	0.84	1.30
514.50	2516.43	1.73	9.94	1.08	1.33
686.00	2516.77	2.07	11.06	1.29	1.36
857.50	2517.08	2.38	12.01	1.49	1.37
1029.00	2517.37	2.67	12.83	1.67	1.38
1200.50	2517.65	2.95	13.56	1.84	1.39
1372.00	2517.92	3.22	14.22	2.01	1.40
1543.50	2518.17	3.47	14.82	2.17	1.40
1715.00	2518.42	3.72	15.38	2.32	1.41

Table 11 - Downstream Channel Rating Curve (Crossing: HighlandSprings Line J at I-10)

Tailwater Channel Data - HighlandSprings Line J at I-10

Tailwater Channel Option: Rectangular Channel

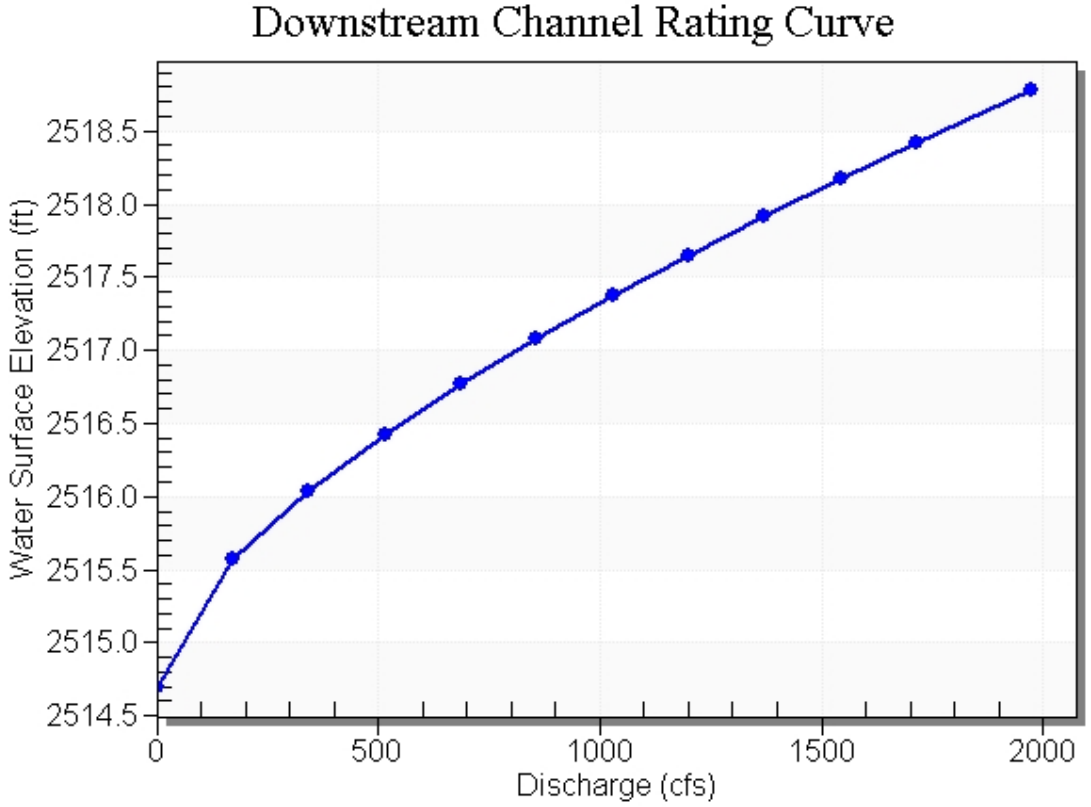
Bottom Width: 30.00 ft

Channel Slope: 0.0100

Channel Manning's n: 0.0200

Channel Invert Elevation: 2514.70 ft

Tailwater Rating Curve Plot for Crossing: HighlandSprings Line J at I-10



Roadway Data for Crossing: HighlandSprings Line J at I-10

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	0.00	2539.40
1	100.00	2541.00
2	200.00	2542.60

Roadway Surface: Paved

Roadway Top Width: 100.00 ft

Highland Springs Line J at SPRR Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 0 cfs

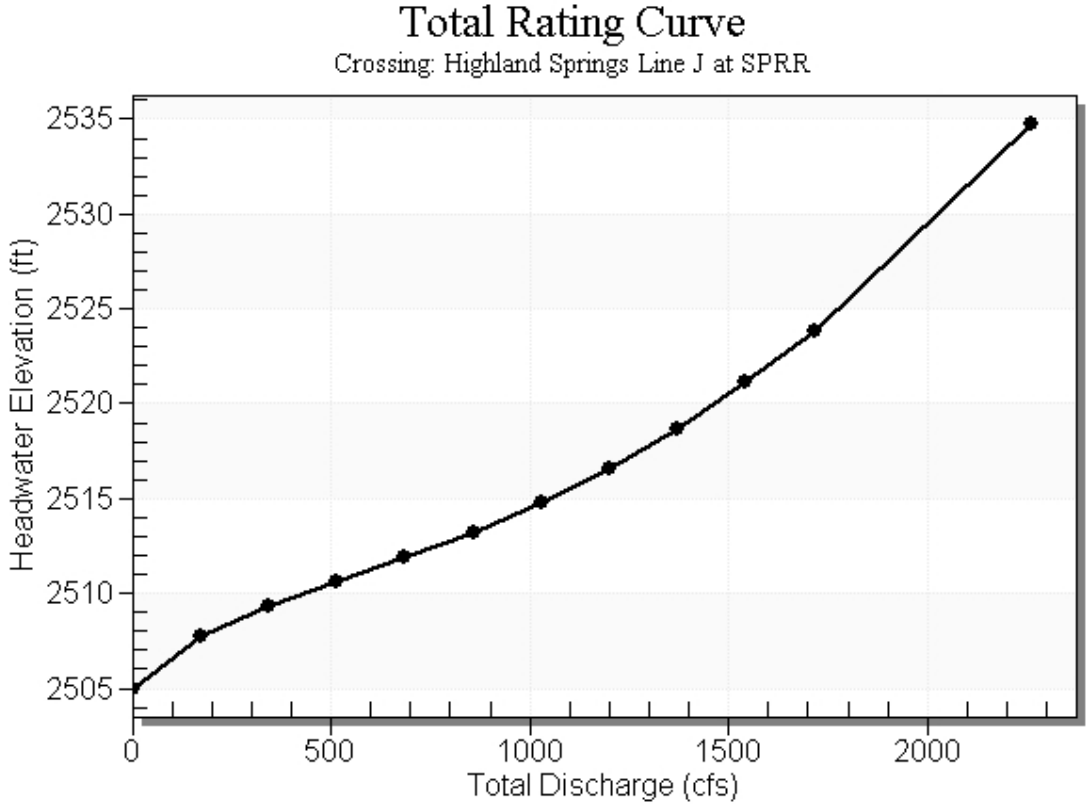
Design Flow: 1715 cfs

Maximum Flow: 1715 cfs

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Culvert 2 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
2505.00	0.00	0.00	0.00	0.00	0
2507.77	171.50	60.57	110.87	0.00	5
2509.32	343.00	128.21	214.72	0.00	4
2510.63	514.50	196.64	317.86	0.00	4
2511.87	686.00	263.50	422.50	0.00	4
2513.21	857.50	327.14	530.39	0.00	4
2514.75	1029.00	388.65	640.38	0.00	4
2516.56	1200.50	449.50	751.02	0.00	4
2518.68	1372.00	510.45	861.55	0.00	5
2521.10	1543.50	571.90	971.60	0.00	5
2523.83	1715.00	633.98	1081.03	0.00	5
2535.00	2259.73	832.04	1427.69	0.00	Overtopping

Table 12 - Summary of Culvert Flows at Crossing: Highland Springs Line J at SPRR

Rating Curve Plot for Crossing: Highland Springs Line J at SPRR



Crossing Front View (Roadway Profile): Highland Springs Line J at SPRR

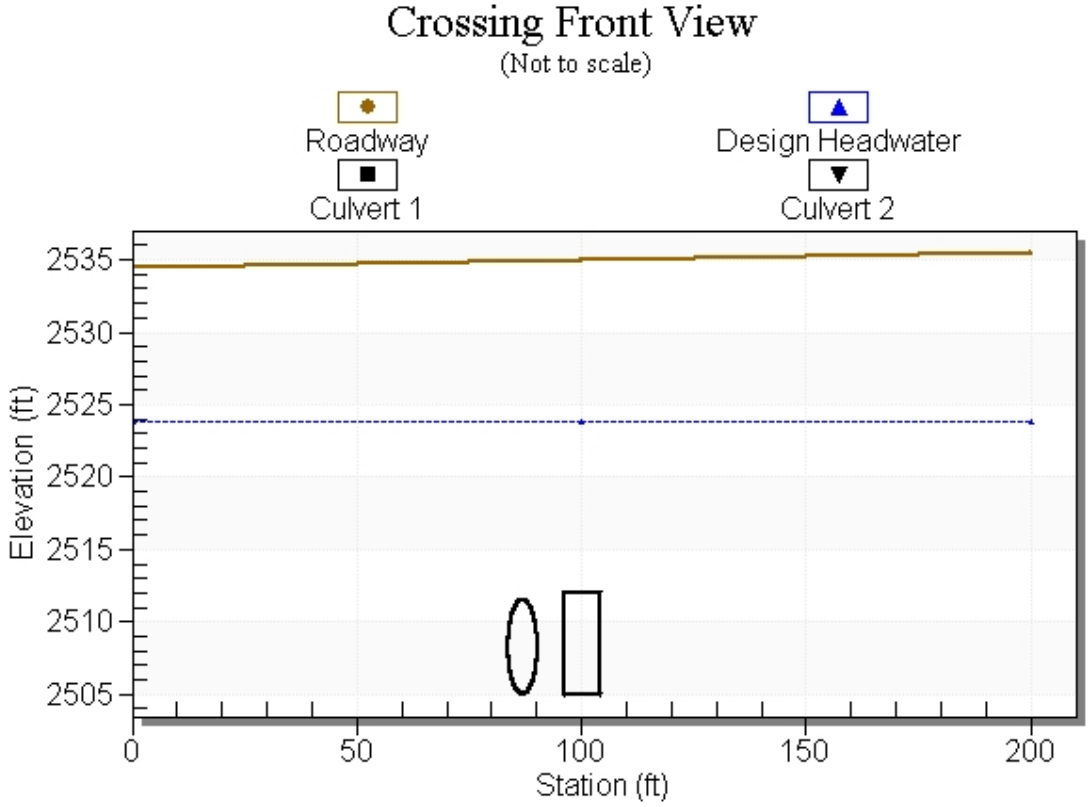


Table 13 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
0.00	0.00	2505.00	0.000	0.000	0-NF	0.000	0.000	0.000	0.000	0.000
171.50	60.57	2507.77	2.766	1.113	1-S2n	1.488	2.022	1.572	0.729	9.708
343.00	128.21	2509.32	4.325	2.401	1-S2n	2.213	2.990	2.376	1.114	11.683
514.50	196.64	2510.63	5.633	3.703	1-S2n	2.797	3.737	3.032	1.429	12.958
686.00	263.50	2511.87	6.875	5.086	5-S2n	3.314	4.350	3.602	1.707	13.964
857.50	327.14	2513.21	8.212	6.529	5-S2n	3.791	4.853	4.106	1.960	14.812
1029.00	388.65	2514.75	9.752	8.660	5-S2n	4.258	5.266	4.571	2.196	15.602
1200.50	449.50	2516.56	11.562	10.103	5-S2n	4.748	5.601	5.026	2.419	16.360
1372.00	510.45	2518.68	13.676	11.697	5-S2n	5.354	5.863	5.513	2.631	17.057
1543.50	571.90	2521.10	16.102	13.399	7-M2c	6.500	6.053	6.053	2.833	17.767
1715.00	633.98	2523.83	18.831	15.412	7-M2c	6.500	6.193	6.193	3.028	19.439

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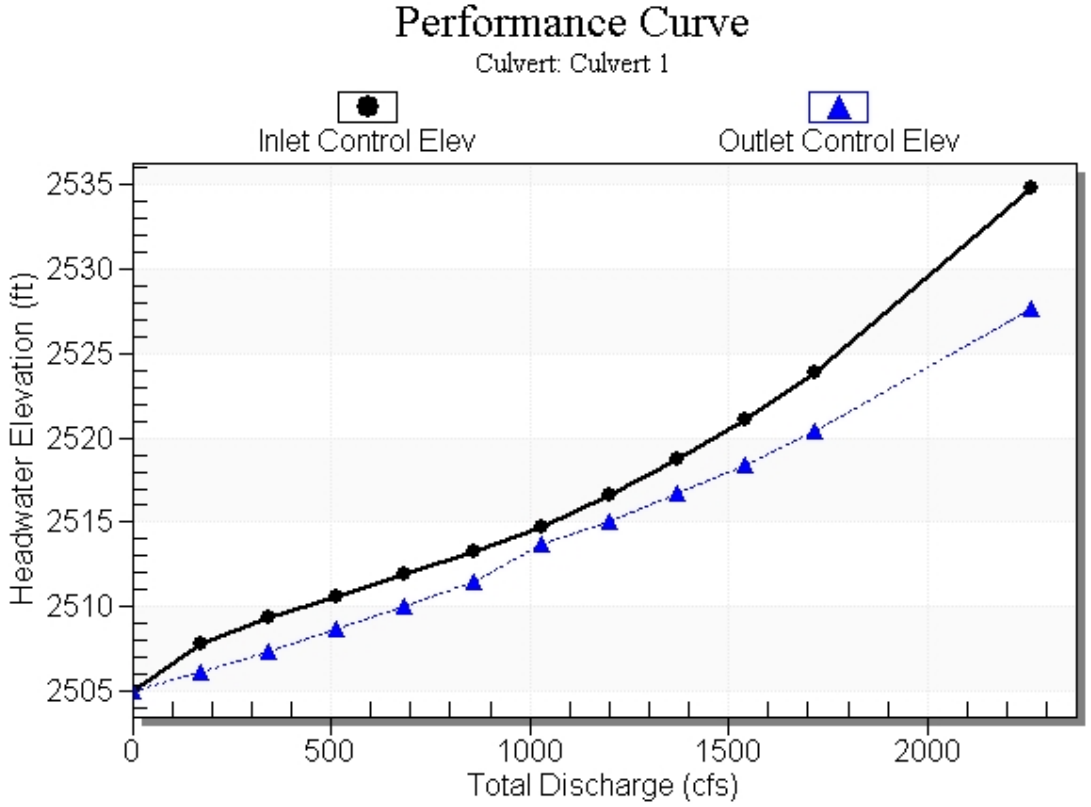
Straight Culvert

Inlet Elevation (invert): 2505.00 ft, Outlet Elevation (invert): 2504.00 ft

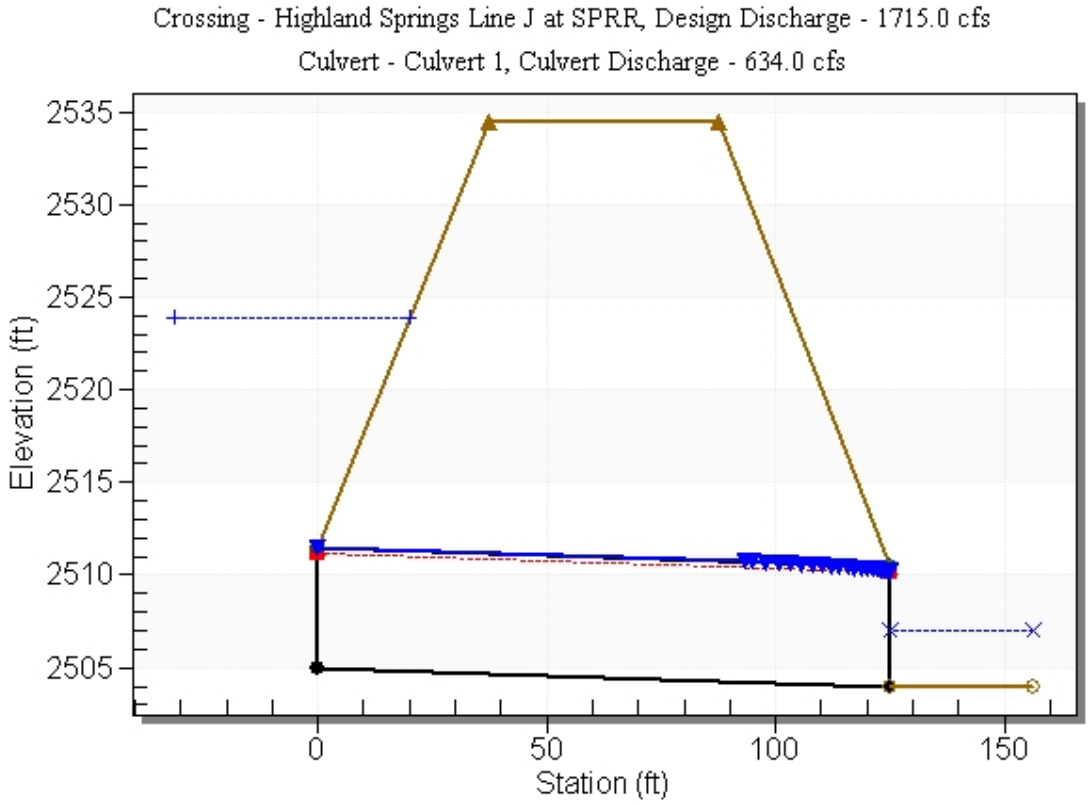
Culvert Length: 125.00 ft, Culvert Slope: 0.0080

****

Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2505.00 ft

Outlet Station: 125.00 ft

Outlet Elevation: 2504.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Circular

Barrel Diameter: 6.50 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge with Headwall

Inlet Depression: NONE

Table 14 - Culvert Summary Table: Culvert 2

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
0.00	0.00	2505.00	0.000	0.000	0-NF	0.000	0.000	0.000	0.000	0.000
171.50	110.87	2507.77	2.766	0.913	1-S2n	1.276	1.814	1.343	0.729	10.320
343.00	214.72	2509.32	4.325	2.189	1-S2n	1.994	2.818	2.160	1.114	12.423
514.50	317.86	2510.63	5.633	3.474	1-S2n	2.629	3.660	2.885	1.429	13.771
686.00	422.50	2511.87	6.874	4.863	1-S2n	3.230	4.425	3.563	1.707	14.821
857.50	530.39	2513.21	8.212	6.415	5-S2n	3.821	5.149	4.222	1.960	15.704
1029.00	640.38	2514.75	9.753	8.723	5-S2n	4.403	5.838	4.860	2.196	16.472
1200.50	751.02	2516.56	11.562	10.291	5-S2n	4.974	6.493	5.475	2.419	17.146
1372.00	861.55	2518.68	13.676	11.980	5-S2n	5.533	7.000	6.067	2.631	17.750
1543.50	971.60	2521.10	16.102	13.606	5-S2n	6.081	7.000	6.572	2.833	18.480
1715.00	1081.03	2523.83	18.831	15.415	6-FFc	7.000	7.000	7.000	3.028	19.304

****

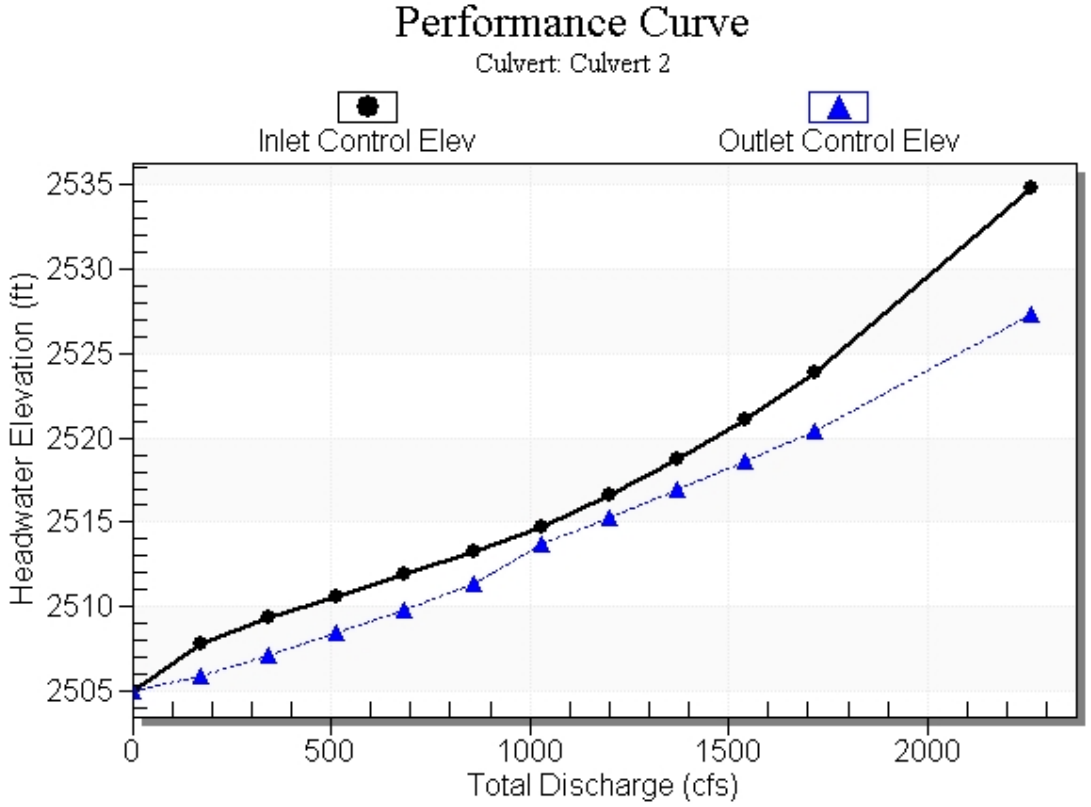
Straight Culvert

Inlet Elevation (invert): 2505.00 ft, Outlet Elevation (invert): 2504.00 ft

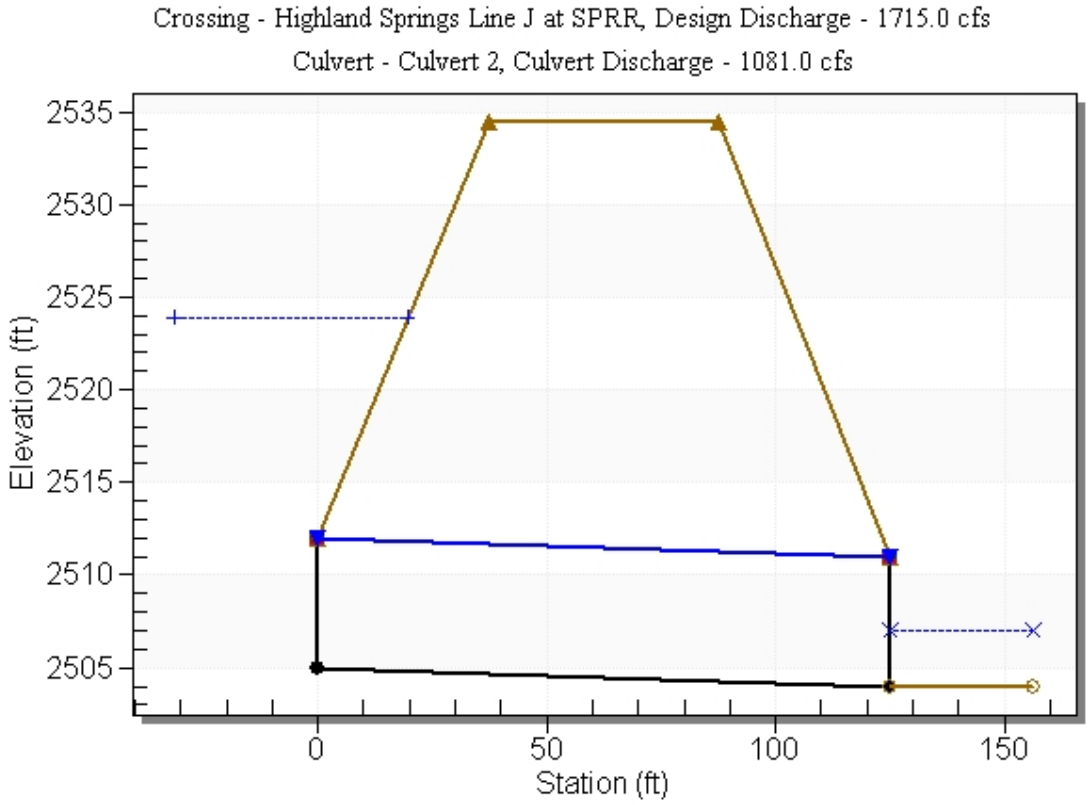
Culvert Length: 125.00 ft, Culvert Slope: 0.0080

****

Culvert Performance Curve Plot: Culvert 2



Water Surface Profile Plot for Culvert: Culvert 2



Site Data - Culvert 2

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2505.00 ft

Outlet Station: 125.00 ft

Outlet Elevation: 2504.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 2

Barrel Shape: Concrete Box

Barrel Span: 8.00 ft

Barrel Rise: 7.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge (30-75º flare) Wingwall

Inlet Depression: NONE

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
0.00	2504.00	0.00	0.00	0.00	0.00
171.50	2504.73	0.73	5.88	0.46	1.21
343.00	2505.11	1.11	7.70	0.69	1.29
514.50	2505.43	1.43	9.00	0.89	1.33
686.00	2505.71	1.71	10.05	1.07	1.36
857.50	2505.96	1.96	10.93	1.22	1.38
1029.00	2506.20	2.20	11.71	1.37	1.39
1200.50	2506.42	2.42	12.41	1.51	1.41
1372.00	2506.63	2.63	13.04	1.64	1.42
1543.50	2506.83	2.83	13.62	1.77	1.43
1715.00	2507.03	3.03	14.16	1.89	1.43

Table 15 - Downstream Channel Rating Curve (Crossing: Highland Springs Line J at SPRR)

Tailwater Channel Data - Highland Springs Line J at SPRR

Tailwater Channel Option: Rectangular Channel

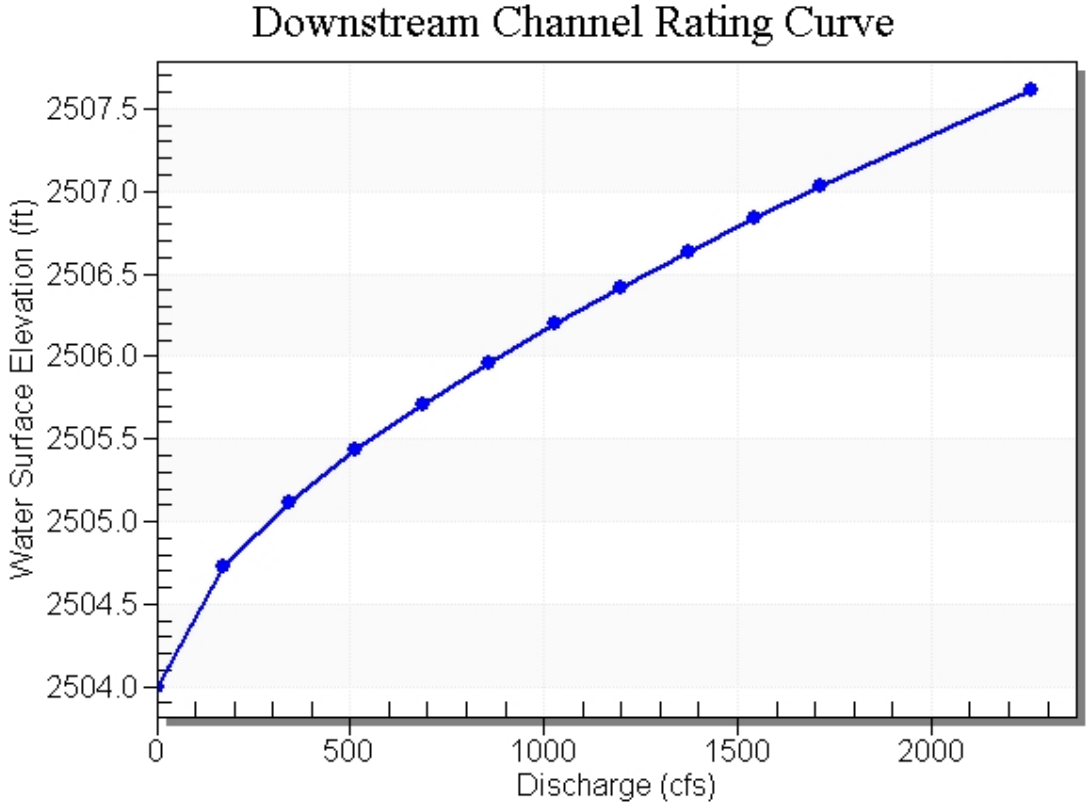
Bottom Width: 40.00 ft

Channel Slope: 0.0100

Channel Manning's n: 0.0200

Channel Invert Elevation: 2504.00 ft

Tailwater Rating Curve Plot for Crossing: Highland Springs Line J at SPRR



Roadway Data for Crossing: Highland Springs Line J at SPRR

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	0.00	2534.50
1	100.00	2535.00
2	200.00	2535.50

Coefficient of Discharge: 2.5000

Roadway Top Width: 50.00 ft

Pershing Channel at I-10 Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 2431 cfs

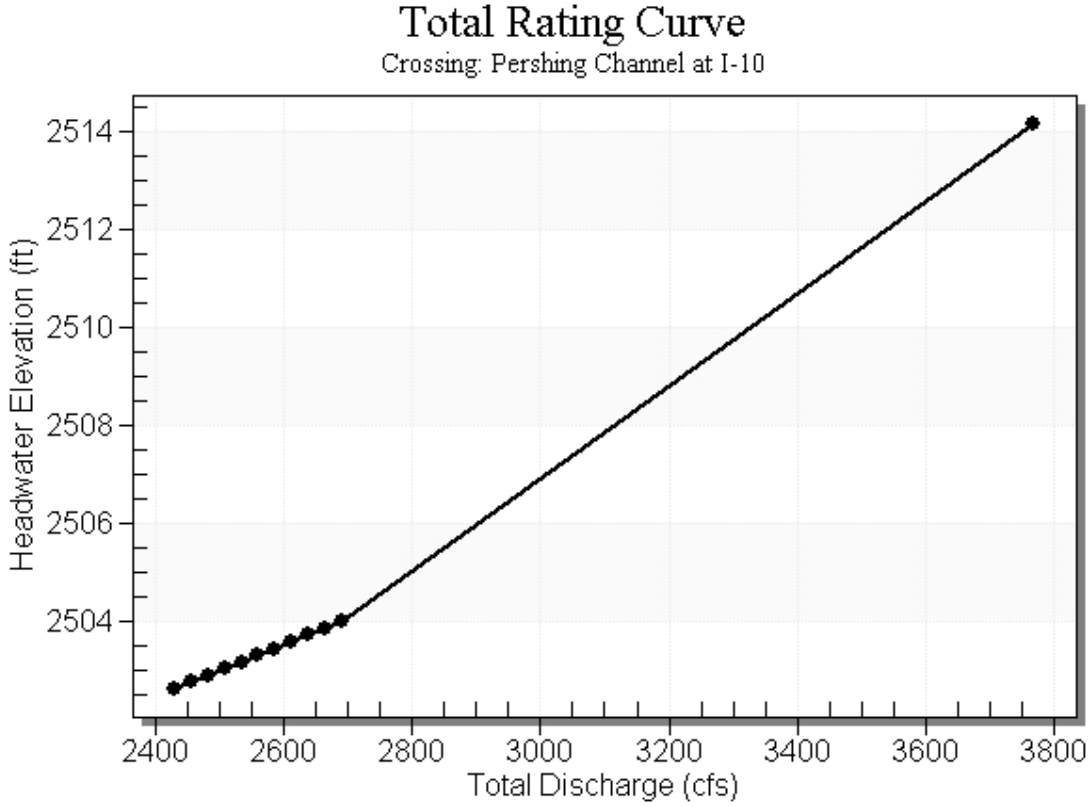
Design Flow: 2431 cfs

Maximum Flow: 2690 cfs

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
2502.62	2431.00	2431.00	0.00	1
2502.75	2456.90	2456.90	0.00	1
2502.88	2482.80	2482.80	0.00	1
2503.02	2508.70	2508.70	0.00	1
2503.15	2534.60	2534.60	0.00	1
2503.29	2560.50	2560.50	0.00	1
2503.42	2586.40	2586.40	0.00	1
2503.56	2612.30	2612.30	0.00	1
2503.70	2638.20	2638.20	0.00	1
2503.84	2664.10	2664.10	0.00	1
2503.98	2690.00	2690.00	0.00	1
2511.00	3766.10	3766.10	0.00	Overtopping

Table 16 - Summary of Culvert Flows at Crossing: Pershing Channel at I-10

Rating Curve Plot for Crossing: Pershing Channel at I-10



Crossing Front View (Roadway Profile): Pershing Channel at I-10

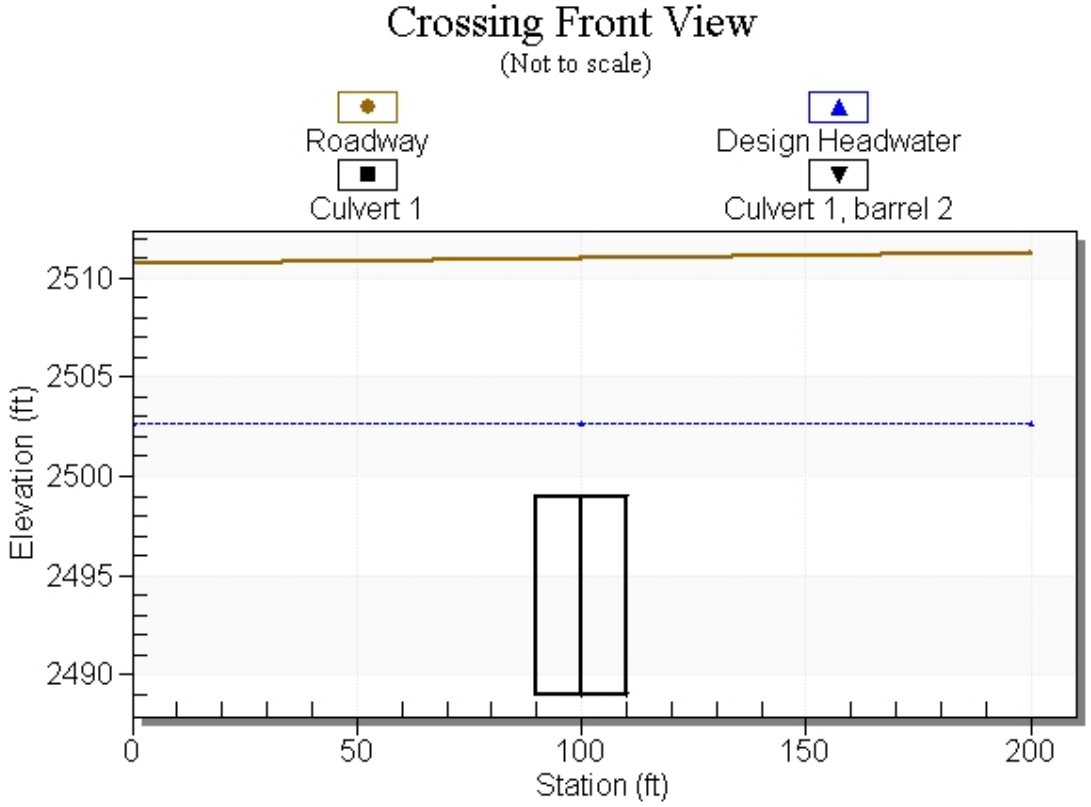


Table 17 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2431.00	2431.00	2502.62	13.620	7.184	5-S2n	4.111	7.713	4.832	4.674	25.156
2456.90	2456.90	2502.75	13.751	7.305	5-S2n	4.143	7.768	4.872	4.707	25.213
2482.80	2482.80	2502.88	13.884	7.425	5-S2n	4.176	7.822	4.913	4.740	25.266
2508.70	2508.70	2503.02	14.017	7.547	5-S2n	4.208	7.876	4.954	4.773	25.319
2534.60	2534.60	2503.15	14.151	7.670	5-S2n	4.240	7.931	4.995	4.806	25.373
2560.50	2560.50	2503.29	14.286	7.794	5-S2n	4.272	7.984	5.035	4.838	25.428
2586.40	2586.40	2503.42	14.423	7.918	5-S2n	4.304	8.038	5.076	4.871	25.479
2612.30	2612.30	2503.56	14.560	8.044	5-S2n	4.337	8.092	5.116	4.903	25.530
2638.20	2638.20	2503.70	14.699	8.170	5-S2n	4.369	8.145	5.156	4.936	25.582
2664.10	2664.10	2503.84	14.838	8.297	5-S2n	4.401	8.198	5.196	4.968	25.635
2690.00	2690.00	2503.98	14.979	8.425	5-S2n	4.433	8.251	5.237	5.000	25.684

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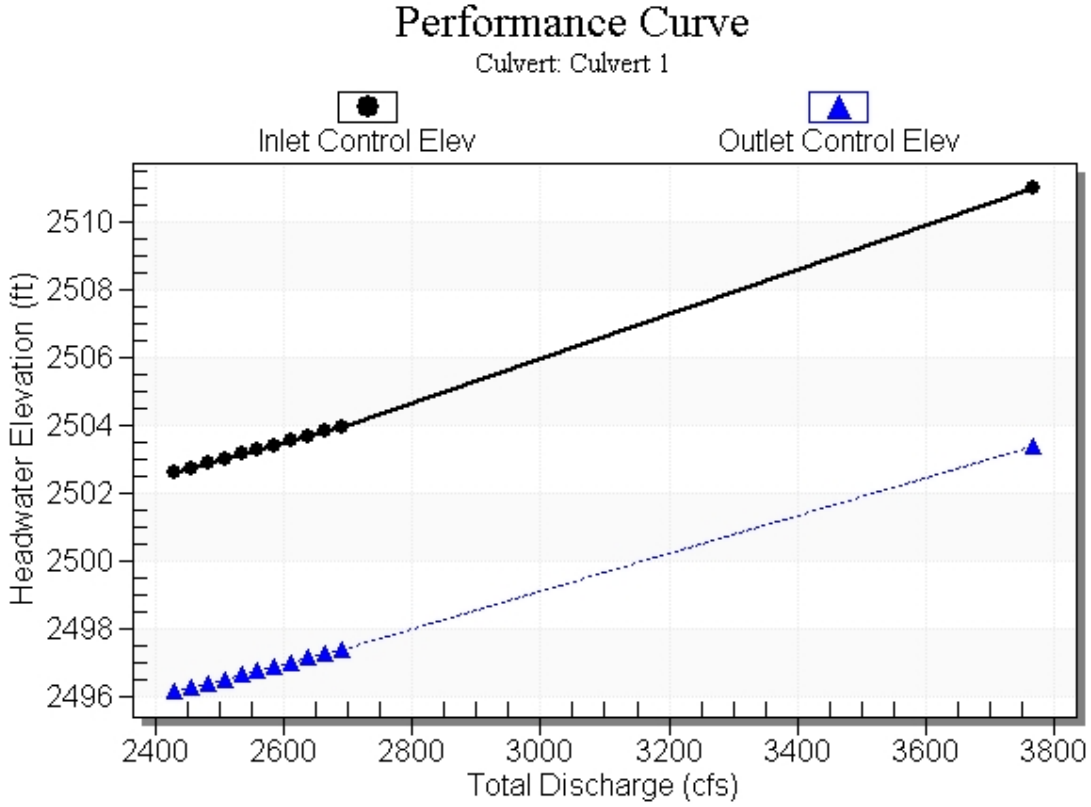
Straight Culvert

Inlet Elevation (invert): 2489.00 ft, Outlet Elevation (invert): 2483.00 ft

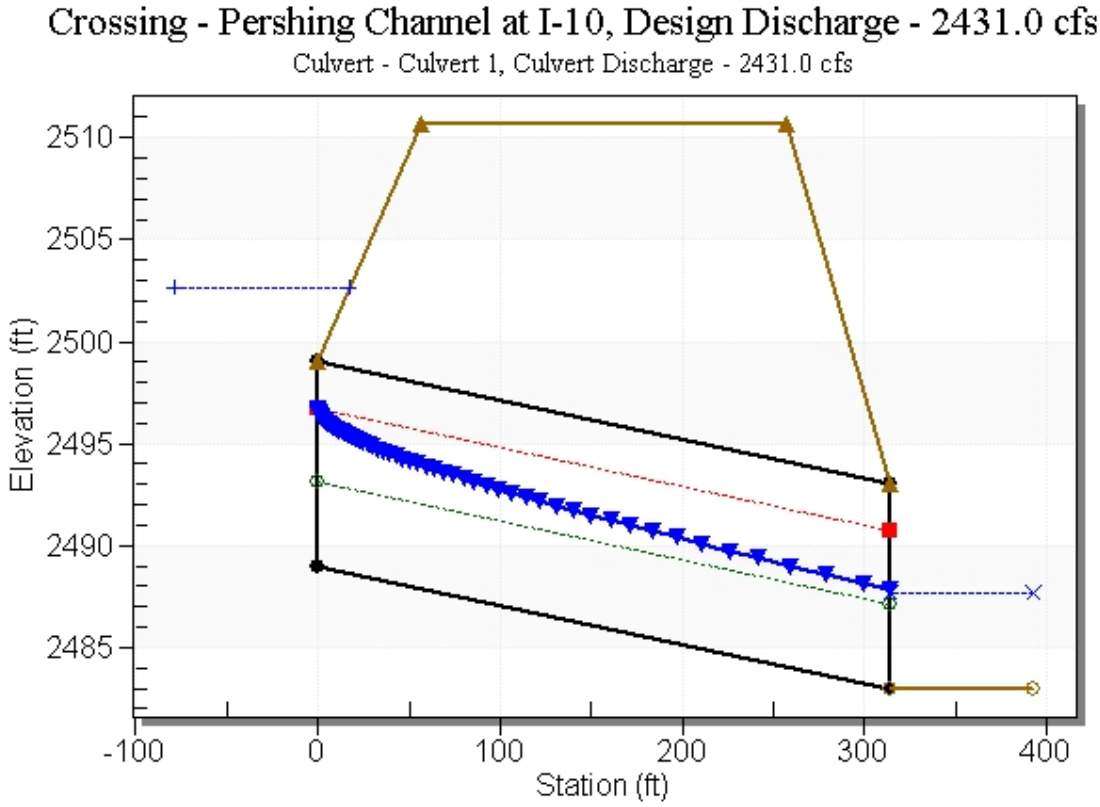
Culvert Length: 314.06 ft, Culvert Slope: 0.0191

****

Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2489.00 ft

Outlet Station: 314.00 ft

Outlet Elevation: 2483.00 ft

Number of Barrels: 2

Culvert Data Summary - Culvert 1

Barrel Shape: Concrete Box

Barrel Span: 10.00 ft

Barrel Rise: 10.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge (90º) Headwall

Inlet Depression: NONE

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
2431.00	2487.67	4.67	17.34	2.92	1.41
2456.90	2487.71	4.71	17.40	2.94	1.41
2482.80	2487.74	4.74	17.46	2.96	1.41
2508.70	2487.77	4.77	17.52	2.98	1.41
2534.60	2487.81	4.81	17.58	3.00	1.41
2560.50	2487.84	4.84	17.64	3.02	1.41
2586.40	2487.87	4.87	17.70	3.04	1.41
2612.30	2487.90	4.90	17.76	3.06	1.41
2638.20	2487.94	4.94	17.82	3.08	1.41
2664.10	2487.97	4.97	17.88	3.10	1.41
2690.00	2488.00	5.00	17.93	3.12	1.41

Table 18 - Downstream Channel Rating Curve (Crossing: Pershing Channel at I-10)

Tailwater Channel Data - Pershing Channel at I-10

Tailwater Channel Option: Rectangular Channel

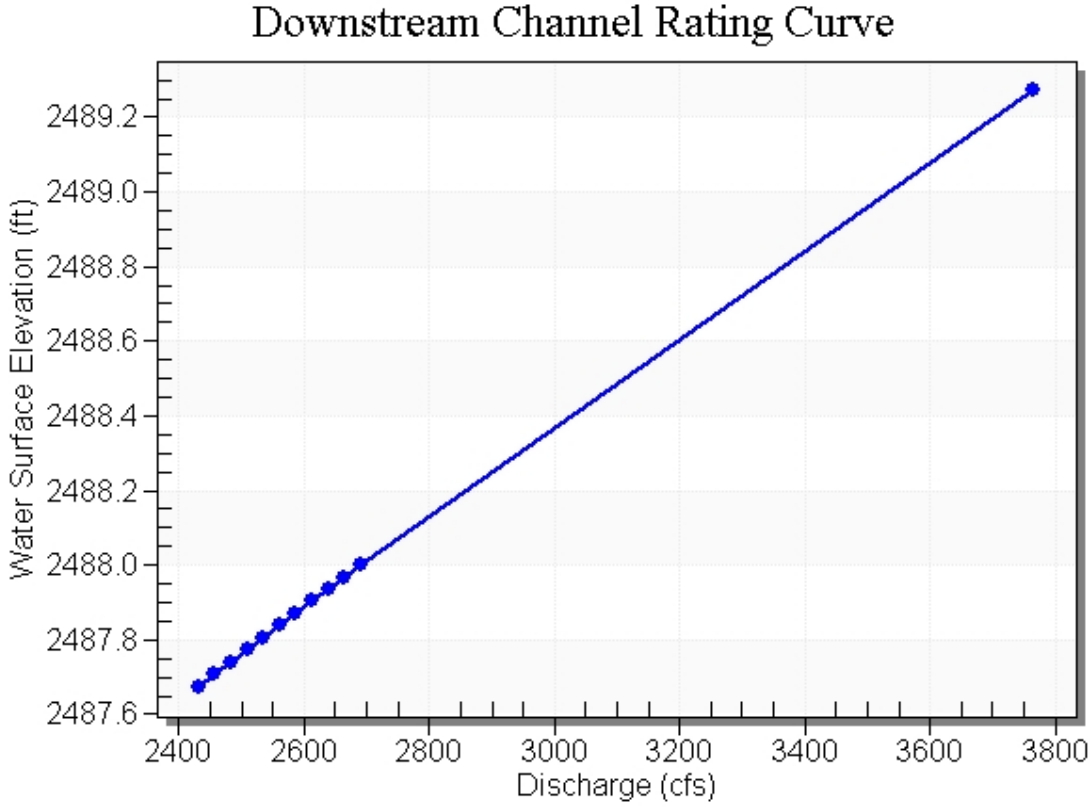
Bottom Width: 30.00 ft

Channel Slope: 0.0100

Channel Manning's n: 0.0200

Channel Invert Elevation: 2483.00 ft

Tailwater Rating Curve Plot for Crossing: Pershing Channel at I-10



Roadway Data for Crossing: Pershing Channel at I-10

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	0.00	2510.72
1	100.00	2511.00
2	200.00	2511.28

Roadway Surface: Paved

Roadway Top Width: 200.00 ft

Pershing Channel at SPRR Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 2431 cfs

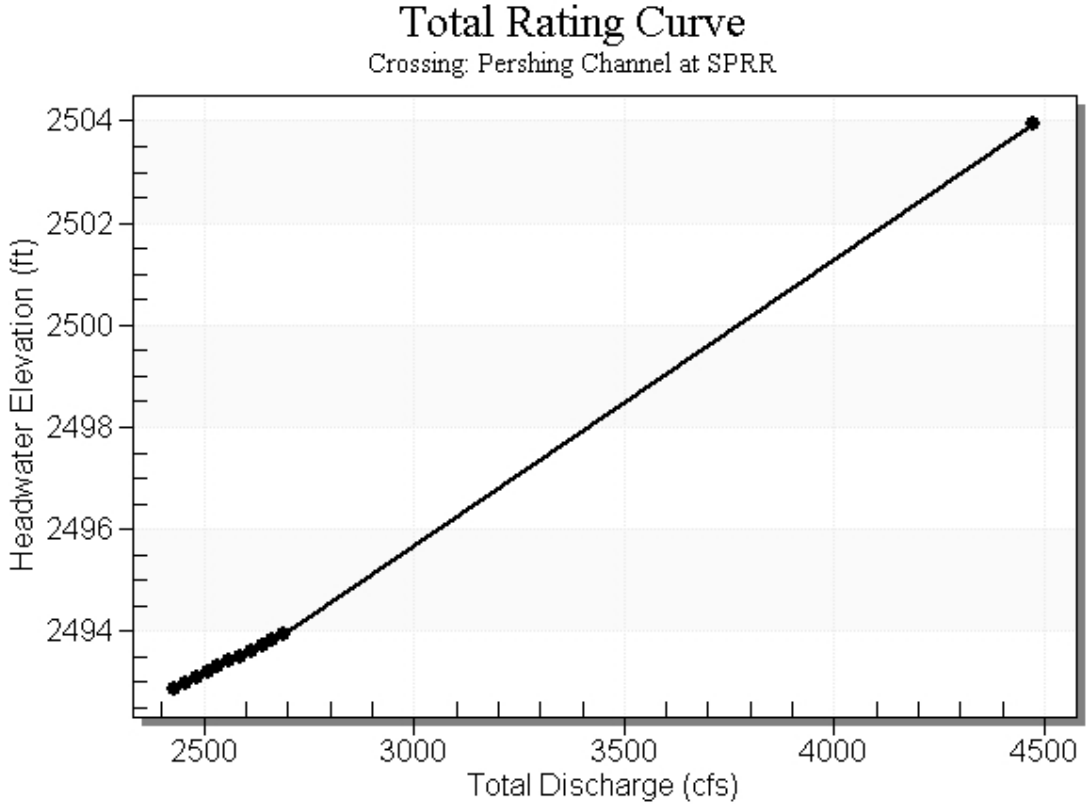
Design Flow: 2431 cfs

Maximum Flow: 2690 cfs

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Culvert 2 Discharge (cfs)	Culvert 3 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
2492.89	2431.00	595.00	1241.00	595.00	0.00	11
2492.99	2456.90	600.61	1255.68	600.61	0.00	3
2493.09	2482.80	606.21	1270.38	606.21	0.00	3
2493.20	2508.70	611.80	1285.10	611.80	0.00	3
2493.30	2534.60	617.36	1299.87	617.36	0.00	3
2493.41	2560.50	622.93	1314.65	622.93	0.00	3
2493.51	2586.40	628.48	1329.44	628.48	0.00	3
2493.62	2612.30	634.02	1344.26	634.02	0.00	3
2493.73	2638.20	639.55	1359.10	639.55	0.00	3
2493.83	2664.10	645.08	1373.95	645.08	0.00	3
2493.94	2690.00	650.59	1388.82	650.59	0.00	3
2504.00	4471.89	1030.24	2411.42	1030.24	0.00	Overtopping

Table 19 - Summary of Culvert Flows at Crossing: Pershing Channel at SPRR

Rating Curve Plot for Crossing: Pershing Channel at SPRR



Crossing Front View (Roadway Profile): Pershing Channel at SPRR

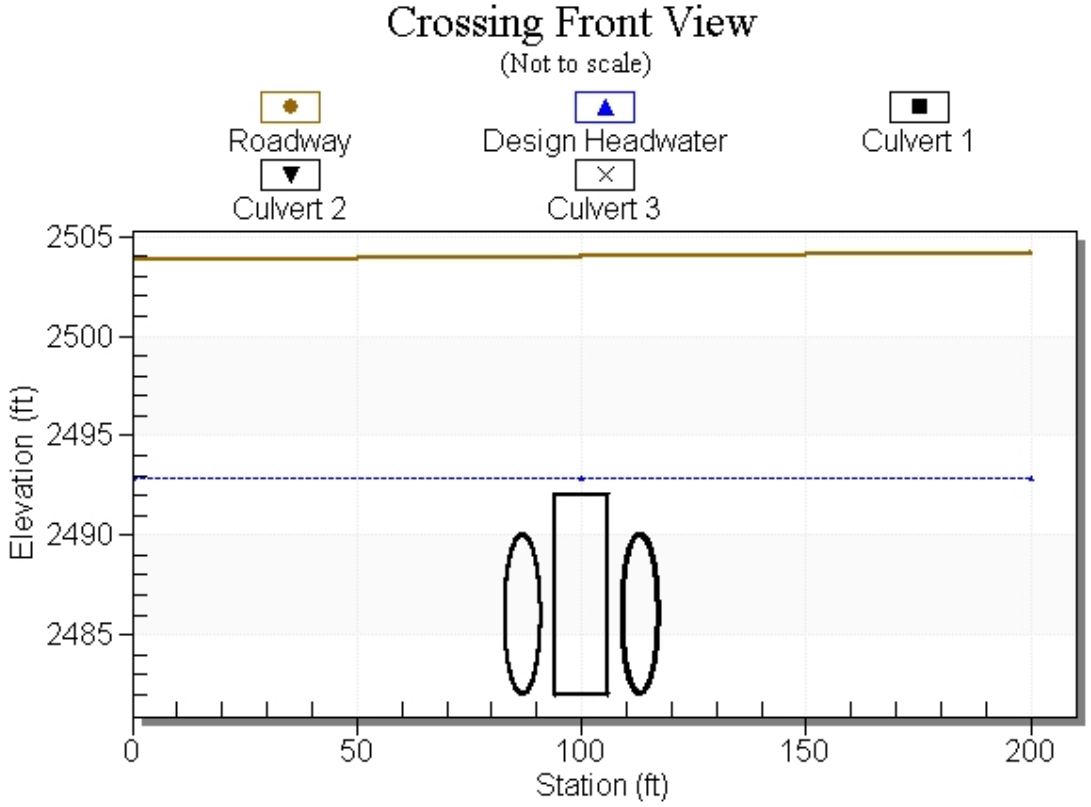


Table 20 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2431.00	595.00	2492.89	10.887	9.727	5-S2n	4.471	6.206	5.202	3.782	17.207
2456.90	600.61	2492.99	10.989	9.810	5-S2n	4.498	6.234	5.231	3.808	17.262
2482.80	606.21	2493.09	11.092	9.893	5-S2n	4.524	6.262	5.260	3.833	17.316
2508.70	611.80	2493.20	11.196	9.976	5-S2n	4.551	6.289	5.289	3.859	17.370
2534.60	617.36	2493.30	11.300	10.060	5-S2n	4.577	6.316	5.317	3.885	17.422
2560.50	622.93	2493.41	11.405	10.143	5-S2n	4.603	6.342	5.346	3.910	17.475
2586.40	628.48	2493.51	11.511	10.228	5-S2n	4.629	6.368	5.374	3.935	17.527
2612.30	634.02	2493.62	11.618	10.312	5-S2n	4.655	6.394	5.402	3.961	17.578
2638.20	639.55	2493.73	11.726	10.397	5-S2n	4.682	6.420	5.431	3.986	17.630
2664.10	645.08	2493.83	11.834	10.483	5-S2n	4.708	6.445	5.458	4.011	17.681
2690.00	650.59	2493.94	11.944	10.568	5-S2n	4.734	6.470	5.486	4.036	17.732

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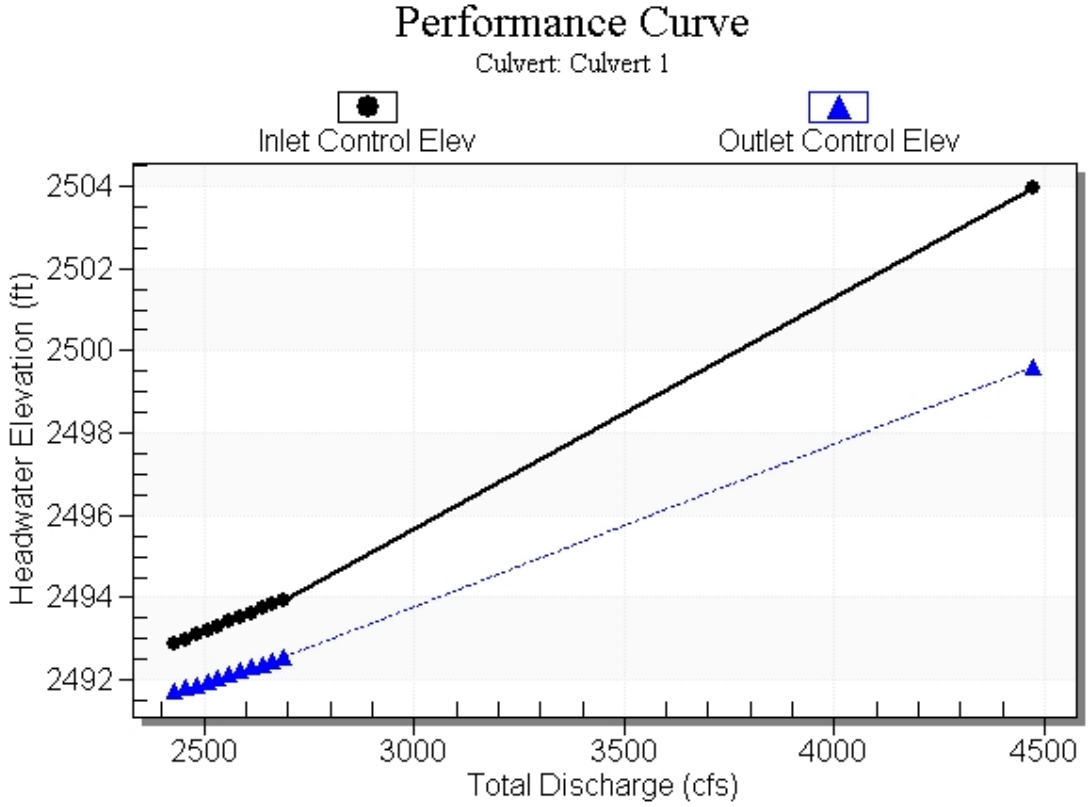
Straight Culvert

Inlet Elevation (invert): 2482.00 ft, Outlet Elevation (invert): 2481.00 ft

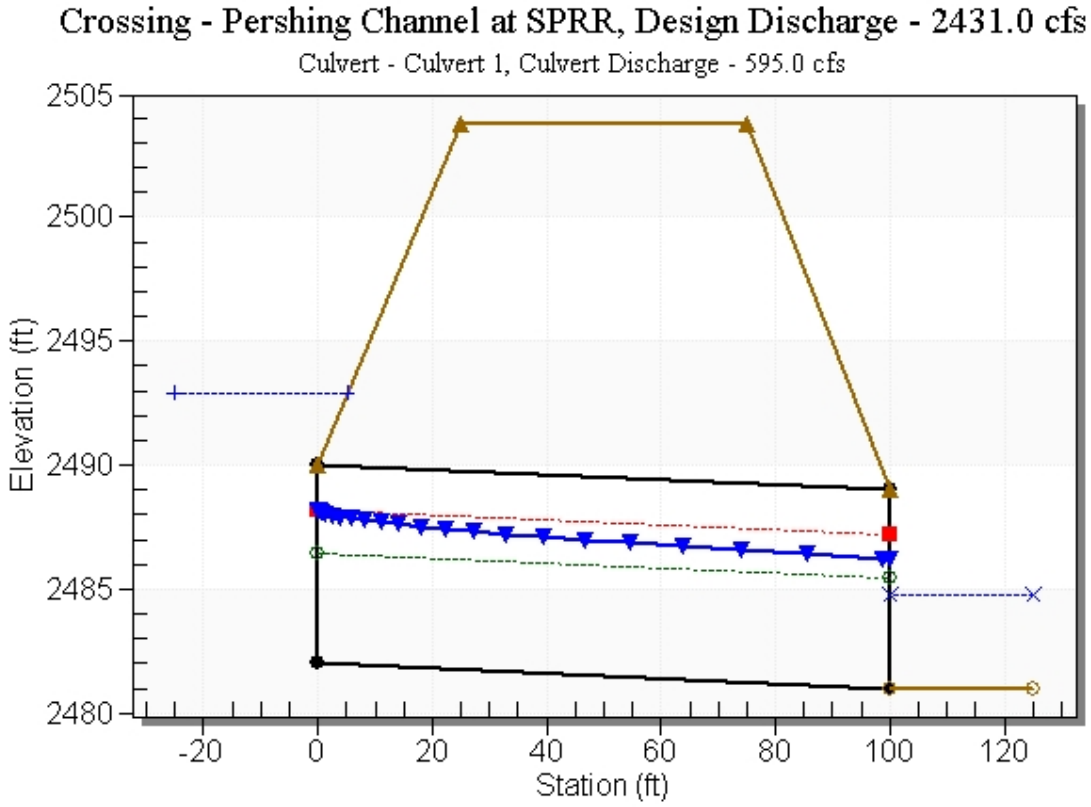
Culvert Length: 100.00 ft, Culvert Slope: 0.0100

****

Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2482.00 ft

Outlet Station: 100.00 ft

Outlet Elevation: 2481.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Circular

Barrel Diameter: 8.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge with Headwall

Inlet Depression: NONE

Table 21 - Culvert Summary Table: Culvert 2

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2431.00	1241.00	2492.89	10.887	8.432	5-S2n	4.454	6.925	5.569	3.782	18.570
2456.90	1255.68	2492.99	10.989	8.547	5-S2n	4.493	6.980	5.618	3.808	18.626
2482.80	1270.38	2493.09	11.092	8.661	5-S2n	4.533	7.034	5.667	3.833	18.682
2508.70	1285.10	2493.20	11.196	8.777	5-S2n	4.570	7.088	5.715	3.859	18.738
2534.60	1299.87	2493.30	11.300	8.893	5-S2n	4.608	7.143	5.764	3.885	18.793
2560.50	1314.65	2493.41	11.405	9.010	5-S2n	4.645	7.197	5.812	3.910	18.848
2586.40	1329.44	2493.51	11.511	9.128	5-S2n	4.682	7.251	5.861	3.935	18.903
2612.30	1344.26	2493.62	11.618	9.246	5-S2n	4.720	7.304	5.909	3.961	18.958
2638.20	1359.10	2493.73	11.726	9.365	5-S2n	4.757	7.358	5.957	3.986	19.012
2664.10	1373.95	2493.83	11.834	9.484	5-S2n	4.795	7.412	6.006	4.011	19.065
2690.00	1388.82	2493.94	11.944	9.605	5-S2n	4.832	7.465	6.054	4.036	19.118

****

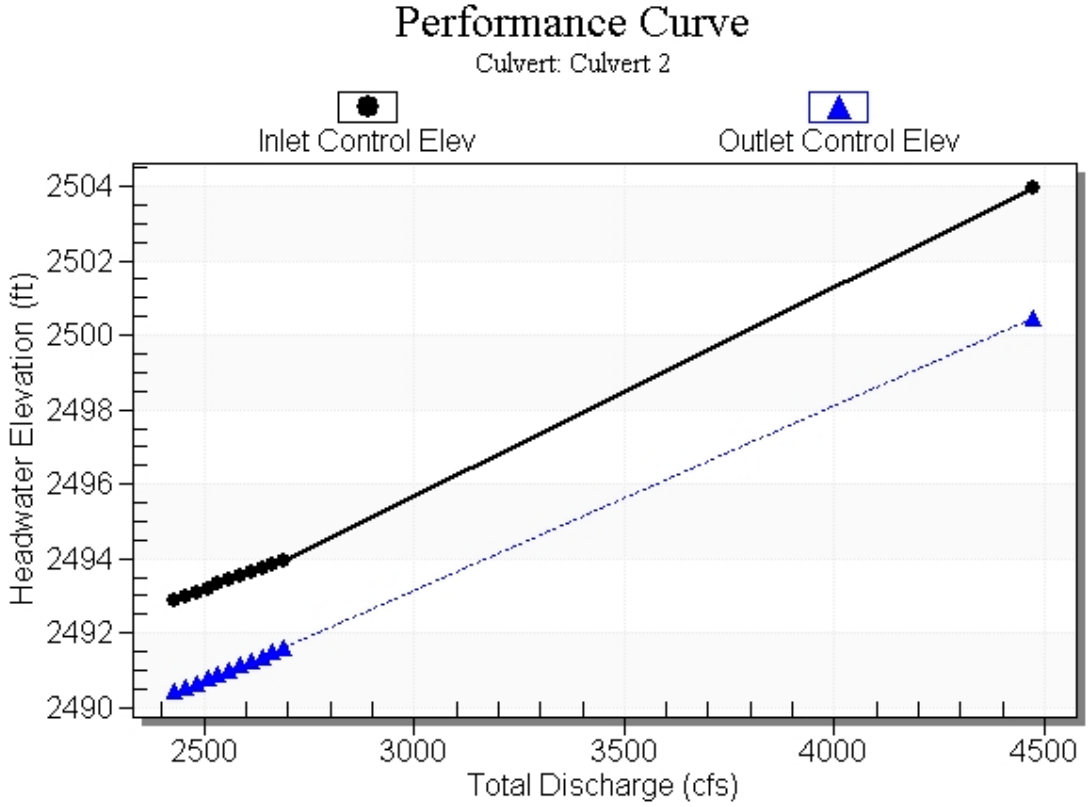
Straight Culvert

Inlet Elevation (invert): 2482.00 ft, Outlet Elevation (invert): 2481.00 ft

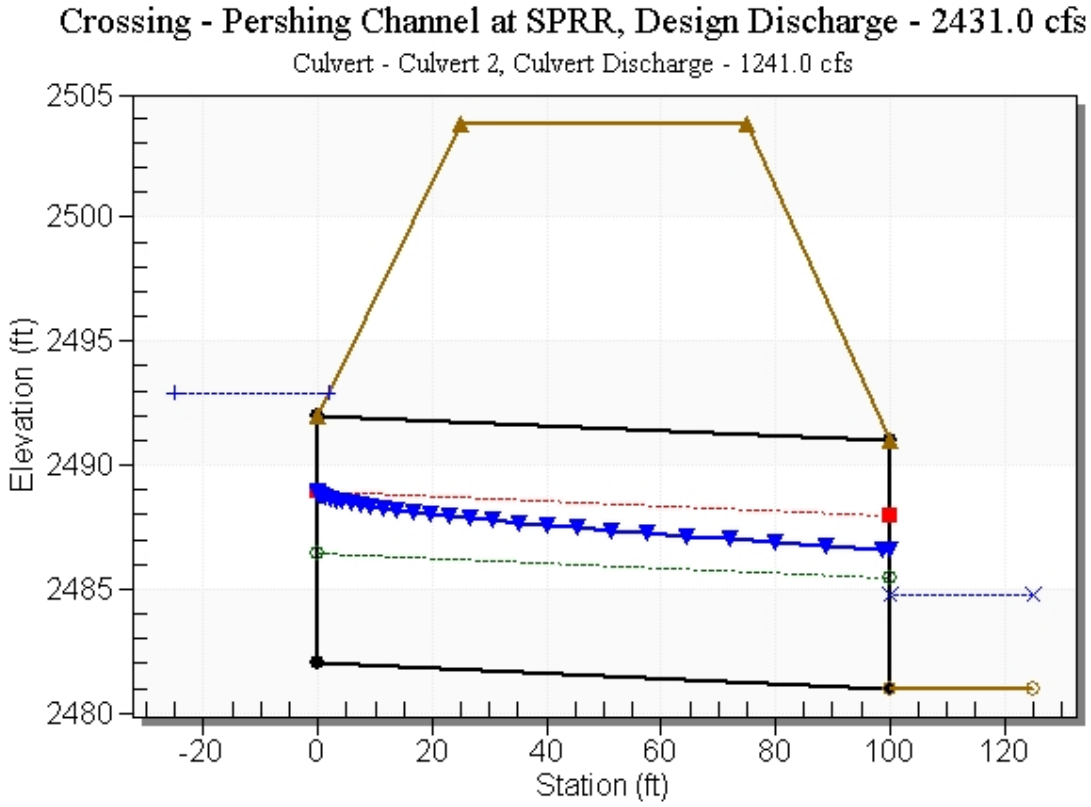
Culvert Length: 100.00 ft, Culvert Slope: 0.0100

****

Culvert Performance Curve Plot: Culvert 2



Water Surface Profile Plot for Culvert: Culvert 2



Site Data - Culvert 2

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2482.00 ft

Outlet Station: 100.00 ft

Outlet Elevation: 2481.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 2

Barrel Shape: Concrete Box

Barrel Span: 12.00 ft

Barrel Rise: 10.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge (30-75º flare) Wingwall

Inlet Depression: NONE

Table 22 - Culvert Summary Table: Culvert 3

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)
2431.00	595.00	2492.89	10.887	9.727	5-S2n	4.471	6.206	5.202	3.782	17.207
2456.90	600.61	2492.99	10.989	9.810	5-S2n	4.498	6.234	5.231	3.808	17.262
2482.80	606.21	2493.09	11.092	9.893	5-S2n	4.524	6.262	5.260	3.833	17.316
2508.70	611.80	2493.20	11.196	9.976	5-S2n	4.551	6.289	5.289	3.859	17.370
2534.60	617.36	2493.30	11.300	10.060	5-S2n	4.577	6.316	5.317	3.885	17.422
2560.50	622.93	2493.41	11.405	10.143	5-S2n	4.603	6.342	5.346	3.910	17.475
2586.40	628.48	2493.51	11.511	10.228	5-S2n	4.629	6.368	5.374	3.935	17.527
2612.30	634.02	2493.62	11.618	10.312	5-S2n	4.655	6.394	5.402	3.961	17.578
2638.20	639.55	2493.73	11.726	10.397	5-S2n	4.682	6.420	5.431	3.986	17.630
2664.10	645.08	2493.83	11.834	10.483	5-S2n	4.708	6.445	5.458	4.011	17.681
2690.00	650.59	2493.94	11.944	10.568	5-S2n	4.734	6.470	5.486	4.036	17.732

****

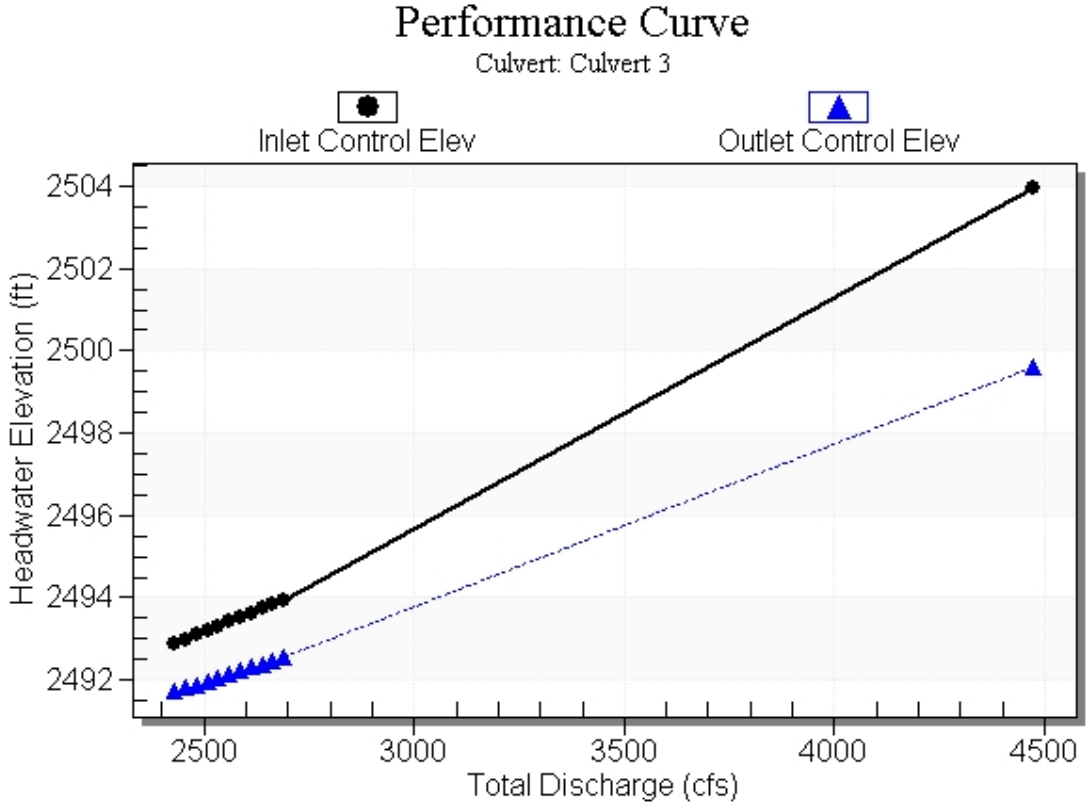
Straight Culvert

Inlet Elevation (invert): 2482.00 ft, Outlet Elevation (invert): 2481.00 ft

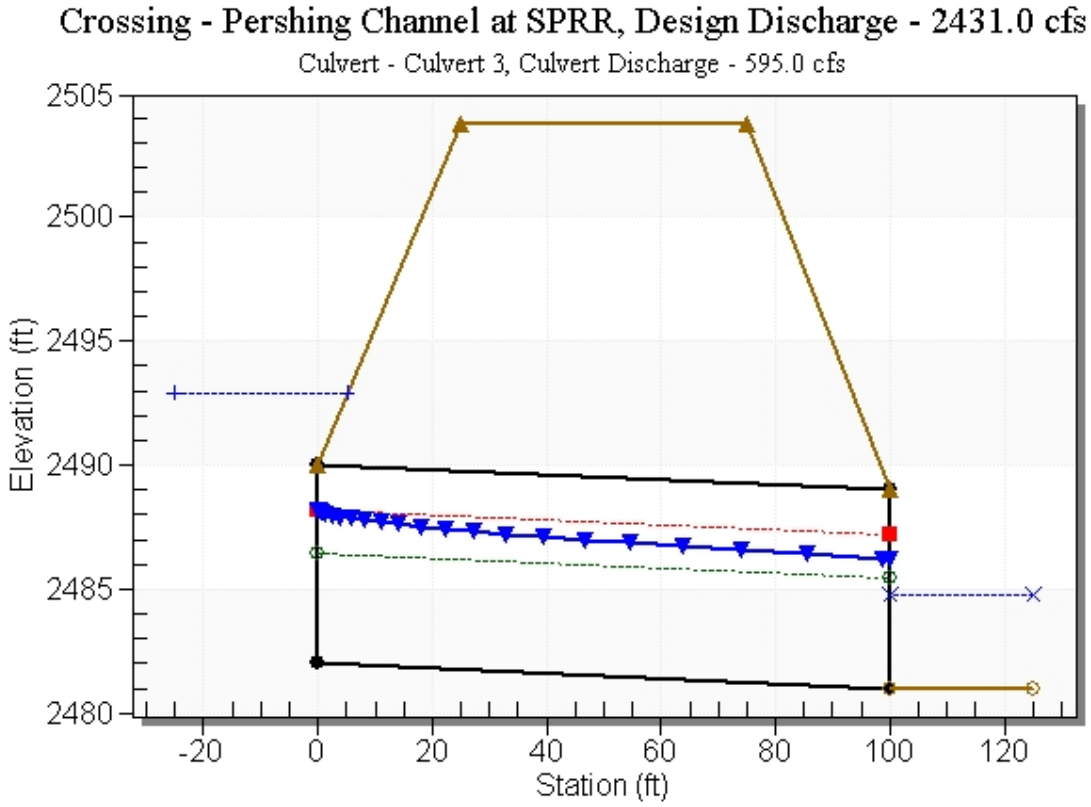
Culvert Length: 100.00 ft, Culvert Slope: 0.0100

****

Culvert Performance Curve Plot: Culvert 3



Water Surface Profile Plot for Culvert: Culvert 3



Site Data - Culvert 3

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 2482.00 ft

Outlet Station: 100.00 ft

Outlet Elevation: 2481.00 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 3

Barrel Shape: Circular

Barrel Diameter: 8.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge with Headwall

Inlet Depression: NONE

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
2431.00	2484.78	3.78	16.07	2.36	1.46
2456.90	2484.81	3.81	16.13	2.38	1.46
2482.80	2484.83	3.83	16.19	2.39	1.46
2508.70	2484.86	3.86	16.25	2.41	1.46
2534.60	2484.88	3.88	16.31	2.42	1.46
2560.50	2484.91	3.91	16.37	2.44	1.46
2586.40	2484.94	3.94	16.43	2.46	1.46
2612.30	2484.96	3.96	16.49	2.47	1.46
2638.20	2484.99	3.99	16.55	2.49	1.46
2664.10	2485.01	4.01	16.60	2.50	1.46
2690.00	2485.04	4.04	16.66	2.52	1.46

Table 23 - Downstream Channel Rating Curve (Crossing: Pershing Channel at SPRR)

Tailwater Channel Data - Pershing Channel at SPRR

Tailwater Channel Option: Rectangular Channel

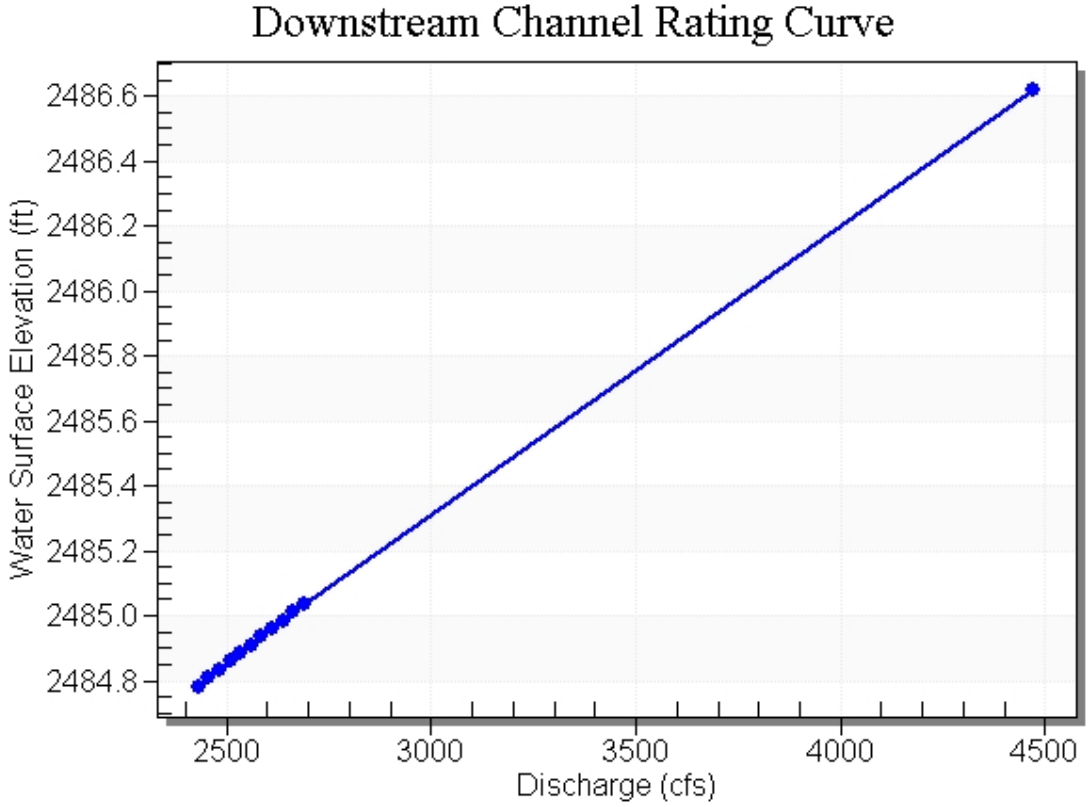
Bottom Width: 40.00 ft

Channel Slope: 0.0100

Channel Manning's n: 0.0200

Channel Invert Elevation: 2481.00 ft

Tailwater Rating Curve Plot for Crossing: Pershing Channel at SPRR



Roadway Data for Crossing: Pershing Channel at SPRR

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

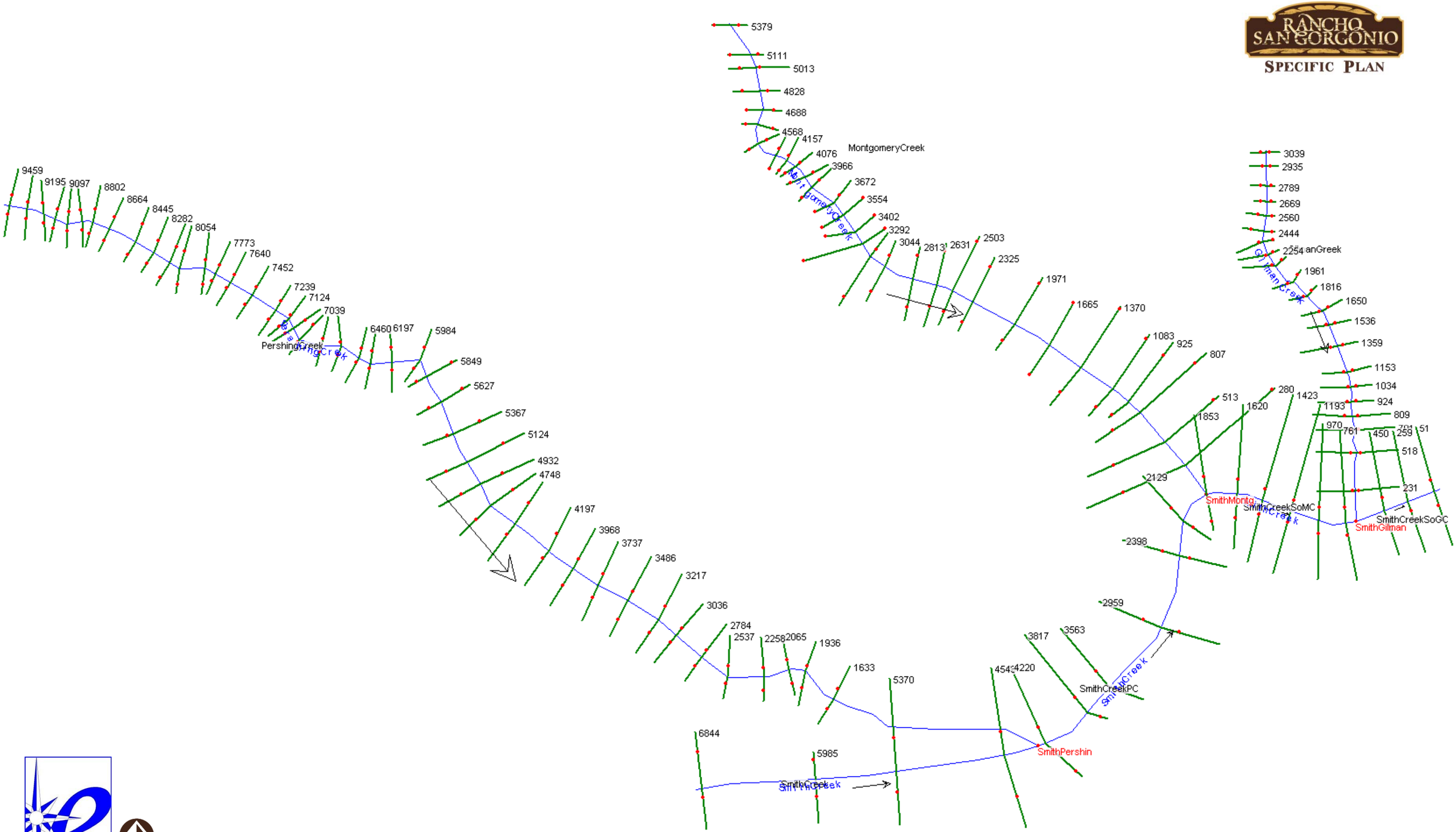
Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	0.00	2503.80
1	100.00	2504.00
2	200.00	2504.20

Coefficient of Discharge: 2.5000

Roadway Top Width: 50.00 ft

Appendix C: Existing Stream Hydraulic Calculations



HEC-RAS Proposed Condition Creek Hydraulics Schematic

```
                    HEC-RAS Version 4.1.0 Jan 2010
                     U.S. Army Corps of Engineers
                    Hydrologic Engineering Center
                          609 Second Street
                          Davis, California


           X     X  XXXXXX    XXXX        XXXX       XX      XXXX
           X     X  X        X    X       X   X     X  X    X
           X     X  X        X            X   X    X    X   X
           XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
           X     X  X        X            X  X     X    X        X
           X     X  X        X    X       X   X    X    X        X
           X     X  XXXXXX    XXXX        X    X   X    X   XXXXX



PROJECT DATA
Project Title: RSG_Ex_Creeks
Project File : RSG_Ex_Creeks.prj
Run Date and Time: 6/11/2014 2:36:40 PM

Project in English units

Project Description:
Existing Condition (25% debris bulking)



PLAN DATA

Plan Title: Plan 01
Plan File : p:\102-212\Drainage\HEC-RAS\RSG_Ex_Creeks.p01

          Geometry Title: ExGeoCombined
          Geometry File : p:\102-212\Drainage\HEC-RAS\RSG_Ex_Creeks.g01

          Flow Title    : ExFlowCombined
          Flow File     : p:\102-212\Drainage\HEC-RAS\RSG_Ex_Creeks.f01

Plan Summary Information:
Number of:  Cross Sections =  115    Multiple Openings  =    0
            Culverts       =    0    Inline Structures  =    0
            Bridges        =    0    Lateral Structures =    0

Computational Information
    Water surface calculation tolerance  =  0.01
    Critical depth calculation tolerance =  0.01
    Maximum number of iterations         =  20
    Maximum difference tolerance         =  0.3
    Flow tolerance factor                =  0.001

Computation Options
    Critical depth computed only where necessary
    Conveyance Calculation Method: At breaks in n values only
    Friction Slope Method:         Average Conveyance
    Computational Flow Regime:     Subcritical Flow



FLOW DATA

Flow Title: ExFlowCombined
Flow File : p:\102-212\Drainage\HEC-RAS\RSG_Ex_Creeks.f01

Flow Data (cfs)

  River           Reach           RS                  PF 1
  GilmanCreek     GilmanGreek     3039                3665
  MontgomeryCreek MontgomeryCreek 5379                2173
  PershingCreek   PershingCreek   9459                4013
  SmithCreek      SmithCreek      6844                8701
  SmithCreek      SmithCreek      5370               11807
  SmithCreek      SmithCreekPC    4220               11807
  SmithCreek      SmithCreekSoMC  1853               14240
  SmithCreek      SmithCreekSoGC  450                17192


Boundary Conditions

  River           Reach           Profile                       Upstream                Downstream

  GilmanCreek     GilmanGreek     PF 1                            Critical
```

```
  MontgomeryCreek MontgomeryCreek PF 1                          Critical
  PershingCreek   PershingCreek   PF 1                          Critical
  SmithCreek      SmithCreek      PF 1                          Critical
  SmithCreek      SmithCreekSoGC  PF 1                                                Critical



GEOMETRY DATA

Geometry Title: ExGeoCombined
Geometry File : p:\102-212\Drainage\HEC-RAS\RSG_Ex_Creeks.g01

Reach Connection Table

  River            Reach               Upstream Boundary    Downstream Boundary

  GilmanCreek      GilmanGreek                              SmithGilman
  MontgomeryCreek  MontgomeryCreek                          SmithMontg
  PershingCreek    PershingCreek                            SmithPershin
  SmithCreek       SmithCreek                               SmithPershin
  SmithCreek       SmithCreekPC         SmithPershin        SmithMontg
  SmithCreek       SmithCreekSoMC       SmithMontg          SmithGilman
  SmithCreek       SmithCreekSoGC       SmithGilman


JUNCTION INFORMATION

Name: SmithMontg
Description:
Energy computation Method

    Length across Junction             Tributary
     River           Reach               River          Reach         Length   Angle
SmithCreek      SmithCreekPC     to SmithCreek      SmithCreekSoMC    276.67       0
MontgomeryCreek MontgomeryCreek  to SmithCreek      SmithCreekSoMC         0       0

Name: SmithGilman
Description:
Energy computation Method

    Length across Junction             Tributary
     River           Reach               River          Reach         Length   Angle
SmithCreek      SmithCreekSoMC   to SmithCreek      SmithCreekSoGC    311.58       0
GilmanCreek     GilmanGreek      to SmithCreek      SmithCreekSoGC         0       0

Name: SmithPershin
Description:
Energy computation Method

    Length across Junction             Tributary
     River           Reach               River          Reach         Length   Angle
SmithCreek      SmithCreek       to SmithCreek      SmithCreekPC      322.42       0
PershingCreek   PershingCreek    to SmithCreek      SmithCreekPC           0       0

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 3039

INPUT
Description:
Station Elevation Data    num=     149
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2271     .89    2271    4.88    2271    5.33    2271    5.34    2271
    6.23 2270.85    6.94 2270.74    7.24  2270.7   10.55 2270.72   19.98 2270.72
   32.78 2270.98   32.94    2271   33.38 2271.01   35.35 2271.03   35.72 2271.04
   37.94 2271.01   38.55    2271    38.6 2270.98   41.78    2270    43.7 2269.34
   44.71    2269   47.13 2268.17    47.8    2268   48.91  2267.7   49.25 2267.65
   50.04 2267.59   51.39 2267.55    52.9 2267.53   54.21 2267.52   55.63  2267.5
   63.32    2267   64.45 2266.37   65.55    2266   66.51 2265.25   66.79    2265
   67.59  2264.5   68.53    2264   69.44 2263.52   69.71 2263.39   70.47    2263
   71.13 2262.51   71.75    2262   73.03 2261.03   73.08    2261   74.51 2260.25
   74.75 2260.14   75.14    2260   75.95 2259.68   76.97 2259.32   77.46 2259.22
   78.45    2259   80.38  2258.6   80.77 2258.48   82.99    2258   83.31 2257.93
   88.09    2257   88.19 2256.98   88.22 2256.98   88.24 2256.97   88.47 2256.94
   88.51 2256.93   92.16 2255.35   94.49  2254.9   96.01 2254.42    99.2 2253.92
  102.96 2253.23  112.87 2251.33  113.09 2251.29  114.32 2250.94  117.43    2250
  117.81    2250  117.86    2250  119.21 2249.99  125.04 2249.96  126.41 2249.97
  132.66    2250  132.99 2250.26  133.89    2251  134.07 2251.13  134.87    2252
  136.06 2252.87  136.18    2253  136.35 2253.13  137.31    2254  138.61 2254.92
  138.72    2255  139.32 2255.29  141.71    2256  143.42 2256.52  145.11    2257
  146.56 2257.72  146.59 2257.76  146.81    2258   147.3 2258.86  147.35    2259
  147.92 2259.89  147.95    2260  148.37 2260.53  148.58    2261  149.07 2261.84
  149.17    2262  149.67 2262.85  149.75    2263  149.87 2263.18  150.35    2264
  150.85 2264.85  150.94    2265  151.45 2265.86  151.53    2266  152.04 2266.88
```

```
  152.11    2267  152.64 2267.89   152.7    2268  152.99 2268.34  153.31 2268.55
  154.14    2269  161.17 2269.33  162.51 2269.37  164.68 2269.47   167.9 2269.56
  170.22 2269.62  172.43 2269.63  175.85 2269.52  184.49 2269.07  184.65 2269.07
  184.88 2269.06  185.22    2269   185.5    2269   185.8    2269  187.05 2268.99
  187.12 2268.99  187.42 2268.99  188.65    2269  188.85    2269  189.16    2269
  189.23    2269  191.03 2269.12  192.79 2269.21  194.21 2269.21  195.37 2269.23
  196.89 2269.27  207.61 2269.48  208.91 2269.53  211.02  2269.6  212.25 2269.63
  215.31 2269.71  216.02 2269.74  220.14 2269.81  221.46 2269.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   77.46    .027  146.59    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         77.46  146.59              102  103.99  102.89             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2260.35    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.68    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2258.66    Reach Len. (ft)          102.00     103.99    102.89
  Crit W.S. (ft)                      Flow Area (sq ft)                   352.03      0.30
  E.G. Slope (ft/ft)       0.004148   Area (sq ft)                        352.03      0.30
  Q Total (cfs)            3665.00    Flow (cfs)                         3664.66      0.34
  Top Width (ft)             67.11    Top Width (ft)                       66.52      0.60
  Vel Total (ft/s)           10.40    Avg. Vel. (ft/s)                     10.41      1.15
  Max Chl Dpth (ft)           8.70    Hydr. Depth (ft)                      5.29      0.50
  Conv. Total (cfs)        56907.0    Conv. (cfs)                        56901.7       5.3
  Length Wtd. (ft)           103.99   Wetted Per. (ft)                     69.94      1.09
  Min Ch El (ft)           2249.96    Shear (lb/sq ft)                      1.30      0.07
  Alpha                       1.00    Stream Power (lb/ft s)   221.46       0.00      0.00
  Frctn Loss (ft)             0.55    Cum Volume (acre-ft)       4.96      21.95      0.68
  C & E Loss (ft)             0.12    Cum SA (acres)             2.39       4.07      1.47


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 2935

INPUT
Description:
Station Elevation Data    num=     163
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2261.07    5.09 2261.04    5.56 2261.04    5.66 2261.04    5.84 2261.07
    5.85 2261.07    7.03 2261.08    7.28 2261.12    8.15 2261.28    8.97  2261.4
   10.08 2261.59   10.67 2261.68   10.74 2261.69   11.21 2261.87   11.67    2262
   12.26 2262.15   15.53    2263   19.78 2263.93   20.04    2264   24.66  2264.4
   26.95 2264.61   30.35 2264.69   33.11 2264.69   33.92 2264.66   35.62 2264.59
    38.4 2264.45   40.24 2264.35   45.46    2264   46.13 2263.67   47.57    2263
    48.1 2262.72   48.24 2262.71   48.46  2262.7   48.88  2262.7   49.32 2262.69
   50.82    2262   50.96 2261.91   52.76    2261   54.54 2260.02   54.58    2260
   54.97 2259.78   56.54    2259   57.99 2258.21   58.17 2258.11   58.37    2258
      60 2257.19   60.67    2257   62.95 2256.46    64.7    2256   66.41 2255.42
   67.86    2255   70.13 2254.19   70.71    2254   72.92 2253.16   73.36    2253
   75.17 2252.29   75.94    2252   76.77 2251.72   78.81    2251    79.6  2250.7
   81.45    2250    82.6 2249.56   84.11    2249   84.61 2248.58   85.57    2248
   85.84 2247.62   86.54    2247   86.88 2246.65   87.44    2246   89.14  2245.4
   89.74 2245.33   90.63 2245.28   91.25 2245.35   91.45 2245.37   93.74 2245.79
   94.63    2246   95.22 2246.54    95.8    2247   96.81 2247.88   97.35 2248.25
   97.64 2248.45   98.42 2249.06   99.85 2250.05   99.94  2250.1  101.25 2251.06
  101.63 2251.35  102.39 2251.99  103.43 2252.76  104.02 2253.21  104.38 2253.47
  104.56  2253.6  104.86 2253.84  105.05    2254  105.08 2254.03  106.31    2255
  107.43 2255.89  107.54    2256   107.6 2256.05  108.79    2257  109.19 2257.38
  109.96    2258  110.49 2258.46  111.16    2259  111.78 2259.53  112.31    2260
  112.67 2260.28  113.52    2261  114.25 2261.64   114.7    2262  115.47 2262.67
  115.77 2262.91  115.88    2263  116.68  2263.7  117.06    2264  117.42  2264.3
  118.24    2265  118.88  2265.5  119.04 2265.57  119.22 2265.62  119.42 2265.66
  119.61 2265.69  120.14 2265.74   120.6 2265.79  121.35  2265.9     122    2266
  122.35    2266  124.92    2266  125.43    2266  125.89 2265.91  128.72 2265.84
  135.17 2265.74   138.6 2265.95  145.71    2266  146.77 2266.01  147.57 2266.01
  150.95 2266.03  153.18 2266.03  153.39 2266.03  154.57 2266.04  157.44 2266.04
  161.89 2266.17  171.06  2266.1  174.38 2266.04   178.3 2266.03  178.41 2266.02
  178.57 2266.02  178.88 2266.02  179.15 2266.02  181.18    2266  182.03    2266
  182.07    2266   182.1    2266  187.87 2265.99  196.44    2266  201.94 2266.06
  202.09 2266.07   202.3 2266.08   202.6 2266.09  202.92  2266.1  203.15 2266.11
  203.61 2266.11  211.04 2266.48  213.09 2266.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   57.99    .027  115.77    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         57.99  115.77           149.78  146.06  147.39             .1       .3
```

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2259.67	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.88	Wt. n-Val.		0.027		
W.S. Elev (ft)	2256.80	Reach Len. (ft)	149.78	146.06	147.39	
Crit W.S. (ft)	2256.80	Flow Area (sq ft)		269.28		
E.G. Slope (ft/ft)	0.007074	Area (sq ft)		269.28		
Q Total (cfs)	3665.00	Flow (cfs)		3665.00		
Top Width (ft)	47.00	Top Width (ft)		47.00		
Vel Total (ft/s)	13.61	Avg. Vel. (ft/s)		13.61		
Max Chl Dpth (ft)	11.52	Hydr. Depth (ft)		5.73		
Conv. Total (cfs)	43575.4	Conv. (cfs)		43575.4		
Length Wtd. (ft)	146.06	Wetted Per. (ft)		53.41		
Min Ch El (ft)	2245.28	Shear (lb/sq ft)		2.23		
Alpha	1.00	Stream Power (lb/ft s)	213.09	0.00	0.00	
Frctn Loss (ft)	1.01	Cum Volume (acre-ft)	4.96	21.21	0.67	
C & E Loss (ft)	0.06	Cum SA (acres)	2.39	3.94	1.47	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 2789

INPUT
Description:
Station Elevation Data num= 125

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2261.52	1.15	2261	2.45	2260.44	3.32	2260	5.54	2259.02
5.62	2259	6.02	2258.99	10.01	2258.72	12.83	2258.64	15.56	2258.65
16.98	2258.64	18.57	2258.54	22.1	2258.2	22.5	2258.18	23.15	2258
24.62	2257.68	27.73	2257.07	28.09	2257	31.09	2256.33	32.74	2256
32.95	2255.88	35.28	2255	36.83	2254.29	37.49	2254	38.14	2253.72
39.6	2253	40.72	2252.42	41.71	2252	43.19	2251.29	43.79	2251
44.86	2250.57	46.05	2250	47.15	2249.54	48.27	2249	49.45	2248.51
50.34	2248	52.13	2247.26	52.66	2247	53.1	2246.79	54.84	2246
55.47	2245.71	57	2245	57.91	2244.45	58.13	2244.38	58.52	2244.31
60.26	2244.09	60.86	2244	60.91	2244	70.04	2243.66	71.75	2243.66
76.01	2243.64	76.09	2243.65	76.49	2244	77.13	2244.74	77.45	2245
78.2	2245.73	78.57	2246	79.79	2246.25	87.66	2247.78	88.37	2248
89.16	2248.39	90.34	2249	91.67	2249.71	92.19	2250	93.75	2250.8
94.08	2251	94.43	2251.21	95.84	2252	96.31	2252.29	97.59	2253
98.16	2253.35	99.3	2254	100.33	2254.65	100.89	2255	102.02	2255.71
102.48	2256	103.71	2256.78	104.06	2257	105.4	2257.85	105.64	2258
105.74	2258.06	107.11	2258.93	107.22	2259	108.42	2259.76	108.84	2260
108.95	2260.06	110.61	2261	111.1	2261.27	112.38	2262	113.28	2262.61
113.99	2263	114.5	2263.05	114.58	2263.06	114.65	2263.05	114.8	2263.04
114.89	2263	119.91	2262.4	120.68	2262.38	121.14	2262.34	121.53	2262.32
122.59	2262.27	123.49	2262.28	123.87	2262.26	124.22	2262.25	125.23	2262.28
125.35	2262.28	126.18	2262.24	126.84	2262.22	135.83	2262.27	144.25	2262.27
145.22	2262.25	157.12	2262.77	157.33	2262.77	157.61	2262.77	158	2262.79
158.88	2262.83	158.98	2262.84	159.9	2262.86	161.71	2262.86	162.69	2262.93
172.35	2262.88	173.99	2262.88	175.83	2262.86	177.91	2262.84	184.61	2262.04

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	27.73	.027	105.74	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
27.73	105.74	119.52	119.49	122.63	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2254.46	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.66	Wt. n-Val.		0.027		
W.S. Elev (ft)	2251.80	Reach Len. (ft)	119.52	119.49	122.63	
Crit W.S. (ft)	2251.80	Flow Area (sq ft)		279.85		
E.G. Slope (ft/ft)	0.006807	Area (sq ft)		279.85		
Q Total (cfs)	3665.00	Flow (cfs)		3665.00		
Top Width (ft)	53.34	Top Width (ft)		53.34		
Vel Total (ft/s)	13.10	Avg. Vel. (ft/s)		13.10		
Max Chl Dpth (ft)	8.16	Hydr. Depth (ft)		5.25		
Conv. Total (cfs)	44423.4	Conv. (cfs)		44423.4		
Length Wtd. (ft)	119.49	Wetted Per. (ft)		57.13		
Min Ch El (ft)	2243.64	Shear (lb/sq ft)		2.08		

Alpha	1.00	Stream Power (lb/ft s)	184.61	0.00	0.00
Frctn Loss (ft)	0.82	Cum Volume (acre-ft)	4.96	20.29	0.67
C & E Loss (ft)	0.01	Cum SA (acres)	2.39	3.77	1.47

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 2669

INPUT
Description:
Station Elevation Data num= 139

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2251.26	17.97	2252	18.74	2252.38	20.01	2253	21.45	2253.77
21.95	2254	24.03	2254.01	27.88	2254.02	27.93	2254.02	29.27	2254.01
33.36	2254	34.03	2253.61	35.27	2253	35.79	2252.69	36.76	2252
36.95	2251.89	38.34	2251	39.43	2250.25	39.88	2250	39.89	2250
41.28	2249	41.94	2248.38	42.39	2248	42.99	2247.44	43.42	2247
43.52	2246.91	44.47	2246	45.41	2245.11	45.57	2245	47.04	2244.14
47.18	2244.07	47.36	2244	48.35	2243.9	48.58	2243.89	49.3	2243.97
49.59	2244	49.69	2244	49.83	2244	49.92	2244	50.02	2244
50.09	2244	50.63	2243.73	51.59	2243.18	51.93	2243	56.95	2242.37
61.37	2242.32	61.62	2242.3	64.79	2242.25	68.01	2242.31	69.97	2242.32
72.71	2242.69	74.91	2243	76.08	2243.3	76.78	2243.49	78.49	2244
80.19	2244.34	84.51	2245	84.58	2245.04	86.51	2246	87.17	2246.51
87.86	2247	88.52	2247.53	89.23	2248	89.73	2248.35	90.63	2249
90.92	2249.2	91.41	2249.55	92	2250	92.64	2250.49	93.54	2251
94.79	2251.43	96.27	2252	97.98	2252.58	99.23	2253	101.77	2253.88
102.14	2254	102.9	2254.25	103.25	2254.39	104.67	2255	105.97	2255.66
106.6	2256	106.69	2256.05	108.2	2256.63	108.95	2256.92	108.98	2256.93
109.15	2257	109.93	2257.32	111.05	2257.78	111.06	2257.78	111.55	2258
112.72	2258.01	116.84	2258.03	118.39	2258.03	122.29	2258	122.85	2257.35
123.14	2257	123.79	2256.25	123.98	2256	124.69	2255.03	124.72	2255
124.98	2254.68	125.62	2254	126.05	2253.54	126.57	2253.08	126.64	2253
126.72	2252.93	127.76	2252	128.51	2251.18	128.72	2251	130.02	2250.48
130.37	2250.27	130.55	2250	132.36	2249.8	132.65	2249.78	134.23	2249.58
136.26	2249.67	139.4	2249.9	139.47	2249.9	140.02	2250	141.32	2250.28
144.55	2251	148.04	2251.96	148.1	2251.98	148.11	2251.98	148.13	2252
148.13	2252.01	149.17	2253	149.94	2253.82	150.14	2254	150.31	2254.17
151.07	2255	151.34	2255.41	151.93	2256	152.8	2256.88	152.9	2257
152.98	2257.09	153.74	2258	158.82	2258.17	162.91	2258.3		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	27.88	.027	111.06	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
27.88	111.06	107.48	108.95	103.44	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2252.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.77	Wt. n-Val.		0.027	
W.S. Elev (ft)	2249.48	Reach Len. (ft)	107.48	108.95	103.44
Crit W.S. (ft)	2249.48	Flow Area (sq ft)		274.52	
E.G. Slope (ft/ft)	0.006839	Area (sq ft)		274.52	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	50.70	Top Width (ft)		50.70	
Vel Total (ft/s)	13.35	Avg. Vel. (ft/s)		13.35	
Max Chl Dpth (ft)	7.23	Hydr. Depth (ft)		5.41	
Conv. Total (cfs)	44318.8	Conv. (cfs)		44318.8	
Length Wtd. (ft)	108.95	Wetted Per. (ft)		54.64	
Min Ch El (ft)	2242.25	Shear (lb/sq ft)		2.15	
Alpha	1.00	Stream Power (lb/ft s)	162.91	0.00	0.00
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	4.96	19.52	0.67
C & E Loss (ft)	0.40	Cum SA (acres)	2.39	3.63	1.47

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program
defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 2560

INPUT
Description:
Station Elevation Data num= 120

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2251.59	.08	2251.6	1.8	2251	4.5	2250.96	8.02	2250.95
9.85	2250.97	12.5	2250.98	13.61	2250.99	14.94	2251	15.77	2251.02
17.33	2251.05	19.05	2251.02	20.12	2251.08	20.33	2251.09	20.34	2251.09
20.48	2251	20.54	2250.93	22.37	2250.37	23.84	2250	26.03	2249.47
27.86	2249	28.23	2248.8	29.6	2248	30.27	2247.49	30.84	2247
31.64	2246.32	32.01	2246	32.98	2245.23	33.22	2245	34.44	2244.05
34.5	2244	34.65	2243.87	35.94	2243	36.92	2242.32	37.28	2242
38.09	2241.6	38.42	2241.44	39.29	2241	40.21	2240.42	41.18	2239.9
42.2	2239.36	44.33	2238.69	51.86	2238.74	52.35	2238.75	56.53	2239.91
56.68	2239.91	57.18	2240.1	58.21	2240.43	59.85	2241	60.61	2241.23
63.65	2242	63.84	2242	66.42	2242.1	72.01	2242.28	86.22	2242.66
86.83	2242.67	91.7	2242.78	91.76	2242.78	91.81	2242.79	91.94	2242.79
91.98	2242.79	95.38	2243	95.41	2243	95.43	2243	97.43	2243
99.07	2243	101.32	2243	102.25	2243.36	104.35	2244	108.47	2244.87
110.13	2245	113.23	2245.6	115.07	2245.98	115.18	2246	116.23	2246.35
118.19	2247	119.7	2247.74	120.28	2248	120.45	2248.14	120.87	2248.49
121.54	2249	121.87	2249.41	122.22	2249.8	122.35	2250	122.61	2250.33
123.18	2251	123.21	2251.03	124.11	2252	124.43	2252.32	125.08	2253
125.37	2253.33	126.04	2254	126.38	2254.26	127.4	2255	128.47	2255.02
129.39	2255.02	129.55	2255.03	129.77	2255.03	131.93	2255.24	134.45	2255.44
135.26	2255.47	140.42	2255.53	141.18	2255.56	143.34	2255.62	146.05	2255.7
147.31	2255.75	149.21	2255.83	153.01	2255.99	153.02	2255.99	153.03	2255.99
153.16	2256	163.51	2256.28	166.36	2256.35	168.8	2256.39	192.08	2256.75
199	2256.86	210.47	2257	210.48	2257	210.5	2257	223.12	2257.14

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	20.12	.027	129.55	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
20.12	129.55	118.77	116.3	120.85	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2248.15	Element			
Vel Head (ft)	1.42	Wt. n-Val.		0.027	
W.S. Elev (ft)	2246.72	Reach Len. (ft)	118.77	116.30	120.85
Crit W.S. (ft)		Flow Area (sq ft)		382.78	
E.G. Slope (ft/ft)	0.004363	Area (sq ft)		382.78	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	86.19	Top Width (ft)		86.19	
Vel Total (ft/s)	9.57	Avg. Vel. (ft/s)		9.57	
Max Chl Dpth (ft)	8.03	Hydr. Depth (ft)		4.44	
Conv. Total (cfs)	55484.2	Conv. (cfs)		55484.2	
Length Wtd. (ft)	116.30	Wetted Per. (ft)		89.55	
Min Ch El (ft)	2238.69	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)	223.12	0.00	0.00
Frctn Loss (ft)	0.12	Cum Volume (acre-ft)	4.96	18.70	0.67
C & E Loss (ft)	0.36	Cum SA (acres)	2.39	3.46	1.47

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 2444

INPUT
Description:
Station Elevation Data num= 123

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2251	1.03	2251	1.56	2250.86	4.78	2250.04	4.95	2250
9.14	2249.64	12.41	2249.44	14.21	2249.35	14.87	2249.26	16.78	2249
19.12	2248.29	20.32	2248	21.11	2247.77	25.13	2247	25.29	2246.79
26.1	2246	26.5	2245.5	26.88	2245	27.24	2244.34	27.47	2244
28.01	2243.2	28.18	2243	28.34	2242.81	28.94	2242	29.53	2241.18
29.65	2241	29.78	2240.86	30.44	2240	32.14	2239.13	32.26	2239
34.99	2238.1	35.31	2238	35.44	2238	35.54	2238	35.66	2238
35.7	2238	38.81	2237.96	40.99	2237.97	43.27	2237.97	46.81	2238

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   51.77 2238.04   52.06 2238.04   52.89 2238.03   60.78  2238.1   60.83  2238.1
   61.34  2238.1    61.9 2238.11   62.14 2238.22   63.73 2238.32   69.23 2238.77
   69.27 2238.77   78.14 2239.32   79.43 2239.68   80.53 2239.74   81.28 2239.78
      83    2240   84.89 2240.17   88.33 2240.49   89.49 2240.62   93.35    2241
   98.61 2241.48  102.22  2241.8  103.02 2241.87  103.43 2241.91  104.54    2242
  111.71 2242.72  112.29 2242.75  113.63 2242.87  114.08 2242.87  115.18 2242.89
  116.08 2242.89  116.87 2242.87  117.73 2242.85  118.58 2242.82  119.31 2242.79
  119.78 2242.78  126.28 2242.48  132.43 2242.43  137.45  2242.4   138.7 2242.41
  144.84 2242.48  151.08 2242.61  163.09 2242.92  163.53 2242.93  165.96    2243
  167.88 2243.24  173.82    2244  176.82 2244.94  176.99    2245  177.24  2245.2
  178.28    2246  179.02 2246.67  179.39    2247  180.13 2247.67  180.49    2248
  180.87 2248.34  181.29 2248.72  181.61    2249  182.41 2249.73  182.72    2250
  183.56 2250.77  183.83    2251  184.72 2251.83  184.94    2252  185.16 2252.23
  186.03    2253  186.43  2253.4  187.09    2254  187.11    2254  187.12    2254
  187.39 2254.01  188.31 2254.01  188.52 2254.01  193.29 2254.17  199.37 2254.36
  199.82 2254.37  200.13 2254.38  214.15 2254.46  224.73 2254.62  230.59  2254.7
   235.3 2254.73  239.56  2254.7  245.09 2254.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   14.87    .027  180.87    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         14.87  180.87            61.49   79.26  140.11             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2247.67    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.22    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2247.45    Reach Len. (ft)            61.49     79.26     140.11
  Crit W.S. (ft)                      Flow Area (sq ft)                   971.60
  E.G. Slope (ft/ft)       0.000433   Area (sq ft)                        971.60
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)            157.08    Top Width (ft)                      157.08
  Vel Total (ft/s)             3.77    Avg. Vel. (ft/s)                    3.77
  Max Chl Dpth (ft)            9.49    Hydr. Depth (ft)                    6.19
  Conv. Total (cfs)       176185.0    Conv. (cfs)                       176185.0
  Length Wtd. (ft)            79.26    Wetted Per. (ft)                    162.45
  Min Ch El (ft)           2237.96    Shear (lb/sq ft)                      0.16
  Alpha                        1.00    Stream Power (lb/ft s)    245.09      0.00       0.00
  Frctn Loss (ft)              0.04    Cum Volume (acre-ft)        4.96      16.89       0.67
  C & E Loss (ft)              0.02    Cum SA (acres)              2.39       3.13       1.47


CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 2365

INPUT
Description:
Station Elevation Data    num=     107
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2251.21     .33 2251.22     .36 2251.22     .45 2251.21    1.64    2251
    2.47  2250.8    7.88    2250    8.31  2249.9   12.08 2249.29   12.15 2249.28
    13.9    2249   15.07 2248.63   17.57    2248   19.12 2247.61    21.5    2247
   23.67 2246.44   25.34    2246   27.31 2245.39   28.54    2245   30.21 2244.13
    30.4    2244   31.01 2243.67   32.09    2243   32.42  2242.8   33.52 2242.22
   33.88    2242   34.49 2241.63   35.39    2241   36.39 2240.87   41.55    2240
   42.61 2239.84   46.15    2239    46.8  2238.6   47.86    2238   48.72 2237.54
   49.61    2237    55.5 2236.23   55.89 2236.15   56.97    2236   57.88    2236
   60.05    2236   61.98    2236   62.37    2236   71.28 2236.78   77.85  2237.9
   78.75 2238.04   79.58 2238.16   86.04  2238.8   89.92 2239.29   101.4    2241
  112.56 2241.99  112.85    2242  112.92 2242.03  114.44    2243  114.87 2243.56
  115.46    2244  116.11 2244.61  116.53    2245  117.54 2245.99  117.56    2246
  118.86 2246.97  118.89 2246.98  118.92    2247  120.19 2247.71  120.83    2248
  121.02 2248.08  123.17    2249  124.24 2249.44   125.5    2250  127.96 2250.48
  128.88    2251  134.51 2251.27  135.89 2251.33  137.07 2251.38  137.12 2251.39
  137.17 2251.39  146.33    2252  147.53 2252.09  155.09 2252.64  159.35 2252.95
  160.13    2253  161.82 2253.11  167.99 2253.44  176.22    2254  184.19 2254.57
  187.98 2254.88  189.71    2255  200.29 2255.79  202.74 2255.98  202.97    2256
  206.17 2256.17  208.77  2256.3  214.25 2256.62  221.17    2257  227.28 2257.28
  234.66  2257.6  243.97    2258   248.3  2258.2  249.09 2258.23  250.51 2258.29
  254.43 2258.45  256.87 2258.53  270.05    2259  291.93 2259.92  293.63    2260
  300.61 2260.31  306.52 2260.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   12.08    .027  118.89    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         12.08  118.89            95.42  111.04  107.38             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2247.61    Element                  Left OB    Channel   Right OB
```

Vel Head (ft)	0.41	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2247.19	Reach Len. (ft)	95.42	111.04	107.38
Crit W.S. (ft)		Flow Area (sq ft)		711.01	0.04
E.G. Slope (ft/ft)	0.000664	Area (sq ft)		711.01	0.04
Q Total (cfs)	3665.00	Flow (cfs)		3664.99	0.01
Top Width (ft)	98.52	Top Width (ft)		98.14	0.38
Vel Total (ft/s)	5.15	Avg. Vel. (ft/s)		5.15	0.22
Max Chl Dpth (ft)	11.19	Hydr. Depth (ft)		7.24	0.11
Conv. Total (cfs)	142272.6	Conv. (cfs)		142272.3	0.3
Length Wtd. (ft)	111.04	Wetted Per. (ft)		102.56	0.43
Min Ch El (ft)	2236.00	Shear (lb/sq ft)		0.29	0.00
Alpha	1.00	Stream Power (lb/ft s)	306.52	0.00	0.00
Frctn Loss (ft)	0.17	Cum Volume (acre-ft)	4.96	15.36	0.67
C & E Loss (ft)	0.26	Cum SA (acres)	2.39	2.90	1.47

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 2254

INPUT
Description:
Station Elevation Data num= 111

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2250.6	4.1	2251	6.51	2251.04	8.14	2251.06	13.28	2251.15
19.12	2251.24	19.13	2251.24	28.58	2251.08	33.51	2251	34.92	2250.66
37.65	2250	39.55	2249.6	45.04	2249.13	46.69	2249	51.22	2248.67
51.39	2248.66	54.44	2248	55.53	2247.67	57.69	2247	59.52	2246.38
60.71	2246	63.19	2245.21	63.84	2245	66.54	2244.11	66.89	2244
68.21	2243.59	69.89	2243.02	69.93	2243	69.98	2242.98	72.64	2242
74.14	2241.44	75.24	2241	75.39	2240.95	77.8	2240	78.44	2239.79
80.55	2239	81.73	2238.65	83.49	2238	85.21	2237.48	85.75	2237
86.66	2236.55	87.63	2236	89.25	2235.21	89.62	2235	90.34	2234.71
90.8	2234.63	91.68	2234.54	94.65	2234.34	95.12	2234.3	97.02	2234.22
98.26	2234.18	99.24	2234.17	99.71	2234.2	100.07	2234.3	100.86	2235
102.11	2235.92	102.19	2236	102.25	2236.06	104.51	2237	105.94	2237.59
106.32	2238	106.6	2238.48	107.19	2239	107.5	2239.65	107.79	2240
108.38	2240.93	108.43	2241	109.16	2241.78	109.29	2242	109.42	2242.14
109.88	2242.96	109.9	2243	109.96	2243.1	110.7	2244	111.21	2244.74
111.45	2245	111.51	2245.09	112.22	2246	112.4	2246.23	113	2247
113.28	2247.39	113.75	2248	114.19	2248.64	114.46	2249	114.78	2249.42
115.06	2250	115.49	2250.19	116.4	2251	121.85	2251.25	129.55	2252
144.99	2252.98	145.24	2253	145.71	2253.03	162.46	2254	175.75	2254.74
180.06	2255	192.32	2255.72	196.85	2256	204.14	2256.44	214.36	2257
229.46	2257.64	236.88	2258	246.51	2258.32	263.85	2258.83	269.63	2259
283.75	2259.35	291.72	2259.54	296.39	2259.65	310.51	2260	318.2	2260.21
321.32	2260.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	51.22	.027	109.88	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
51.22	109.88	90.36	91.28	88.48	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2247.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.02	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2244.16	Reach Len. (ft)	90.36	91.28	88.48
Crit W.S. (ft)	2244.16	Flow Area (sq ft)		262.91	0.55
E.G. Slope (ft/ft)	0.006850	Area (sq ft)		262.91	0.55
Q Total (cfs)	3665.00	Flow (cfs)		3664.02	0.98
Top Width (ft)	44.42	Top Width (ft)		43.49	0.93
Vel Total (ft/s)	13.91	Avg. Vel. (ft/s)		13.94	1.78
Max Chl Dpth (ft)	9.99	Hydr. Depth (ft)		6.05	0.59
Conv. Total (cfs)	44283.4	Conv. (cfs)		44271.6	11.8
Length Wtd. (ft)	91.28	Wetted Per. (ft)		49.12	1.52
Min Ch El (ft)	2234.17	Shear (lb/sq ft)		2.29	0.15
Alpha	1.00	Stream Power (lb/ft s)	321.32	0.00	0.00
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	4.96	14.12	0.67
C & E Loss (ft)	0.18	Cum SA (acres)	2.39	2.72	1.47

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program
defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 2162

INPUT
Description:
Station Elevation Data num= 150

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2250.64	3.6	2250.63	8.07	2251	8.13	2251.07	8.16	2251.07
8.99	2251.07	10.14	2251	15.51	2250.93	20.42	2250.92	22.75	2250.95
25.68	2250.96	30.39	2251	30.4	2251.04	30.43	2251.04	30.59	2251.04
30.73	2251	31.48	2250.77	33.31	2250	37.48	2249.51	41.47	2249.04
42.71	2249	42.98	2249	43.96	2248.89	45.32	2248.68	47.81	2248
50.4	2247.19	50.99	2247	54.36	2246.05	54.51	2246	55.39	2245.76
57.56	2245	58.09	2244.83	61.11	2244	61.17	2243.98	64.3	2243
64.54	2242.92	67.3	2242	68.71	2241.61	70.74	2241	73.69	2240.16
74.23	2240	74.97	2239.79	77.63	2239.26	79.05	2239	79.34	2239
79.47	2239	81.53	2238.85	83.82	2238.71	88.71	2238.23	89.48	2238.16
91.13	2238	92.12	2237.93	93.08	2237.86	95.66	2237.7	96.42	2237.64
96.99	2237.57	97.63	2237	98.37	2236.65	99.76	2236	100.88	2235.27
101.06	2235	101.7	2234.71	103.66	2234	104.39	2233.46	105.25	2233
106.74	2232.2	107.46	2232.16	108.64	2232.23	113.49	2232.67	114.17	2232.73
114.77	2232.76	115.53	2232.81	116.02	2232.86	116.28	2232.88	116.64	2233
118.23	2233.97	118.28	2234	118.31	2234.03	119.14	2234.52	119.55	2234.8
119.85	2235	120.83	2235.65	121.33	2236	121.76	2236.28	122.82	2237
123.5	2237.5	124.26	2238	125.63	2238.99	125.64	2239	125.67	2239.01
128.71	2240	129.6	2240.9	129.73	2241	129.86	2241.1	131.07	2241.97
131.11	2242	131.98	2242.68	132.42	2243	133.63	2243.86	133.74	2243.93
133.78	2243.95	133.89	2244	134.16	2244.19	135.43	2245	135.98	2245.46
136.62	2246	136.78	2246.14	136.91	2246.25	137.51	2246.73	137.85	2247
137.9	2247.04	138.4	2247.37	138.9	2247.74	139.27	2248	139.76	2248.41
139.8	2248.43	139.89	2248.41	140.76	2248.91	143.49	2248.79	144.56	2248.78
145.63	2248.82	148.4	2249	150.42	2249.08	151.04	2249.1	152.93	2249.18
154.33	2249.27	155.99	2249.34	159.53	2249.55	161.04	2249.66	165.58	2250
179.38	2250.96	179.96	2251	180.06	2251.01	192.67	2252	202.61	2252.7
206.6	2253	213.82	2253.5	216.53	2253.67	222.29	2254	227.68	2254.27
241.6	2255	250.69	2255.45	262.35	2256	284.93	2256.89	288.43	2257
292.68	2257.14	297.66	2257.29	304.55	2257.47	326.55	2258	355.79	2258.73

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	37.48	.027	129.86	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
37.48	129.86	164.55	201.48	186.31	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2244.09	Element			
Vel Head (ft)	2.41	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2241.68	Reach Len. (ft)	164.55	201.48	186.31
Crit W.S. (ft)	2241.68	Flow Area (sq ft)		294.02	0.24
E.G. Slope (ft/ft)	0.006966	Area (sq ft)		294.02	0.24
Q Total (cfs)	3665.00	Flow (cfs)		3664.68	0.32
Top Width (ft)	62.22	Top Width (ft)		61.41	0.81
Vel Total (ft/s)	12.46	Avg. Vel. (ft/s)		12.46	1.35
Max Chl Dpth (ft)	9.52	Hydr. Depth (ft)		4.79	0.29
Conv. Total (cfs)	43911.9	Conv. (cfs)		43908.1	3.8
Length Wtd. (ft)	201.47	Wetted Per. (ft)		65.77	1.00
Min Ch El (ft)	2232.16	Shear (lb/sq ft)		1.94	0.10
Alpha	1.00	Stream Power (lb/ft s)	355.79	0.00	0.00
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	4.96	13.54	0.67
C & E Loss (ft)	0.43	Cum SA (acres)	2.39	2.61	1.47

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

```
RIVER: GilmanCreek
REACH: GilmanGreek        RS: 1961

INPUT
Description:
Station Elevation Data    num=     101
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2249.99    1.51    2250    2.34 2250.01    3.43 2250.01    5.17    2250
    5.31    2250    5.45    2250    5.71 2249.99   15.26 2249.88    25.1    2250
   25.21    2250    25.6 2250.01   25.72 2250.01      26    2250   27.25 2249.54
   29.24    2249   31.43  2248.3   32.26    2248   34.23 2247.32   35.01    2247
   36.45 2246.68   38.92    2246   43.67 2245.09   44.12 2245.01   44.18    2245
    44.3 2244.99   52.66    2244   58.24 2243.42   63.02    2243   65.94 2242.75
   74.11    2242    75.5  2241.4   76.56    2241   77.49 2240.53    78.5    2240
   79.62 2239.43   80.55    2239   81.48 2238.49    82.3    2238    83.4 2237.45
   84.31    2237    85.5 2236.41   86.27    2236   87.22 2235.52   88.47    2235
   90.07 2234.15    90.4    2234   103.2    2228  108.35    2228   116.9    2228
     131    2231  136.01 2231.52  136.77 2231.53  137.59 2231.55  144.27    2232
  144.53 2232.07  144.64 2232.12  145.15 2232.36  146.25    2233  147.48 2233.79
   147.8    2234  148.51 2234.39  149.48    2235  150.41 2235.53  150.78 2235.76
  151.17    2236  152.42 2236.72  152.83    2237  153.68 2237.57  154.25    2238
   154.8 2238.44  155.53    2239  156.29 2239.62  156.86    2240  157.86 2240.68
  158.15 2240.82  158.51    2241  159.13 2241.31  159.82 2241.64  160.34 2241.86
  160.74    2242   161.9 2242.44  163.54    2243  163.62 2243.03  163.88 2243.11
  164.99 2243.54  165.32 2243.73  165.83    2244  165.96    2244  166.22 2244.01
  169.61  2244.1   178.4 2244.35  181.81 2244.45  184.26 2244.53  199.55    2245
  206.47 2245.18  233.38    2246   236.5 2246.11  259.57    2247  270.68 2247.59
  274.45 2247.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   43.67    .027  150.78    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         43.67  150.78           159.91   145.1  155.03             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2238.74    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.99    Wt. n-Val.                            0.027      0.035
  W.S. Elev (ft)           2237.76    Reach Len. (ft)          159.91     145.10     155.03
  Crit W.S. (ft)                      Flow Area (sq ft)                   458.99       3.27
  E.G. Slope (ft/ft)       0.001762   Area (sq ft)                        458.99       3.27
  Q Total (cfs)            3665.00    Flow (cfs)                         3659.66       5.34
  Top Width (ft)             71.14    Top Width (ft)                       67.99       3.15
  Vel Total (ft/s)            7.93    Avg. Vel. (ft/s)                      7.97       1.63
  Max Chl Dpth (ft)           9.76    Hydr. Depth (ft)                      6.75       1.04
  Conv. Total (cfs)        87302.8    Conv. (cfs)                        87175.6      127.2
  Length Wtd. (ft)          145.11    Wetted Per. (ft)                     71.59       3.73
  Min Ch El (ft)           2228.00    Shear (lb/sq ft)                      0.71       0.10
  Alpha                       1.01    Stream Power (lb/ft s)    274.45      0.00       0.00
  Frctn Loss (ft)             0.46    Cum Volume (acre-ft)         4.96     11.80       0.67
  C & E Loss (ft)             0.17    Cum SA (acres)               2.39      2.31       1.46


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 1816

INPUT
Description:
Station Elevation Data    num=      96
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2249.01     .14 2249.01    4.02    2249    5.02    2249    5.18    2249
   11.23    2249   12.97    2249   13.41    2249   13.82    2249   14.36    2249
    14.6 2249.01    14.9 2249.03   15.23 2249.02   15.67    2249   17.98 2248.06
   18.13    2248   20.58    2247    20.6    2247   20.68 2246.96   23.13    2246
   25.45 2245.24   26.07    2245   28.67 2244.07   28.85    2244   30.17 2243.53
   31.57    2243   31.67 2242.96   34.23    2242   35.84 2241.82   41.64    2241
   52.14 2240.09   53.27    2240    56.8 2239.51   57.52 2239.41   57.97 2239.34
   58.96  2239.2    60.3    2239   60.73 2238.92   60.95 2238.87   61.72 2238.66
   61.95  2238.6    64.1    2238   64.29 2237.95   67.53    2237   70.17 2236.28
   71.19    2236   72.59 2235.59  107.46 2226.75   116.9    2225  124.28    2235
  124.86 2235.71  125.12    2236  125.25 2236.24  126.19    2237  126.48 2237.28
  127.13    2238  127.75 2238.64  128.24    2239  128.55 2239.39  129.24    2240
  130.04 2240.87  130.18    2241  131.04 2241.96  131.09    2242  131.21    2242
  131.57    2242  132.12    2242  133.46    2242  134.06    2242  134.55    2242
  135.57    2242  135.58    2242  135.65    2242  136.54    2242  137.41    2242
  139.87 2241.95  140.43 2241.95  145.16 2241.86  147.65 2241.88  151.59 2241.89
     152 2241.89  152.82  2241.9  153.83  2241.9  157.55 2241.97  158.59    2242
  159.54 2242.05  163.23 2242.24   173.1 2242.75  178.69    2243  190.14 2243.52
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  200.86    2244  212.98 2244.54     223    2245  237.66 2245.67  246.25    2246
  250.11 2246.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035    56.8    .027  134.55    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          56.8  134.55           178.14   166.2  165.36             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2238.11    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.73    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2235.39    Reach Len. (ft)          178.14     166.20     165.36
  Crit W.S. (ft)           2235.39    Flow Area (sq ft)                   276.62
  E.G. Slope (ft/ft)      0.007164    Area (sq ft)                        276.62
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             51.19    Top Width (ft)                       51.19
  Vel Total (ft/s)           13.25    Avg. Vel. (ft/s)                     13.25
  Max Chl Dpth (ft)          10.38    Hydr. Depth (ft)                      5.40
  Conv. Total (cfs)        43302.2    Conv. (cfs)                        43302.2
  Length Wtd. (ft)          166.20    Wetted Per. (ft)                     57.66
  Min Ch El (ft)           2225.00    Shear (lb/sq ft)                      2.15
  Alpha                       1.00    Stream Power (lb/ft s)    250.11      0.00       0.00
  Frctn Loss (ft)             1.16    Cum Volume (acre-ft)        4.96     10.57       0.66
  C & E Loss (ft)             0.01    Cum SA (acres)              2.39      2.11       1.45


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 1650

INPUT
Description:
Station Elevation Data    num=     134
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2237     .53    2237    3.72    2237   13.33 2236.98    14.3 2236.98
    37.4  2236.9   37.93  2236.9   38.45  2236.9   52.98    2237   56.07 2237.04
   56.54 2237.04   63.91 2237.09   63.99 2237.09   70.43  2237.1   70.74  2237.1
   76.85 2237.09   83.21 2237.07   85.42 2237.06   93.35    2237  100.27 2236.99
   104.3    2237  105.18    2237  105.56    2237  106.83    2237  107.47    2237
  109.01    2237  109.33    2237  109.41    2237  111.43    2237  111.71    2237
   112.2    2237  112.32    2237  112.43    2237  113.68 2237.03  117.86 2237.11
  119.87 2237.11  120.54 2237.06  121.23    2237  122.08  2236.8   128.3    2236
     131 2235.21  131.69    2235  134.17 2234.23  134.92    2234  137.35 2233.25
  138.15    2233  140.51 2232.27  141.37    2232  143.67 2231.29   144.6    2231
  146.81  2230.3  147.78    2230  149.93 2229.32  150.95    2229  152.61 2228.51
  154.26    2228  156.66 2227.28  157.51    2227   158.4 2226.71  160.72    2226
  163.34  2225.3  164.37    2225  165.13 2224.87  167.81    2224  169.48 2223.14
  169.82    2223   170.7 2222.98  171.15 2222.98  176.05 2222.89  176.83 2222.88
  177.99 2222.86  180.92 2222.91  186.12    2223  186.94 2223.39  189.52 2225.09
  193.74 2229.18  193.95 2229.33  194.77 2230.23  195.55    2231   195.8 2231.23
  196.57    2232  197.03 2232.42  197.59    2233  197.89 2233.26  198.11 2233.46
  198.63    2234   199.2  2234.5  199.73    2235  200.43 2235.64  200.76    2236
  201.07 2236.35  201.83    2237  203.14 2237.89  204.01 2237.95  204.24 2237.96
  204.39 2237.97  205.84 2237.97  207.91 2237.96  210.22 2237.97  212.25    2238
  212.67 2238.01  216.98 2238.13  217.11 2238.13  217.25 2238.13  219.34 2238.18
  223.47 2238.28  232.58 2238.44  234.32 2238.47  235.22 2238.49  236.66 2238.49
   237.6 2238.51  238.82  2238.5  239.89 2238.49  240.98 2238.49   244.9  2238.4
  246.16 2238.39  253.32 2238.27  257.26  2238.2  261.41 2238.16  261.81 2238.16
  262.28 2238.16  266.12 2238.15  268.91 2238.17  279.75 2238.24  281.86 2238.23
  282.12 2238.23  282.41 2238.23  282.86 2238.23  291.69 2238.13  295.18 2238.14
   299.3 2238.19  310.45 2238.32  339.73 2238.13  340.82 2238.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  120.54    .027  197.89    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        120.54  197.89           126.82  113.39  113.92             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2233.83    Element                  Left OB    Channel   Right OB
```

Vel Head (ft)	2.70	Wt. n-Val.		0.027	
W.S. Elev (ft)	2231.13	Reach Len. (ft)	126.82	113.39	113.92
Crit W.S. (ft)	2231.13	Flow Area (sq ft)		277.73	
E.G. Slope (ft/ft)	0.006777	Area (sq ft)		277.73	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	51.50	Top Width (ft)		51.50	
Vel Total (ft/s)	13.20	Avg. Vel. (ft/s)		13.20	
Max Chl Dpth (ft)	8.27	Hydr. Depth (ft)		5.39	
Conv. Total (cfs)	44520.2	Conv. (cfs)		44520.2	
Length Wtd. (ft)	113.39	Wetted Per. (ft)		55.87	
Min Ch El (ft)	2222.86	Shear (lb/sq ft)		2.10	
Alpha	1.00	Stream Power (lb/ft s)	340.82	0.00	0.00
Frctn Loss (ft)	0.77	Cum Volume (acre-ft)	4.96	9.51	0.66
C & E Loss (ft)	0.01	Cum SA (acres)	2.39	1.91	1.45

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 1536

INPUT
Description:
Station Elevation Data num= 127

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2233.99	.05	2233.99	.13	2233.99	3.34	2234	4.45	2234
5.55	2234	6.96	2234	8.13	2234	8.29	2234	36.29	2234.37
50.4	2234.54	50.58	2234.54	51.05	2234.54	59.2	2234.56	70.02	2234.67
71.74	2234.67	73.25	2234.69	74.85	2234.71	76.02	2234.73	80.76	2234.73
84.09	2234.77	86.46	2234.8	89.09	2234.85	96.19	2235	98.07	2235.02
101.21	2235.04	104.03	2235.03	107.19	2235.02	110.02	2235	113.27	2234.98
117.04	2234.97	121.06	2234.98	124.32	2234.99	127.31	2235	128.21	2235.08
128.42	2235.09	128.69	2235.08	130.06	2235.25	130.35	2235	130.58	2234.79
131.47	2234	132.31	2233.28	132.58	2233	133.01	2232.68	133.79	2232
134.3	2231.59	134.97	2231	135.79	2230.28	136.11	2230	137.73	2229.56
139	2229.19	139.49	2229	140.29	2228.7	142.5	2228	143.58	2227.62
145.39	2227	146.68	2226.54	147.97	2226	148.95	2225.66	150.87	2225
152.09	2224.56	153.66	2224	155.27	2223.42	156.43	2223	157.91	2222.47
158.88	2222	166.79	2221.95	167.71	2221.95	171.55	2221.97	171.61	2221.97
176.26	2222	176.92	2222.59	177.35	2223	178.07	2223.58	178.53	2224
179.26	2224.72	179.62	2225	180.52	2225.8	180.72	2226	181.62	2226.79
181.82	2227	182.64	2227.85	182.79	2228	183.71	2228.84	183.86	2229
184.77	2229.83	184.94	2230	185.83	2230.82	186.03	2231	186.89	2231.86
187.03	2232	187.17	2232.14	187.55	2232.5	188.09	2233	188.98	2233.83
189.16	2234	192.64	2234.17	192.81	2234.17	192.99	2234.17	206.72	2234.28
217.61	2234.34	217.68	2234.35	218.17	2234.34	218.25	2234.34	220.85	2234.3
223.82	2234.24	223.89	2234.24	223.97	2234.24	224.05	2234.24	224.18	2234.24
233.03	2234	253.26	2233.76	254.19	2233.75	259.6	2233.71	264.46	2233.68
270.45	2233.65	277.42	2233.65	294.3	2233.6	297.38	2233.6	313.03	2233.7
337.01	2233.93	337.49	2233.93	338.48	2233.94	338.8	2233.94	339.85	2233.95
340.56	2233.96	341.45	2233.96						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	124.32	.027	187.55	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
124.32	187.55	177.36	177.35	174.63	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2233.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.79	Wt. n-Val.		0.027	
W.S. Elev (ft)	2230.24	Reach Len. (ft)	177.36	177.35	174.63
Crit W.S. (ft)	2230.24	Flow Area (sq ft)		273.66	
E.G. Slope (ft/ft)	0.006814	Area (sq ft)		273.66	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	49.37	Top Width (ft)		49.37	
Vel Total (ft/s)	13.39	Avg. Vel. (ft/s)		13.39	
Max Chl Dpth (ft)	8.29	Hydr. Depth (ft)		5.54	
Conv. Total (cfs)	44398.5	Conv. (cfs)		44398.5	
Length Wtd. (ft)	177.35	Wetted Per. (ft)		54.07	
Min Ch El (ft)	2221.95	Shear (lb/sq ft)		2.15	
Alpha	1.00	Stream Power (lb/ft s)	341.45	0.00	0.00
Frctn Loss (ft)	1.21	Cum Volume (acre-ft)	4.96	8.80	0.66
C & E Loss (ft)	0.25	Cum SA (acres)	2.39	1.78	1.45

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth

for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program
defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 1359

INPUT
Description:
Station Elevation Data num= 156

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2230.3	2.43	2230.32	6.81	2230.36	32.16	2230.15	32.54	2230.15
33.03	2230.15	37.48	2230.1	37.87	2230.09	43.56	2230	44.21	2229.97
50.16	2229.94	54.9	2229.94	67.19	2230	71.36	2230.08	72.17	2230.1
79.07	2230.27	81.6	2230.33	84.04	2230.36	99.45	2230.67	102.61	2230.66
103	2230.66	103.4	2230.66	105.81	2230.63	107.34	2230.61	112.79	2230
114.74	2229.63	115.41	2229.51	119.33	2229	122.57	2228.39	123.76	2228
125.59	2227.37	126.71	2227	127.95	2226.56	129.78	2226	131.42	2225.4
132.7	2225	134.78	2224.23	135.44	2224	136.41	2223.69	138.4	2223
139.69	2222.61	143.01	2222	146.5	2221.42	148.46	2221	151.4	2220.44
151.92	2220.41	152.8	2220.39	153.07	2220.34	155.97	2220.21	157.57	2220.19
158.44	2220.39	158.46	2220.39	166.41	2220.38	188.04	2221.27	190.39	2222
192.39	2222.14	196.85	2222.48	201.89	2222.76	202.53	2222.92	202.97	2222.94
203.23	2222.96	203.28	2222.96	204.65	2223	207.38	2223.5	209.97	2224
212.99	2224.63	214.46	2224.94	214.78	2225	215.21	2225.09	215.69	2225.24
217.2	2225.67	218.05	2226	218.97	2226.37	220.37	2227	220.86	2227.22
222.07	2227.77	222.42	2227.93	222.55	2228	223.37	2228.4	224.44	2229
224.63	2229.11	226.27	2230	227.77	2230.83	228.18	2231	229.37	2231
234.58	2231.02	237.36	2231.03	238.15	2231.03	246.16	2231	247.7	2230.94
250.18	2230.85	252.65	2230.78	256.29	2230.73	259.52	2230.69	263.72	2230.69
264.15	2230.69	265.85	2230.68	272.13	2230.75	280.3	2230.89	280.53	2230.89
281.73	2230.92	284.45	2230.99	285.37	2230.99	286.54	2231	286.8	2231
286.92	2231	287.22	2231	287.29	2231	288.54	2231.01	288.83	2231.01
289.7	2231.01	291.5	2231.03	291.82	2231.03	292.06	2231.03	292.1	2231.03
293.14	2231.02	302.64	2231.38	303.16	2231.39	303.85	2231.42	319.56	2231.99
319.99	2231.99	320.52	2231.99	320.96	2231.98	321.91	2231.99	326.35	2231.99
327.93	2231.99	328.84	2231.99	328.98	2231.99	330.25	2232	331.17	2232
332.84	2232	332.88	2232	332.9	2232	332.92	2232	347.27	2232.95
349.06	2233	356.81	2233.5	365.04	2234	366.19	2234.09	366.62	2234.12
366.86	2234.13	379.41	2235	381.66	2235.17	393.51	2236	397.81	2236.38
405.57	2237	410.5	2237.5	416.1	2238	418.37	2238.22	427.38	2239
430.25	2239.29	435.23	2239.95	435.65	2240	436.37	2240.08	444.82	2241
447.07	2241.25								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	114.74	.027	212.99	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
114.74	212.99	205.95	205.68	217.03	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2227.73	Element			
Vel Head (ft)	1.96	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2225.76	Reach Len. (ft)	205.95	205.68	217.03
Crit W.S. (ft)	2225.76	Flow Area (sq ft)		325.04	2.76
E.G. Slope (ft/ft)	0.006846	Area (sq ft)		325.04	2.76
Q Total (cfs)	3665.00	Flow (cfs)		3658.08	6.92
Top Width (ft)	87.01	Top Width (ft)		82.56	4.45
Vel Total (ft/s)	11.18	Avg. Vel. (ft/s)		11.25	2.50
Max Chl Dpth (ft)	5.57	Hydr. Depth (ft)		3.94	0.62
Conv. Total (cfs)	44294.4	Conv. (cfs)		44210.8	83.6
Length Wtd. (ft)	205.69	Wetted Per. (ft)		83.65	4.60
Min Ch El (ft)	2220.19	Shear (lb/sq ft)		1.66	0.26
Alpha	1.01	Stream Power (lb/ft s)	447.07	0.00	0.00
Frctn Loss (ft)	1.47	Cum Volume (acre-ft)	4.96	7.58	0.65
C & E Loss (ft)	0.09	Cum SA (acres)	2.39	1.51	1.44

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

```
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 1153

INPUT
Description:
Station Elevation Data    num=     139
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2225.08    27.5 2225.03   28.17 2225.03   28.46 2225.03   31.43 2225.01
   31.47 2225.01    31.5 2225.01   53.01    2225   53.02    2225   53.05    2225
   56.32 2225.02   56.41 2225.02   56.53 2225.02   56.66 2225.02   56.75 2225.02
    56.9 2225.02   82.51 2225.28   89.41 2225.36   94.54 2225.42   95.06 2225.43
  116.77  2225.5   125.6 2225.35  142.94 2225.02  143.76    2225  145.05 2224.82
  145.46 2224.76  145.67 2224.73  148.54 2224.42  150.11    2224  153.59 2223.13
  154.04    2223  157.64 2222.08  157.89    2222  159.15 2221.66   161.7    2221
  165.21 2220.14  165.75    2220  169.51 2219.07  169.75    2219  169.91 2218.94
  172.51    2218  173.03 2217.75  174.41    2217  175.52 2216.46  176.53    2216
  177.67 2215.42  178.51    2215  180.06 2214.35  181.05 2214.39   182.4 2214.48
  184.75 2214.77  184.78 2214.77  185.47 2214.87  185.92 2214.85  186.32 2214.88
   186.6  2214.8   187.2    2214  187.55 2213.32  187.72    2213  187.99 2212.31
  188.06    2212  190.75 2211.89  193.85 2211.75  194.23 2211.76  195.03 2211.78
  198.44  2211.9   200.2    2212  200.42 2212.24  200.96    2213  201.24 2213.26
  201.75    2214  202.01 2214.35  202.55    2215  202.66 2215.16  203.17    2216
  203.48 2216.27  203.76    2217  204.06 2217.48  204.42    2218  204.81 2218.55
  205.15    2219  205.53 2219.55  205.87    2220  206.34 2220.58  206.66    2221
  206.96  2221.5  207.33    2222  207.73 2222.53  207.86 2222.72  208.06    2223
  208.46 2223.53   208.8    2224  209.27 2224.56  209.59    2225  210.01 2225.55
  210.28    2226  210.67  2226.5  211.01    2227  211.64 2227.74  212.19 2227.94
  212.44    2228  219.71 2228.59  224.76    2229  228.05 2229.26  236.38    2230
  242.59  2230.6  246.58    2231  254.61 2231.59  260.39    2232  265.54 2232.36
  275.22    2233  281.81 2233.47  289.61    2234  298.77 2234.46  301.58 2234.62
  308.85    2235  308.86    2235  308.87    2235  311.81 2235.02  312.54 2235.02
  314.06 2235.03  315.04 2235.04  315.78 2235.05  316.69 2235.05  317.01 2235.06
  320.06 2235.08  320.26 2235.08  323.15 2235.18  344.92 2235.93  346.27 2235.95
  346.76 2235.97   347.9    2236  348.04    2236  349.17 2236.01  350.11 2236.01
   363.2 2236.05  367.19 2236.07  368.99 2236.07   378.7 2236.51

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  145.46    .027  207.86    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        145.46  207.86           122.47  118.96  118.07             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2224.41    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.87    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2221.54    Reach Len. (ft)          122.47     118.96     118.07
  Crit W.S. (ft)           2221.54    Flow Area (sq ft)                   269.54
  E.G. Slope (ft/ft)      0.007416    Area (sq ft)                        269.54
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             47.38    Top Width (ft)                       47.38
  Vel Total (ft/s)           13.60    Avg. Vel. (ft/s)                     13.60
  Max Chl Dpth (ft)           9.79    Hydr. Depth (ft)                      5.69
  Conv. Total (cfs)        42557.4    Conv. (cfs)                       42557.4
  Length Wtd. (ft)           118.96   Wetted Per. (ft)                     55.47
  Min Ch El (ft)           2211.75    Shear (lb/sq ft)                      2.25
  Alpha                       1.00    Stream Power (lb/ft s)    378.70      0.00       0.00
  Frctn Loss (ft)             0.87    Cum Volume (acre-ft)        4.96      6.17       0.65
  C & E Loss (ft)             0.03    Cum SA (acres)              2.39      1.21       1.43


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 1034

INPUT
Description:
```

```
Station Elevation Data    num=     136
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2222.01    1.68 2222.01    1.71 2222.01    1.73 2222.01    3.85 2222.02
   11.41 2222.01   14.27 2222.02   18.75 2222.01   23.12    2222   27.42 2221.94
   31.89  2221.9   36.07 2221.88   52.35    2222   81.65 2222.22   83.59 2222.29
   84.51 2222.32   85.08 2222.33   86.34 2222.36   87.92 2222.41   88.16 2222.41
   89.83 2222.46   93.19 2222.54   95.01 2222.58    96.5 2222.59    98.6 2222.66
   103.3 2222.64  110.02 2222.51   112.8 2222.38  113.88 2222.36  117.84 2222.16
  118.51 2222.14  120.12 2222.06  121.36    2222  122.71 2221.96  124.15 2221.92
  126.29 2221.98  126.81    2222  127.01    2222  129.16 2222.01  130.61    2222
  131.65    2222  131.96    2222  132.13 2221.91   133.9    2221  135.67 2220.09
  135.85    2220   136.1 2219.88  137.81    2219   138.1 2218.85   139.8    2218
  140.04 2217.88  142.05    2217  142.53 2216.57  143.93    2216  144.44 2215.51
  144.85    2215  145.17 2214.67  145.84    2214  146.42 2213.44  146.89    2213
  147.59 2212.26  147.85    2212  148.39 2211.48  148.66    2211   148.9 2210.66
  149.11    2210   149.7    2210  151.95 2209.99  152.03 2209.99  152.88 2209.99
  153.17 2209.99   157.2    2210  159.37 2210.64  159.41 2210.66  160.62    2211
  163.13 2211.76  164.02    2212  166.88 2212.81  167.32    2213  169.66 2213.58
  170.99    2214  172.64 2214.49  174.44    2215  174.77 2215.54   175.5    2216
  175.69 2216.51  176.01    2217  176.33 2217.66   176.5    2218  176.89 2218.82
  176.98    2219  177.43 2219.82  177.55    2220  177.61 2220.15  178.08    2221
  178.55 2221.85  178.63    2222  179.06 2222.95  179.08    2223  179.48    2223
  179.74    2223  179.75    2223  180.23    2223  180.43    2223  181.83    2223
  186.44 2223.01  188.16 2223.01  190.65 2223.01   192.5 2223.01  192.81 2223.01
  200.95 2223.25   206.5 2223.25  212.04 2223.27  220.11 2223.36  238.51 2223.67
  241.07  2223.7  247.23 2223.72  255.16 2223.83  256.04 2223.84  262.73    2224
  274.28  2224.3  279.52 2224.43  289.64 2224.64  298.22 2224.84  303.58    2225
   317.6 2225.52  330.73    2226  338.36 2226.32  358.13    2227  365.27 2227.26
  374.51 2227.62  376.05 2227.69  377.76 2227.79  381.08    2228  384.02 2228.18
  387.33 2228.37

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  120.12    .027  179.75    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        120.12  179.75           111.19   109.8  110.16             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2222.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               3.18    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2219.68    Reach Len. (ft)          111.19     109.80     110.16
  Crit W.S. (ft)           2219.68    Flow Area (sq ft)                   256.25
  E.G. Slope (ft/ft)      0.007239    Area (sq ft)                        256.25
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             40.85    Top Width (ft)                       40.85
  Vel Total (ft/s)           14.30    Avg. Vel. (ft/s)                     14.30
  Max Chl Dpth (ft)           9.69    Hydr. Depth (ft)                      6.27
  Conv. Total (cfs)        43076.8    Conv. (cfs)                       43076.8
  Length Wtd. (ft)           109.80   Wetted Per. (ft)                     48.00
  Min Ch El (ft)           2209.99    Shear (lb/sq ft)                      2.41
  Alpha                       1.00    Stream Power (lb/ft s)    387.33      0.00       0.00
  Frctn Loss (ft)             0.77    Cum Volume (acre-ft)        4.96      5.46       0.65
  C & E Loss (ft)             0.19    Cum SA (acres)              2.39      1.09       1.43


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 924

INPUT
Description:
Station Elevation Data    num=     139
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2219.68    7.73 2219.74    8.54 2219.75     9.4 2219.75   13.09 2219.76
   20.93  2219.8   23.51 2219.81   26.77 2219.83   28.12 2219.83   29.67 2219.84
    32.4 2219.84   32.54 2219.84   32.69 2219.84    51.1 2219.84   70.03 2219.86
   76.83 2219.87   82.57 2219.99   83.65 2219.99   84.37 2219.99   86.61 2219.99
   88.94    2220   90.15    2220   90.52    2220   90.65    2220    90.9    2220
   92.21 2220.07   94.53 2220.19   95.35 2220.23   98.03 2220.33  108.37 2220.82
  115.51 2220.98  116.46    2221  116.95    2221   117.1    2221  117.25    2221
  117.92    2221  118.28    2221  118.47    2221  118.65    2221  119.04    2221
  119.97 2220.92  121.31  2220.8  122.19  2220.7  123.31 2220.58   124.1  2220.5
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  128.74    2220  128.76 2219.99  129.58  2219.7  131.99    2219  132.49 2218.64
  133.19    2218  133.92 2217.32  134.19    2217  134.93 2216.07  134.99    2216
  135.08 2215.91  136.05    2215  136.87 2214.05  136.93    2214  137.02 2213.91
  137.99    2213  138.49 2212.46  138.99    2212  139.24 2211.77  140.28    2211
   141.1 2210.13  141.27    2210  144.35 2209.97  144.71 2209.97  145.21 2209.96
  147.56 2209.93   151.7 2209.96  154.14    2210     156 2210.52  157.85    2211
  162.87 2211.49  171.78 2211.91  173.65    2212  181.48 2212.99   181.5 2212.99
  181.51    2213  181.52    2213  181.55    2213  181.59 2213.02  181.64 2213.05
  182.04 2213.25  183.08 2213.76  183.26 2213.84  183.38  2213.9  183.62    2214
  184.94 2214.59  185.85    2215  186.05  2215.1  186.33 2215.23  187.53 2215.77
     188    2216  189.17 2216.54  190.05    2217   191.2 2217.55  192.08    2218
  193.26  2218.6   194.1    2219  195.15 2219.51     196    2220  196.03    2220
  202.85 2220.63  206.85 2220.65  207.53  2220.7  211.18 2220.68  213.55 2220.78
  216.32 2220.73  216.72 2220.75  221.09  2220.8  224.51 2220.81   228.3 2220.76
  244.99 2220.47  258.43 2220.24  265.85 2220.12  274.87    2220  275.06    2220
  283.43 2219.89  298.45 2219.73   299.2 2219.73  304.41 2219.68  307.94 2219.67
  314.96 2219.69  329.04 2219.58  342.64 2219.59  345.43  2219.6  347.29 2219.62
  349.01 2219.64  352.27 2219.62  355.37 2219.61  382.16    2220  383.15 2220.02
  385.31 2220.06   416.2 2220.51  418.68 2220.54  421.69 2220.58

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  128.76    .027  196.03    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        128.76  196.03           117.76  115.32  116.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2219.68    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.55    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2217.13    Reach Len. (ft)          117.76     115.32     116.67
  Crit W.S. (ft)           2217.13    Flow Area (sq ft)                   286.20
  E.G. Slope (ft/ft)      0.006799    Area (sq ft)                        286.20
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             56.25    Top Width (ft)                       56.25
  Vel Total (ft/s)           12.81    Avg. Vel. (ft/s)                     12.81
  Max Chl Dpth (ft)           7.20    Hydr. Depth (ft)                      5.09
  Conv. Total (cfs)        44447.3    Conv. (cfs)                        44447.3
  Length Wtd. (ft)          115.40    Wetted Per. (ft)                     60.38
  Min Ch El (ft)           2209.93    Shear (lb/sq ft)                      2.01
  Alpha                       1.00    Stream Power (lb/ft s)    421.69       0.00       0.00
  Frctn Loss (ft)             0.55    Cum Volume (acre-ft)        4.96       4.77       0.65
  C & E Loss (ft)             0.46    Cum SA (acres)              2.39       0.96       1.43


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 809

INPUT
Description:
Station Elevation Data    num=     152
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2216.83    9.14 2216.82   10.62 2216.86   11.56 2216.88   13.52  2216.9
   15.57 2216.92   16.33 2216.94   16.85 2216.95   17.79 2216.95   19.85 2216.96
   21.38 2216.96   57.13 2216.99   57.29 2216.99   60.81    2217   62.76 2217.01
   67.86 2217.03   72.96 2217.07   78.64 2217.12   82.51 2217.16   87.07 2217.21
  120.98 2217.58   122.6 2217.59  124.37  2217.6   124.8  2217.6  125.23  2217.6
  140.22 2217.54   148.4 2217.54  156.44 2217.55  158.29 2217.53  159.36 2217.55
  160.48 2217.56  160.66 2217.56  160.82 2217.56  161.05 2217.56  161.59 2217.57
  162.12 2217.57  162.68 2217.57  180.26 2217.53  203.93 2217.57  204.11 2217.57
  204.22 2217.57   204.3 2217.57  217.63 2217.81  217.68 2217.82  217.73 2217.82
  217.78 2217.82  217.83 2217.82  226.31 2217.99  226.32 2217.99  226.87    2218
  226.91    2218  231.97 2218.02  232.81 2218.03   236.4 2218.01  237.24 2218.01
  238.02    2218   238.4 2217.88  241.16    2217   241.4 2216.92  241.81 2216.79
  244.38    2216   244.7 2215.99  244.97 2215.98  245.64 2215.95   245.7 2215.95
  245.76 2215.94  247.88  2215.7  248.83 2215.73  249.13 2215.67  249.47 2215.65
  249.76 2215.65  250.59 2215.72  253.94    2216  254.57 2216.05  255.48 2216.16
   257.5 2216.42  258.53 2216.56  259.43 2216.71  259.44 2216.71  259.46 2216.71
  259.48 2216.71  259.72 2216.74  259.79 2216.73  260.02 2216.74  260.23 2216.73
  261.78 2216.48  266.77 2215.47  279.08 2213.05  291.53 2210.41   297.4  2210.3
   300.8 2209.47  302.47 2209.05  302.61    2209  305.15 2209.97  307.92 2210.98
   309.7 2211.58   310.6 2211.93  310.78    2212  310.91 2212.05  314.05    2213
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  315.94 2213.28  316.46 2213.38  317.43 2213.52  321.24    2214  327.46 2214.35
  335.95    2215  337.96 2215.18  345.51 2215.82  347.61    2216  347.96 2216.12
  350.75    2217  352.46 2217.73   353.4    2218   378.6 2218.12  382.37 2218.14
  382.96 2218.14  383.13 2218.14  386.65 2218.13  387.93 2218.13  394.69 2218.34
  396.31 2218.32  411.59    2218  419.02 2217.91  421.82 2217.87  430.12 2217.78
  436.79  2217.7  441.04 2217.65  459.95 2217.45  461.84 2217.43  463.61 2217.42
  469.96 2217.34  482.87 2217.29  497.34 2217.03  497.48 2217.03  499.19    2217
  499.48    2217  499.77    2217  504.01 2216.97  510.28 2216.94  510.98 2216.93
  517.91  2216.9  525.89 2216.88  534.61 2216.86  536.11 2216.85  558.19 2216.82
  559.02 2216.82  568.99 2216.73  570.02 2216.72   571.4 2216.71  576.17 2216.68
  580.56 2216.65  592.41 2216.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  250.59    .027  345.51    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        250.59  345.51           111.02  108.44  119.84             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2218.65    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.00    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2217.65    Reach Len. (ft)          111.02     108.44     119.84
  Crit W.S. (ft)           2217.65    Flow Area (sq ft)         89.96     396.65     101.74
  E.G. Slope (ft/ft)      0.003538    Area (sq ft)              89.96     396.65     101.74
  Q Total (cfs)            3665.00    Flow (cfs)               142.53    3329.45     193.01
  Top Width (ft)            472.88    Top Width (ft)           220.06      94.92     157.90
  Vel Total (ft/s)            6.23    Avg. Vel. (ft/s)           1.58       8.39       1.90
  Max Chl Dpth (ft)           8.65    Hydr. Depth (ft)           0.41       4.18       0.64
  Conv. Total (cfs)        61615.6    Conv. (cfs)              2396.2    55974.5     3244.9
  Length Wtd. (ft)          109.38    Wetted Per. (ft)         221.16      96.60     159.16
  Min Ch El (ft)           2209.00    Shear (lb/sq ft)           0.09       0.91       0.14
  Alpha                       1.66    Stream Power (lb/ft s)   592.41       0.00       0.00
  Frctn Loss (ft)             0.40    Cum Volume (acre-ft)       4.84       3.87       0.51
  C & E Loss (ft)             0.05    Cum SA (acres)             2.09       0.76       1.22


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 701

INPUT
Description:
Station Elevation Data    num=     129
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2214.62     .81 2214.62   16.53 2214.77   18.33 2214.79   19.74 2214.81
   21.09 2214.81    25.4 2214.85   29.02 2214.86   33.18 2214.87   33.96 2214.88
   39.13 2214.88   63.16 2214.86   69.55  2214.9   71.33 2214.88   73.84 2214.85
   74.24 2214.85   74.49 2214.85   74.64 2214.85  135.88 2214.99  135.89 2214.99
   135.9 2214.99  136.95    2215  138.12    2215  140.93 2215.01  140.98 2215.01
  141.04 2215.01  144.37 2215.05   145.8 2215.06  149.03 2215.11  155.37  2215.2
  158.64 2215.27  182.88  2215.7  187.24 2215.77  188.73 2215.79  191.96 2215.84
  193.49 2215.86  205.99    2216  243.12 2216.55  244.42 2216.59  245.94 2216.64
  257.92    2217  259.66 2217.17  259.81 2217.19  260.16 2217.24  261.15 2217.35
  262.97 2217.53  264.04 2217.62  264.21 2217.64   264.6 2217.69   266.9    2218
  267.98    2218  268.09    2218  270.41 2217.22  270.64 2217.15  271.09    2217
  271.56 2216.84  274.05    2216  274.85 2215.74  277.31    2215  278.45 2214.83
   278.5 2214.82  278.54 2214.82  280.04  2214.7  280.68 2214.64  281.64 2214.55
   285.3  2214.2  286.14 2214.13  287.03    2214  287.23 2213.71  287.57    2213
  287.82  2212.5  288.06    2212  288.47 2211.11  288.51    2211  288.56 2210.87
  288.58 2210.83   289.2 2209.13  290.27 2210.05  291.05  2209.2  291.88  2208.1
  292.06 2207.78  292.19  2207.5  292.27 2207.24  292.33 2207.23   300.3 2208.14
  309.82  2210.2  313.77 2210.95  317.38 2211.63  319.23 2211.92  319.37    2212
  321.04 2212.94  321.14    2213  322.77 2213.98   322.8    2214  326.42 2214.86
  326.82    2215  329.19 2215.47  331.73    2216  334.24 2216.51  336.69    2217
  337.18 2217.11  342.55    2218   350.2 2218.01  351.71 2218.01  352.05 2218.01
  352.99 2218.01  356.66 2218.01  357.14 2218.01  360.06 2218.01  367.29    2218
  368.58    2218  371.82    2218     382 2217.85  391.33  2217.7  399.24 2217.56
   403.8 2217.47  408.49 2217.38  413.52 2217.31  439.83    2217  480.35 2216.57
  489.81 2216.49  499.39  2216.4  536.98    2216  548.51 2215.86  559.11 2215.81
   559.3 2215.81  559.49 2215.81  561.22  2215.8  596.02 2215.48
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  270.41    .027  334.24    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        270.41  334.24           174.85  182.68  173.61             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2217.48    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               0.82    Wt. n-Val.               0.035      0.027     0.035
  W.S. Elev (ft)           2216.65    Reach Len. (ft)          174.85     182.68    173.61
  Crit W.S. (ft)           2216.65    Flow Area (sq ft)        338.66     283.41     74.52
  E.G. Slope (ft/ft)      0.003726    Area (sq ft)             338.66     283.41     74.52
  Q Total (cfs)            3665.00    Flow (cfs)              1079.06    2448.97    136.96
  Top Width (ft)            432.61    Top Width (ft)           246.35      62.12    124.14
  Vel Total (ft/s)            5.26    Avg. Vel. (ft/s)           3.19       8.64      1.84
  Max Chl Dpth (ft)           9.42    Hydr. Depth (ft)           1.37       4.56      0.60
  Conv. Total (cfs)        60042.4    Conv. (cfs)             17677.9    40120.7    2243.8
  Length Wtd. (ft)          181.35    Wetted Per. (ft)         248.40      68.70    125.33
  Min Ch El (ft)           2207.23    Shear (lb/sq ft)           0.32       0.96      0.14
  Alpha                       1.91    Stream Power (lb/ft s)   596.02       0.00      0.00
  Frctn Loss (ft)             0.87    Cum Volume (acre-ft)       4.29       3.02      0.27
  C & E Loss (ft)             0.19    Cum SA (acres)             1.50       0.57      0.83


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanGreek        RS: 518

INPUT
Description:
Station Elevation Data    num=     148
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2211.38   12.23 2211.43   16.26 2211.45   20.45 2211.48   25.31  2211.5
   29.83 2211.55   30.27 2211.55   30.68 2211.55   37.99 2211.65   63.32    2212
   93.93 2212.35  115.45 2212.63   116.9 2212.65   119.6 2212.68  120.91 2212.69
  122.77 2212.71  124.45 2212.72  125.68 2212.73  127.17 2212.74   134.3 2212.77
  136.14 2212.78  172.35 2212.98  172.81 2212.98  172.93 2212.98  173.23 2212.98
  177.58    2213  209.05 2213.13  209.76 2213.13  216.22 2213.16  247.09 2213.33
  248.18 2213.34  249.33 2213.34  252.85  2213.4  258.07 2213.51  261.08 2213.53
  273.42 2213.82  274.08 2213.83  280.55    2214   281.8 2214.03  282.03 2214.03
  282.27 2214.03  284.21 2214.02  285.55    2214  285.61 2213.71  285.87    2213
  285.93 2212.71  286.17    2212  286.18 2211.71  286.24 2211.57  286.37 2211.05
   286.4    2211  286.47 2210.72  286.69    2210  286.76  2209.7  286.97    2209
   287.2 2208.27  287.22    2208  287.24 2207.84   287.5    2207  287.52 2206.85
  287.74 2206.28  287.85    2206  288.04    2205  288.23 2204.98  295.34 2204.12
  296.13    2204  296.45 2203.98  297.23 2203.95  297.74 2203.95  299.29 2203.95
  301.83 2203.89  307.15 2203.84  311.32 2203.84  316.82    2204  318.34 2204.49
  322.03 2205.29  330.81 2206.94   330.9    2207  331.82 2207.69  332.53    2208
  333.05  2208.2  333.11 2208.22  334.95    2209  336.68 2209.67  337.49    2210
  337.79 2210.14  339.39    2211  339.53 2211.09  339.62 2211.14  341.61    2212
  343.69 2212.88  343.96    2213  344.14 2213.08  346.19    2214   347.4 2214.53
   348.5    2215  349.22 2215.31  350.67    2216  351.03 2216.16  352.99    2217
  353.48 2217.21  355.32    2218  355.97    2218  356.15    2218  356.74 2217.85
  357.51 2217.65  359.77    2217  360.51 2216.77  361.74 2216.38  363.38    2216
   373.7 2215.42  374.73 2215.39  375.58 2215.38  376.71 2215.36  381.02 2215.18
  407.45    2215  413.28 2214.96  413.63 2214.96     414 2214.97   445.7 2214.87
  447.06 2214.88  448.62 2214.88  449.02 2214.88  449.41 2214.88  457.45 2214.83
  502.25 2214.61  504.24  2214.6  506.66  2214.6  512.61 2214.61  522.73 2214.55
  526.85 2214.55  531.67 2214.53  537.34 2214.49  543.59 2214.43  548.94 2214.39
  560.36 2214.28  564.82 2214.24  570.46 2214.19  571.58 2214.18  578.32 2214.13
  579.05 2214.12  579.65 2214.11  598.86    2214  603.04 2213.99  603.12 2213.99
  609.84 2213.97  617.06 2213.96  622.08 2213.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  287.74    .027  360.51    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        287.74  360.51           284.89  286.92  286.16             .1       .3
```

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2213.38	Element			
Vel Head (ft)	2.72	Wt. n-Val.	0.035	0.027	
W.S. Elev (ft)	2210.66	Reach Len. (ft)	284.89	286.92	286.16
Crit W.S. (ft)	2210.66	Flow Area (sq ft)	2.78	275.93	
E.G. Slope (ft/ft)	0.006476	Area (sq ft)	2.78	275.93	
Q Total (cfs)	3665.00	Flow (cfs)	6.83	3658.17	
Top Width (ft)	52.26	Top Width (ft)	1.25	51.01	
Vel Total (ft/s)	13.15	Avg. Vel. (ft/s)	2.46	13.26	
Max Chl Dpth (ft)	6.82	Hydr. Depth (ft)	2.23	5.41	
Conv. Total (cfs)	45544.1	Conv. (cfs)	84.9	45459.2	
Length Wtd. (ft)	286.21	Wetted Per. (ft)	4.56	53.27	
Min Ch El (ft)	2203.84	Shear (lb/sq ft)	0.25	2.09	
Alpha	1.01	Stream Power (lb/ft s)	622.08	0.00	0.00
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	3.60	1.85	0.12
C & E Loss (ft)	0.78	Cum SA (acres)	1.00	0.33	0.59

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanGreek RS: 231

INPUT
Description:
Station Elevation Data num= 151

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2207.96	7.49	2208	14.93	2208.04	16.01	2208.05	42.34	2208.26
51.23	2208.3	67.78	2208.42	93.97	2208.54	96.18	2208.54	98.63	2208.55
101.29	2208.54	104.78	2208.52	107.2	2208.51	124.16	2208.37	136.95	2208.25
162.37	2208	166.39	2207.96	166.78	2207.96	166.99	2207.96	180.02	2207.86
180.69	2207.86	208.77	2207.74	210.63	2207.76	212.37	2207.78	215.3	2207.79
217.96	2207.8	218.76	2207.8	220.3	2207.79	222.6	2207.79	224.91	2207.79
238.72	2207.93	239.92	2207.92	242.49	2207.93	254.77	2208	263.76	2208.45
265.28	2208.51	267.78	2208.6	271.83	2208.73	277.95	2208.99	279.57	2209
279.6	2209	279.63	2209	280.12	2209	280.89	2209	282.62	2209
285.09	2209	286.96	2209	287.81	2209	287.85	2209	288	2209
291.9	2209	292.45	2209	296.19	2208.99	300.3	2209	301	2209
304.15	2209.63	305.48	2209.89	305.98	2210	309.25	2210.69	310.78	2211
310.8	2211.02	310.82	2211.03	311.3	2211.16	311.37	2211.17	311.76	2211.06
312.34	2211	312.54	2210.86	313.95	2210	313.98	2209.99	315.95	2209
316.16	2208.89	317.87	2208	318.94	2207.43	319.72	2207	321.08	2206.26
322.54	2205.77	332.46	2203.31	338.16	2201.88	340.83	2201.22	341.13	2201.16
341.31	2201.12	341.41	2201.11	341.46	2201.1	341.79	2201	341.84	2201
343.37	2201	343.65	2201.33	344.2	2202	344.58	2202.55	344.87	2203
345.24	2203.42	345.88	2204	346.28	2204.84	346.49	2205	347.18	2205.9
347.24	2206	347.28	2206.14	348.06	2207	349.29	2207.64	350.09	2208
350.7	2208.26	352.42	2209	353.56	2209.58	353.85	2209.7	354.6	2210
355.43	2210.35	356.92	2211	358.03	2211.51	359.29	2212	361.04	2212.12
362.21	2212.16	364.12	2212.04	365.34	2212	367.13	2211.97	367.15	2211.97
414.8	2211.58	439.14	2211.49	440.97	2211.51	441.96	2211.52	442.99	2211.52
444.29	2211.53	444.55	2211.53	447.61	2211.55	484.37	2211.7	499.83	2211.76
513.32	2211.74	515.6	2211.7	516.73	2211.69	520.87	2211.71	522.11	2211.7
526.8	2211.71	527.95	2211.7	533.16	2211.7	533.96	2211.7	547.77	2211.85
553.32	2211.85	563.85	2211.89	565	2211.89	567.07	2211.9	574.43	2211.96
577.82	2211.96	577.89	2211.96	577.91	2211.96	580.16	2212	580.35	2212
580.65	2212	586.97	2212.07	589.06	2212.09	589.31	2212.1	591.67	2212.13
624.63	2212.42								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	304.15	.027	353.85	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
304.15	353.85	143.14	230.99	149.66	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2211.98	Element			
Vel Head (ft)	0.13	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2211.85	Reach Len. (ft)	0.00	0.00	0.00
Crit W.S. (ft)		Flow Area (sq ft)	1099.32	285.77	36.62

E.G. Slope (ft/ft)	0.000548	Area (sq ft)	1099.32	285.77	36.62
Q Total (cfs)	3665.00	Flow (cfs)	2550.22	1099.50	15.28
Top Width (ft)	532.04	Top Width (ft)	304.15	49.70	178.19
Vel Total (ft/s)	2.58	Avg. Vel. (ft/s)	2.32	3.85	0.42
Max Chl Dpth (ft)	10.85	Hydr. Depth (ft)	3.61	5.75	0.21
Conv. Total (cfs)	156602.9	Conv. (cfs)	108969.2	46980.9	652.8
Length Wtd. (ft)	0.00	Wetted Per. (ft)	308.13	55.35	178.63
Min Ch El (ft)	2201.00	Shear (lb/sq ft)	0.12	0.18	0.01
Alpha	1.23	Stream Power (lb/ft s)	624.63	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)			
C & E Loss (ft)	0.18	Cum SA (acres)			

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 5379

INPUT
Description:
Station Elevation Data num= 131

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2362.07	11.87	2362.12	12.23	2362.12	15.9	2362.13	18.18	2362.13
21.25	2362.12	24.6	2362.18	25.83	2362.18	27.03	2362.18	28.06	2362.2
28.8	2362.21	45.43	2362.35	48.77	2362.3	52.81	2362.21	53.19	2362.21
53.54	2362.21	53.87	2362.21	54.23	2362.2	55.06	2362.21	55.43	2362.21
56.3	2362	56.66	2361.79	58.49	2361	59.91	2360.03	59.97	2360
61.46	2359.28	61.91	2359	62.62	2358.63	63.28	2358.22	63.64	2358
65.45	2357.01	65.48	2357	65.53	2356.97	66.4	2356.5	67.32	2356
68.1	2355.58	69.18	2355	69.51	2354.86	71.67	2354	74.19	2353.09
74.4	2353	74.62	2352.92	77.1	2352	77.36	2351.9	79.8	2351
82.6	2350.02	82.65	2350	85.34	2349.02	85.4	2349	85.46	2348.98
87.96	2348	88.47	2347.8	90.64	2347	95.86	2346.97	100.21	2346.96
105.88	2346.98	106.39	2346.98	108.19	2346.98	110.23	2346.91	112.37	2346.92
113.41	2346.93	114.67	2346.92	116.56	2346.9	117.18	2346.88	125	2346.88
140.76	2346.89	141.92	2346.81	143.81	2346.79	144.57	2346.73	146.12	2346.68
147.26	2346.6	148.05	2346.54	149.29	2346.44	151.22	2346.28	154.16	2346.02
154.36	2346	154.49	2345.92	155.37	2345.36	156.09	2345	157.13	2344.5
157.93	2344.03	157.97	2344.01	157.98	2344	158	2344	158.03	2344
161.03	2344	162.52	2344	163.78	2343.99	168.07	2344	168.92	2344.1
169.06	2344.11	169.23	2344.11	169.85	2344.14	170.44	2344.15	170.74	2344.15
170.95	2344.15	171.37	2344.18	171.57	2344.17	172.19	2344.23	172.82	2344.32
173.1	2344.3	173.76	2344.38	174	2344.36	177.39	2344.19	178.65	2344.08
181.64	2344.01	181.65	2344	184.36	2343.64	188.7	2343	189.48	2342.99
190.37	2342.99	191.04	2342.99	192.39	2343	193.01	2343.02	194.1	2343.13
196.34	2343.29	196.85	2343.32	198.87	2344	199.97	2344.57	201.33	2345
202.17	2345.46	203.48	2346	204.08	2346.24	206.02	2347	207.43	2347.51
208.8	2348	210.28	2348.56	211.52	2349	223.23	2352.03	248.06	2358.32
265.72	2362.79								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	63.28	.027	248.06	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
63.28	248.06	267.76	268.27	285.61	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2349.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.027	
W.S. Elev (ft)	2348.49	Reach Len. (ft)	267.76	268.27	285.61
Crit W.S. (ft)		Flow Area (sq ft)		338.21	
E.G. Slope (ft/ft)	0.003628	Area (sq ft)		338.21	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	123.39	Top Width (ft)		123.39	
Vel Total (ft/s)	6.42	Avg. Vel. (ft/s)		6.42	
Max Chl Dpth (ft)	5.50	Hydr. Depth (ft)		2.74	
Conv. Total (cfs)	36076.2	Conv. (cfs)		36076.2	
Length Wtd. (ft)	268.27	Wetted Per. (ft)		125.34	
Min Ch El (ft)	2342.99	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)	265.72	0.00	0.00
Frctn Loss (ft)	1.46	Cum Volume (acre-ft)	0.04	38.22	
C & E Loss (ft)	0.05	Cum SA (acres)	0.03	27.24	

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 5111

INPUT
Description:
Station Elevation Data num= 139

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2354.12	9.69	2351.87	18.54	2351.87	27.1	2351.2	38.26	2350.01
40.73	2349.64	45.01	2349	48.94	2348.44	52.09	2348	57.1	2347.35
60.56	2347	69.35	2346.33	70.07	2346.25	72.55	2346.01	72.64	2346
73.94	2345.98	74.36	2345.94	78.76	2345.57	81.25	2345.45	84.26	2345.32
86.77	2345.24	93.45	2345.37	93.99	2345.33	96.5	2345.36	99.24	2345.34
99.71	2345.32	100.04	2345.3	100.76	2345.27	101.37	2345.22	102.23	2345.13
103.26	2345	106.09	2344.92	107.36	2344.94	108.36	2344.93	109.36	2344.92
117.81	2344.94	118.75	2344.95	118.78	2344.95	122.35	2345	128.43	2345.6
131.46	2346	138.47	2346.98	138.63	2347	138.66	2347	140.85	2347.25
141.14	2347.28	142.01	2347.34	142.32	2347.36	143.22	2347.35	143.53	2347.35
144.44	2347.27	147.13	2347	150.98	2346.55	151.45	2346.44	151.84	2346.37
153.25	2346	154.09	2345.81	154.9	2345.58	155.85	2345.32	156.95	2345
158.22	2344.67	158.26	2344.66	158.78	2344.51	159.46	2344.31	160.44	2344
160.48	2343.97	160.49	2343.96	160.83	2343.76	162.39	2343	162.53	2342.55
162.66	2342	162.88	2341.17	162.93	2341	162.98	2340.78	163.03	2340.68
163.62	2340	163.77	2339.93	164.69	2339	169.44	2339	173.15	2339
173.22	2339	175.56	2339	177.34	2339	178.94	2339	179.76	2339.79
180.13	2340	180.71	2340.47	181.29	2341	182.23	2341.66	182.6	2342
183.09	2342.36	184.1	2343	184.28	2343.11	186.04	2344	188.32	2344.97
188.45	2345	192.88	2345.89	193.04	2345.91	193.17	2345.93	193.38	2345.94
193.52	2345.96	193.76	2346	196.4	2346.78	197.26	2347	199.42	2347.56
201.17	2348	201.91	2348.2	203.77	2348.62	205.32	2348.91	205.89	2349
209.57	2349.65	211.9	2350	213.83	2350.31	218.14	2351	218.65	2351.08
220.46	2351.36	221.35	2351.54	222.09	2351.71	222.44	2351.8	223.17	2352
226.58	2352.75	227.22	2352.98	227.3	2353	230.38	2353.04	231.33	2353.04
237.21	2353.42	238.12	2353.48	245.23	2353.85	246.67	2353.92	247.27	2353.95
247.33	2353.96	247.66	2354	248.52	2354.05	248.68	2354.05	248.83	2354.06
248.97	2354.06	249.23	2354.07	263.08	2354.49	268.37	2354.58		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	40.73	.027	246.67	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
40.73	246.67	96.38	98.05	120.8	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2347.62	Element			
Vel Head (ft)	1.18	Wt. n-Val.		0.027	
W.S. Elev (ft)	2346.44	Reach Len. (ft)	96.38	98.05	120.80
Crit W.S. (ft)	2346.44	Flow Area (sq ft)		248.91	
E.G. Slope (ft/ft)	0.009047	Area (sq ft)		248.91	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	110.37	Top Width (ft)		110.37	
Vel Total (ft/s)	8.73	Avg. Vel. (ft/s)		8.73	
Max Chl Dpth (ft)	7.44	Hydr. Depth (ft)		2.26	
Conv. Total (cfs)	22845.5	Conv. (cfs)		22845.5	
Length Wtd. (ft)	98.05	Wetted Per. (ft)		115.57	
Min Ch El (ft)	2339.00	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)	268.37	0.00	0.00
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)	0.04	36.41	
C & E Loss (ft)	0.09	Cum SA (acres)	0.03	26.52	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 5013

INPUT
Description:
Station Elevation Data num= 204

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2350.37	9.79	2350	37.5	2349.07	39.74	2349	40.22	2348.98
55.61	2348.44	71.17	2348	76.79	2347.81	77.78	2347.78	78.4	2347.77
80.27	2347.75	82.54	2347.72	118.19	2347	126.78	2346.8	127.26	2346.8
128.17	2346.8	131.3	2346.79	136.28	2346.77	142.07	2346.76	152.52	2346.76
154.37	2346.75	156.32	2346.74	158.43	2346.72	160.69	2346.69	180.97	2346.63
184.12	2346.56	186.48	2346.47	190.32	2346.28	192.71	2346.17	193.44	2346.16
197.35	2346	197.46	2346	197.82	2345.98	203.19	2345.82	212.21	2345
214.23	2344.37	215.54	2344	216.9	2343.6	219.03	2343	219.33	2342.91
221.28	2342.35	222.5	2342	225.95	2341	225.96	2341	225.97	2341
230.59	2340.22	231.65	2340.17	231.85	2340.15	232.02	2340.14	233.34	2340.1
234.15	2340.1	235.69	2340.09	235.91	2340.09	237.95	2340.15	238.42	2340.16
240.8	2340.31	244.03	2340.31	251.09	2340.66	252.33	2340.67	252.66	2340.67
253.55	2340.66	254.48	2340.65	257.02	2340.56	258.33	2340.52	259.94	2340.48
266.2	2340.37	269.32	2340.29	269.71	2340.28	273.48	2340.21	274.52	2340.18
276.56	2340.18	278.58	2340.09	280.02	2340	282.41	2339.6	282.9	2339.48
284.66	2339	285.13	2338.86	288.04	2338	289.09	2337.6	289.89	2337
290.25	2336.51	290.78	2336	291.49	2335.27	291.84	2335	292.5	2334.47
292.97	2334.18	293.4	2334	293.57	2333.93	293.63	2333.91	294.22	2333.82
294.4	2333.79	297.3	2333.76	298.46	2333.74	299	2333.65	299.48	2333.48
300.26	2333.26	300.98	2333.02	301.31	2333	302.93	2332.34	303.41	2332.15
303.79	2332	304.51	2332	306.2	2332.03	307	2332.1	310.33	2332.3
314.96	2332.35	315.17	2332.35	315.38	2332.35	315.45	2332.35	320.69	2332.57
320.76	2332.58	320.87	2332.58	320.93	2332.58	320.99	2332.59	321.05	2332.59
321.12	2332.59	323.57	2332.73	326.45	2332.93	327.27	2333	327.44	2333
332.2	2333.84	332.43	2333.88	332.91	2334	333.02	2334.09	333.53	2334.55
334.06	2335	334.87	2335.7	335.22	2336	335.48	2336.25	336.32	2337
336.74	2337.39	337.41	2338	337.95	2338.51	338.49	2339	339.12	2339.6
339.56	2340	339.94	2340.37	340.59	2341	341.13	2341.53	341.6	2342
342.49	2342.88	342.61	2343	342.86	2343.25	343.66	2344	344.18	2344.49
344.79	2345	345.57	2345.71	345.96	2346	346.95	2346.77	347.25	2347
349.5	2347.57	351.16	2348	352.73	2348.03	352.87	2348.03	354.45	2348.06
355.2	2348.08	355.54	2348.08	357.14	2348.2	362.31	2348.53	364.05	2348.61
365.37	2348.69	367.63	2348.93	368.76	2348.94	369.07	2348.94	370.34	2349
372.79	2349.28	373.48	2349.35	374.18	2349.44	376.85	2349.67	377.84	2349.73
378.08	2349.75	378.41	2349.75	386.03	2350.69	386.22	2350.7	386.36	2350.72
392.05	2351	396.43	2351.3	397.86	2351.43	398.66	2351.52	402.05	2351.99
402.09	2351.99	402.16	2352	405.06	2352.39	405.77	2352.51	406.21	2352.6
407.35	2353	408.53	2353.37	408.91	2353.4	411.51	2353.67	414.4	2353.99
414.55	2353.99	414.75	2354	417.88	2354.3	420.77	2354.61	424.34	2355
433.82	2355.9	434.77	2356	435.75	2356.08	437.74	2356.26	445.16	2357
450.46	2357.54	454.96	2358	461.23	2358.5	461.58	2358.53		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	221.28	.027	377.84	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
221.28	377.84	188.84	184.65	180.59	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2339.32	Element			
Vel Head (ft)	2.04	Wt. n-Val.		0.027	
W.S. Elev (ft)	2337.28	Reach Len. (ft)	188.84	184.65	180.59
Crit W.S. (ft)	2337.28	Flow Area (sq ft)		189.52	
E.G. Slope (ft/ft)	0.007354	Area (sq ft)		189.52	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	47.10	Top Width (ft)		47.10	
Vel Total (ft/s)	11.47	Avg. Vel. (ft/s)		11.47	
Max Chl Dpth (ft)	5.28	Hydr. Depth (ft)		4.02	
Conv. Total (cfs)	25340.3	Conv. (cfs)		25340.3	
Length Wtd. (ft)	184.65	Wetted Per. (ft)		50.05	
Min Ch El (ft)	2332.00	Shear (lb/sq ft)		1.74	
Alpha	1.00	Stream Power (lb/ft s)	461.58	0.00	0.00
Frctn Loss (ft)	1.49	Cum Volume (acre-ft)	0.04	35.92	
C & E Loss (ft)	0.34	Cum SA (acres)	0.03	26.35	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 4828

INPUT

```
Description:
Station Elevation Data    num=     196
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2349.01     .61 2349.01     5.2    2349    8.88    2349    11.3 2348.06
   11.43    2348    11.6 2347.92   13.74    2347   14.61 2346.58   15.93    2346
   17.21 2345.39   18.05    2345   18.52  2344.8   19.22 2344.57   20.39    2344
   20.84 2343.83    21.8    2343   23.91 2342.05   24.23    2342   28.53 2341.63
   35.32    2341   35.41 2340.98   36.59 2340.58   39.89    2340    40.7 2339.78
   40.89 2339.75   41.23 2339.71   42.98 2339.56   43.84  2339.5   45.42 2339.38
   51.23    2339   53.11 2338.89   59.37 2338.88   60.62 2338.91   65.13 2338.98
   65.55 2338.99   65.93    2339   66.19    2339   67.93 2339.19   73.37 2339.65
   77.03 2339.97   77.23 2339.97   77.78 2339.98   78.58 2339.98   81.35    2340
   82.97    2340   83.05    2340   84.09    2340   89.91    2340   91.07    2340
   92.44    2340   97.46    2340   97.68 2339.83   98.96    2339   99.67 2338.54
  100.35    2338  101.23 2337.45  101.91    2337  102.86 2336.42  103.51    2336
  104.91 2335.39  105.54    2335  107.79 2334.23  108.61    2334  111.64 2333.03
   111.9    2333  111.97    2333  112.05    2333  112.48 2332.97  113.51 2332.91
  114.31 2332.85  115.28 2332.77  117.08 2332.56  119.23 2332.51  121.22 2332.53
  128.95 2332.24  129.35 2332.25  129.69 2332.28  130.18 2332.35  130.28 2332.38
  130.44  2332.4  130.62 2332.43   130.8 2332.43     131 2332.42  131.57 2332.37
  134.46    2332   138.2 2331.85  138.69 2331.81  139.48 2331.74  140.11 2331.69
  141.64 2331.53  142.24 2331.48  142.85 2331.41  146.39    2331  148.16 2330.79
  148.18 2330.79  151.01  2330.5  151.05 2330.51  152.26 2330.38  153.04 2330.32
  157.19 2330.34  161.54 2330.41  162.76 2330.43  163.05 2330.44  172.42 2330.73
  173.23 2330.75  181.99    2331   182.5    2331  183.06 2331.01  196.25 2331.08
  196.79 2331.08  197.08 2331.09  198.08 2331.08  212.48 2331.05  212.65 2331.05
  214.85    2331  232.42 2330.39  233.75 2330.33  236.26 2330.23  238.37    2330
  241.14 2329.07  241.34    2329  242.51 2328.99  247.29 2328.91  249.32 2328.88
  251.77 2328.92   255.3 2328.97  257.15    2329  257.88 2329.16  261.19    2330
  266.11 2330.83   266.3 2330.85  266.92 2330.91  267.64 2330.97  267.91    2331
  269.57  2331.2  270.51 2331.33  275.43    2332  276.65 2332.21  280.52    2333
  281.33 2333.37  282.64    2334  282.89 2334.12  284.45 2334.83  284.77    2335
  285.07 2335.15  286.73    2336  287.53 2336.43  288.33 2336.76  288.71    2337
  288.84 2337.23  288.91 2337.33   289.1 2337.59  289.42    2338  289.75 2338.41
  290.24    2339  290.53 2339.37  291.07    2340  291.62 2340.74  291.84    2341
  292.08  2341.3  292.66    2342   292.9  2342.3  293.47    2343  294.13  2343.9
  294.19    2344  294.23 2344.04  295.07    2345  295.77 2345.95  295.81    2346
  296.58 2346.95  296.62    2347  296.66 2347.05  297.43    2348  298.18    2349
  298.19    2349  298.99    2350  299.05 2350.06  299.81    2351  300.74  2351.1
  305.27 2351.55  307.88    2352  311.31 2352.41  313.56 2352.71  315.59    2353
  317.02 2353.19  322.47    2354   327.7 2354.79     329    2355  334.09 2355.74
   335.7    2356  337.22 2356.24  342.28    2357  347.57 2357.46     352    2358
  356.87 2358.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   92.44    .027  282.89    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         92.44  282.89           158.07  140.69  146.01             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2333.49    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.89    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2332.59    Reach Len. (ft)          158.07     140.69     146.01
  Crit W.S. (ft)           2332.59    Flow Area (sq ft)                   286.25
  E.G. Slope (ft/ft)      0.008933    Area (sq ft)                        286.25
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            161.70    Top Width (ft)                      161.70
  Vel Total (ft/s)             7.59    Avg. Vel. (ft/s)                      7.59
  Max Chl Dpth (ft)            3.71    Hydr. Depth (ft)                      1.77
  Conv. Total (cfs)        22991.1    Conv. (cfs)                        22991.1
  Length Wtd. (ft)          140.69    Wetted Per. (ft)                    162.36
  Min Ch El (ft)           2328.88    Shear (lb/sq ft)                      0.98
  Alpha                       1.00    Stream Power (lb/ft s)    356.87       0.00       0.00
  Frctn Loss (ft)             0.96    Cum Volume (acre-ft)        0.04      34.91
  C & E Loss (ft)             0.00    Cum SA (acres)              0.03      25.90


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 4688

INPUT
```

Description:
Station Elevation Data num= 96

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2337.56	2.5	2337.41	3.3	2337.35	4.92	2337.23	10.03	2337
10.6	2336.98	10.8	2336.97	22.33	2336.62	23.21	2336.59	24.07	2336.56
24.95	2336.52	25.79	2336.52	26.83	2336.47	27.92	2336.42	29.1	2336.39
30.4	2336.36	34.78	2336.52	45.56	2336.99	46.59	2337	46.82	2337
47.52	2337	48.14	2337	50.55	2337	61	2334.79	79.1	2330.97
93.96	2327.25	99.76	2327	101.44	2326.27	102.37	2326	102.8	2325.72
103.23	2325.43	105.04	2324.71	107.05	2324.7	115.2	2325	119.97	2325.58
120.38	2325.59	126.76	2325.74	129.92	2325.8	142	2326.69	146.67	2327.18
150.39	2327.59	151.97	2328.3	153.51	2329	180.46	2329.84	185.23	2330
186.4	2330.6	187.07	2331	188.65	2331.79	189.02	2332	190.47	2332.83
190.77	2333	191.72	2333.41	193.89	2334	196.4	2334.67	197.74	2335
199.71	2335.5	201.68	2336	203.53	2336.48	205.53	2337	207.8	2337.58
209.34	2338	210.58	2338.43	213.01	2339	213.14	2339.08	215	2340
216.02	2340.63	216.64	2341	217.96	2341.79	218.3	2342	218.52	2342.13
220.14	2343	221.66	2343.91	221.85	2344	222.72	2344.56	223.53	2345
224.97	2345.85	225.27	2346	225.45	2346.11	227.09	2347	229.4	2347.95
229.67	2348	229.71	2348	235.73	2348	240.37	2348	241.56	2348
243.55	2348	246.46	2348	247.33	2348	253.29	2348	269.21	2348
270.3	2348	277.52	2348	278.17	2348	278.72	2348	279.92	2348
284.79	2348								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	61	.027	269.21	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
61	269.21	138.19	119.26	105.77	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2331.11	Element			
Vel Head (ft)	0.94	Wt. n-Val.		0.027	
W.S. Elev (ft)	2330.17	Reach Len. (ft)	138.19	119.26	105.77
Crit W.S. (ft)		Flow Area (sq ft)		279.27	
E.G. Slope (ft/ft)	0.005396	Area (sq ft)		279.27	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	103.24	Top Width (ft)		103.24	
Vel Total (ft/s)	7.78	Avg. Vel. (ft/s)		7.78	
Max Chl Dpth (ft)	5.47	Hydr. Depth (ft)		2.71	
Conv. Total (cfs)	29581.9	Conv. (cfs)		29581.9	
Length Wtd. (ft)	119.26	Wetted Per. (ft)		104.59	
Min Ch El (ft)	2324.70	Shear (lb/sq ft)		0.90	
Alpha	1.00	Stream Power (lb/ft s)	284.79	0.00	0.00
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)	0.04	33.99	
C & E Loss (ft)	0.20	Cum SA (acres)	0.03	25.48	

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 4568

INPUT
Description:
Station Elevation Data num= 140

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2336.53	.41	2336	1.15	2335.33	1.48	2335	1.73	2334.74
2.54	2334	3.65	2333.98	5.48	2333.98	5.58	2333.97	5.96	2333.98
6.78	2334	7.17	2334.02	30.66	2335	37.03	2335	38.52	2335
40.27	2335	41.06	2335	41.15	2335	42.01	2335	43.46	2335
44.16	2334.05	44.19	2334	44.23	2333.95	44.93	2333	45.26	2332.44
45.61	2332	46.12	2331.31	46.38	2331	46.51	2330.84	47.23	2330
47.69	2329.35	47.93	2329	48.39	2328.35	48.64	2328	49.25	2327.67
51.29	2327	58.04	2326.76	58.9	2326.65	62.52	2326.49	63.07	2326.49
64.02	2326.55	65.18	2326.61	67.43	2326.56	71.01	2326.37	71.45	2326.4
72.07	2326.38	75.33	2326	80.55	2325.37	84.14	2325	87.31	2324.89
91.84	2324.92	96.9	2324.99	97.15	2325	97.86	2324.99	99.15	2324.98
100.58	2324.99	102.56	2324.93	102.96	2324.86	108.67	2323.31	113.97	2323.34
116.15	2323.38	116.95	2323.34	116.99	2323.34	117.25	2323	123.58	2322.83
128.06	2323.76	129.66	2324.24	136.92	2326.17	146.17	2328.42	146.91	2328.83
147.3	2329	147.67	2329.11	148.96	2330	150.57	2330.52	153.17	2330.58
155.22	2330.62	155.5	2330.64	156.46	2330.67	162.71	2330.78	164.91	2330.81
174.92	2330.93	175.22	2330.93	180.99	2330.98	181.21	2330.98	184.9	2331
185.87	2331.01	186.19	2331.02	198.35	2331.04	202.15	2331.1	205.19	2331.21
211.91	2331.8	212.9	2331.87	214.07	2332	221.33	2332.95	221.7	2333
221.73	2333	221.78	2333	221.79	2333.01	221.82	2333.01	221.92	2333.03
227.85	2334	230.19	2334.37	233.92	2335	235.39	2335.32	238.24	2336
241.44	2336.77	242.38	2337	242.5	2337.03	246.18	2338	246.42	2338.08
249.33	2339	249.82	2339.18	252.01	2339.87	252.37	2340	252.57	2340.09

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  252.87 2340.24  254.33    2341  255.81 2341.87  256.02    2342   257.6 2342.94
   257.7    2343  257.74 2343.02  259.28    2344  259.78 2344.18  259.87 2344.17
  259.96 2344.16  261.85 2344.27  271.69 2344.85  273.63    2345  274.81 2345.71
  274.92 2345.81   275.3    2346  276.85 2346.93  276.98    2347  278.52 2347.92
  278.67    2348  280.19 2348.91  280.35    2349  280.51 2349.09  282.12 2349.83

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   41.06    .027  252.57    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         41.06  252.57            94.88  151.88  193.08             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2330.72    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.29    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2330.43    Reach Len. (ft)            94.88     151.88    193.08
  Crit W.S. (ft)                      Flow Area (sq ft)                    507.15
  E.G. Slope (ft/ft)       0.000757   Area (sq ft)                         507.15
  Q Total (cfs)            2173.00    Flow (cfs)                          2173.00
  Top Width (ft)            103.44    Top Width (ft)                       103.44
  Vel Total (ft/s)             4.28    Avg. Vel. (ft/s)                       4.28
  Max Chl Dpth (ft)            7.60    Hydr. Depth (ft)                       4.90
  Conv. Total (cfs)        78977.2    Conv. (cfs)                         78977.2
  Length Wtd. (ft)          151.55    Wetted Per. (ft)                     106.55
  Min Ch El (ft)           2322.83    Shear (lb/sq ft)                       0.22
  Alpha                        1.00    Stream Power (lb/ft s)    282.12       0.00       0.00
  Frctn Loss (ft)              0.27    Cum Volume (acre-ft)        0.04      32.92
  C & E Loss (ft)              0.10    Cum SA (acres)              0.03      25.19


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 4416

INPUT
Description:
Station Elevation Data    num=     158
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2332.84    2.04    2333    2.05    2333    2.07    2333    4.92 2333.25
     5.3 2333.27    8.39 2333.51    9.07 2333.54     9.6 2333.56   10.08 2333.58
   11.09 2333.58   11.97 2333.59   12.88 2333.58   13.58 2333.59   14.32 2333.58
   15.03 2333.59   16.59 2333.62   18.37 2333.67   18.94  2333.7   22.27    2334
   28.73 2334.02   32.05 2334.02   32.48 2334.02   32.92 2334.02   36.06 2334.02
   38.89 2334.01   43.77 2334.01   45.16    2334   45.52    2334   46.07    2334
   50.03 2333.52    55.8    2333   58.12  2332.6   59.52 2332.39   62.68    2332
   67.73 2331.39   70.87    2331   73.74 2330.73   74.16 2330.68   75.49  2330.5
   80.89    2330   84.74 2329.73   90.12 2329.28   90.89 2329.22   91.19 2329.19
   92.88 2329.06   92.94 2329.06   93.87    2329   96.04 2328.71   96.67  2328.6
   96.84 2328.29      97 2328.04   97.14 2327.84  100.84 2327.06  103.67 2326.46
  104.29 2326.07  112.02 2326.08  112.43 2326.36  116.05 2325.62  117.21 2326.19
  118.12 2325.45  124.37 2325.67  125.31    2325  126.38 2324.35   126.8 2324.36
  127.34 2324.36  148.09    2324  148.66 2323.94  149.14 2323.96  150.22    2324
  150.32 2324.07  151.85    2325  152.65 2325.41  153.12 2325.69  153.73    2326
  154.88 2326.62  155.61    2327  157.23 2327.88  157.46    2328  158.12 2328.01
  158.26 2328.01   159.4 2328.02  159.96 2328.02  160.36 2328.03  160.54 2328.03
  161.04 2328.03  163.88 2328.25  165.32 2328.31   169.4 2328.48  170.85 2328.54
  171.84 2328.59  174.52 2328.68  175.49 2328.73  175.91 2328.74  176.86 2328.78
  177.07 2328.79  177.16 2328.79  179.05 2328.77   181.5 2328.92  182.95    2329
  185.63    2329  188.92    2329  189.36    2329  196.43    2329  196.76 2329.02
  198.49 2329.22  203.22 2329.75  206.32    2330  210.58 2330.81  211.66    2331
  212.38 2331.21  216.15    2332  219.08 2332.84  219.77    2333  221.87 2333.58
  223.46    2334  226.32 2334.96  226.43    2335  226.65 2335.07  229.56    2336
  229.94 2336.12  232.67    2337   233.3 2337.23  235.64    2338  235.96 2338.11
  236.29 2338.21  237.99  2338.7  238.68  2338.9  239.07    2339   241.1 2339.55
  242.74    2340  243.08 2340.07  244.53 2340.38  247.65    2341     251 2341.83
  251.72    2342  252.27 2342.13  256.06    2343  257.03 2343.22  257.99 2343.45
  261.78    2344  266.69 2344.67  268.84    2345  271.86 2345.48  275.19    2346
  278.96 2346.61  279.57 2346.69  282.34    2347  285.44 2347.23  285.81 2347.21
  286.08 2347.19  286.47 2347.18  286.83 2347.18  293.37 2347.41  296.62 2347.46
  297.53 2347.49   298.6 2347.54  298.64 2347.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  100.84    .027  257.03    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        100.84  257.03           145.15  168.26  239.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

			Left OB	Channel	Right OB
E.G. Elev (ft)	2330.35	Element			
Vel Head (ft)	1.24	Wt. n-Val.	0.035	0.027	
W.S. Elev (ft)	2329.11	Reach Len. (ft)	145.15	168.26	239.85
Crit W.S. (ft)	2329.11	Flow Area (sq ft)	7.50	238.97	
E.G. Slope (ft/ft)	0.008226	Area (sq ft)	7.50	238.97	
Q Total (cfs)	2173.00	Flow (cfs)	25.31	2147.69	
Top Width (ft)	105.30	Top Width (ft)	8.60	96.70	
Vel Total (ft/s)	8.82	Avg. Vel. (ft/s)	3.37	8.99	
Max Chl Dpth (ft)	5.17	Hydr. Depth (ft)	0.87	2.47	
Conv. Total (cfs)	23959.3	Conv. (cfs)	279.0	23680.2	
Length Wtd. (ft)	167.92	Wetted Per. (ft)	9.14	98.90	
Min Ch El (ft)	2323.94	Shear (lb/sq ft)	0.42	1.24	
Alpha	1.03	Stream Power (lb/ft s)	298.64	0.00	0.00
Frctn Loss (ft)	1.36	Cum Volume (acre-ft)	0.03	31.62	
C & E Loss (ft)	0.03	Cum SA (acres)	0.02	24.84	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 4248

INPUT
Description:
Station Elevation Data num= 224

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2333.64	.45	2333.42	1.09	2333	2.4	2332.34	2.94	2332
3.39	2331.72	4.97	2331	8.22	2330.58	10.25	2330.47	13.83	2330.25
13.91	2330.25	13.98	2330.24	17.6	2330	24.69	2329.65	29.48	2329.44
33.69	2329.6	41.88	2329.99	43.18	2330	45.49	2330.31	47.41	2330.51
48.49	2330.61	49.94	2330.66	50.3	2330.7	50.73	2330.71	52.57	2330.83
52.83	2330.83	53.12	2330.81	53.7	2330.85	54.01	2330.81	54.29	2330.82
54.47	2330.8	55.05	2330.69	55.24	2330.66	55.39	2330.62	57.31	2330.19
57.38	2330.18	57.99	2330.01	58.07	2330	58.76	2329.98	60.76	2329.93
60.88	2329.93	61.58	2329.95	63.57	2329.98	63.61	2329.97	63.81	2330
65.02	2330.07	66.26	2330.43	67.33	2330.57	67.4	2330.59	67.52	2330.61
68.02	2330.63	68.12	2330.65	68.21	2330.65	68.58	2330.59	69.07	2330.43
69.12	2330.42	70.09	2330	70.16	2329.97	72.11	2329	72.47	2328.83
74.14	2328	75.19	2327.53	76.36	2327	79.01	2326.31	79.98	2326
80.79	2325.77	85.01	2325	87.37	2324.29	88.25	2324	90.1	2323.42
91.38	2323	92.68	2322.63	94.96	2322	96.98	2321.48	98.72	2321
105.51	2320.22	106.79	2320	107.95	2319.56	108.21	2319.47	109.74	2319
110.17	2318.2	110.28	2318.11	110.39	2318.04	110.44	2318	110.47	2318
110.65	2317.76	111.05	2317.21	111.21	2317	111.47	2316.69	112.03	2316
113.21	2315.2	113.36	2315.11	113.51	2315	114.11	2314.55	114.88	2314
115.01	2313.92	116.14	2313	116.59	2312.58	116.94	2312.31	117.23	2312
117.37	2311.89	118.11	2311	118.34	2310.76	118.97	2310	119.02	2309.95
119.1	2309.86	119.86	2309	120.17	2308.66	120.75	2308	121.25	2307.47
121.46	2307.23	121.66	2307	122.51	2306.09	122.59	2306	122.65	2305.92
122.89	2305.67	123.53	2305	123.58	2304.95	124.5	2304	124.56	2303.97
124.77	2303.89	124.94	2303.82	125.16	2303.7	125.81	2303	128.4	2302.99
131.22	2302.99	135.07	2303	135.23	2303	136.8	2303	137.09	2303.25
137.99	2304	138.48	2304.3	139.37	2305	140.16	2305.48	140.81	2306
141.74	2306.6	142.34	2307	147.6	2307.6	152.63	2308	168.32	2308.02
170.28	2308.02	171.26	2308.02	183.77	2308.01	184.51	2308	187.17	2308
188.67	2308	188.81	2308	188.88	2308	188.9	2308	188.91	2308
189.13	2308	189.45	2308.22	190.62	2309	191.26	2309.61	191.67	2310
191.96	2310.41	192.45	2311	192.5	2311	193.06	2311.05	194.2	2311.15
202.03	2312	203.81	2312.31	208.17	2313	208.47	2313.28	209.28	2314
209.64	2314.3	210.3	2315	211.29	2315.77	211.55	2316	212.64	2316.87
212.77	2317	212.83	2317.06	213.76	2318	214.49	2318.64	214.84	2319
215.78	2319.79	215.94	2320	216.28	2320.23	217.25	2321	221.26	2321.79
221.85	2322	227.16	2322.98	227.28	2323	227.55	2323.05	232.62	2324
233.44	2324.15	238.12	2325	240.81	2325.55	243.12	2326	243.29	2326.04
246.52	2327	247.58	2327.37	249.52	2328	250.14	2328.24	252.28	2329
252.54	2329.1	255.02	2330	255.54	2330.19	257.97	2331	260.7	2331.73
261.8	2332	263.94	2332.73	264.82	2333	265.77	2333.31	267.77	2334
269.25	2334.48	270.77	2335	273.36	2335.7	274.51	2336	275.28	2336.23
277.77	2337	280	2337.63	281.22	2338	282.1	2338.24	284.6	2339
285.91	2339.33	288.4	2340	290.33	2340.41	291.1	2340.57	291.25	2340.59
293.35	2341	297.88	2341.65	300.18	2342	302.95	2342.4		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	122.89	.027	290.33	.035

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        122.89  290.33             91.87   91.31   69.81            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2311.42    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.57    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2309.85    Reach Len. (ft)           91.87      91.31      69.81
  Crit W.S. (ft)           2309.85    Flow Area (sq ft)          7.95     211.02
  E.G. Slope (ft/ft)      0.008013    Area (sq ft)               7.95     211.02
  Q Total (cfs)            2173.00    Flow (cfs)                38.05    2134.95
  Top Width (ft)             72.40    Top Width (ft)             3.78      68.62
  Vel Total (ft/s)            9.92    Avg. Vel. (ft/s)           4.78      10.12
  Max Chl Dpth (ft)           6.86    Hydr. Depth (ft)           2.11       3.08
  Conv. Total (cfs)        24275.1    Conv. (cfs)               425.0    23850.0
  Length Wtd. (ft)           91.31    Wetted Per. (ft)           5.63      71.70
  Min Ch El (ft)           2302.99    Shear (lb/sq ft)           0.71       1.47
  Alpha                       1.03    Stream Power (lb/ft s)   302.95       0.00       0.00
  Frctn Loss (ft)             0.70    Cum Volume (acre-ft)       0.01      30.75
  C & E Loss (ft)             0.03    Cum SA (acres)             0.00      24.53


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 4157

INPUT
Description:
Station Elevation Data    num=     191
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2332.75      .6 2332.61     .81 2332.57    3.05    2332    6.41 2331.29
    7.72    2331   10.63 2330.36   12.17    2330   23.29 2329.04   23.67    2329
   23.81 2328.98   24.57 2328.87   27.72  2328.4   30.35    2328   32.45 2327.73
   37.89    2327   42.36 2326.56   47.39    2326   51.91 2325.35   53.91    2325
   58.01 2324.13   58.63    2324   62.02 2323.28   62.68 2323.15   63.27 2323.05
    63.6    2323   64.29  2322.9   65.03 2322.79      66 2322.67   70.53 2322.09
   70.88 2322.05   71.01 2322.03   71.18 2322.02   71.28    2322    71.3    2322
   71.33    2322   71.37    2322   72.16 2321.98   72.62 2321.96   72.72 2321.96
   73.38 2321.95   73.91 2321.93   74.74 2321.93   78.29 2321.66   79.12 2321.61
   80.27 2321.53   82.28 2321.48   82.44 2321.47   85.84    2321    92.1 2320.38
   94.93  2320.2   95.43 2320.16   98.36    2320   102.2 2319.82  113.27    2319
  120.29 2318.56  128.11    2318  134.45 2317.21  134.79 2317.16  135.89    2317
  140.84 2316.17   141.8    2316  146.43  2315.1  146.58 2315.07  146.75 2315.03
  146.89    2315  146.94 2314.98  147.18 2314.86  147.38 2314.76  148.83    2314
  148.93 2313.95  150.71    2313  151.47  2312.6  152.62    2312  153.44 2311.56
  154.54    2311  156.14 2310.69  157.33 2310.25  158.02    2310  158.92 2309.55
  160.25    2309  161.71 2308.36  162.43    2308  164.06 2307.29  164.65    2307
  165.37 2306.68  166.96    2306  168.15  2305.5  169.42    2305   170.7 2304.45
  170.94 2304.33  172.71 2303.86  178.73 2303.39   181.5 2303.24  181.93 2303.22
  188.43  2302.7  190.12 2302.56  191.01 2302.48  206.22    2301   206.5 2301.17
  207.84    2302  209.28 2302.78  209.62    2303  211.07 2303.82  211.36    2304
   211.7  2304.2  213.03    2305  213.87  2305.5  214.61    2306  214.67 2306.04
  216.66    2307  217.14 2307.19  219.29    2308  220.16 2308.34  222.07    2309
  224.74 2309.82   225.4    2310  228.77 2310.91  229.16    2311  229.24 2311.09
  229.95    2312     230 2312.08   230.7    2313  231.41 2313.87   231.5    2314
  231.58 2314.14  232.27    2315  232.96 2315.85  233.06    2316  233.75 2316.85
  233.86    2317  233.95 2317.14  234.59    2318  235.24 2318.77   235.4    2319
  236.04 2319.77   236.2    2320  236.84 2320.77     237    2321  237.64 2321.77
   237.8    2322  238.44 2322.77  238.61    2323  238.77 2323.23  239.41    2324
   239.7  2324.4  240.17    2325  240.58 2325.58  240.94    2326  242.78 2326.52
  243.34    2327  245.25 2327.46  247.41    2328  249.77 2328.55  251.58    2329
  254.23 2329.63  255.66    2330  257.88 2330.55  259.68    2331  263.62 2331.92
  263.92    2332  265.14  2332.4  267.01    2333  268.81 2333.56  270.41    2334
  272.11 2334.47  274.19    2335  275.53 2335.36  278.15    2336  280.01 2336.46
  282.46    2337   284.7 2337.55  286.59    2338  289.58  2338.6  291.35 2338.95
  291.58    2339   293.3 2339.36  296.34    2340  298.33 2340.41   301.3    2341
  302.79 2341.26  305.84 2341.74  307.25    2342  309.36 2342.25  310.14 2342.34
  316.08    2343   322.9 2343.71   323.8  2343.8  324.29 2343.85  325.97    2344
  326.45 2344.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  157.33    .027  291.35    .035
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        157.33  291.35            99.54   80.92   54.65             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2308.95    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.89    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2307.06    Reach Len. (ft)           99.54     80.92      54.65
  Crit W.S. (ft)           2307.06    Flow Area (sq ft)                  197.15
  E.G. Slope (ft/ft)      0.007251    Area (sq ft)                       197.15
  Q Total (cfs)            2173.00    Flow (cfs)                        2173.00
  Top Width (ft)             52.29    Top Width (ft)                      52.29
  Vel Total (ft/s)           11.02    Avg. Vel. (ft/s)                    11.02
  Max Chl Dpth (ft)           6.06    Hydr. Depth (ft)                     3.77
  Conv. Total (cfs)        25518.3    Conv. (cfs)                       25518.3
  Length Wtd. (ft)           80.92    Wetted Per. (ft)                    54.66
  Min Ch El (ft)           2301.00    Shear (lb/sq ft)                     1.63
  Alpha                       1.00    Stream Power (lb/ft s)    326.45     0.00       0.00
  Frctn Loss (ft)             0.61    Cum Volume (acre-ft)                30.32
  C & E Loss (ft)             0.03    Cum SA (acres)                      24.40


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 4076

INPUT
Description:
Station Elevation Data    num=     129
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2322.78     .15 2322.76    5.67    2322   11.55 2321.29   14.72 2321.05
   15.23    2321   16.37 2320.88   18.72 2320.78   19.29 2320.74   20.09 2320.69
   27.67 2320.17   29.65    2320   31.98 2319.72    37.4    2319   44.27 2318.24
   46.73    2318   48.09 2317.87   55.43    2317   61.18 2316.39    63.9    2316
   68.43 2315.57   68.97 2315.51   73.49    2315   78.99  2314.3   81.38    2314
      82  2313.9   84.41 2313.54   85.61 2313.38   86.35 2313.28    86.8 2313.23
   88.73    2313   88.88 2312.97   89.04 2312.94   91.64 2312.48   94.23 2312.01
   94.31    2312   97.62 2311.43  100.27    2311  106.68 2310.07  106.79 2310.05
  106.99    2310  109.38 2309.39  110.93    2309  112.39 2308.63  114.74    2308
  114.99 2307.93  118.02 2307.13  118.49    2307  121.35 2306.21   122.1    2306
  123.95 2305.74  124.24 2305.71     134    2305  138.25 2304.64   139.2    2304
  139.49 2303.68  140.42    2303  141.02 2302.25  141.34    2302   141.6 2301.71
  142.43    2301  142.87 2300.56  143.42    2300   143.8 2299.62  144.39    2299
  147.31 2298.99   151.5    2299   151.7 2299.47  152.26    2300  159.05 2300.21
  164.41 2300.39  164.61 2300.53  166.19 2301.44  167.75 2302.32  206.54 2314.67
  214.02 2318.02  217.14 2319.96  217.29    2320  219.62 2320.66  220.97    2321
  221.25 2321.06  225.02    2322  225.98 2322.22  229.18    2323  232.58 2323.71
  233.77    2324   236.6 2324.66  238.08    2325  241.07 2325.69  242.31    2326
  245.23 2326.66  246.44    2327  247.99 2327.49  249.86    2328  251.69  2328.6
  253.06    2329  254.31 2329.41   254.5 2329.47  256.05    2330  257.34 2330.44
  259.16    2331  260.26 2331.36  262.35    2332  263.98 2332.53  265.57    2333
  265.88  2333.1  268.86    2334  269.89 2334.38  271.74    2335  272.44 2335.28
   274.2    2336   275.9 2336.61  276.32 2336.74  276.56  2336.8  277.64    2337
  282.03 2337.79  283.07    2338   286.2 2338.59  288.07    2339   291.2 2339.58
  291.43 2339.64  292.27 2339.82  292.53 2339.88  292.96    2340  294.19  2340.3
  297.64    2341  300.41 2341.49  303.46    2342   303.5 2342.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  118.02    .027  254.31    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        118.02  254.31           130.38  110.02    85.6             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2307.86    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.79    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2306.07    Reach Len. (ft)          130.38     110.02      85.60
  Crit W.S. (ft)           2306.07    Flow Area (sq ft)                  202.11
  E.G. Slope (ft/ft)      0.007828    Area (sq ft)                       202.11
  Q Total (cfs)            2173.00    Flow (cfs)                        2173.00
  Top Width (ft)             57.66    Top Width (ft)                      57.66
  Vel Total (ft/s)           10.75    Avg. Vel. (ft/s)                    10.75
  Max Chl Dpth (ft)           7.08    Hydr. Depth (ft)                     3.51
```

Conv. Total (cfs)	24560.3	Conv. (cfs)	24560.3			
Length Wtd. (ft)	110.02	Wetted Per. (ft)	61.60			
Min Ch El (ft)	2298.99	Shear (lb/sq ft)	1.60			
Alpha	1.00	Stream Power (lb/ft s)	303.50	0.00	0.00	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	29.95			
C & E Loss (ft)	0.06	Cum SA (acres)	24.30			

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 3966

INPUT
Description:
Station Elevation Data num= 195

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2335.97	3.46	2335.74	14.24	2335	21.81	2334.28	26.06	2334
36.62	2333.07	37.35	2333	38.42	2332.81	39.64	2332.5	40.03	2332.41
40.24	2332.36	40.41	2332.31	41.47	2332	41.78	2331.92	44.79	2331
45.87	2330.7	48.14	2330	50.31	2329.26	51.18	2329	53.41	2328.23
54.17	2328	56.48	2327.2	57.13	2327	59.52	2326.17	60.07	2326
63.08	2325.03	63.19	2325	66.12	2324	66.14	2324	66.15	2324
66.65	2323.82	68.56	2323.16	68.97	2323	69.14	2322.94	71.64	2322
73.63	2321.33	74.45	2321	75.33	2320.69	76.98	2320	79.7	2319.1
79.98	2319	82.03	2318.26	82.65	2318.02	82.71	2318	83	2317.92
84.96	2317.33	85.8	2317	86.35	2316.81	89.01	2316	89.55	2315.8
92.13	2315	92.97	2314.7	95.26	2314	98	2313.07	98.29	2313
102.52	2312.01	102.58	2312	102.66	2311.98	102.99	2311.91	104.87	2311.54
107.61	2311	107.77	2310.97	112.88	2310	115.96	2309.7	122.24	2309
125.04	2308.71	128.52	2308.35	131.94	2308	132.34	2307.82	133.94	2307
135.43	2306.19	135.85	2306	136.23	2305.83	137.77	2305	138.37	2304.75
139.64	2304	143.47	2303.16	144.03	2303	145.89	2302.84	155.81	2302
158.51	2301.67	164	2301	164.61	2300.93	171.94	2300	173.9	2299.88
175.41	2299.8	179.59	2299.6	183.03	2299.45	183.25	2299.44	183.36	2299.43
185.61	2299	186.84	2298.57	188.71	2298	188.97	2297.9	190.72	2297.39
192.34	2297	192.39	2297	192.49	2297	192.5	2297	192.51	2297
192.53	2297	206.67	2297.85	209.23	2298	209.32	2298.16	209.98	2299
210.21	2299.3	210.24	2300	210.73	2300.68	211.03	2301	211.56	2301.74
211.77	2302	212.03	2302.29	212.56	2303	212.99	2303.7	213.26	2304
213.52	2304.35	213.96	2305	214.4	2305.49	214.71	2305.57	215.55	2305.67
217.33	2305.8	220.25	2305.94	221.56	2306	227.23	2306.15	228.52	2306.19
230.91	2306.32	241.33	2306.99	241.81	2307	242.21	2307.15	245.28	2308
246.44	2308.41	247.89	2309	248.61	2309.51	249.26	2310	250.15	2310.61
250.57	2311	251.46	2311.63	251.86	2312	252.8	2312.76	253.09	2313
255.04	2313.64	255.46	2313.72	257.52	2314	263.03	2314.57	266.86	2315
272.77	2315.65	274.86	2315.89	275.58	2315.97	275.83	2316	276.18	2316.05
282.7	2317	287.58	2317.91	288.03	2318	288.33	2318.05	289.13	2318.18
293.16	2318.89	293.8	2319	293.99	2319.03	297.02	2319.54	299.71	2320
301.85	2320.3	302.89	2320.43	305.43	2320.77	307	2321	308.55	2321.25
309.42	2321.38	311.39	2321.71	312.67	2321.92	313.12	2322	313.78	2322.13
314.99	2322.37	318.18	2323	320.84	2323.61	322.56	2324	322.94	2324.09
326.59	2325	327.83	2325.38	329.77	2326	332.24	2326.85	332.7	2327
335.54	2327.96	335.68	2328	335.78	2328.04	338.66	2329	341.04	2329.83
341.58	2330	343.83	2330.76	344.55	2331	345.29	2331.29	347.12	2332
348.75	2332.63	349.81	2333	350.64	2333.26	353.21	2334	354.67	2334.38

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	125.04	.027	314.99	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
125.04	314.99	72.88	95.23	138.38	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2304.53	Element	Left OB	Channel	Right OB	
Vel Head (ft)	1.59	Wt. n-Val.		0.027		
W.S. Elev (ft)	2302.94	Reach Len. (ft)	72.88	95.23	138.38	
Crit W.S. (ft)	2302.94	Flow Area (sq ft)		214.72		
E.G. Slope (ft/ft)	0.007739	Area (sq ft)		214.72		
Q Total (cfs)	2173.00	Flow (cfs)		2173.00		
Top Width (ft)	67.74	Top Width (ft)		67.74		
Vel Total (ft/s)	10.12	Avg. Vel. (ft/s)		10.12		
Max Chl Dpth (ft)	5.94	Hydr. Depth (ft)		3.17		
Conv. Total (cfs)	24701.7	Conv. (cfs)		24701.7		

Length Wtd. (ft)	95.23	Wetted Per. (ft)		71.05	
Min Ch El (ft)	2297.00	Shear (lb/sq ft)		1.46	
Alpha	1.00	Stream Power (lb/ft s)	354.67	0.00	0.00
Frctn Loss (ft)	0.73	Cum Volume (acre-ft)		29.42	
C & E Loss (ft)	0.01	Cum SA (acres)		24.14	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 3871

INPUT
Description:
Station Elevation Data num= 266

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2336.58	.16	2336.57	3.09	2336.31	6.37	2336.02	6.48	2336.01
6.69	2336	8.09	2335.73	14.35	2335	15.69	2334.64	18.49	2334
19.62	2333.71	22.48	2333	25.22	2332.33	26.54	2332	29.84	2331.22
30.72	2331	34.43	2330.13	34.95	2330	35.46	2329.88	39.21	2329
39.48	2328.94	43.45	2328	43.5	2327.99	46.17	2327	46.55	2326.87
47.14	2326.63	48.82	2326	50.24	2325.47	51.42	2325	51.53	2324.97
53.46	2324.28	53.85	2324.13	54.19	2324	54.8	2323.78	56.78	2323
56.95	2322.94	58.58	2322.36	59.19	2322.11	59.51	2322	61.48	2321.25
62.13	2321	64.52	2320.19	65.05	2320	68.28	2319.26	69.15	2319
70.58	2318.64	73.31	2318	75.34	2317.54	77.44	2317	79.07	2316.63
81.47	2316	84.97	2315.13	85.53	2315	85.82	2314.95	88.76	2314.19
89.13	2314.1	89.47	2314	89.53	2313.98	95.58	2313	97.96	2312.66
102.33	2312	108	2311.2	108.82	2311.09	109.57	2311	110.88	2310.89
121.6	2310	126.67	2309.76	130.85	2309.57	143.36	2309	150.41	2308.57
151.5	2308.51	155.51	2308.32	156.98	2308.26	159.34	2308.18	163.19	2308
163.25	2308	165.13	2308	166.33	2307.98	169.12	2307.97	170.12	2307.95
177.78	2307.9	181.38	2307.99	181.84	2307.99	181.85	2307.99	184.92	2308
186.86	2308	187.53	2308.21	188.16	2308.25	190.23	2308.58	190.24	2308.59
191.09	2308.36	191.11	2308.36	191.18	2308.34	191.26	2308.31	192.75	2308.06
193.43	2308	194.06	2307.91	194.16	2307.9	195.41	2307.87	195.52	2307.86
196.13	2307.76	196.29	2307.66	197.99	2307.41	198.4	2307.27	198.65	2307.16
199.6	2307.04	199.75	2307	199.79	2307	201.03	2306.73	201.07	2306.72
201.12	2306.7	202.07	2306.43	202.57	2306.27	203.29	2306	204.06	2305.67
204.88	2305.27	205.37	2305	205.61	2304.83	206.68	2304.29	207.08	2304.07
207.24	2304	207.71	2303.67	208.93	2303	209.38	2302.72	211.65	2302
211.77	2301.98	213.59	2301.59	215.04	2301.48	215.38	2301.44	216.45	2301.26
216.81	2301.21	218.7	2301	220.17	2300.5	221.79	2300	223.18	2299.38
223.86	2299.14	224.12	2299	226.21	2298.04	226.29	2298	226.4	2297.94
228.56	2297	230.51	2296.14	230.76	2296	236.83	2295.99	239.82	2295.98
240.78	2295.98	244.52	2295.98	249.67	2296	252.21	2296.39	254.65	2297
254.96	2297.12	255.63	2297.32	256.08	2297.44	258.12	2298	258.65	2298.14
261.55	2299	261.57	2299	262.07	2299	262.37	2298.95	262.64	2298.89
262.93	2298.82	263.14	2298.76	264.18	2298.48	264.39	2298.43	264.47	2298.4
265.96	2298	268.66	2297.95	268.99	2297.94	270.06	2297.92	270.93	2297.9
271.85	2297.78	274.43	2297.56	274.95	2297.55	278.32	2298	278.4	2298.23
278.67	2299	278.96	2299.78	279.02	2300	279.09	2300.18	279.38	2301
279.45	2301.18	279.74	2302	279.81	2302.17	280.07	2303	280.35	2303.76
280.45	2304	280.73	2304.77	280.8	2305	280.88	2305.19	281.18	2306
281.25	2306.18	281.56	2307	281.74	2307.8	281.82	2308	282.09	2308.81
282.17	2309	282.45	2309.82	282.52	2310	282.8	2310.83	282.87	2311
283.03	2311.5	283.2	2312	283.39	2312.57	283.54	2313	283.75	2313.61
283.89	2314	284.1	2314.63	284.22	2315	284.41	2315.57	284.55	2316
284.66	2316.01	284.93	2316.11	285.36	2316.24	285.51	2316.29	285.71	2316.28
287.03	2316	287.93	2315.8	288.02	2315.8	288.12	2315.81	288.19	2315.84
289.1	2315.81	289.19	2315.84	290.27	2315.93	290.31	2315.95	290.52	2315.99
290.59	2316	291.58	2316.16	291.69	2316.18	291.85	2316.21	292.87	2316.46
295.02	2316.99	295.05	2317	298.5	2317.67	299.26	2317.83	300.28	2318
303.99	2318.54	306.83	2319	310.31	2319.76	311.48	2320	312.55	2320.22
316.19	2321	318.27	2321.44	318.75	2321.55	320.86	2322	323.9	2322.72
325.21	2323	327.3	2323.52	328.93	2324	329.24	2324.09	332.48	2325
335.07	2325.71	336.02	2326	338.64	2326.74	339.51	2327	340.41	2327.29
342.92	2328	345.53	2328.68	346.46	2329	347.47	2329.3	350.15	2330
352.82	2330.97	352.92	2331	353.04	2331.03	353.45	2331.15	357.09	2332
357.26	2332.04								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	130.85	.027	318.75	.035

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
        130.85  318.75           190.81     199  149.52             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

E.G. Elev (ft)	2302.53	Element	Left OB	Channel	Right OB	
Vel Head (ft)	1.73	Wt. n-Val.		0.027		
W.S. Elev (ft)	2300.80	Reach Len. (ft)	190.81	199.00	149.52	
Crit W.S. (ft)	2300.80	Flow Area (sq ft)		205.86		
E.G. Slope (ft/ft)	0.007674	Area (sq ft)		205.86		
Q Total (cfs)	2173.00	Flow (cfs)		2173.00		
Top Width (ft)	60.01	Top Width (ft)		60.01		
Vel Total (ft/s)	10.56	Avg. Vel. (ft/s)		10.56		
Max Chl Dpth (ft)	4.82	Hydr. Depth (ft)		3.43		
Conv. Total (cfs)	24805.8	Conv. (cfs)		24805.8		
Length Wtd. (ft)	199.00	Wetted Per. (ft)		63.54		
Min Ch El (ft)	2295.98	Shear (lb/sq ft)		1.55		
Alpha	1.00	Stream Power (lb/ft s)	357.26	0.00	0.00	
Frctn Loss (ft)	1.11	Cum Volume (acre-ft)		28.96		
C & E Loss (ft)	0.39	Cum SA (acres)		24.00		

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 3672

INPUT
Description:
Station Elevation Data    num=     220
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2338.01     .56 2338.01    3.36    2338    9.65 2337.41   11.03  2337.3
   13.07 2337.13   22.62 2336.08      23 2336.04   23.31    2336   23.82 2335.77
    24.2  2335.6    25.5    2335      27 2334.33   27.72    2334   29.46 2333.21
   29.94    2333    31.8 2332.16   32.16    2332   34.08 2331.14   34.38    2331
   34.64 2330.89    35.8 2330.31    36.5    2330   36.92 2329.82   38.65    2329
    39.4 2328.67   40.89    2328   42.01 2327.53   43.45    2327   45.53 2326.31
   46.23    2326    48.8 2325.25   49.45    2325   50.26 2324.76   52.95    2324
   54.09 2323.66   56.42    2323   58.16 2322.53   60.16    2322   62.76 2321.32
    63.9    2321   64.95 2320.72   67.85    2320   68.91 2319.72   72.16    2319
   74.06 2318.57   76.39    2318   78.55 2317.48   80.31    2317   81.83 2316.63
   84.46    2316    87.6 2315.33    89.4    2315   90.03 2314.97   92.88 2314.44
   94.08 2314.25   95.98 2314.01   96.07    2314   98.16 2313.49    98.5 2313.41
  100.51    2313  100.99  2312.9  101.82 2312.81  103.63 2312.53  104.54 2312.44
  107.25 2312.04  107.34 2312.03  107.39 2312.02  107.67    2312  107.71    2312
   108.2 2311.92  110.05 2311.59  110.87 2311.48  112.31 2311.28  114.07    2311
  121.49 2310.07  122.06    2310  122.11    2310   122.2    2310  122.25 2309.98
  122.43 2309.89  124.15    2309  124.88 2308.58  125.86    2308  126.49 2307.57
  126.57 2307.51  126.62 2307.48  127.44    2307  127.66 2306.87  127.74 2306.82
  129.08    2306  130.63 2305.02   130.7    2305  130.81 2304.93  131.14  2304.7
  132.28    2304  132.73 2303.69  133.89    2303   134.9  2302.3  135.37    2302
  135.92 2301.65  136.71 2301.14  136.86 2301.05  136.95    2301  137.83 2300.49
   138.6 2300.04  138.68    2300  138.73 2299.98  139.64 2299.55  140.78    2299
  142.13 2298.33  142.82    2298  143.12 2297.85  144.82    2297  145.53 2296.65
   146.8    2296  148.44  2295.9  149.55 2295.89  150.02 2295.89  150.53 2295.87
  151.12 2295.85  151.77 2295.82  153.23 2295.76  164.01 2295.21  164.42  2295.2
  164.87 2295.19  165.43 2295.18  166.11 2295.16  166.83 2295.16  167.13 2295.14
  167.27 2295.14  167.42 2295.13  167.57 2295.12  167.77 2295.12  167.95 2295.11
  168.62 2295.11  168.67 2295.11  169.25 2295.12  177.23 2295.07  185.74    2295
  186.17    2295  186.21    2295  186.37    2295  186.91    2295  187.07    2295
     188    2295  188.21    2295  188.99    2295  189.22    2295  189.61    2295
  189.76    2295  190.26    2295  190.32    2295  190.55    2295  191.16    2295
  191.63    2295   201.9 2295.24  208.74 2295.36  209.66 2295.35  214.58 2295.28
  218.81 2295.25  246.38 2295.37  252.48 2295.38  253.52 2295.38  254.41 2295.39
   261.3 2295.46  262.26 2295.46  263.23 2295.46  266.48 2295.55  271.81 2295.75
  275.28 2295.94  275.79 2295.93  276.26    2296  276.91    2296  278.13 2296.01
  281.57 2296.02  282.22 2296.03  282.37 2296.03  283.88 2296.03  291.68 2296.19
   294.9 2296.29   296.1 2296.33  317.69 2296.01  317.71 2296.01  317.74 2296.01
  317.81 2296.01  318.22    2296  323.88 2295.72  327.64 2295.42   329.4 2295.29
  331.09  2295.1  331.39 2295.07  331.48 2295.06  331.59 2295.04  331.83    2295
  336.57 2294.07  336.76    2294  345.96 2293.95   347.6 2293.95  353.34 2293.98
  353.54 2293.98  357.01    2294  358.08 2294.26  360.86    2295  362.14 2295.54
  363.05    2296  364.62 2296.74  365.18    2297  365.71 2297.26  367.36    2298
  367.69  2298.2  368.75 2298.74  369.38    2299  370.01 2299.26  370.58 2299.47
  370.95  2299.6  371.63 2299.83  371.97    2300  372.35 2300.19  372.55  2300.3
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  139.64    .027  370.58    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        139.64  370.58           136.74  117.23 1218.66            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2297.65    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.45    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2297.21    Reach Len. (ft)          136.74     117.23    1218.66
  Crit W.S. (ft)                      Flow Area (sq ft)                   405.13
  E.G. Slope (ft/ft)       0.004267   Area (sq ft)                        405.13
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            221.19    Top Width (ft)                      221.19
  Vel Total (ft/s)            5.36    Avg. Vel. (ft/s)                      5.36
  Max Chl Dpth (ft)           3.26    Hydr. Depth (ft)                      1.83
  Conv. Total (cfs)        33266.5    Conv. (cfs)                        33266.5
  Length Wtd. (ft)          117.23    Wetted Per. (ft)                    222.29
  Min Ch El (ft)           2293.95    Shear (lb/sq ft)                      0.49
  Alpha                       1.00    Stream Power (lb/ft s)   372.55       0.00       0.00
  Frctn Loss (ft)             0.66    Cum Volume (acre-ft)                 27.57
  C & E Loss (ft)             0.11    Cum SA (acres)                       23.36

Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 3554

INPUT
Description:
Station Elevation Data    num=     182
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2328.09     .65    2328    2.74 2327.72    6.65    2327    9.57 2326.56
   12.57 2326.07   12.92    2326   13.25 2325.93   18.45    2325   22.49 2324.21
   23.58    2324   23.92 2323.93   28.46    2323   32.04  2322.3   33.43    2322
   36.86 2321.26   38.21    2321   39.47 2320.73   43.16    2320   44.48 2319.71
   48.14    2319   51.65 2318.27   52.87    2318   54.37 2317.66   57.56    2317
   61.04 2316.34   63.08    2316   64.97 2315.66    68.6    2315   71.44 2314.51
   74.16    2314   76.76 2313.48   79.61    2313   83.79 2312.28   85.55    2312
   91.46 2311.08   91.94    2311   94.97 2310.48   97.8     2310   98.67 2309.87
  103.83    2309   104.3 2308.93  109.98    2308  111.65 2307.74  116.59    2307
  123.53  2306.1  124.51    2306  126.19 2305.73  132.01    2305   132.2 2304.66
  132.67 2304.09  132.77    2304  132.78 2303.97  133.45    2303   133.5 2302.19
  133.58    2302  133.71 2301.71     134    2301  134.23 2300.46  134.42    2300
  134.77 2299.15  134.84    2299  135.01  2298.6  135.32    2298  135.35 2297.94
  135.84    2297  135.91 2296.84  136.35    2296  136.77 2295.51  137.05    2295
  137.34 2294.04  137.36    2294   137.4 2293.91  137.78    2293  138.07 2292.16
  138.11 2292.13  138.13    2292  138.15 2291.92  138.54    2291  138.95 2290.12
  138.98    2290  140.41 2289.99  142.67 2289.98  142.73 2289.98  142.78 2289.98
  142.83 2289.98   146.9 2289.94  150.68 2289.95  155.31    2290  156.71 2290.56
  157.57    2291  159.44 2291.99  159.47    2292  170.31 2292.38  170.94  2292.4
  175.51  2292.5   178.8 2292.56  183.81 2292.69  184.71  2292.7   185.7  2292.7
  188.57 2292.79  191.61 2292.92  192.07 2292.94  193.13    2293  194.48 2293.33
  196.89    2294  199.23 2294.71  200.26    2295  200.46    2295   206.7 2295.34
  209.96  2295.5  234.47 2295.76  235.14 2295.77  235.85 2295.79  238.65 2295.84
  240.39 2295.87  244.69 2295.99  244.82 2295.99  244.98 2295.99   245.5 2295.99
  246.11 2295.99  246.47    2296  246.77    2296  246.96    2296  247.07    2296
  247.31    2296  247.46    2296  249.23  2296.1  249.81 2296.13  253.32 2296.34
  257.03 2296.59  259.62 2296.67  261.82 2296.79  262.88 2296.84  265.93 2296.82
   268.5 2296.86  277.08 2296.89  277.42 2296.89  277.49 2296.89  279.61 2296.93
  281.97    2297  282.08    2297  284.87  2297.4  286.02 2297.57  288.31    2298
  291.57 2298.46  295.35    2299  297.85 2299.22  299.98 2299.42  304.42 2299.84
  306.12    2300  313.39 2300.67  317.16    2301  322.38 2301.46   328.1    2302
  333.87 2302.67  336.96    2303   342.7 2303.76   344.6    2304  350.05 2304.82
  351.34    2305  354.11 2305.41  357.61 2305.92  358.13    2306   360.5 2306.36
  361.45  2306.5   364.7 2306.96  364.99    2307  365.25 2307.04  367.07  2307.5
  367.74 2307.64  369.16    2308  370.78 2308.48  372.47 2308.95  372.68    2309
  373.95 2309.36  376.61    2310  377.61 2310.12  381.27    2311  383.19 2311.49
   385.6    2312  385.91  2312.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035       0    .027  385.91    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
             0  385.91           159.79  152.92       0            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2296.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.56    Wt. n-Val.                          0.027
```

W.S. Elev (ft)	2295.32	Reach Len. (ft)	159.79	152.92	0.00
Crit W.S. (ft)	2295.32	Flow Area (sq ft)		216.65	
E.G. Slope (ft/ft)	0.007898	Area (sq ft)		216.65	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	69.37	Top Width (ft)		69.37	
Vel Total (ft/s)	10.03	Avg. Vel. (ft/s)		10.03	
Max Chl Dpth (ft)	5.38	Hydr. Depth (ft)		3.12	
Conv. Total (cfs)	24452.0	Conv. (cfs)		24452.0	
Length Wtd. (ft)	152.92	Wetted Per. (ft)		73.76	
Min Ch El (ft)	2289.94	Shear (lb/sq ft)		1.45	
Alpha	1.00	Stream Power (lb/ft s)	385.91	0.00	0.00
Frctn Loss (ft)	1.20	Cum Volume (acre-ft)		26.73	
C & E Loss (ft)	0.06	Cum SA (acres)		22.97	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 3402

INPUT
Description:
Station Elevation Data num= 181

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2322.1	1	2322	4.68	2321.51	8.21	2321.03	8.44	2321
8.47	2321	14.31	2320.25	15.86	2320	19.89	2319.11	20.41	2319
20.75	2318.93	23.55	2318.28	24.93	2318	25.97	2317.8	29.69	2317
33.78	2316.16	34.63	2316	38.41	2315.23	39.68	2315	44.16	2314.11
44.77	2314	46.1	2313.73	49.75	2313	52.5	2312.41	54.8	2312
57.34	2311.62	61.09	2311	63.35	2310.68	64.24	2310.55	68.47	2310
69.9	2309.77	72.05	2309.44	72.66	2309.33	74.42	2309	74.82	2308.92
76.63	2308.49	78.7	2308	80.68	2307.6	83.36	2307	84.42	2306.78
86.56	2306.22	87.61	2306	92.09	2305.17	92.76	2305	93.93	2304.77
94.44	2304.73	97.05	2304.4	100.86	2304	103.62	2303.72	107.7	2303.38
110.06	2303	112.66	2302.62	114.36	2302.52	115.53	2302.43	117.15	2302.29
120	2302	122.7	2301.76	130.33	2301	136.72	2300.6	139.84	2300.39
145.06	2300	145.91	2299.86	153.8	2299	154.19	2298.77	155.74	2298
156.24	2297.66	156.82	2297	157.75	2296.48	158.44	2296	159.23	2295.44
159.8	2295	160.59	2294.41	161.2	2294	162.13	2293.38	162.69	2293
164.67	2292.05	164.73	2292	164.81	2291.96	165.57	2291	167.43	2290.2
167.83	2290.02	167.91	2290	168.69	2289.94	168.87	2289.92	169.14	2289.91
175.75	2289.47	181.79	2289.07	182.31	2289.04	183.01	2289	183.28	2288.9
186.24	2288	187.27	2287.99	190.21	2287.97	190.39	2287.97	191.31	2287.96
192.01	2287.96	192.47	2287.96	195.51	2287.71	197.01	2287.71	198.98	2287.75
209.01	2287.79	209.64	2287.8	213.35	2287.81	213.78	2287.82	215.2	2287.83
216.45	2287.84	216.56	2287.84	220.12	2287.97	221.78	2287.97	222.46	2287.97
222.49	2287.97	223.38	2287.97	223.82	2287.97	229.87	2287.95	236.21	2287.97
242.67	2287.99	243.48	2287.99	244.51	2287.99	245.09	2287.99	248.53	2288
249.01	2288.63	249.39	2289	249.51	2289.21	250.12	2290	250.36	2290.45
250.85	2291	251.61	2291.93	251.67	2292	251.91	2292.28	252.44	2293
252.96	2293.7	253.19	2294	253.53	2294.46	253.91	2295	254.05	2295.2
254.61	2296	255.76	2296.07	257.1	2296.16	258.73	2296.27	259	2296.29
264.62	2296.58	273.92	2296.66	277.04	2296.71	279.38	2296.74	279.92	2296.75
283.91	2296.79	288.56	2296.86	288.93	2296.86	294.05	2296.95	294.2	2296.95
296.49	2297	300.79	2297.09	302.52	2297.14	315.81	2297.49	324.17	2297.72
333.62	2298	353.07	2298.97	353.4	2299	354.22	2299.09	362.3	2300
365.47	2300.37	370.88	2301	377.89	2301.9	378.48	2302	380.38	2302.34
383.48	2303	385.71	2303.42	388.34	2304	390.22	2304.47	393.05	2305
394.92	2305.34	397.67	2306	399.95	2306.56	401.79	2307	404.23	2307.53
406.27	2308	409.01	2308.62	410.53	2309	414.18	2309.74	415.24	2310
416.89	2310.35								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	0	.027	416.89	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
0	416.89	114.93 109.65	0	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2292.40	Element		Left OB	Channel	Right OB
Vel Head (ft)	1.36	Wt. n-Val.			0.027	
W.S. Elev (ft)	2291.04	Reach Len. (ft)		114.93	109.65	0.00
Crit W.S. (ft)	2291.04	Flow Area (sq ft)			232.03	
E.G. Slope (ft/ft)	0.007861	Area (sq ft)			232.03	

Q Total (cfs)	2173.00	Flow (cfs)		2173.00		
Top Width (ft)	85.34	Top Width (ft)		85.34		
Vel Total (ft/s)	9.37	Avg. Vel. (ft/s)		9.37		
Max Chl Dpth (ft)	3.33	Hydr. Depth (ft)		2.72		
Conv. Total (cfs)	24508.0	Conv. (cfs)		24508.0		
Length Wtd. (ft)	109.65	Wetted Per. (ft)		87.27		
Min Ch El (ft)	2287.71	Shear (lb/sq ft)		1.30		
Alpha	1.00	Stream Power (lb/ft s)	416.89	0.00	0.00	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		25.94		
C & E Loss (ft)	0.11	Cum SA (acres)		22.69		

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 3292

INPUT
Description:
Station Elevation Data num= 254

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2313.48	.72	2313.34	2.48	2313	3.89	2312.72	7.49	2312
10.95	2311.3	12.62	2311	13.51	2310.84	13.65	2310.82	14.97	2310.62
15.49	2310.58	16.51	2310.47	18.59	2310.34	25.8	2310	29.86	2309.8
33.36	2309.63	38.33	2309.49	39.55	2309.45	40.24	2309.42	45.35	2309
52.64	2308.39	54.09	2308.24	56.22	2308	59.86	2307.63	64.92	2307
65.44	2306.94	71.76	2306	78.13	2305.08	78.57	2305	82.57	2304.31
84.13	2304	89.12	2303.01	89.16	2303	89.17	2303	89.18	2303
93.58	2302	94.28	2301.84	97.75	2301	99.79	2300.54	102.28	2300
104.95	2299.45	106.94	2299	110.23	2298.27	111.42	2298	115.43	2297.13
115.92	2297	117.66	2296.89	120.58	2296.71	122.08	2296.62	123.24	2296.55
127.44	2296.38	131.8	2296	137.67	2295.69	139.38	2295.61	143.93	2295.41
144.34	2295.39	144.69	2295.37	152.18	2295	154.45	2294.9	159.79	2294.64
172.65	2294	181.86	2293.03	182	2293	183.14	2292.03	183.18	2292
184.32	2291.03	184.36	2291	185.22	2290.18	185.49	2290	186.27	2289.3
186.71	2289	187.06	2288.72	187.94	2288	188.23	2287.6	188.51	2287
188.81	2286.52	189.13	2286	189.46	2285.51	189.8	2285	196.66	2284.94
197.47	2284.94	198.64	2284.95	198.78	2284.95	201.52	2284.96	207.69	2285
208.05	2285	208.52	2285	213.5	2285.02	215.21	2285.03	217.89	2285.04
218.04	2285.04	220.61	2285.06	221.78	2285.06	221.97	2285.06	224.83	2285.08
225.36	2285.08	225.52	2285.08	228.36	2285.09	228.66	2285.09	233.16	2285.11
233.41	2285.11	236.11	2285.2	255.52	2285.81	263.72	2286	263.86	2286
264.95	2286	265.11	2286	265.28	2286	266.24	2286	266.34	2286
267.94	2286	268.63	2286	268.81	2286	270.17	2286	271.24	2286
272.34	2286	274.17	2286	277.43	2286.31	280.81	2286.49	287.01	2286.99
287.19	2286.99	288.74	2286.99	290.63	2287	317.33	2287.59	320.09	2287.64
323.05	2287.61	327.05	2287.52	327.48	2287.46	327.97	2287.43	328.29	2287.45
328.42	2287.51	328.58	2288	328.78	2288.48	328.97	2289	329.26	2289.61
329.36	2290	329.66	2290.74	329.73	2291	330.28	2291.95	330.3	2292
330.73	2292.98	330.74	2293	331.19	2293.11	334.66	2294	337.1	2294.23
345.55	2295	350.56	2295.48	356.72	2296	364.57	2296.95	365.01	2297
369.21	2297.59	372.18	2298	372.54	2298.05	379.59	2299	383.35	2299.44
383.55	2299.46	383.74	2299.47	389.48	2300	397.43	2300.75	399.84	2301
400.19	2301	400.73	2301	404.36	2301.03	404.96	2301.03	405.23	2301.03
407.76	2301.04	408.23	2301.04	408.9	2301.03	411.52	2301.03	418.04	2301
418.1	2300.99	418.12	2300.99	428.44	2300	432.82	2299.53	437.82	2299
440.25	2298.72	446.91	2298	448.27	2297.84	456.11	2297	456.49	2296.96
459.56	2296.63	460.81	2296.51	462.39	2296.36	462.63	2296.34	462.87	2296.32
466.75	2296	472.05	2295.6	481.21	2295	484.41	2294.69	485.79	2294.55
488.16	2294.35	489.63	2294.21	490.16	2294.17	491.97	2294.08	492.28	2294.06
492.36	2294.06	493.39	2294.1	494.03	2294.07	494.68	2294.1	496.5	2294.2
499.46	2294.41	503.22	2294.65	508.4	2295	509.97	2295.02	527.22	2295.68
531.69	2295.84	532.31	2295.86	535.33	2295.98	535.5	2295.98	536.08	2296
536.37	2296	536.64	2296	537.06	2296.01	537.52	2296.01	538.12	2296.01
543.99	2296.19	555.81	2296.41	568.1	2296.91	568.73	2296.93	569.1	2296.94
570.43	2297	578.66	2297.4	579.48	2297.44	582.73	2297.58	583.31	2297.6
584.86	2297.65	585.29	2297.67	586.5	2297.71	587.89	2297.76	589.51	2297.81
590.15	2297.83	590.65	2297.85	592.95	2298	605.38	2298.91	606.45	2299
617.23	2299.76	620	2300	620.58	2300.05	622.84	2300.19	628.76	2300.57
630.69	2300.7	631.66	2300.75	632.25	2300.79	635.33	2301	637.08	2301.26
637.95	2301.33	640.44	2301.49	646.07	2302	652.1	2302.73	654.67	2303
657.22	2303.35	660.66	2303.62	662.99	2304	666.88	2304.63		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	0	.027	666.88	.035

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
             0  666.88             96.36  112.61       0             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2288.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.99    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2287.99    Reach Len. (ft)           96.36     112.61       0.00
  Crit W.S. (ft)           2287.99    Flow Area (sq ft)                   272.37
  E.G. Slope (ft/ft)      0.008879    Area (sq ft)                        272.37
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            140.63    Top Width (ft)                      140.63
  Vel Total (ft/s)            7.98    Avg. Vel. (ft/s)                      7.98
  Max Chl Dpth (ft)           3.05    Hydr. Depth (ft)                      1.94
  Conv. Total (cfs)        23061.1    Conv. (cfs)                        23061.1
  Length Wtd. (ft)          112.61    Wetted Per. (ft)                    142.74
  Min Ch El (ft)           2284.94    Shear (lb/sq ft)                      1.06
  Alpha                       1.00    Stream Power (lb/ft s)    666.88      0.00       0.00
  Frctn Loss (ft)             0.95    Cum Volume (acre-ft)                 25.31
  C & E Loss (ft)             0.02    Cum SA (acres)                       22.41


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 3179

INPUT
Description:
Station Elevation Data    num=     190
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2308.47    1.81 2308.03    1.96    2308    7.07    2307    7.08    2307
   12.26    2306   17.23    2305   17.24    2305   22.17    2304   22.68 2303.91
   27.62 2303.09   27.72 2303.07   28.17    2303   28.53 2302.93   32.04 2302.31
   33.75    2302   33.78    2302   33.83 2301.99    42.2    2301   48.27 2300.26
   50.15    2300   52.67 2299.68   56.69 2299.25   57.09 2299.21   57.39 2299.18
   59.11    2299   64.05 2298.31   65.12 2298.18   65.57 2298.13   66.64    2298
   68.89 2297.76   76.22    2297   80.91 2296.48   85.18    2296   97.44 2295.14
    98.8    2295     103 2294.65  110.85    2294  120.53 2293.13  122.08    2293
  128.95 2292.39  133.76    2292  133.97 2291.99  134.46 2291.98  148.92 2291.49
  163.73    2291  164.66 2290.97  166.24 2290.94  171.82 2290.75  192.29 2290.05
  196.12    2290  196.28 2289.94  199.07    2289  200.15 2288.58   201.5    2288
  202.76 2287.54   203.9    2287  212.04 2286.56  217.71 2286.36  227.48    2286
  231.42 2285.72  242.78 2285.26  246.67 2285.11  247.81 2285.07  247.97 2285.07
  248.34 2285.07  249.23    2285  250.15 2284.82   253.5    2284  255.96 2283.43
  257.98    2283  266.61 2282.96  278.39 2282.64  291.76 2282.31   293.7 2282.29
  295.97 2282.23  300.59 2282.13  301.92 2282.11  304.85 2282.01  305.28 2282.01
  307.07    2282  316.98 2281.99  321.45 2281.99  325.67 2281.99  330.06    2282
  330.35 2282.34  330.91    2283  331.37 2283.53  331.84    2284  335.67 2284.98
  335.87    2285  336.75 2285.14  342.78    2286  344.02 2286.53  344.91    2287
  346.14 2287.56   347.3    2288  349.49 2288.02  357.37 2288.07  360.23 2288.09
  369.58 2288.02   372.5    2288   375.6 2287.86  391.45    2287  392.58 2286.97
  393.54 2286.96  395.53    2287  395.61    2287   395.7    2287   396.3 2287.04
  406.54    2288  422.07 2288.74  424.53 2288.86   427.8    2289  432.88 2289.96
  433.08    2290   437.8 2290.99  437.85    2291  439.85 2291.42  442.19 2291.92
  442.57    2292  444.42 2292.08  449.83  2292.3  466.89    2293  468.32 2293.06
  472.09 2293.24  485.78    2294  493.69 2294.99  493.77    2295  493.86 2295.01
  494.16 2295.05  502.22    2296  504.02  2296.2  510.81    2297  515.61 2297.57
  519.38    2298   522.9 2298.52  526.95    2299  530.27 2299.63  532.11    2300
  534.17 2300.41  537.02    2301   539.1 2301.41  541.78    2302  545.03 2302.65
  546.99    2303  547.82 2303.16  551.76    2304  556.05 2304.89  556.62    2305
  558.11 2305.28  561.31 2305.78  561.91 2305.88  562.17 2305.91  562.79    2306
  565.32 2306.35  569.01 2306.86  569.99 2306.99  570.09    2307  570.92  2307.1
  577.88    2308  579.72 2308.21  580.79 2308.34  586.76    2309  588.54  2309.2
  596.36    2310  596.81 2310.05   605.7    2311  606.19 2311.05  610.32 2311.45
  612.61  2311.7  615.27    2312  615.28    2312  621.15    2313  622.99 2313.28
  627.28    2314  631.87 2314.67  634.05    2315  640.86 2315.97  641.06    2316
  641.19 2316.02  641.76  2316.1  644.04 2316.45  646.76 2316.87   647.5    2317
  652.62 2317.83  653.58    2318  657.45 2318.64  659.45    2319  659.75 2319.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  148.92    .027  579.72    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
        148.92  579.72           114.96  135.17  205.96             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

E.G. Elev (ft)	2286.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.23	Wt. n-Val.		0.027	
W.S. Elev (ft)	2285.43	Reach Len. (ft)	114.96	135.17	205.96
Crit W.S. (ft)	2285.43	Flow Area (sq ft)		244.27	
E.G. Slope (ft/ft)	0.008104	Area (sq ft)		244.27	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	100.22	Top Width (ft)		100.22	
Vel Total (ft/s)	8.90	Avg. Vel. (ft/s)		8.90	
Max Chl Dpth (ft)	3.44	Hydr. Depth (ft)		2.44	
Conv. Total (cfs)	24138.2	Conv. (cfs)		24138.2	
Length Wtd. (ft)	135.17	Wetted Per. (ft)		101.53	
Min Ch El (ft)	2281.99	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)	659.75	0.00	0.00
Frctn Loss (ft)	1.17	Cum Volume (acre-ft)		24.64	
C & E Loss (ft)	0.12	Cum SA (acres)		22.10	

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 3044

INPUT
Description:
Station Elevation Data    num=     190
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2304.57     9.8    2304   10.43 2303.96   25.77    2303   26.36 2302.97
   27.41 2302.91   28.52 2302.82   29.77 2302.72   30.57 2302.63    33.2 2302.37
   35.98    2302   37.66 2301.78   40.66 2301.41   43.65    2301   45.93 2300.69
   51.08    2300   56.73 2299.23   58.34    2299   60.82 2298.69   64.63  2298.2
   66.09    2298    67.2 2297.85   70.48 2297.38   73.61    2297   77.25 2296.51
   81.13    2296   85.57  2295.4   86.83 2295.22   88.58    2295   90.54 2294.74
   95.85    2294   97.44 2293.81  103.34    2293  105.12 2292.78  110.51    2292
  114.52 2291.52  118.38    2291   120.7 2290.72  122.56  2290.5  127.73    2290
   130.6 2289.71  137.52    2289  147.64    2288  147.69    2288  147.76 2287.99
   147.8 2287.99  147.95 2287.98  155.53 2287.49  158.26 2287.34   159.9 2287.26
  161.16 2287.22  167.48    2287  174.85 2286.75  188.93    2286  193.42 2285.54
   198.6    2285  200.69 2284.79  207.94 2284.04   208.3    2284  209.35 2283.94
  209.61 2283.94  212.43 2283.88  214.95 2283.84  214.99 2283.84  215.03 2283.84
  233.55 2283.73  235.17 2283.74  236.74 2283.74  237.43 2283.74  237.56 2283.74
  248.36 2283.86   248.8 2283.87   249.6 2283.87  251.08 2283.89  251.44 2283.89
  251.47 2283.89  251.75 2283.88  255.32 2283.88  266.93  2283.7  274.07 2283.68
  280.95 2283.67  283.13  2283.7  286.89 2283.72  295.88 2283.76   303.4 2283.74
  305.68 2283.63  312.64  2283.2  313.36  2283.2  315.39    2283  315.98  2282.9
  320.84    2282  321.13 2281.95  326.47    2281  328.79 2280.89  330.53 2280.85
  344.71 2280.14  345.66 2280.13  350.55 2280.07  351.29 2280.07  351.85 2280.06
  360.22    2280  360.26    2280  360.32    2280  360.33    2280  364.33 2279.94
  365.84 2279.93  372.69 2279.83  372.81 2279.83   373.1 2279.84  375.82 2279.87
  376.73 2279.88  377.77  2279.9   379.1 2279.92  379.68 2279.93  382.59 2279.97
  384.15    2280  384.22 2280.11  384.51    2281  384.87 2281.56  385.14    2282
  386.15 2282.85  386.25    2283  386.78 2283.84  386.85    2284  387.54 2284.92
  387.59    2285  387.72 2285.14  388.21    2286  388.85 2286.85  388.95    2287
   389.5 2287.84   389.6    2288  389.71 2288.15  390.27    2289  390.98 2289.93
  391.02    2290  391.08 2290.08   391.7    2291  391.78  2291.1  392.29    2292
  401.27 2292.72   402.1 2292.78   402.7 2292.82  403.11 2292.85  403.62 2292.88
  405.35    2293  405.66 2293.08  410.22    2294  411.97 2294.49  413.95    2295
  417.35    2296  417.36    2296  421.07 2296.97  421.19    2297  426.14 2297.96
  426.33    2298  428.92 2298.45  430.77 2298.78  432.05    2299   434.3 2299.52
  436.68    2300  440.64 2300.86   441.3    2301  445.01 2301.84  445.76    2302
  446.75  2302.2  450.01    2303  453.84 2303.69  455.92    2304   459.1 2304.54
  461.86    2305  463.45 2305.29   467.4    2306  472.42 2306.96  472.65    2307
  473.46 2307.15  478.05    2308   479.6 2308.29   483.2    2309  487.14 2309.84
  487.97    2310  492.34 2310.87  493.03    2311  493.73 2311.14  498.07    2312
  501.52 2312.82  501.96 2312.92  502.34    2313  503.44  2313.2  506.41  2313.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   120.7    .027  428.92    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         120.7  428.92           226.57  231.48  300.38             .1       .3
```

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2284.94	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.83	Wt. n-Val.		0.027		
W.S. Elev (ft)	2284.11	Reach Len. (ft)	226.57	231.48	300.38	
Crit W.S. (ft)	2284.11	Flow Area (sq ft)		297.26		
E.G. Slope (ft/ft)	0.009187	Area (sq ft)		297.26		
Q Total (cfs)	2173.00	Flow (cfs)		2173.00		
Top Width (ft)	179.70	Top Width (ft)		179.70		
Vel Total (ft/s)	7.31	Avg. Vel. (ft/s)		7.31		
Max Chl Dpth (ft)	4.28	Hydr. Depth (ft)		1.65		
Conv. Total (cfs)	22671.0	Conv. (cfs)		22671.0		
Length Wtd. (ft)	231.48	Wetted Per. (ft)		182.22		
Min Ch El (ft)	2279.83	Shear (lb/sq ft)		0.94		
Alpha	1.00	Stream Power (lb/ft s)	506.41	0.00	0.00	
Frctn Loss (ft)	2.16	Cum Volume (acre-ft)		23.80		
C & E Loss (ft)	0.03	Cum SA (acres)		21.66		

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: MontgomeryCreek
REACH: MontgomeryCreek RS: 2813

INPUT
Description:
Station Elevation Data num= 224

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2307.85	4.8	2307	7.02	2306.51	9.24	2306	12.86	2305.18
13.65	2305	14.18	2304.88	18.39	2304	18.42	2303.99	18.48	2303.98
18.74	2303.91	21.94	2303	22.96	2302.73	25.48	2302	27.01	2301.6
29.09	2301	30.68	2300.58	32.85	2300	34.93	2299.46	36.68	2299
39.28	2298.33	40.52	2298	41.76	2297.68	44.39	2297	46.93	2296.4
48.47	2296	51.31	2295.3	52.53	2295	55.38	2294.32	56.57	2294
56.83	2293.94	61.2	2293	63.05	2292.67	66.59	2292	68.79	2291.58
71.82	2291	72.98	2290.77	74.85	2290.42	77.01	2290	79.18	2289.58
82.2	2289	84.93	2288.47	87.39	2288	90.48	2287.4	92.58	2287
95.93	2286.35	97.71	2286	98.78	2285.82	103.24	2285	110.34	2284.28
114.5	2284	117.68	2283.79	128.43	2283	139.42	2282.32	142.8	2282.16
146.81	2282	147.15	2281.99	151.02	2281.88	173.76	2281.26	175.67	2281.2
176.96	2281.16	177.85	2281.12	182.59	2281.02	184.44	2281	186	2280.97
186.25	2280.97	186.63	2280.95	188.49	2280.9	190.26	2280.83	192.73	2280.74
194.99	2280.65	211.54	2280	229.47	2279.24	232.58	2279.11	235.64	2279
242.86	2278.63	243.15	2278.62	244.64	2278.53	253.87	2278	253.9	2278
255.38	2277.97	264.04	2277.8	267.35	2277.77	271.67	2277.71	273.19	2277.69
276.2	2277.65	290.5	2277.55	301.4	2277.5	302.78	2277.52	304.29	2277.54
305.3	2277.52	308.17	2277.54	309.32	2277.55	310.28	2277.55	317.89	2277.69
318.74	2277.7	323.83	2277.78	328.62	2277.83	330.51	2277.85	332.11	2277.86
337.47	2277.37	339.16	2277.31	341.79	2277	343.37	2276.99	344.86	2276.99
354.73	2276.83	367.66	2276.66	384.01	2276.75	387.78	2276.79	391.48	2276.44
393.08	2276.53	394.85	2276.27	395.15	2276.26	395.41	2276.22	397.28	2276
397.48	2276	398.18	2276	398.66	2276.05	399.13	2276.01	403.41	2276.1
407.33	2276.02	407.86	2276	428.83	2275.86	433.24	2275.84	445.36	2275.93
452.53	2275.97	457.77	2276	458.01	2276.46	458.4	2277	458.5	2277.21
458.91	2278	459.01	2278.24	459.42	2279	459.56	2279.26	459.95	2280
460.08	2280.28	460.46	2281	460.6	2281.29	460.97	2282	461.12	2282.3
461.49	2283	461.63	2283.32	462	2284	462.34	2284.66	462.5	2285
462.85	2285.65	463.01	2286	463.18	2286.35	463.52	2287	463.76	2287.41
464.07	2288	464.28	2288.42	464.58	2289	464.88	2289.56	465.09	2290
465.38	2290.54	465.6	2291	465.83	2291.46	466.11	2292	466.38	2292.52
466.62	2293	466.88	2293.51	467.12	2294	467.5	2294.59	467.71	2295
467.91	2295.42	468.03	2296	468.52	2296.57	468.72	2297	468.94	2297.43
469.14	2298	469.5	2298.6	469.71	2299	470.05	2299.48	470.3	2300
470.56	2300.52	470.82	2301	471.08	2301.52	471.33	2302	471.59	2302.53
471.82	2303	472.19	2303.42	472.48	2304	473.04	2304.73	473.18	2305
473.34	2305.25	473.44	2305.41	473.73	2305.56	474.73	2306	474.79	2306.02
477.87	2307	479.61	2307.53	481.03	2308	483.27	2308.81	483.9	2309
486.22	2309.75	487.07	2310	489.14	2310.66	490.29	2311	492.1	2311.57
493.54	2312	495.11	2312.49	496.83	2313	498.09	2313.39	500.16	2314
504.25	2314.28	510.68	2315	519.39	2315.85	520.93	2316	525.7	2316.15
525.82	2316.15	525.95	2316.16	525.99	2316.16	531.73	2316.32	535.62	2316.43
535.69	2316.43	543.68	2316.63	543.75	2316.63	548.45	2316.75	571.42	2317
571.62	2317	571.69	2317	576.62	2317	577.13	2317		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

```
       0    .035   74.85    .027  473.34    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         74.85  473.34           225.59  181.36  170.89             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2279.16    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.74    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2278.42    Reach Len. (ft)          225.59     181.36     170.89
  Crit W.S. (ft)           2278.42    Flow Area (sq ft)                   314.46
  E.G. Slope (ft/ft)      0.009442    Area (sq ft)                        314.46
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            212.52    Top Width (ft)                      212.52
  Vel Total (ft/s)            6.91    Avg. Vel. (ft/s)                      6.91
  Max Chl Dpth (ft)           2.58    Hydr. Depth (ft)                      1.48
  Conv. Total (cfs)        22362.6    Conv. (cfs)                        22362.6
  Length Wtd. (ft)          181.36    Wetted Per. (ft)                    214.08
  Min Ch El (ft)           2275.84    Shear (lb/sq ft)                      0.87
  Alpha                       1.00    Stream Power (lb/ft s)    577.13      0.00       0.00
  Frctn Loss (ft)             1.66    Cum Volume (acre-ft)                 22.17
  C & E Loss (ft)             0.01    Cum SA (acres)                       20.62


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 2631

INPUT
Description:
Station Elevation Data    num=     234
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2301.25    1.13    2301    1.81 2300.86    5.88 2300.04    6.08    2300
   10.65 2299.08   11.06    2299   11.58 2298.91   16.26    2298   19.92 2297.24
    21.2    2297   22.56 2296.76   26.39    2296   29.33 2295.36   31.49    2295
   36.24 2294.12   36.83    2294    38.5 2293.71   42.92    2293   48.61 2292.21
   50.13    2292   53.02 2291.62    57.4    2291   61.94  2290.4   64.43 2290.01
   64.51    2290   65.63 2289.85    72.2    2289   72.91 2288.91   79.91    2288
   80.27 2287.95   83.54 2287.52   86.87    2287   87.04 2286.97   87.45 2286.91
    90.8 2286.37   93.14    2286   95.93 2285.56   99.43    2285  101.77 2284.64
  105.68    2284  107.47 2283.73  112.04    2283  117.65 2282.26  119.45    2282
   120.5 2281.84  127.72    2281  129.61  2280.8  137.41    2280   139.5 2279.82
  147.05    2279   150.2 2278.56  157.17    2278  161.69 2277.25   163.1    2277
  166.43 2276.74  176.52 2276.36  177.08 2276.34  177.81 2276.31  188.32    2276
   205.4  2275.5   205.8 2275.49  212.87 2275.26   224.7    2275  250.86 2274.66
  252.52 2274.65  262.14 2274.57  266.04 2274.53   269.8 2274.51  272.49  2274.5
  274.57  2274.5  289.16 2274.45  295.31 2274.39  303.68 2274.25  306.28 2274.16
  309.61 2274.06  309.75 2274.05  311.66    2274  319.48 2273.84  320.04 2273.83
  322.12 2273.79  324.02 2273.75  339.81 2273.33  342.77 2273.26  345.47 2273.25
  348.36 2273.28  348.89 2273.17  349.07  2273.2  349.87    2273  349.98 2272.97
  353.71 2272.65  355.76 2272.53  355.96 2272.54  356.53 2272.56  356.95 2272.58
  357.58 2272.59  358.19 2272.57  359.13 2272.57  361.17 2272.57  362.26 2272.51
  363.77  2272.5  364.36  2272.5  367.99 2272.31  368.88 2272.33  369.59 2272.35
  372.67 2272.25  382.77 2272.09  386.81 2272.11  392.76 2272.07  402.52    2272
  406.76 2271.95  410.41 2271.77  415.64 2271.66  418.12 2271.66  418.97 2271.68
  419.62  2271.7  420.19 2271.72  426.78 2271.74  430.09 2271.72  438.62 2271.82
  445.85 2271.98  447.18 2271.98  448.33 2271.99   448.5 2271.99  449.15 2271.99
  450.27    2272  450.94  2272.1  456.08    2273  456.61 2273.09   457.9 2273.25
  459.48 2273.42   460.5 2273.52  460.64 2273.53  460.76 2273.55  461.18    2274
  461.38 2274.34  461.98    2275  462.25 2275.49  462.95 2275.94     463    2276
  463.89 2276.94  463.94    2277     464  2277.1  464.85    2278  464.95 2278.14
  465.76    2279  466.57 2279.86  466.69    2280   467.5 2280.86  467.62    2281
  468.43 2281.87  468.54    2282  468.98 2282.41  469.53    2283  470.07 2283.58
  470.46    2284  471.04 2284.61   471.4    2285  472.15 2285.61  472.65    2286
     474 2286.33  476.54    2287   477.1 2287.17  480.81    2288  482.18 2288.39
  484.32    2289  486.82 2289.71  487.85    2290  490.64 2290.79  491.38    2291
  494.75 2291.92  495.03    2292  495.38 2292.09  497.97 2292.74   498.4 2292.86
  498.93    2293  502.38 2293.99   502.4    2294  505.29 2294.85  505.77    2295
  508.91 2295.87  509.33    2296  510.08  2296.2  513.02    2297  515.14 2297.57
   516.7    2298  517.73 2298.29  520.44    2299  521.97 2299.46  523.84    2300
  525.49 2300.49  527.31    2301  529.71 2301.59  531.23    2302  534.25 2302.74
  535.25    2303  535.94 2303.17  539.46    2304  540.43 2304.24  543.14    2305
  547.11  2305.9  547.58    2306  551.49 2306.93  551.81    2307  555.39 2307.94
  555.64    2308  555.99 2308.08  559.32    2309  562.14 2309.94   562.3    2310
  565.21 2310.96  565.29 2310.99  565.33    2311  565.36 2311.01   568.4    2312
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  595.66 2312.91  597.14 2312.96   597.6 2312.97  597.96 2312.98  598.22    2313
  611.07 2313.57  613.98 2313.69   615.2 2313.74  615.94 2313.76  616.56 2313.79
  617.23 2313.81   619.9    2314  621.63 2314.08  624.88 2314.12  631.65 2314.22
  637.11 2314.29  650.02 2314.42  654.78 2314.46  654.88 2314.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   64.43    .027   498.4    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         64.43   498.4           384.13  128.28  113.63             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2275.30    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.83    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2274.47    Reach Len. (ft)          384.13     128.28     113.63
  Crit W.S. (ft)           2274.47    Flow Area (sq ft)                   297.47
  E.G. Slope (ft/ft)      0.008877    Area (sq ft)                        297.47
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            177.25    Top Width (ft)                      177.25
  Vel Total (ft/s)            7.30    Avg. Vel. (ft/s)                      7.30
  Max Chl Dpth (ft)           2.81    Hydr. Depth (ft)                      1.68
  Conv. Total (cfs)        23063.2    Conv. (cfs)                        23063.2
  Length Wtd. (ft)          128.28    Wetted Per. (ft)                    177.91
  Min Ch El (ft)           2271.66    Shear (lb/sq ft)                      0.93
  Alpha                       1.00    Stream Power (lb/ft s)    654.88      0.00       0.00
  Frctn Loss (ft)             1.22    Cum Volume (acre-ft)                 20.90
  C & E Loss (ft)             0.07    Cum SA (acres)                       19.81


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 2503

INPUT
Description:
Station Elevation Data    num=     263
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2286       1 2286.01    1.68    2286    2.51 2285.97    3.83 2285.88
    4.27  2285.9       6  2285.8    6.69 2285.79    7.45 2285.78     8.9 2285.68
   11.94 2285.49   14.29 2285.32   18.11    2285   25.43  2284.4   31.07    2284
   33.59 2283.84   43.39 2283.11   44.94    2283   50.79 2282.63   54.56 2282.56
   59.02 2282.36   66.37 2282.01   66.54 2282.01   67.77    2282   72.57  2281.2
   73.19 2281.11   73.77    2281   77.67 2280.74   90.82    2280  101.49 2279.44
   104.5 2279.31  104.68  2279.3  104.85 2279.29  105.06 2279.28  105.27 2279.27
   111.1 2279.03  111.52 2279.01  111.84    2279  116.84 2278.81  117.92 2278.78
  122.75 2278.59  124.01 2278.54  125.57 2278.49  128.87 2278.36  130.72 2278.28
  132.36 2278.21  133.39 2278.17  137.03 2278.13     138    2278  141.75 2277.77
  158.37    2277  179.65 2276.25  186.37    2276  193.79 2275.75  198.69  2275.6
  213.11 2275.12  214.47 2275.08   216.8    2275  217.85 2274.96  247.27    2274
  262.12 2273.51  267.45 2273.33  277.35    2273  286.31 2272.68  292.65 2272.47
  307.26    2272  314.95  2271.8  331.27 2271.39  339.63 2271.24  342.15 2271.19
  343.93 2271.16  345.53 2271.13  354.14 2271.02  354.46 2271.02  356.52    2271
  362.64 2270.94  362.86 2270.93  374.03 2270.84  374.87 2270.84   375.7 2270.83
  391.49 2270.83     392 2270.82  392.62 2270.82  398.77 2270.84  404.36 2270.87
  415.67 2270.97  416.11 2270.97  416.28 2270.98  418.86    2271  444.53 2271.24
  447.54 2271.24  448.75 2271.24  449.82 2271.25  450.82 2271.25  451.82 2271.26
   457.7  2271.3  461.86 2271.32   465.5 2271.35  472.19 2271.14  472.96  2271.1
  476.19 2271.09  487.02    2271  487.43 2270.82  489.43    2270   493.2 2269.97
  493.24 2269.97  493.36 2269.97  493.88 2269.97  493.99 2269.97  494.46 2269.97
  494.61 2269.97  495.67 2269.98  496.22 2269.98   497.1 2269.98  498.68 2269.98
  500.53 2269.99  502.17 2269.98  502.81 2269.98  503.07 2269.98  507.72 2269.99
  508.44 2269.99   508.5 2269.99  510.58    2270  516.45 2270.08  525.48 2270.04
   525.8 2270.03  530.14 2270.02  530.95 2270.01  532.57    2270  536.16 2269.82
  536.28 2269.82  538.43 2269.74  540.75 2269.67  540.95 2269.68  541.17 2269.68
  546.68 2269.57  547.95 2269.58  548.33 2269.58  548.65 2269.59  548.92  2269.6
  552.44 2269.52  558.69 2269.44  567.69 2269.31  568.69 2269.28  569.72 2269.26
  570.77 2269.25   571.8 2269.25  572.52 2269.27  573.54 2269.22  573.72 2269.21
  578.61    2269  579.84 2268.99  580.08 2268.99  584.58 2268.99  595.73 2268.97
  597.23 2268.97  597.75 2268.97  608.01 2268.99  609.24 2268.99   609.7 2268.99
  610.18 2268.99  611.49 2268.99  611.99    2269  612.46    2269  612.54 2269.81
  612.57    2270  612.58 2270.21  612.65    2271  612.67  2271.2  612.74    2272
  612.75  2272.8  612.77    2273  612.79 2273.22  612.85    2274  612.87 2274.23
  612.93    2275  612.95 2275.24  613.01    2276  613.04 2276.25   613.1    2277
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  613.12 2277.26  613.18    2278  613.21 2278.27  613.26    2279  613.29 2279.29
  613.35    2280  613.38  2280.3  613.43    2281  613.47 2281.32  613.52    2282
  613.56 2282.34  613.61    2283   613.7 2283.43  613.75    2284   613.8 2284.44
  613.84    2285  613.89 2285.45  613.93    2286  613.99 2286.47  614.03    2287
  614.08 2287.48  614.12    2288  614.18  2288.5  614.22    2289  614.26  2289.5
  614.46    2290  615.67 2290.53  616.21 2290.71  616.81    2291  617.23 2291.16
  619.41    2292  619.89 2292.19     622    2293  623.94 2293.83  624.38    2294
  624.82 2294.17  626.64    2295   627.1 2295.18  628.97    2296  630.84 2296.74
  631.36    2297  631.83 2297.19  633.54    2298  634.68 2298.39  635.48 2298.66
  636.32    2299  637.05 2299.28  639.33    2300  641.98 2300.68  643.37    2301
  646.88 2301.84  647.55    2302  651.04 2302.82   651.8    2303  652.37 2303.14
  656.01    2304  656.88 2304.19  660.45    2305  661.07 2305.13  664.72    2306
     665 2306.06  668.66    2307  672.53 2307.72   673.8    2308  675.05  2308.2
  679.38    2309  681.35 2309.41  683.23    2310  685.13 2310.67  686.49    2311
   694.4 2311.28  697.04 2311.33  708.47 2311.54  714.72 2311.63  718.25 2311.69
  720.24 2311.69  724.09 2311.74  726.19 2311.75  730.55 2311.78   732.4 2311.79
   737.6 2311.82  738.96 2311.83  741.56 2311.84

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   43.39    .027  634.68    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         43.39  634.68           219.42  178.09  161.32             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2272.22    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.60    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2271.62    Reach Len. (ft)          219.42     178.09     161.32
  Crit W.S. (ft)           2271.62    Flow Area (sq ft)                   348.63
  E.G. Slope (ft/ft)      0.010179    Area (sq ft)                        348.63
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            290.51    Top Width (ft)                      290.51
  Vel Total (ft/s)            6.23    Avg. Vel. (ft/s)                      6.23
  Max Chl Dpth (ft)           2.65    Hydr. Depth (ft)                      1.20
  Conv. Total (cfs)        21538.1    Conv. (cfs)                        21538.1
  Length Wtd. (ft)          178.09    Wetted Per. (ft)                    293.13
  Min Ch El (ft)           2268.97    Shear (lb/sq ft)                      0.76
  Alpha                       1.00    Stream Power (lb/ft s)    741.56      0.00       0.00
  Frctn Loss (ft)             1.83    Cum Volume (acre-ft)                 19.95
  C & E Loss (ft)             0.01    Cum SA (acres)                       19.12


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 2325

INPUT
Description:
Station Elevation Data    num=     245
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2299.48    5.04    2299     9.1 2298.44   13.58    2298   19.56 2297.44
   24.19    2297   34.07 2296.12   35.38    2296   39.04 2295.68   42.27 2295.34
    43.9 2295.16    45.2    2295   48.18 2294.65   50.72  2294.3   52.51    2294
   57.42 2293.08   57.76    2293   58.13 2292.91   61.97    2292   65.66 2291.08
      66    2291   66.11 2290.98   70.16    2290   70.99 2289.85   74.88    2289
    75.7 2288.83   79.11 2288.11   79.58    2288   81.57 2287.28   81.71 2287.21
   81.97 2287.04   82.08    2287   82.15 2286.96   82.47 2286.86    84.3    2286
    85.7 2285.46    85.8 2285.46   89.27 2285.24   92.83    2285    92.9    2285
   92.99    2285   93.08    2285   93.15    2285   93.95    2285   94.44    2285
   96.31 2284.17   96.69    2284    97.1 2283.83   98.77    2283  100.23 2282.38
     101    2282  102.34 2281.54   103.3    2281  106.76 2280.43  108.29    2280
  109.22 2279.83   111.7 2279.45  113.96    2279  118.48 2278.22  119.78    2278
  121.03  2277.8  125.53    2277  129.84 2276.26  131.46    2276  136.46 2275.23
  137.86    2275  142.76 2274.21  144.39    2274   146.3 2273.75  151.88    2273
  156.97 2272.34  159.56    2272  166.36 2271.18  167.88    2271  170.28 2270.74
  170.48  2270.7  176.26    2270  185.27 2269.35  189.59  2269.2  196.43    2269
  197.95 2268.96  198.07 2268.95  198.22 2268.95  198.46 2268.94  198.88 2268.94
  227.93 2268.24  248.62 2268.01   249.1    2268  255.26 2267.92  255.32 2267.92
  255.38 2267.92  260.48 2267.85  264.37 2267.85  276.13 2267.72  281.75 2267.68
  286.94 2267.66   290.6 2267.67  294.86 2267.69   299.7 2267.72  301.33 2267.73
  306.62 2267.77  313.23 2267.85  313.98 2267.85  323.14 2267.99  323.18 2267.99
   323.7    2268  338.12 2268.21  339.97 2268.23  357.84 2268.43  369.19 2268.48
  369.85 2268.48  374.16 2268.45  376.53 2268.46  381.32 2268.43  384.04 2268.42
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  396.43 2268.35  401.69 2268.32  403.86 2268.31  407.73  2268.3  411.65 2268.31
  411.98 2268.31  437.94 2268.32  444.81 2268.34  447.58  2268.4  451.57 2268.49
  455.17 2268.52  457.08 2268.56  461.68 2268.46  470.87 2268.11  471.73    2268
  472.55 2267.72  474.58    2267  476.93 2266.25  477.81    2266  478.18    2266
   478.3    2266  478.92    2266  479.15    2266  479.34    2266  481.52    2266
  483.16    2266  484.67    2266  491.95 2265.99  496.02 2265.98  498.14 2265.98
  499.57 2265.98  506.42    2266  509.36 2266.58  511.08    2267  514.47 2267.92
  514.74    2268  515.39 2268.57  515.84    2269  515.87 2269.03  516.93    2270
  517.53 2270.54  518.03    2271  518.13 2271.08  519.08    2272  519.98 2272.76
  520.23    2273   521.2 2273.82  521.39    2274  522.45 2274.87  522.58    2275
   523.7 2275.92  523.79    2276  523.86 2276.07  525.01    2277  525.03 2277.02
  525.73 2277.59  526.19 2277.98  526.22    2278  526.24 2278.01  527.42    2279
  527.48 2279.04  528.63    2280  528.73 2280.07  529.85    2281  530.92 2281.88
   531.1    2282   532.5 2282.99  532.51    2283  532.53 2283.01  532.59 2283.06
  533.01 2283.37  533.85    2284  533.86 2284.01  535.88    2285  537.86 2285.71
  538.69    2286  540.96 2286.78  541.52    2287  542.16 2287.22  543.47 2287.69
  544.24 2287.97  544.33    2288  546.14 2288.58  547.11 2288.85  547.74    2289
  548.16 2289.12  551.67    2290  553.17 2290.44  555.33    2291  557.67  2291.7
  558.78    2292  559.98 2292.33  562.09    2293  564.15 2293.56  565.63    2294
  569.05  2294.9  569.39    2295  571.04 2295.42  573.05    2296  574.72 2296.45
  576.61    2297   578.3 2297.52  579.92    2298   580.6  2298.2  582.92    2299
  584.99 2299.65  586.03    2300  588.97 2300.75  589.79    2301  593.03 2301.77
  593.83    2302   595.2 2302.39  597.35    2303  600.01 2303.75  600.86    2304
  602.26  2304.4  602.48 2304.46   602.8 2304.53  603.45 2304.63  603.76  2304.7
  603.96 2304.74  604.14 2304.75  605.38 2304.88  605.56 2304.89  605.61  2304.9
  606.64 2304.97  607.23    2305  612.18 2305.16   612.3 2305.17  616.13 2305.37

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035    75.7    .027  543.47    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          75.7  543.47           392.84  353.64  337.34             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2269.65    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.56    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2269.08    Reach Len. (ft)          392.84     353.64     337.34
  Crit W.S. (ft)           2269.08    Flow Area (sq ft)                   360.97
  E.G. Slope (ft/ft)      0.010333    Area (sq ft)                        360.97
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            322.35    Top Width (ft)                      322.35
  Vel Total (ft/s)            6.02    Avg. Vel. (ft/s)                      6.02
  Max Chl Dpth (ft)           3.10    Hydr. Depth (ft)                      1.12
  Conv. Total (cfs)        21377.0    Conv. (cfs)                        21377.0
  Length Wtd. (ft)          353.64    Wetted Per. (ft)                    323.37
  Min Ch El (ft)           2265.98    Shear (lb/sq ft)                      0.72
  Alpha                       1.00    Stream Power (lb/ft s)    616.13      0.00       0.00
  Frctn Loss (ft)             3.65    Cum Volume (acre-ft)                 18.50
  C & E Loss (ft)             0.00    Cum SA (acres)                       17.87


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 1971

INPUT
Description:
Station Elevation Data    num=     232
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2293.24    1.26    2293    2.61 2292.78    6.79    2292    8.49 2291.71
      12    2291   18.23 2290.06    18.6    2290   18.68    2290    20.5 2289.99
   21.64    2290   22.57    2290      26 2290.55   26.51  2290.6   28.58 2290.51
   28.88 2290.58   31.07    2290   31.08    2290    31.1 2289.99   31.12 2289.98
   32.25 2289.58   33.93    2289      35 2288.63   36.87    2288   37.41 2287.82
   39.79    2287   40.58 2286.72   42.77    2286   43.38 2285.78   45.75    2285
    46.4 2284.77   49.38    2284   53.01 2283.14   53.48    2283   55.09 2282.65
   55.55 2282.53   57.53    2282   58.78 2281.71    61.6    2281   63.81 2280.47
   65.74    2280   68.05 2279.46   69.85    2279   72.08 2278.45   73.17    2278
   75.77 2277.11    76.1    2277    76.6 2276.84    78.5    2276   79.23 2275.72
   80.59    2275   82.17 2274.62   84.06    2274   86.44 2273.52   88.93    2273
   93.75 2272.11   94.25    2272   96.67 2271.51   99.11    2271  100.03 2270.82
  101.72 2270.46  103.62 2270.05  103.85    2270  104.04 2269.96  108.37    2269
  113.14 2268.11  113.65    2268  114.11  2267.9  120.05    2267  122.77 2266.56
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  126.43    2266  133.29 2265.04  133.56    2265  133.73 2264.98  142.57    2264
   146.6 2263.42  149.81    2263   156.9 2262.11  157.57    2262  163.02 2261.64
  172.86    2261  176.36 2260.82  181.91 2260.57  191.19 2260.17  194.09 2260.05
  195.33    2260     217 2259.36  219.62 2259.33  220.66  2259.3  221.74 2259.28
  222.79 2259.27  224.41 2259.26     226 2259.26  228.82  2259.3  230.66 2259.31
  232.74 2259.33  235.04 2259.37  240.62 2259.48  243.72 2259.49  246.55 2259.53
  249.12 2259.56  251.58 2259.58  261.54 2259.59  264.51 2259.59  274.77 2259.66
  299.29 2259.77  307.61 2259.83  338.88    2260  339.65 2260.01  344.96 2260.07
  345.37 2260.07  345.91 2260.08   352.1 2260.17  358.49 2260.28   376.9 2260.53
  383.66 2260.64   386.9 2260.69  399.28 2260.89  400.78 2260.92  404.83 2260.99
  405.96    2261  406.89 2261.02  425.94 2261.54  426.34 2261.55  426.76 2261.56
  436.56    2262  436.65 2262.03  436.76 2262.04  437.05 2262.03  437.46    2262
  438.86 2261.25  439.37    2261  440.92 2260.23  441.45    2260  441.93 2259.98
  442.18 2259.98  443.38 2259.94   444.5 2259.91  445.71  2259.9  469.82  2259.6
  484.61 2259.55  485.93    2260  486.57 2260.44  487.31    2261  488.26 2261.53
  488.54 2261.56  489.26 2261.59  490.47 2261.59  498.87 2261.64  509.38 2261.73
  525.68    2262  528.61 2262.06  534.76 2262.21  537.46 2262.31  538.33 2262.36
  538.46 2262.39  538.49    2263  538.96 2263.58   539.2    2264  539.53 2264.49
  539.96    2265  540.21 2265.48  540.56    2266  541.19  2266.6  541.54    2267
  541.83 2267.71  542.04    2268  543.19 2268.97   543.2    2269  543.32 2269.03
  543.35 2269.03  546.67    2270  549.62 2270.87  550.21    2271  553.12 2271.89
  553.57    2272  556.53 2272.91  556.84    2273  557.33 2273.15  560.06    2274
  560.98 2274.29  562.99 2274.94  563.21    2275  563.78 2275.18  566.47    2276
   569.2 2276.84  569.88    2277  573.96 2277.95  574.17    2278  578.29 2278.97
  578.45    2279  579.33 2279.23  582.53    2280  583.93 2280.31  586.64    2281
  590.15  2281.9  590.56    2282  591.03 2282.11  594.83    2283   598.1  2283.7
  599.48    2284  599.99 2284.12  604.18    2285  607.37 2285.72  608.59    2286
  610.11  2286.3  613.34    2287  613.35    2287   613.8 2287.11   617.2 2287.88
  617.73    2288   618.7  2288.2  622.46    2289  623.94 2289.27  624.76 2289.44
  627.05    2290  627.13 2290.02  630.34 2290.88  630.74    2291  631.65 2291.22
  632.98  2291.5  635.51    2292  639.97 2292.85  640.52 2292.95  640.79    2293
  643.92 2293.51  645.19 2293.69  645.97 2293.78  648.19    2294   653.2 2294.78
  654.67    2295  654.84 2295.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   55.55    .027  560.98    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         55.55  560.98            687.36  306.39  381.19             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2261.78    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.61    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2261.17    Reach Len. (ft)          687.36     306.39     381.19
  Crit W.S. (ft)           2261.17    Flow Area (sq ft)                   346.76
  E.G. Slope (ft/ft)      0.010291    Area (sq ft)                        346.76
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            290.83    Top Width (ft)                      290.83
  Vel Total (ft/s)             6.27    Avg. Vel. (ft/s)                     6.27
  Max Chl Dpth (ft)            1.91    Hydr. Depth (ft)                     1.19
  Conv. Total (cfs)        21420.2    Conv. (cfs)                        21420.2
  Length Wtd. (ft)          306.39    Wetted Per. (ft)                    291.60
  Min Ch El (ft)           2259.26    Shear (lb/sq ft)                     0.76
  Alpha                        1.00    Stream Power (lb/ft s)    654.84       0.00       0.00
  Frctn Loss (ft)              3.17    Cum Volume (acre-ft)                15.63
  C & E Loss (ft)              0.01    Cum SA (acres)                      15.38


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 1665

INPUT
Description:
Station Elevation Data    num=     258
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2268.7     .66 2268.75    1.04 2268.77    1.37  2268.8    3.32    2269
    4.62 2269.13   13.26    2270    22.9 2270.96   23.26    2271   23.72 2271.05
   23.85 2271.06   24.04 2271.07   24.34 2271.08    25.1 2271.14    25.9 2271.19
   27.13 2271.27   28.25 2271.31   34.19  2271.6   35.95 2271.61   37.26 2271.64
   38.48 2271.64    40.2 2271.61   49.58    2271   51.85 2270.82   52.38 2270.74
   53.02 2270.61   55.49    2270   56.61 2269.71    59.4    2269    61.3 2268.59
```

```
   63.14    2268    64.4  2267.7   67.42    2267   70.26 2266.23   71.24    2266
   74.37 2265.11   74.84    2265   78.37 2264.01    78.4    2264   78.67 2263.94
   83.17    2263   85.37 2262.53   87.71 2262.11   88.25    2262   89.29 2261.81
   93.35    2261   96.34 2260.44   98.65    2260  101.88 2259.41  104.09    2259
  108.99 2258.12  109.65    2258  109.75 2257.98  115.13    2257  116.26 2256.82
   120.8    2256  125.97 2255.17  126.97    2255  127.95 2254.84  135.89    2254
  151.94 2253.44   156.3  2253.3  159.18 2253.19  163.44 2253.08  166.85    2253
  168.51    2253  170.58    2253  171.44    2253  173.32    2253  175.38 2253.02
  175.51 2253.02  175.69 2253.02  175.92 2253.02  183.28 2253.12  184.95 2253.15
  192.54 2253.27  198.72 2253.37  204.71 2253.47  212.35 2253.61  218.11 2253.72
  219.03 2253.73  220.21 2253.75  235.47    2254  256.97 2254.51  278.28    2255
  281.33 2255.03  289.37 2255.04  289.68 2255.04   289.9 2255.04  293.54    2255
  298.47 2254.09  298.76    2254  299.29 2253.97  300.51 2253.95  300.72 2253.94
  301.46 2253.92  302.62 2253.88  304.41 2253.95  305.56 2253.99  305.79    2254
  308.54 2254.33  310.56 2254.67  311.79 2254.85  312.62    2255  312.71    2255
  312.83    2255  314.25 2255.06  329.92 2255.55  335.79 2255.64   341.8  2255.7
  346.23 2255.73  348.65 2255.77  349.47 2255.76  350.04 2255.76  350.71 2255.75
  351.41 2255.74   353.7 2255.76  354.99 2255.73   357.4 2255.74  360.58 2255.66
  363.01 2255.64  366.32 2255.56  372.44 2255.45  373.41 2255.43   376.8 2255.39
  377.83 2255.38  378.59 2255.37  379.25 2255.37   383.5 2255.35  384.24 2255.33
  386.07 2255.28  389.94 2255.29  395.24 2255.23  401.82 2255.12  403.19 2255.09
  406.56    2255  408.15 2254.98  410.95 2254.97   411.4 2254.96  411.64 2254.97
  414.76    2255  417.82 2255.01  418.61 2255.01  418.91 2255.02  424.28 2255.04
  426.59 2255.04  429.51 2255.05  432.61 2255.06  434.32 2255.05  437.42 2255.04
  441.12 2255.02   443.1    2255  450.89  2254.1  451.82    2254  452.61 2253.99
   454.8 2253.98  456.18 2253.97  456.69 2253.97  459.73    2254  462.38 2254.39
  462.92 2254.42   463.7 2254.45  465.21 2254.57  466.27 2254.62  467.47 2254.63
   470.6 2254.67  471.57 2254.62  472.99 2254.51  475.89 2254.03  475.93 2254.03
  475.96 2254.03  475.99 2254.03  476.08    2254  478.16 2253.37   479.2    2253
  483.91 2252.98  485.59 2252.98  485.88 2252.98  487.55 2252.98  488.98 2252.99
  491.12 2252.99  494.29    2253   496.1 2253.76  497.01    2254  497.54 2254.94
  497.58    2255  497.61 2255.03  498.03 2255.41  498.45    2256  500.52 2256.51
  501.01    2257   503.4 2257.35  508.29    2258  510.25 2258.48  512.67    2259
  515.11 2259.67  516.27    2260  519.89 2260.97     520    2261  521.51 2261.36
   522.3 2261.53  524.55 2261.94  524.82    2262  525.01 2262.05  529.72    2263
  530.22 2263.15  533.08    2264   533.4  2264.1  536.45    2265  536.75 2265.09
  539.82    2266  540.14  2266.1  543.35    2267  545.41  2267.6   546.8    2268
   549.1 2268.66  550.57    2269  553.37  2269.8  554.02    2270  554.94 2270.27
  556.39 2270.67  556.83 2270.78  557.26 2270.87  557.84    2271   558.5 2271.16
  561.89    2272  564.54 2272.71  565.58    2273  568.21 2273.73  569.19    2274
  571.97 2274.77  572.79    2275  575.06 2275.61  576.48    2276  579.96 2276.79
  580.79    2277  581.95 2277.16   582.8 2277.26  584.71 2277.48   585.8 2277.59
  589.98    2278  596.48 2278.56  601.28    2279  605.67 2279.36  611.76    2280
     612 2280.02  612.06 2280.03  612.21 2280.04  616.94 2280.49  618.73 2280.73
  621.03    2281  621.86 2281.07  629.64    2282  631.26 2282.32  632.88 2282.63
  634.62 2282.95  634.86    2283  636.31 2283.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035       0    .027  636.31    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
             0  636.31                0  294.71  290.89             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2255.93    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.58    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2255.35    Reach Len. (ft)             0.00     294.71     290.89
  Crit W.S. (ft)           2255.35    Flow Area (sq ft)                    356.31
  E.G. Slope (ft/ft)      0.010407    Area (sq ft)                         356.31
  Q Total (cfs)            2173.00    Flow (cfs)                          2173.00
  Top Width (ft)            313.20    Top Width (ft)                       313.20
  Vel Total (ft/s)            6.10    Avg. Vel. (ft/s)                       6.10
  Max Chl Dpth (ft)           2.37    Hydr. Depth (ft)                       1.14
  Conv. Total (cfs)        21301.0    Conv. (cfs)                         21301.0
  Length Wtd. (ft)          294.71    Wetted Per. (ft)                     314.71
  Min Ch El (ft)           2252.98    Shear (lb/sq ft)                       0.74
  Alpha                       1.00    Stream Power (lb/ft s)    636.31       0.00       0.00
  Frctn Loss (ft)             3.19    Cum Volume (acre-ft)                  13.15
  C & E Loss (ft)             0.04    Cum SA (acres)                        13.25


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION
```

```
RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 1370

INPUT
Description:
Station Elevation Data    num=     372
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2268.57    2.48 2268.01    2.55    2268    3.39  2267.8    6.86    2267
    9.37 2266.37   10.89    2266   11.81 2265.77   14.86    2265   17.45 2264.34
   19.09    2264   19.53 2263.92    19.6  2263.9   24.11    2263   27.48 2262.32
   29.18    2262    32.2 2261.47   34.73    2261   37.49 2260.52    40.3    2260
    43.7 2259.58   47.43    2259   54.98 2258.06   55.45    2258   57.31 2257.78
   63.82    2257   69.29 2256.35   72.11    2256   76.33 2255.49   80.31    2255
   86.22 2254.33   87.87 2254.13   88.92    2254   89.15 2253.97   97.59    2253
  100.54 2252.64  108.32    2252  115.11 2251.55  121.58    2251     132 2250.29
   135.8    2250  141.66 2249.65  145.13 2249.48  156.32    2249  161.02 2248.79
  165.02 2248.59   183.8    2248  203.01 2247.36  203.14 2247.35  203.27 2247.35
  203.43 2247.35  216.36    2247  218.21 2246.95  218.55 2246.94  218.74 2246.94
   218.9 2246.94  219.02 2246.94   235.4 2246.51  236.32 2246.52  239.93 2246.55
  243.22 2246.57  244.01 2246.56  252.03 2246.53  259.75 2246.54  260.34 2246.54
  262.43 2246.57  268.39 2246.68   277.8  2246.9  280.51 2246.97  280.55 2246.97
  281.69    2247  282.07    2247  282.28    2247  282.87    2247  282.88    2247
  282.89    2247  285.05    2246  286.09  2245.4  286.95    2245  288.51 2244.18
   288.8    2244  288.84 2243.99  288.93 2243.98  289.14 2243.93  289.27 2243.96
  289.34 2243.98  289.36 2243.98  289.48    2244  289.49    2244  289.71 2244.14
  289.97 2244.29  290.26 2244.48   291.2    2245  292.02 2245.48  292.91    2246
  293.83 2246.65  294.28 2246.78  295.22    2247  295.73    2247  296.02    2247
  296.33    2247  296.46    2247   297.4    2247     298    2247  299.34    2247
  301.02 2246.29  301.72    2246  303.09 2245.44  304.09    2245  304.77 2244.97
  304.93 2244.96  305.06 2244.97  305.58 2244.98  306.14    2245  306.89 2245.36
  308.71    2246  310.97 2246.74  311.64    2247  313.56 2247.07   314.6 2247.11
   318.5 2247.26  320.81 2247.35  326.06  2247.5  327.76 2247.56  328.71  2247.6
  329.24 2247.62  336.83 2247.75  337.23 2247.77  342.58  2247.9   344.1 2247.93
   344.2 2247.93  350.03 2247.96  350.12 2247.96  350.51 2247.96  350.91 2247.96
  363.41 2247.97  366.52 2247.98  367.67 2247.96     372 2247.94  377.42 2247.88
  378.87 2247.85   385.2 2247.74  397.92 2247.47  418.57    2247  425.68 2246.89
  426.53 2246.88  426.83 2246.88  435.53 2246.85   444.1 2246.86  450.42 2246.92
  450.61 2246.92   458.2    2247  470.35 2247.17  471.39 2247.18  477.52 2247.24
  478.58 2247.25  485.52 2247.29   488.2 2247.31  504.47 2247.36  510.11  2247.4
  514.12 2247.29  520.56 2247.04  520.71 2247.04  520.82 2247.04  520.89 2247.03
  520.91 2247.03  520.98    2247  521.08 2246.95   521.1 2246.94   524.1    2246
  525.45 2245.99  527.06 2245.98  528.76    2246  529.03    2246  539.79 2246.65
  543.04 2246.84  545.41    2247  546.76 2247.01  547.26 2247.01  547.99 2247.01
  548.87    2247  549.54    2247  552.47 2246.87  553.74 2246.84  556.29 2246.77
  558.43 2246.71   559.5 2246.68   560.8 2246.64  570.38 2246.45  574.97 2246.26
  576.66  2246.2  577.65 2246.18  578.63 2246.17  579.66 2246.19  580.41 2246.17
  583.36    2247  584.13 2247.35  584.19 2247.37  584.21 2247.38  584.36 2247.37
   584.5 2247.36  584.69 2247.35  585.04 2247.32  587.56 2247.53  589.04  2247.6
  590.03  2247.6  597.39 2247.32  610.16  2247.4  611.61 2247.38  612.93 2247.36
  619.54 2247.29   627.9 2247.19  631.91 2247.11     634 2247.11  636.65 2247.05
  636.79 2247.05   637.3 2247.07  638.61 2247.12   640.3 2247.12  640.68 2247.16
  640.93 2247.18  641.22  2247.2  643.97 2247.39  644.54 2247.41  647.88 2247.69
  650.49 2247.76  652.36 2247.78  652.87 2247.77  653.25 2247.78  669.96    2248
  673.99 2248.01  674.25 2248.01  676.11 2248.07  677.07 2248.02  677.99 2248.03
  679.16 2248.01  679.42    2248  682.21 2247.96  688.46 2247.89  690.73 2247.91
  698.09    2248   698.6 2248.01  698.71 2248.01  698.76 2248.01  706.15 2248.06
  711.21 2248.05  717.93 2248.06  718.13 2248.06  718.51 2248.06  720.94 2248.01
  721.59 2248.01  723.08    2248   723.2    2248  723.42    2248     724    2248
  724.05    2248  728.16    2248  729.14    2248  731.47    2248  733.18    2248
  734.08 2248.64  734.69    2249  734.88 2249.12  735.13 2249.24  735.75 2249.54
  735.97 2249.63   736.7 2249.93  736.85 2249.99  736.88    2250  738.97 2250.78
   739.6    2251  740.94 2251.49  742.49    2252  742.87 2252.14  743.26 2252.26
  743.29 2252.26  743.57 2252.31  744.86 2252.32  748.54 2252.38  749.63 2252.32
  750.18  2252.3  750.98 2252.23  751.86 2252.12  752.45    2252  755.73 2251.52
  756.73  2251.9  756.85  2251.9  756.99 2251.91  757.32    2252  757.88 2252.27
  759.23    2253  759.78  2253.3  761.21    2254  761.39 2254.09  763.03    2255
  763.78  2255.4  765.08    2256  766.98 2256.87  767.34    2257  767.48 2257.05
  770.13    2258  772.55 2258.76  773.21    2259  773.85 2259.18  773.94 2259.22
  776.07    2260  776.62 2260.18  778.74    2261  780.34 2261.14  782.29    2262
  782.97 2262.09  783.47 2262.17  787.71 2262.74  788.83    2263  790.93  2263.3
  791.73 2263.41  795.66    2264  797.31  2264.4  801.05    2265  803.27 2265.52
   805.5    2266   809.1 2266.88  809.58    2267  813.24 2267.88  813.75    2268
  817.47 2268.95  817.64    2269  817.78 2269.04  817.99 2269.08  821.59    2270
  822.41  2270.2  826.37    2271  826.89 2271.14  830.58    2272  833.22 2272.63
  835.28    2273  838.38 2273.61  840.87    2274  842.55  2274.4  845.62    2275
  847.99 2275.63  849.36    2276  852.82 2276.88  853.28    2277  853.55 2277.07
  858.26    2278  859.88  2278.4   862.9    2279  865.76 2279.64  867.25    2280
  868.79 2280.32  871.79    2281  873.21 2281.29  876.35    2282  877.68 2282.32
  881.26    2283     883 2283.32   886.4 2283.84  887.27    2284     894 2284.93
  894.49    2285  901.76 2285.99  901.84    2286   902.6 2286.16  903.03 2286.26
  906.28    2287  909.73 2287.76  910.58 2287.96  910.77    2288  911.18 2288.02
  918.78    2289   918.9 2289.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   19.53    .027  790.93    .035
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         19.53  790.93           312.43  287.27  290.18            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2248.38    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.44    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2247.94    Reach Len. (ft)          312.43     287.27     290.18
  Crit W.S. (ft)           2247.94    Flow Area (sq ft)                   407.08
  E.G. Slope (ft/ft)      0.011238    Area (sq ft)                        407.08
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            462.30    Top Width (ft)                      462.30
  Vel Total (ft/s)            5.34    Avg. Vel. (ft/s)                      5.34
  Max Chl Dpth (ft)           4.01    Hydr. Depth (ft)                      0.88
  Conv. Total (cfs)        20498.5    Conv. (cfs)                        20498.5
  Length Wtd. (ft)          287.27    Wetted Per. (ft)                    465.11
  Min Ch El (ft)           2243.93    Shear (lb/sq ft)                      0.61
  Alpha                       1.00    Stream Power (lb/ft s)   918.90       0.00       0.00
  Frctn Loss (ft)             3.20    Cum Volume (acre-ft)                 10.57
  C & E Loss (ft)             0.00    Cum SA (acres)                       10.63


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 1083

INPUT
Description:
Station Elevation Data    num=     253
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2269.47     .86 2269.43    2.04 2269.35    2.89 2269.28    3.55 2269.21
    4.54 2269.11    4.73  2269.1    5.47    2269       9 2268.49   12.31    2268
   15.53 2267.41   16.97 2267.21   17.79    2267   22.22 2266.07   22.48    2266
    22.8 2265.92   26.95    2265   27.28 2264.91   31.15    2264   32.63  2263.6
   35.24    2263   36.78 2262.58   38.21 2262.25    39.3    2262   42.09 2261.39
    43.5    2261   46.02 2260.41    47.7    2260   50.17 2259.43    51.9    2259
   54.31 2258.44   56.08    2258   58.61 2257.41    60.3    2257   62.97 2256.21
   63.89    2256   64.73  2255.8   67.97    2255   70.57 2254.31   71.79    2254
   74.42  2253.3   75.49    2253   78.22 2252.15   78.74    2252   79.37 2251.85
   82.28    2251   86.29 2250.09   86.61    2250   87.99  2249.7    89.3 2249.47
   92.16    2249   94.49 2248.63   98.48    2248   99.52 2247.83   104.7    2247
  105.89 2246.82  110.97    2246  116.09 2245.22  117.43    2245  119.64 2244.58
   123.5    2244  126.76 2243.52  130.23    2243   136.9 2242.12  138.22    2242
  144.36  2241.5  146.99 2241.28   147.6 2241.24  148.04  2241.2  150.64    2241
  151.61 2240.99  152.55 2240.99  155.94 2240.91  161.11 2240.84  161.98 2240.82
  162.62 2240.74  164.88    2240  167.34 2239.18  167.87    2239  169.27 2238.99
  172.53 2238.98   176.7    2239  176.99    2239  177.63    2239  180.15 2239.29
  186.01    2240  187.81 2240.12  189.75 2240.19  191.44 2240.24  192.36 2240.22
  192.79 2240.21   193.2 2240.21  194.62 2240.21  201.77 2240.29  204.63 2240.33
  210.95 2240.39  216.52 2240.41  238.35 2240.28  257.46 2240.24  260.86 2240.23
  272.15 2240.21  278.53 2240.21  316.21 2240.26  317.63 2240.26  319.07 2240.25
  333.48 2240.22   335.9 2240.21  337.55  2240.2  338.82  2240.2   344.6  2240.2
  345.28  2240.2  346.15  2240.2  347.31  2240.2   352.6 2240.22  357.47 2240.24
  362.16 2240.28  376.63 2240.38  387.33 2240.48   389.5 2240.48  398.09 2240.57
  400.65 2240.57  402.79 2240.58  404.82 2240.59  415.01 2240.55  430.98 2240.52
  433.76  2240.5  442.44 2240.53  452.69 2240.59  455.87  2240.6  459.83 2240.65
  463.84 2240.69  468.22 2240.75  473.55 2240.84  474.68 2240.85  481.84    2241
  488.55 2240.93  491.54 2240.89  492.63 2240.87   492.8 2240.87  501.91 2240.82
  502.01 2240.82  502.09 2240.82  504.85 2240.83  505.71 2240.66  507.61 2240.48
  561.64    2240  565.78 2239.94  565.98 2239.94  566.73 2239.94  567.46 2239.94
  567.59 2239.94  567.83 2239.94  568.78 2239.95  577.17 2239.95  585.92 2239.98
  586.96    2240  603.35 2240.37  610.24    2241  610.37 2241.31  610.47    2242
  610.94  2242.7  611.06    2243  611.35 2243.75  611.44    2244  611.76 2244.83
  611.82    2245  611.91 2245.07  612.05    2246  615.77 2246.77  617.12    2247
  621.83 2247.95  622.06    2248  623.62 2248.31  624.71 2248.56   626.4    2249
  626.82 2249.12  629.97    2250  630.91 2250.26  632.92    2251   634.8 2251.52
  636.41    2252   638.2 2252.55  639.62    2253   641.6 2253.56     643    2254
  645.08 2254.63  646.31    2255  648.03 2255.44  649.93    2256   651.5 2256.44
  653.41    2257  655.21 2257.53  656.56    2258     658 2258.46  659.85    2259
  661.44  2259.5  663.16    2260  664.88 2260.54  666.45    2261  668.38 2261.62
  669.74    2262  672.35 2262.71  673.52    2263  676.42 2263.84  676.77 2263.93
  677.03    2264  677.65 2264.15  680.75    2265  681.71 2265.23  684.33    2266
     685 2266.17  688.22    2267  691.82 2267.84  692.46    2268  693.22 2268.17
  696.68    2269  699.26 2269.69  700.45    2270   704.7 2270.92  704.91 2270.96
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  705.11    2271  707.17 2271.36  710.83    2272     715 2272.53   718.2    2273
  721.14 2273.34  726.94    2274  731.21 2274.62  732.74 2274.83  733.37 2274.91
  734.06    2275  734.93  2275.1  735.21 2275.13  735.59 2275.15     736 2275.16
  741.14 2275.41  744.09 2275.52  744.48 2275.52  744.85 2275.53  749.87 2275.53
   751.8 2275.56   752.2 2275.56  753.43 2275.55  753.97 2275.54   755.1 2275.52
  756.14 2275.49  757.08 2275.45  757.93 2275.42  759.03 2275.36  759.59 2275.34
  761.78 2275.26  765.06    2275   767.5 2274.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   38.21    .027  676.77    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         38.21  676.77           180.56  157.57  144.31             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2241.65    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.44    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2241.21    Reach Len. (ft)          180.56     157.57     144.31
  Crit W.S. (ft)           2241.21    Flow Area (sq ft)                   408.22
  E.G. Slope (ft/ft)      0.011066    Area (sq ft)                        408.22
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            462.44    Top Width (ft)                      462.44
  Vel Total (ft/s)             5.32    Avg. Vel. (ft/s)                    5.32
  Max Chl Dpth (ft)            2.23    Hydr. Depth (ft)                    0.88
  Conv. Total (cfs)        20656.9    Conv. (cfs)                        20656.9
  Length Wtd. (ft)          157.57    Wetted Per. (ft)                    463.01
  Min Ch El (ft)           2238.98    Shear (lb/sq ft)                      0.61
  Alpha                       1.00    Stream Power (lb/ft s)    767.50      0.00       0.00
  Frctn Loss (ft)             1.73    Cum Volume (acre-ft)                  7.88
  C & E Loss (ft)             0.00    Cum SA (acres)                        7.58


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 925

INPUT
Description:
Station Elevation Data    num=     238
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2256.45    3.81 2256.92     4.5    2257    6.18  2257.2   10.39 2257.58
   13.89 2257.88   14.52 2257.93   15.54    2258   15.66    2258   16.06    2258
   16.17    2258   16.43 2258.01   16.67 2258.01   18.28 2258.02   22.27 2258.03
   24.99 2258.03   30.46 2258.01   32.18    2258    33.4 2257.94   36.79 2257.73
    38.8 2257.58   40.11 2257.48   44.25    2257   48.06 2256.49   51.53    2256
   58.05 2255.12   58.78    2255   59.13 2254.93   65.01    2254   69.37 2253.37
   71.66    2253    73.1 2252.75   77.99    2252   80.14 2251.63   84.56    2251
   87.36 2250.58   91.06    2250   94.28 2249.49   96.97    2249  101.02 2248.27
  102.73    2248  107.04 2247.24  108.46    2247  113.01 2246.17   114.1    2246
  115.08 2245.83  120.59    2245  121.13 2244.92  121.76 2244.82  127.56    2244
  128.52 2243.86  134.99    2243  136.43  2242.8  143.06    2242  148.41 2241.26
  150.35    2241  157.46 2240.06  157.89    2240  158.77 2239.88  166.37    2239
  172.14 2238.42  175.86    2238  185.96 2237.59     187 2237.57  191.42 2237.41
  193.78 2237.34  194.99 2237.32  199.11 2237.21  201.04 2237.19   201.6 2237.18
  202.17 2237.16  211.44 2237.11  212.59 2237.09  213.17 2237.09  220.37 2237.07
  220.79 2237.06  221.16 2237.06  221.49 2237.06  221.83 2237.06  222.58 2237.06
  230.12 2237.06  230.53 2237.06   238.1 2237.08   238.7 2237.08  251.32 2237.13
  255.76 2237.14  259.38 2237.14  266.83 2237.01  268.45 2237.01  269.21 2237.01
  273.05 2237.01  282.71    2237  284.98    2237  286.82    2237  290.03 2236.88
  293.63 2236.71  294.75 2236.62  303.05    2236  308.82 2235.76  315.26 2235.94
  316.38 2235.93  316.42 2235.93  316.47 2235.93  316.61 2235.93  316.68 2235.92
  316.76 2235.93  316.82 2235.93  316.88 2235.93  316.94 2235.93  317.03 2235.94
  317.32    2236  327.79 2236.46  335.32 2236.42  346.37 2236.49  355.93  2236.5
  357.07 2236.48  358.53 2236.47  369.62 2236.41  371.11  2236.4  372.67  2236.4
  374.28  2236.4   375.9  2236.4  377.64 2236.41  381.36 2236.42  388.55 2236.46
  393.94 2236.41  400.41 2236.35  402.29 2236.31  403.31 2236.31  403.43 2236.31
  411.78 2236.32   420.1 2236.32  428.52 2236.31  437.55 2236.01  438.05    2236
  438.28 2235.95   443.8    2235  444.71 2234.99  445.67 2234.99  445.77 2234.99
  445.87 2234.99   446.1    2235  448.29 2235.63     450    2236  454.77 2236.02
  473.05 2236.42  491.33    2237  499.41 2237.19  500.69  2237.2  504.21 2237.21
  511.59 2237.31  514.19 2237.34  517.28 2237.37  527.19 2237.57  534.81 2237.67
  541.91 2237.82  545.42 2237.87   551.8 2237.99  551.86 2237.99  551.92 2237.99
  552.84    2238  558.95 2238.01   561.4 2238.02   567.6 2238.01  571.32    2238
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   575.5 2237.82  576.06 2237.79  580.18 2237.65  589.61  2237.3   610.6 2236.25
  610.91 2236.25  614.16 2236.27  617.56 2236.31  623.69 2236.46  643.51    2237
  643.52    2237  643.55    2237  643.64    2237  643.66    2237  643.71    2237
  645.36 2237.86  645.86    2238   646.4 2238.95  646.41    2239  646.91 2239.92
  646.94    2240  647.19 2240.25  647.21 2240.26  647.39 2240.29  648.11 2240.41
  652.05    2241  653.17  2241.2  657.29    2242  660.93  2242.9  661.34    2243
  662.23 2243.22  665.65    2244  669.02 2244.83  669.65    2245  672.81 2245.75
  673.79    2246  677.18  2246.9  677.53    2247  679.82  2247.7  681.04    2248
  683.06 2248.54  684.97    2249  686.27 2249.34  689.12    2250  689.51  2250.1
  691.61  2250.6  693.59    2251  697.36 2251.84  698.07    2252  698.51  2252.1
   702.4 2252.99  702.44    2253  706.15 2253.84  706.86    2254  710.83 2254.91
  711.04 2254.96  711.24    2255  711.87 2255.09   712.5 2255.16  713.04  2255.2
   713.5 2255.23  713.93 2255.25  715.14 2255.33  720.64 2255.49  726.74 2255.66
   734.5    2256  739.31  2256.2  744.33 2256.41   745.8 2256.44  748.62 2256.42
  749.94 2256.43  751.15 2256.41  754.21 2256.31

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  121.13    .027  720.64    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        121.13  720.64           270.64   118.2  119.17             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2238.11    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.48    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2237.63    Reach Len. (ft)          270.64     118.20     119.17
  Crit W.S. (ft)           2237.63    Flow Area (sq ft)                   391.52
  E.G. Slope (ft/ft)      0.010885    Area (sq ft)                        391.52
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            411.45    Top Width (ft)                      411.45
  Vel Total (ft/s)            5.55    Avg. Vel. (ft/s)                      5.55
  Max Chl Dpth (ft)           2.64    Hydr. Depth (ft)                      0.95
  Conv. Total (cfs)        20828.1    Conv. (cfs)                        20828.1
  Length Wtd. (ft)          118.20    Wetted Per. (ft)                    411.96
  Min Ch El (ft)           2234.99    Shear (lb/sq ft)                      0.65
  Alpha                       1.00    Stream Power (lb/ft s)    754.21      0.00       0.00
  Frctn Loss (ft)             1.28    Cum Volume (acre-ft)                  6.44
  C & E Loss (ft)             0.00    Cum SA (acres)                        6.00


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 807

INPUT
Description:
Station Elevation Data    num=     268
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2245.59     4.9 2245.43    6.16 2245.37    9.84 2245.22   10.34 2245.19
    14.1    2245   15.36 2244.95   15.57 2244.95   15.81 2244.93   16.18 2244.92
   16.81 2244.88   22.97 2244.58   26.28 2244.38   28.56 2244.26   33.06    2244
   43.69 2243.55   58.02    2243   69.01 2242.35   71.25 2242.22   75.02    2242
   76.31 2241.91   81.45  2241.6   90.94    2241   99.85  2240.4  105.93    2240
  116.53 2239.44  122.27 2239.13  124.04    2239  125.47 2238.92     143    2238
  149.64 2237.74  153.44 2237.59  163.84 2237.17  167.77    2237  176.24 2236.58
  188.44    2236     190 2235.99  207.22  2235.2  210.58 2235.06  210.96 2235.05
   211.2 2235.03  211.87    2235   212.5 2234.98  212.61 2234.98  212.94 2234.96
  213.87 2234.93  225.58 2234.67  232.72 2234.57  233.95 2234.46  234.48 2234.45
  236.14 2234.31  237.68 2234.19  238.02 2234.18  238.88 2234.13  239.17  2234.1
  239.66 2234.07  241.95 2234.02  242.69    2234  243.11    2234  243.89    2234
  243.94    2234  244.44    2234   251.1    2234  251.41    2234   251.9 2233.99
   252.9 2233.99  261.58 2233.86   263.8 2233.82  268.07 2233.73  270.74 2233.68
  271.59 2233.67   285.6 2233.41  292.13 2233.31  292.92 2233.31  294.23 2233.29
  300.11 2233.22  322.39    2233  322.88    2233  323.12 2232.99  323.15 2232.99
  324.31 2232.98  324.37 2232.98  324.72 2232.98  325.21 2232.97  325.31 2232.97
  339.26 2232.78  354.39 2232.53  373.19 2232.27  374.22 2232.24  375.35  2232.2
  379.09 2232.05  379.68 2232.03  379.74 2232.03   379.8 2232.03  380.09 2232.03
  380.33 2232.02  380.49 2232.03   380.8 2232.05  380.97 2232.05  381.17 2232.05
  381.29 2232.06  381.51 2232.07  381.74 2232.08     382  2232.1  382.32 2232.12
  382.72 2232.14  383.17 2232.16  383.79  2232.2  384.67 2232.27  385.25 2232.29
  385.84 2232.31  386.85 2232.35  389.29 2232.46  394.02 2232.74     395 2232.79
  395.69 2232.82  396.27 2232.84  396.72 2232.86  400.67    2233  405.89 2233.02
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  412.16 2233.04  417.87 2233.02  426.98    2233  429.06 2232.24  429.74    2232
  436.45 2231.99  446.13 2231.97  453.22 2231.98  456.08 2231.99  466.15    2232
  466.17    2232   466.2    2232  472.55 2232.47  478.86    2233   481.4 2233.23
  482.04 2233.28  482.53 2233.31  490.27 2233.94  491.09 2233.93  491.94  2233.9
  497.89 2233.82  502.93 2233.76  508.98 2233.82  513.63 2233.82   532.3 2233.82
   537.1 2233.83  540.55 2233.84  541.63 2233.84  546.07 2233.87  547.99 2233.88
  548.75 2233.89  550.94 2233.89  557.17 2233.89  557.89 2233.89  561.87  2233.9
  566.51 2233.92  572.12 2233.97  574.58    2234  578.95 2234.06  579.11 2234.06
  591.51 2234.26  605.57 2234.44  612.12 2234.53  617.17 2234.58  621.13 2234.61
  625.42 2234.66  628.12 2234.68  629.89 2234.68  632.71  2234.7  636.19 2234.66
  642.24 2234.49  643.38 2234.49  644.11 2234.46  644.79 2234.44  645.53 2234.44
  646.15 2234.42  647.08 2234.41  647.67 2234.39  648.31 2234.38   649.1 2234.36
  651.17 2234.32  652.24  2234.3  653.38 2234.27  659.08  2234.1  661.75    2234
  661.93 2233.89  662.11 2233.82  662.39 2233.79  664.25 2233.13   665.5 2233.24
  666.46 2233.38  667.73 2233.19  671.02 2233.39  674.97 2233.61  676.44  2233.7
  677.88 2233.83  681.13    2234  720.54 2234.87  727.53    2235  729.15 2235.08
  729.78  2235.1  738.95 2235.07  739.94 2235.05  746.88    2235  747.64 2234.99
   747.9 2234.99  748.16 2234.99  752.48 2234.99   753.8    2235  772.93 2235.66
  776.25 2235.73  793.28    2236  799.69 2236.22   801.8 2236.32  803.42 2236.38
  807.24 2236.55   807.6 2236.57  815.84  2236.8  821.53    2237  821.66    2237
   831.1 2237.37  832.19 2237.39  836.57 2237.51  840.11 2237.62  842.68 2237.69
  852.35    2238  857.36 2238.22   859.8  2238.3  864.65 2238.47  867.45 2238.54
  872.46 2238.61  874.57 2238.64  879.94 2238.68  887.75  2238.7  899.53 2238.73
  913.19 2238.89  920.48 2238.91  921.13 2238.91  925.03 2238.88  927.52 2238.86
  928.61 2238.85  937.24 2238.71  943.19 2238.58  945.89 2238.56  946.86 2238.55
  948.03 2238.55  957.59 2238.58  958.64  2238.6  963.64 2238.76  967.03 2238.79
  976.94    2239  979.71 2239.06  979.94 2239.06  980.03 2239.06   984.2 2239.09
  985.94 2239.09 1003.82 2239.04 1014.19 2239.11 1018.21 2239.17 1025.81 2239.23
 1031.08 2239.33 1034.73 2239.42 1039.19 2239.57 1040.47 2239.59 1048.15 2239.78
 1058.27    2240 1076.07 2240.43 1083.78 2240.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  116.53    .027  925.03    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        116.53  925.03            324.7  294.23  262.54             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2234.72    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.50    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2234.22    Reach Len. (ft)          324.70     294.23     262.54
  Crit W.S. (ft)           2234.22    Flow Area (sq ft)                   384.47
  E.G. Slope (ft/ft)      0.010712    Area (sq ft)                        384.47
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            388.44    Top Width (ft)                      388.44
  Vel Total (ft/s)             5.65    Avg. Vel. (ft/s)                    5.65
  Max Chl Dpth (ft)            2.25    Hydr. Depth (ft)                    0.99
  Conv. Total (cfs)        20995.5    Conv. (cfs)                        20995.5
  Length Wtd. (ft)          294.23    Wetted Per. (ft)                    388.97
  Min Ch El (ft)           2231.97    Shear (lb/sq ft)                    0.66
  Alpha                       1.00    Stream Power (lb/ft s)   1083.78    0.00       0.00
  Frctn Loss (ft)             3.24    Cum Volume (acre-ft)                5.38
  C & E Loss (ft)             0.01    Cum SA (acres)                      4.92


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 513

INPUT
Description:
Station Elevation Data    num=     234
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2239.74       2    2240    3.54 2240.16   11.83    2241   29.52 2241.19
   30.55 2241.22   42.84 2241.31   49.17 2241.08   51.27    2241   58.48 2240.19
   60.23    2240   63.91 2239.59    69.4    2239   73.67 2238.48   73.99 2238.44
   77.34    2238   78.35 2237.87   84.65    2237   89.08 2236.49   92.88    2236
   97.31 2235.47  100.91    2235  104.57  2234.5  108.27    2234  113.18 2233.26
  115.07    2233  118.54 2232.48  121.92    2232  127.43  2231.2  128.84    2231
  130.63 2230.82  138.54    2230  143.15 2229.48  145.07  2229.3  146.88    2229
  149.41 2228.31  149.95 2228.24  150.75 2228.18  151.61 2228.17  152.19 2228.22
  153.86 2228.14  154.63  2228.1  156.19 2228.16  160.67 2228.37  163.49 2228.48
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  165.53 2228.55  168.54    2228  170.57 2227.47   172.2    2227  173.49 2226.42
   174.2    2226  175.07 2225.54  175.33  2225.5  175.93 2225.47  180.07 2225.55
  185.92 2225.67  186.27 2225.67  194.09 2225.83  200.71 2225.99  202.23    2226
  205.36 2226.19  220.42    2227  231.03  2227.3  231.38 2227.31   251.6 2227.76
  256.88 2227.82  259.88 2227.86  260.67 2227.86  261.15 2227.86  270.53 2227.92
  270.62 2227.92  270.71 2227.92  270.79 2227.92   278.4    2228  292.78  2228.1
  293.92  2228.1  295.14  2228.1  296.95 2228.13   300.6 2228.14  305.27 2228.16
  309.78 2228.17  311.16 2228.19  312.62  2228.2  340.76 2228.18  341.79 2228.19
  342.88 2228.19  343.97 2228.19  364.65 2228.12  365.43 2228.12  370.42 2228.12
  374.77 2228.15  381.29 2228.11  387.61 2228.16  406.79 2228.33  417.39  2228.3
  429.22 2228.25  432.05 2228.25  433.22 2228.25  434.68 2228.25  436.52 2228.25
  438.56 2228.26  440.58 2228.27  442.32 2228.28  445.09 2228.31  470.68    2228
  475.77 2227.94  477.68 2227.86  482.91 2227.76  483.89 2227.71  487.29 2227.65
  490.24 2227.43  492.05 2227.28  495.07    2227  496.92    2227  497.09    2227
  498.09 2226.99  507.03 2226.78   515.5 2226.59   529.9  2226.8  532.09 2226.85
  561.53    2228  577.56 2228.68   585.5    2229  586.66 2229.06  586.68 2229.06
  586.71 2229.06  586.76 2229.06     597 2229.36  599.48 2229.42  610.37 2229.49
  613.59 2229.54  622.04 2229.62  628.66 2229.63  633.24 2229.68  640.43 2229.68
  641.65 2229.68  642.92 2229.68  644.46 2229.68  648.77 2229.66  666.11 2229.61
  668.84 2229.61  671.66 2229.61  673.01  2229.6  675.02 2229.57  676.92 2229.55
  684.03 2229.58  691.45 2229.52  693.21 2229.52  699.44 2229.49  716.08 2229.42
  717.93 2229.42  719.34 2229.42  720.57 2229.42   721.9 2229.42  733.15  2229.5
  735.67  2229.5   739.2 2229.53   746.4 2229.56  751.13 2229.61     760 2229.62
  762.82 2229.63  766.26 2229.65  771.19 2229.69  780.48 2229.78  786.58 2229.84
  795.99 2229.97  796.23 2229.97  798.11    2230  823.55 2230.73   824.3 2230.76
  826.35 2230.84  826.81 2230.86  827.07 2230.87  830.84    2231  839.82 2231.36
  852.58 2231.85  856.59    2232  858.03 2232.08   865.3 2232.47  873.15 2232.91
  874.28 2232.97  874.79    2233  886.74 2233.71   891.4    2234  903.57 2234.71
   907.4    2235  913.91 2235.45  920.39    2236  929.17 2236.78  931.96    2237
  934.28 2237.21  942.53    2238  945.85 2238.33  947.91 2238.51  954.41    2239
  954.79 2239.03  956.22 2239.14  956.89 2239.19  964.07 2239.72  967.96    2240
  977.38 2240.84  978.88 2240.95  979.42    2241  980.11 2241.06  991.58    2242
  999.73 2242.75 1002.55    2243  1006.1 2243.33 1013.53    2244 1017.35 2244.36
 1024.13    2245 1026.94 2245.29 1033.26    2246 1034.39 2246.15 1035.54 2246.28
 1043.43    2247 1045.98 2247.25 1049.93 2247.55    1055    2248 1058.03 2248.27
    1062 2248.59 1065.14 2248.83 1067.53    2249 1067.74 2249.02 1067.76 2249.02
 1067.79 2249.02 1072.99 2249.29 1093.51    2250 1101.63 2250.29 1112.93 2250.69
 1119.11 2250.76 1122.13  2250.8 1164.05 2250.56 1176.68 2250.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   49.17    .027  956.89    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         49.17  956.89            781.7  233.35  217.92             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2229.06    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.48    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2228.59    Reach Len. (ft)          781.70     233.35     217.92
  Crit W.S. (ft)           2228.59    Flow Area (sq ft)                   392.55
  E.G. Slope (ft/ft)      0.011342    Area (sq ft)                        392.55
  Q Total (cfs)            2173.00    Flow (cfs)                         2173.00
  Top Width (ft)            426.95    Top Width (ft)                      426.95
  Vel Total (ft/s)             5.54    Avg. Vel. (ft/s)                    5.54
  Max Chl Dpth (ft)            3.12    Hydr. Depth (ft)                    0.92
  Conv. Total (cfs)        20404.4    Conv. (cfs)                        20404.4
  Length Wtd. (ft)          233.35    Wetted Per. (ft)                    427.67
  Min Ch El (ft)           2225.47    Shear (lb/sq ft)                      0.65
  Alpha                        1.00    Stream Power (lb/ft s)   1176.68       0.00       0.00
  Frctn Loss (ft)              0.90    Cum Volume (acre-ft)                  2.76
  C & E Loss (ft)              0.09    Cum SA (acres)                        2.16


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
          This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 280

INPUT
Description:
Station Elevation Data    num=     375
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
      0 2231.09      .7    2231    4.18 2230.59    9.05    2230   11.98 2229.67
  17.22    2229   19.23 2228.76   24.37 2228.14    25.5    2228   30.58 2227.41
  34.16    2227   39.95 2226.31   42.58    2226    45.7 2225.67   51.03    2225
  56.65 2224.39   59.95    2224   64.77 2223.51   69.39    2223   74.91 2222.39
  79.36    2222   85.35 2221.56   92.26    2221  106.24 2220.07  107.44    2220
 109.62 2219.89  110.38 2219.85  111.83 2219.79  124.58 2219.21  128.04 2219.11
 133.15 2219.02  133.22 2219.01  133.27 2219.01   133.3 2219.01  133.34 2219.01
 134.85    2219  137.51    2219  137.69    2219  138.08    2219  144.09    2219
 144.47    2219  149.89    2219  151.94 2219.01  159.91 2219.07  160.92 2219.08
    161 2219.08  161.74 2219.09  162.46  2219.1  177.17 2219.08  184.46 2219.09
 186.8 2219.07  188.87 2219.08     198 2219.11  206.79 2219.16  213.33 2219.25
    218 2219.31  228.02 2219.53   232.4 2219.65  236.64 2219.75  243.38 2219.94
 245.62    2220   261.2 2220.59  266.75 2220.73  271.28 2220.86   275.4    2221
 277.03 2221.09  277.57 2221.11  281.65 2221.34  283.59 2221.47  286.03 2221.59
 287.58 2221.66  289.76 2221.73  297.63    2222  305.56 2222.44  306.34 2222.47
 310.38 2222.59  322.94    2223  342.88 2223.98  343.35    2224  350.79 2224.36
 354.93  2224.5  357.38 2224.56  358.91  2224.6  361.38 2224.62  373.57 2224.68
 379.23 2224.67  382.17 2224.66  385.35 2224.62  392.05  2224.5  398.04 2224.37
 404.42 2224.35  405.42 2224.32  406.69  2224.3  408.44 2224.24   411.7 2224.07
    412 2224.06  412.86    2224  425.76 2223.65  427.53 2223.63  429.41 2223.59
 431.95 2223.54  436.42 2223.49  440.44 2223.48  441.04 2223.48  442.96 2223.48
 443.77 2223.47  445.05 2223.46  449.36 2223.42  451.11 2223.41  452.74 2223.39
 454.68 2223.39  456.17 2223.36  458.55 2223.31     460 2223.34  473.95 2223.26
    493  2223.1   493.7 2223.09  494.34 2223.09  496.61 2223.03  496.96 2223.03
 498.02    2223  499.75 2222.93  508.24 2222.64  518.34    2222  520.59 2221.98
 523.87 2221.97  528.13 2221.99  528.59 2221.99  532.38    2222  532.95 2221.99
 533.78    2222   535.1    2222  535.53    2222  536.27    2222  536.58    2222
 537.06    2222  541.25 2221.98     543 2221.97  544.59 2221.97  544.98 2221.97
 551.71    2222  552.43 2222.19   552.6 2222.19  554.71 2222.23  558.96 2222.38
 561.64  2222.5  565.85 2222.69  571.13 2222.92  572.02 2222.95  572.88    2223
 581.99 2223.06  582.03 2223.06  582.25 2223.06  585.72 2223.04  592.39    2223
 592.44    2223  592.49    2223  592.85    2223  593.15    2223  593.26    2223
 593.27    2223   593.3    2223  593.92    2223  593.95    2223  594.94    2223
 607.01 2223.12  617.99 2223.23  618.03 2223.23  621.39 2223.17  621.43 2223.17
 621.49 2223.17  626.36 2223.12  626.41 2223.12  626.47 2223.12  640.48    2223
 650.72 2222.94  650.86 2222.94  650.99 2222.94  656.32 2222.92  662.16 2222.93
  662.3 2222.93  668.62 2222.96  672.75    2223  675.09 2223.02  675.24 2223.02
 675.37 2223.02  675.51 2223.03  675.62 2223.03  675.74 2223.03  682.64 2223.12
 683.16 2223.13   688.5 2223.22  698.75 2223.34  706.52 2223.41  710.67  2223.4
 718.33 2223.41  728.34 2223.38  730.42 2223.38  734.07 2223.38  736.26 2223.37
  747.4 2223.37  749.71 2223.37  753.34 2223.36  757.46 2223.35  762.49 2223.32
 768.02 2223.29  773.37 2223.25  779.17 2223.19  785.45  2223.1  786.15 2223.09
 791.46    2223  802.56 2222.64  803.78  2222.6   804.8 2222.57  809.98 2222.42
 810.84 2222.41   814.1 2222.33  816.48  2222.3   817.4  2222.3  819.63  2222.3
 822.01 2222.33  823.27 2222.34  825.82 2222.37  832.05 2222.47  834.54 2222.49
 836.63  2222.5  846.75 2222.63  852.42 2222.56  861.96 2222.37  863.94 2222.36
  865.8  2222.3  868.05 2222.22  873.49    2222  874.19    2222  882.01 2221.99
 886.85 2221.98  889.52 2221.98  891.56 2221.98  896.42 2221.99  901.52 2221.99
 902.98 2221.99  904.74 2221.99  908.36    2222  909.41 2222.25  912.76    2223
 917.94 2223.61  920.61 2223.64  921.76 2223.68  922.71  2223.7  925.99 2223.73
  929.5 2223.75  939.25 2223.81  942.71 2223.82  956.87 2223.82  962.93 2223.84
 970.15 2223.88  972.93 2223.89   983.1    2224  991.63 2224.05  991.72 2224.05
 993.25 2224.06  994.74 2224.07 1019.55 2224.16 1032.36 2224.28 1036.12  2224.3
1040.99 2224.34  1045.5 2224.36 1051.26 2224.36 1053.72 2224.37 1055.24 2224.39
1062.04 2224.49  1072.9 2224.84 1077.11 2224.99 1077.37 2224.99 1077.88 2224.99
 1078.9 2224.99 1079.52 2224.99 1080.58 2224.99    1081 2224.99 1081.38 2224.99
1084.49    2225 1085.03    2225 1085.18    2225 1086.09    2225 1089.28 2225.07
1119.61    2226 1157.97 2226.72 1172.37    2227 1173.23 2227.01 1174.88 2227.02
1175.89 2227.02 1190.75 2227.25  1211.8 2227.39 1216.87 2227.52 1220.98 2227.56
1230.97 2227.79  1233.8 2227.83  1241.3    2228 1247.96 2228.07 1266.17 2228.26
1279.79 2228.47 1284.98  2228.5 1289.61 2228.53 1293.21 2228.56 1299.06 2228.66
1301.51 2228.69 1315.13  2228.9  1315.8 2228.92 1320.63    2229 1326.18 2229.11
1336.64 2229.33 1341.58 2229.45 1351.75 2229.67 1359.22 2229.84  1367.6    2230
1369.57 2230.03 1375.49 2230.11 1379.89 2230.16 1383.87  2230.2 1385.84 2230.22
1387.81 2230.24 1411.01 2230.71 1425.68    2231 1438.82 2231.34 1441.66 2231.42
1466.23    2232 1471.02 2232.09 1477.68 2232.21 1486.62 2232.35 1495.71 2232.46
1498.07 2232.51 1499.95 2232.54 1514.77 2232.98 1515.49 2232.98 1516.22 2232.98
1523.36 2232.98 1539.41 2232.99 1543.85    2233 1547.31 2233.09 1548.01 2233.11
1553.99 2233.29 1555.89 2233.34 1558.62 2233.45 1572.79 2233.92 1578.72 2233.92
1584.53    2234 1598.92  2234.2 1599.59 2234.21  1600.2 2234.22 1602.27 2234.27
1614.59 2234.63 1625.36 2234.97 1626.13 2234.97 1627.29 2234.97  1634.8 2234.97
1641.29 2234.98 1646.78 2234.99 1648.82 2234.99 1649.99 2234.99  1651.8 2234.99
1652.33 2234.99 1653.56    2235 1654.42    2235 1655.37    2235 1656.11    2235
 1656.5    2235  1657.3    2235 1659.26 2235.06 1670.81 2235.46 1684.62 2235.94
1684.95 2235.94  1686.9 2235.96 1689.57    2236 1710.58 2236.63 1711.59 2236.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   24.37    .027 1411.01    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         24.37 1411.01           903.84  279.52  128.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2222.73    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.18    Wt. n-Val.                          0.027
```

W.S. Elev (ft)	2222.55	Reach Len. (ft)	0.00	0.00	0.00
Crit W.S. (ft)		Flow Area (sq ft)		637.37	
E.G. Slope (ft/ft)	0.001931	Area (sq ft)		637.37	
Q Total (cfs)	2173.00	Flow (cfs)		2173.00	
Top Width (ft)	380.50	Top Width (ft)		380.50	
Vel Total (ft/s)	3.41	Avg. Vel. (ft/s)		3.41	
Max Chl Dpth (ft)	3.55	Hydr. Depth (ft)		1.68	
Conv. Total (cfs)	49447.6	Conv. (cfs)		49447.6	
Length Wtd. (ft)	0.00	Wetted Per. (ft)		380.81	
Min Ch El (ft)	2219.00	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)	1711.59	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)			
C & E Loss (ft)	0.15	Cum SA (acres)			

Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 9459

INPUT
Description:
Station Elevation Data num= 301

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2412.79	3.98	2412.68	7.79	2412.58	9.48	2412.55	11.77	2412.47
17.97	2412	22.54	2411.51	23.05	2411.49	25.11	2411.39	25.89	2411.56
28.42	2412	30.02	2412	35.43	2412	35.85	2412	41.3	2412
42.27	2412	43.52	2412	44.43	2412	46.84	2412	47.9	2412
49.36	2412	51.78	2412	53.37	2412	55.81	2412	56.94	2412
58.98	2412	60.88	2412	61.15	2412	61.35	2412	62.75	2412
83.83	2412	86.41	2412	87.26	2411.96	87.31	2411.96	93.59	2411.69
96.86	2411.58	99.03	2411.52	101.92	2411.44	106.58	2411.36	108.35	2411.31
110.37	2411.26	114.18	2411.14	114.72	2411.12	116.8	2411.02	118.12	2411
124.28	2410.42	127.38	2410.43	127.81	2410.44	128.5	2410.45	131.23	2410.22
137.46	2410.21	143.56	2410.12	147.76	2410.06	149.45	2410.05	149.51	2410.05
149.59	2410.05	150.07	2410	150.98	2409.42	151.8	2409	153.15	2408.31
153.74	2408	155.35	2407.2	155.75	2407	156.1	2406.83	157.78	2406
158.17	2405.8	159.8	2405	160.26	2404.77	161.89	2404	163.33	2403.32
163.91	2403.1	164.23	2403	164.37	2403	166.12	2402.95	166.45	2402.95
166.72	2402.94	168.95	2403	168.98	2403	169.04	2403	169.16	2403.04
172.35	2404	173.91	2404.46	175.18	2404.86	175.61	2405	176.47	2405.99
176.49	2406	176.52	2406.04	176.59	2406.12	177.23	2407	177.62	2407.54
177.95	2408	178.64	2408.94	178.68	2409	179.13	2409.69	179.36	2410
180.11	2410.82	180.22	2410.81	180.86	2410.81	181.64	2410.77	182.06	2410.72
183.02	2410.61	183.92	2410.51	184.05	2410.49	188.83	2410	191.65	2409.68
192.16	2409.66	192.6	2409.65	196.88	2409.17	197.09	2409.17	197.37	2409.16
199.44	2409.1	199.98	2409.1	200.91	2409.06	201.65	2409.03	202.05	2409
202.11	2408.95	203.09	2408	203.11	2407.99	203.37	2407.76	204.16	2407
204.71	2406.5	205.26	2406	205.76	2405.55	206.28	2405	206.36	2404.92
207.24	2404	207.46	2403.8	208.23	2403	208.57	2402.69	209.25	2402
209.8	2401.45	210.27	2401	210.71	2400.61	211.33	2400	211.41	2399.74
212.91	2399	213.58	2398.51	214.96	2398	217.7	2397.07	217.86	2397
218.02	2396.94	220.4	2396	222.43	2395.39	223.47	2395	225.5	2394.37
226.42	2394	229.19	2393.41	230.4	2393	233.49	2392.35	234.03	2392.24
235.03	2392	235.44	2391.88	236.62	2391.5	236.94	2391.38	237.51	2391.12
237.91	2391	240.09	2390.18	240.27	2390.15	240.62	2390	241.1	2389.83
241.69	2389.75	244.2	2389	254.36	2388.15	256.87	2388	271.9	2387.61
275.38	2387.52	296.38	2387	301.94	2386.6	305.44	2386.45	317.06	2386
317.08	2386	317.11	2386	317.2	2386	317.45	2386	320.97	2385.98
331.14	2385.92	332.83	2385.93	345.12	2386	345.6	2386.07	348.21	2386.53
349.81	2387	350.42	2387.24	351.89	2388	352.86	2388.53	353.01	2388.6
353.78	2389	354.66	2389.46	355.72	2390	356.65	2390.47	356.95	2391
357.12	2391.38	357.43	2392	357.58	2392.69	357.79	2393	358.04	2393.82
358.11	2394	358.14	2394.41	358.51	2395	358.59	2395.27	358.85	2396
358.98	2396.54	359.29	2397	359.3	2397.44	359.61	2398	359.75	2398.32
359.99	2399	360.11	2399.4	360.46	2399.8	360.52	2400	360.54	2400.56
360.74	2401	360.93	2401.43	361.12	2402	361.39	2402.63	361.72	2403
361.8	2403.19	362.25	2404	362.51	2404.96	362.53	2405	362.56	2405.05
363.24	2406	363.3	2406.39	363.63	2407	363.96	2407.76	364.08	2408
364.42	2408.76	364.55	2409	364.68	2409.28	365.14	2410	365.61	2410.94
365.64	2411	366.12	2411.95	366.15	2412	366.63	2412.96	366.65	2413
366.81	2413.47	367.09	2414	367.28	2414.39	367.6	2415	367.75	2415.3
368.13	2416	368.23	2416.2	368.65	2417	368.7	2417.08	369.01	2417.66
369.19	2418	369.2	2418.01	369.76	2419	369.79	2419.05	370.33	2420
370.38	2420.09	370.9	2421	371.84	2421.93	372.97	2421.99	372.98	2421.99
372.99	2421.99	374.86	2421.96	375.01	2421.95	375.09	2421.95	381.81	2421.71
382.16	2421.72	382.62	2421.77	382.84	2421.78	383.08	2421.78	384.72	2421.77
385.33	2421.76	386.33	2421.73	391.79	2422	393.37	2422.04	393.54	2422.06
393.64	2422.06	395.31	2422.14	396.48	2422.25	397.49	2422.29	397.71	2422.31
397.97	2422.33	399.35	2422.48	403.41	2423	408.69	2423.56	412.58	2424
421.96	2424.96	422.36	2425	422.63	2425.02	432.74	2426	439.43	2426.23
440.57	2426.24	441.29	2426.24	458.67	2426.33	478.44	2426.03	481.14	2426
481.4	2426	481.63	2426	482	2425.96	491.43	2425	500.26	2424.12

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  501.33    2424  501.74 2423.95  510.94    2423  511.34 2422.95  518.37    2422
  518.56 2421.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  200.91    .027  353.01    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        200.91  353.01           131.32  131.94  141.31             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2392.54    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.93    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2391.61    Reach Len. (ft)          131.32     131.94    141.31
  Crit W.S. (ft)                      Flow Area (sq ft)                   515.64      7.88
  E.G. Slope (ft/ft)       0.002760   Area (sq ft)                        515.64      7.88
  Q Total (cfs)            4013.00    Flow (cfs)                         3990.32     22.68
  Top Width (ft)            120.96    Top Width (ft)                      116.73      4.23
  Vel Total (ft/s)             7.67   Avg. Vel. (ft/s)                      7.74      2.88
  Max Chl Dpth (ft)            5.69   Hydr. Depth (ft)                      4.42      1.86
  Conv. Total (cfs)        76388.9    Conv. (cfs)                        75957.3     431.7
  Length Wtd. (ft)          131.97    Wetted Per. (ft)                    117.75      5.38
  Min Ch El (ft)           2385.92    Shear (lb/sq ft)                      0.75      0.25
  Alpha                        1.01   Stream Power (lb/ft s)   518.56       0.00      0.00
  Frctn Loss (ft)              0.55   Cum Volume (acre-ft)       1.26      82.75      1.79
  C & E Loss (ft)              0.13   Cum SA (acres)             2.10      31.77      2.38


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 9327

INPUT
Description:
Station Elevation Data    num=     293
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2411.87     .53 2411.87    3.65 2411.85    6.02 2411.85    6.28 2411.84
    7.81 2411.84    8.13 2411.83     9.9 2411.81   11.68 2411.79   13.24 2411.75
   16.21  2411.7   16.49  2411.7   17.52 2411.67   19.59 2411.64   20.53 2411.61
   21.33 2411.57   23.98 2411.47   25.91 2411.41    46.6 2411.05   48.24    2411
   48.94 2410.99    54.8 2410.67   58.66 2410.52    59.9  2410.5   61.16 2410.49
   64.82 2410.46   71.55 2410.35    72.3 2410.34   78.72 2410.21   79.09 2410.21
   82.98 2410.16   83.17 2410.15   87.41 2410.14   87.81 2410.12   88.14  2410.1
   88.54 2410.09   88.92 2410.08   89.44 2410.07   89.88 2410.07   90.91 2410.07
  114.42 2410.11   115.1 2410.11  115.29 2410.11  115.47 2410.11   119.9 2410.02
  122.65 2410.02  123.65 2410.02  125.86 2410.02  126.88 2410.02  127.01 2410.02
  133.84 2410.03  134.51 2410.03  136.91 2410.02  143.56 2410.01  145.49    2410
  146.56    2410   146.8    2410  148.34 2409.57  150.38    2409  153.45  2408.1
  153.79    2408   153.8    2408  153.86    2408  153.96    2408  154.33    2408
  154.37    2408  161.72 2408.79  163.21    2409  163.43    2409  163.44    2409
  163.68 2409.01  171.58  2409.1  175.07 2409.12  175.49 2409.12  175.98 2409.12
  176.55 2409.12  177.75 2409.13  178.67 2409.11  179.06  2409.1  179.81 2409.11
  182.97 2409.09  183.07 2409.09  184.67 2409.09  184.82 2409.09  185.05 2409.09
   191.8 2409.05  191.83 2409.05  191.88 2409.05  195.44 2409.03  196.16 2409.03
  198.62 2409.03  202.36 2409.01  203.51 2409.01  204.08 2409.01  204.34 2409.01
  205.17    2409  207.93    2409  211.27  2408.4  213.23    2408   213.8 2407.76
  215.18    2407  215.38  2406.9   216.9    2406  217.32  2405.8  218.64    2405
  219.69 2404.52  220.62    2404  221.42 2403.59  222.67    2403  223.58 2402.35
  224.42    2402   225.4  2401.6  226.04 2401.27  226.58    2401  228.18 2400.53
   229.9    2400  231.73 2399.53  233.59    2399  236.25 2398.18  236.97    2398
     239 2397.49  240.88    2397  243.04 2396.84  243.15 2396.83  243.25 2396.81
  243.65 2396.72  244.02 2396.62   244.8  2396.4  245.18 2396.29  245.71 2396.12
  245.79 2396.11  246.09    2396  249.09 2395.57   250.3  2395.4  250.96 2395.31
  251.56 2395.24  253.04    2395  253.88 2394.84  253.99 2394.83  254.86 2394.66
  255.02 2394.66  255.58 2394.55  262.81 2394.02  263.06 2394.03  263.43 2394.03
  264.49 2394.03  266.04 2394.02  269.37    2394  270.06 2393.28  270.29    2393
  270.98 2392.28  271.22    2392  271.93 2391.13  272.03    2391  272.86 2390.09
  272.94    2390  273.78 2389.08  273.84    2389  274.28 2388.44  274.71    2388
  274.85 2387.93  277.13    2387  278.24 2386.64  278.58 2386.56  280.77    2386
  281.88 2385.98  297.27 2385.54  301.29 2385.44  304.04 2385.37  318.22    2385
  329.57 2384.65   339.5 2384.59  350.24  2384.7  350.36 2384.68  350.54    2385
  350.72 2385.67  350.73    2386  351.06 2386.87  351.06    2387  351.38 2387.94
  351.39    2388  351.74 2388.99  351.74    2389  351.77  2389.1  352.02    2390
  352.55 2390.38  353.36    2391  353.57 2391.22  354.35    2392  355.23 2392.98
  355.25    2393  355.26 2393.02  355.77 2393.64  356.04    2394  356.92 2394.88
  356.98 2394.96  357.02    2395  357.06 2395.03  357.26 2395.17   358.5    2396
     360 2396.96  360.07    2397  360.36 2397.19  361.56    2398  363.01 2398.98
  363.03    2399  363.04 2399.01  364.33    2400  364.83 2400.34  365.91    2401
  366.34 2401.29  367.58    2402  367.84 2402.17  369.32    2403  369.47 2403.09
   370.8 2403.87   371.1    2404  371.58 2404.33  372.03 2404.51  372.31 2404.66
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  372.47 2404.72  372.86 2404.78   373.2 2404.82  373.33 2404.84  376.07    2405
  376.59 2405.04  376.99 2405.07  378.61 2405.33  379.13 2405.48  380.56  2405.9
  380.77 2405.96  380.85    2406  380.89 2406.03  381.71    2407  381.77 2407.06
   382.5    2408  383.05 2408.68   383.3    2409  383.46 2409.17  384.14    2410
  384.78 2410.68  385.04    2411  385.28 2411.11  386.22    2412  386.71 2412.42
  387.24    2413   387.7 2413.75  388.02    2414  388.41 2414.31  389.28    2415
  390.05 2415.61  390.44    2416  391.34 2416.71  391.64    2417  392.74  2417.7
  393.11    2418  394.67 2418.55  395.55    2419  395.87 2419.04  397.64  2419.4
  400.27 2419.89  400.66    2420  401.29  2420.1  402.62 2420.28  404.95    2421
  410.29 2421.57  414.64    2422  420.74 2422.62  423.42 2422.87  423.97 2422.92
  424.89    2423  440.26 2423.65  449.38 2423.83  449.73 2423.84  450.83 2423.87
   453.6 2423.89  455.14 2423.85  458.79 2423.74  459.73 2423.65  462.04 2423.51
  467.05    2423  470.26 2422.64  476.14    2422  480.83 2421.47  484.97    2421
  489.25 2420.53  493.96    2420  498.78 2419.46  502.74    2419  509.61 2418.15
  510.99    2418  511.52 2417.94  511.87  2417.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  226.04    .027  357.26    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        226.04  357.26           113.25  132.02  142.78             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2391.86    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.18    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2389.68    Reach Len. (ft)          113.25     132.02     142.78
  Crit W.S. (ft)           2389.68    Flow Area (sq ft)                   338.85
  E.G. Slope (ft/ft)      0.007156    Area (sq ft)                        338.85
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)             78.70    Top Width (ft)                       78.70
  Vel Total (ft/s)           11.84    Avg. Vel. (ft/s)                     11.84
  Max Chl Dpth (ft)           5.09    Hydr. Depth (ft)                      4.31
  Conv. Total (cfs)        47437.9    Conv. (cfs)                        47437.9
  Length Wtd. (ft)          132.59    Wetted Per. (ft)                     83.51
  Min Ch El (ft)           2384.59    Shear (lb/sq ft)                      1.81
  Alpha                       1.00    Stream Power (lb/ft s)    511.87      0.00       0.00
  Frctn Loss (ft)             0.70    Cum Volume (acre-ft)        1.26      81.45       1.78
  C & E Loss (ft)             0.41    Cum SA (acres)              2.10      31.48       2.38


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 9195

INPUT
Description:
Station Elevation Data    num=      95
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2400.47    6.18    2400   11.46 2399.57   18.73    2399   24.95  2398.5
   31.14    2398   35.79 2397.63   43.55    2397   51.54 2396.34   55.56    2396
   60.16 2395.61    68.1    2395   72.36 2394.67   80.51    2394   85.16 2393.62
   92.59    2393  101.87 2392.14   103.6    2392  104.88 2391.91  115.49    2391
  122.97  2390.3  126.41    2390  135.51 2389.17  137.38    2389   145.6 2388.34
  150.09    2388  158.54 2387.28  161.44 2387.04  161.95    2387  166.04 2386.64
  171.52 2386.16  173.38    2386  181.42 2385.42  187.31    2385  197.65  2384.4
  202.52 2384.14  205.02    2384  206.14 2383.98  206.41 2383.98  206.63 2383.98
  206.82 2383.98  207.04 2383.98  207.79 2383.97   209.4 2383.95  209.47 2383.95
  209.54 2383.95   212.1 2383.93  219.17 2383.84   222.3 2383.84  228.52 2383.49
   234.9 2383.19  236.21 2383.18  236.37 2383.18  239.28    2383   246.8 2382.95
  250.39  2382.9  266.42 2382.64  282.97 2382.52  283.09 2382.52   283.6 2382.53
  289.21 2382.62  289.36 2382.62  290.45 2382.64   291.6 2382.66  300.84    2383
  307.63 2383.29   308.5  2383.3  308.81 2383.31   309.1 2383.31  312.32 2383.38
     315 2383.42  315.78 2383.43  317.87 2383.45  322.16 2383.61  322.89 2383.64
  331.59    2384  331.69    2384  332.92    2384  337.19 2384.17  357.34    2385
  364.69 2385.39  377.64 2385.92   377.7 2385.92  377.78 2385.92  380.27    2386
  400.32 2386.95  401.33    2387  406.45 2387.39  414.83    2388   417.7 2388.24
  428.02    2389  434.71 2389.47  441.73    2390  450.22 2390.59  452.52 2390.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  171.52    .027  322.16    .035
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        171.52  322.16           124.63      98   78.37            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2387.50    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               0.81    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2386.69    Reach Len. (ft)          124.63      98.00     78.37
  Crit W.S. (ft)                      Flow Area (sq ft)          1.61     475.69    115.79
  E.G. Slope (ft/ft)       0.004051   Area (sq ft)               1.61     475.69    115.79
  Q Total (cfs)            4013.00    Flow (cfs)                 1.80    3584.77    426.43
  Top Width (ft)            229.42    Top Width (ft)             6.07     150.64     72.71
  Vel Total (ft/s)            6.77    Avg. Vel. (ft/s)           1.11       7.54      3.68
  Max Chl Dpth (ft)           4.17    Hydr. Depth (ft)           0.27       3.16      1.59
  Conv. Total (cfs)        63047.0    Conv. (cfs)               28.3     56319.3    6699.5
  Length Wtd. (ft)            96.92   Wetted Per. (ft)           6.09     150.76     72.78
  Min Ch El (ft)           2382.52    Shear (lb/sq ft)           0.07       0.80      0.40
  Alpha                       1.14    Stream Power (lb/ft s)   452.52       0.00      0.00
  Frctn Loss (ft)             0.51    Cum Volume (acre-ft)       1.26      80.22      1.59
  C & E Loss (ft)             0.08    Cum SA (acres)             2.09      31.13      2.26


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 9097

INPUT
Description:
Station Elevation Data    num=     183
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2407.39    6.61  2407.3    20.2    2407   31.51 2406.81   34.38 2406.76
   38.15 2406.72    53.5  2406.5      58 2406.44   63.18 2406.41   67.88  2406.4
   73.27 2406.36   77.88  2406.4   83.09 2406.39   89.41 2406.43   94.32 2406.46
  101.83 2406.49  109.61 2406.56   117.4 2406.57  119.92 2406.59  121.93  2406.6
  124.07 2406.59   127.9 2406.59  133.64 2406.58  137.75 2406.56  140.89 2406.56
  145.41 2406.53  150.84 2406.55  155.61 2406.52  158.22 2406.51  160.89 2406.51
  167.89 2406.44  180.66 2406.18  189.45    2406  189.55    2406  189.63    2406
  192.86    2406  196.48    2406  196.73    2406  196.87    2406  197.22    2406
  197.35    2406   197.8    2406  197.89    2406  198.47    2406  198.51    2406
  198.53    2406  198.86    2406  199.59 2405.83  199.85 2405.78  200.05 2405.74
  203.53    2405  203.98 2404.66   204.8    2404  205.21 2403.69  206.07    2403
  207.06  2402.2  207.31    2402  208.42 2401.11  208.56    2401  209.75 2400.04
   209.8    2400  210.69 2399.28  211.03    2399  211.32 2398.77  211.62 2398.54
   212.3    2398  212.42 2397.91  213.68    2397  214.17 2396.62  215.24    2396
  215.92  2395.6  216.82    2395   217.9 2394.43   218.7    2394  220.26 2393.26
  220.75    2393  221.45 2392.62  223.01    2392  224.02 2391.73  226.38    2391
  227.27  2390.7  229.52    2390  231.38  2389.3   232.3    2389  233.09 2388.77
     235    2388  235.84 2387.77  238.31    2387  239.29 2386.73  241.68    2386
  243.16 2385.58  246.52    2385  247.71 2384.86  249.07 2384.68  250.99    2384
  251.27 2383.38  251.45    2383  251.78 2382.24  251.91    2382  252.14 2381.69
   252.3 2381.65  252.59 2381.63  253.24  2381.6  255.09 2381.46   255.7 2381.36
  260.18    2381  261.07    2381  261.33    2381  261.36    2381  261.63    2381
  261.88    2381  265.23    2381  265.32    2381  266.04    2381  267.63    2381
  267.79    2381  268.19    2381  268.76    2381  269.43 2380.99  273.11 2380.99
  273.39 2380.99  273.55 2380.99  273.94 2380.99  284.91 2380.99  285.69 2380.99
  290.58 2380.99   302.7    2381  302.89    2381  304.16    2381  308.22    2381
  308.42 2381.01  310.88  2381.1  317.54 2381.34  323.67 2381.54   332.6 2381.78
  337.39    2382  342.88 2382.53   344.4    2383   346.6 2383.76  347.31    2384
  349.66 2384.73  350.91 2384.69  352.64 2384.62  353.14 2384.57  354.08 2384.54
  354.54 2384.51  355.54 2384.44  356.23 2384.38  356.57 2384.38  356.96 2384.34
  359.07 2384.31  359.48 2384.31  362.07 2384.35  362.68 2384.38  369.53    2385
  377.75 2385.85  379.25    2386  383.21 2386.39  389.45    2387  391.81 2387.21
  394.11 2387.44  399.83    2388  402.82 2388.25  408.35 2388.65  410.98 2388.85
  413.35    2389  417.08 2389.22  420.25 2389.38  427.46 2389.78  430.45 2389.94
   431.3    2390  434.68 2390.34  441.21    2391  442.21 2391.14   442.7  2391.2
     446 2391.61   449.6    2392  458.13 2392.87  459.32    2393  459.99 2393.06
  460.33  2393.1  461.28  2393.2  463.46  2393.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  211.62    .027  359.07    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        211.62  359.07            83.07   102.6  113.11            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2386.91    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.65    Wt. n-Val.                           0.027     0.035
  W.S. Elev (ft)           2385.26    Reach Len. (ft)           83.07     102.60    113.11
  Crit W.S. (ft)           2385.26    Flow Area (sq ft)                   387.14      7.63
  E.G. Slope (ft/ft)       0.007055   Area (sq ft)                        387.14      7.63
  Q Total (cfs)            4013.00    Flow (cfs)                         3993.98     19.02
```

Top Width (ft)	127.09	Top Width (ft)		114.08	13.01
Vel Total (ft/s)	10.17	Avg. Vel. (ft/s)		10.32	2.49
Max Chl Dpth (ft)	4.27	Hydr. Depth (ft)		3.39	0.59
Conv. Total (cfs)	47776.4	Conv. (cfs)		47550.0	226.4
Length Wtd. (ft)	102.65	Wetted Per. (ft)		116.12	13.06
Min Ch El (ft)	2380.99	Shear (lb/sq ft)		1.47	0.26
Alpha	1.03	Stream Power (lb/ft s)	463.46	0.00	0.00
Frctn Loss (ft)	0.73	Cum Volume (acre-ft)	1.26	79.25	1.48
C & E Loss (ft)	0.01	Cum SA (acres)	2.08	30.83	2.18

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8995

INPUT
Description:
Station Elevation Data num= 230

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2406.91	30.38	2406.37	33.82	2406.31	50.12	2406	80	2405.28
80.99	2405.25	91.18	2405	91.36	2405	91.39	2405	92.78	2404.87
99.45	2404	100.74	2403.29	101.32	2403	101.7	2402.81	103.23	2402
103.29	2401.97	105.21	2401	106.65	2400.18	106.96	2400	107.3	2399.82
107.71	2399.76	108.06	2399.71	108.1	2399.71	111.98	2399.73	112.03	2399.73
112.1	2399.73	112.19	2399.74	113.2	2399.86	114.08	2399.99	114.18	2400
114.24	2400	114.41	2400.07	115.68	2401	116.19	2401.45	116.78	2402
117.43	2402.58	117.93	2403	118.67	2403.68	119.04	2404	122.65	2404.62
122.87	2404.65	123.06	2404.68	124.14	2404.84	126.38	2405	126.79	2405
127.44	2405.01	130.2	2405.04	130.71	2405.04	130.95	2405.04	156.97	2405.2
159.43	2405.2	172.17	2405.06	175.85	2405.01	176.74	2405.01	177.84	2405.01
180.55	2405.01	180.75	2405.01	180.87	2405.01	181.16	2405.01	181.55	2405.01
181.76	2405.01	185	2405	185.11	2405	185.12	2405	185.4	2405
185.47	2404.97	187.33	2404.07	187.48	2404	187.54	2403.97	189.58	2403
191.27	2402.2	191.77	2402	191.91	2402	192.04	2402	192.1	2402
192.2	2402	192.25	2402	192.3	2402	192.48	2402	192.71	2402.06
195.83	2403	196.23	2403.12	197.31	2403.38	197.63	2403.47	198.26	2403.53
198.56	2403.57	199.24	2403.49	199.55	2403.46	199.83	2403.39	201.07	2403.1
201.15	2403.08	201.19	2403.06	201.42	2403	204.86	2402.19	205.23	2402.1
205.3	2402.07	205.37	2402.05	205.4	2402.04	205.42	2402.03	205.45	2402
205.63	2401.84	206.51	2401	206.88	2400.67	207.59	2400	208.34	2399.36
208.51	2399.18	208.73	2399	208.81	2398.93	209.84	2398	209.98	2397.87
210.9	2397	211.25	2396.7	211.73	2396	212.91	2395.26	213.22	2395
213.5	2394.76	214.33	2394	214.71	2393.68	215.48	2393	216.23	2392.34
216.62	2392	217.17	2391.67	217.33	2391.58	218.33	2391	220.15	2390.26
220.71	2390	222.44	2389.31	223.24	2388.98	223.93	2388.68	225.72	2387.95
226.85	2387.49	230.07	2386.15	231.88	2385.39	246.81	2383.24	249.74	2383
250.92	2382.77	254.4	2382	255.51	2381.77	258.98	2381	260.28	2380.74
263.68	2380	269.4	2379.87	271.25	2379.85	272.59	2379.86	278.98	2379.88
289.45	2380	292.89	2380.03	296.12	2380.04	298.18	2380.05	299.63	2380.04
300.35	2380.03	300.99	2380.02	303.89	2380	304.32	2380	304.35	2380
304.37	2380	305.54	2380	306.38	2380	306.56	2380	306.94	2380
307.39	2380	307.73	2380	309.24	2380	310.27	2380	311.58	2380
313.02	2380	313.26	2380	313.96	2380	314.14	2380	314.24	2380
314.41	2380	314.52	2380	314.55	2380	314.59	2380	316.18	2379.91
319.21	2379.73	320.19	2379.72	321.19	2379.67	322.18	2379.62	334.05	2379.34
339.28	2379.27	339.97	2379.28	346.82	2379.27	349.06	2379.32	352.36	2379.4
361.76	2380	361.78	2380.13	361.91	2381	361.94	2381.14	364.88	2382
365.87	2382.13	370.9	2382.8	372.41	2383	374.19	2383.24	379.84	2384
380.42	2384.08	380.91	2384.15	386.93	2385	387.35	2385.06	393.53	2386
394.46	2386.14	400.21	2387	405.53	2387.77	407.09	2388	409.06	2388.26
414.33	2389	416.92	2389.35	421.95	2390	428.73	2390.86	429.84	2391
431.01	2391.15	437.13	2392	440.81	2392.51	444.2	2393	445.81	2393.26
450.43	2394	458.09	2394.81	459.92	2394.94	460.56	2395	468.86	2395.65
473.21	2396	474.28	2396.09	475.11	2396.16	478.66	2396.48	482	2396.72
483.26	2396.82	485.93	2396.99	486.28	2397	486.62	2397.03	487.49	2397.11

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	217.33	.027	365.87	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
217.33	365.87	89.82	109.8	114.29	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2385.00	Element			
Vel Head (ft)	1.60	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2383.40	Reach Len. (ft)	89.82	109.80	114.29
Crit W.S. (ft)	2383.40	Flow Area (sq ft)		392.82	6.02
E.G. Slope (ft/ft)	0.007161	Area (sq ft)		392.82	6.02
Q Total (cfs)	4013.00	Flow (cfs)		3997.12	15.88
Top Width (ft)	129.63	Top Width (ft)		120.15	9.49
Vel Total (ft/s)	10.06	Avg. Vel. (ft/s)		10.18	2.64
Max Chl Dpth (ft)	4.13	Hydr. Depth (ft)		3.27	0.63
Conv. Total (cfs)	47421.1	Conv. (cfs)		47233.4	187.7
Length Wtd. (ft)	109.81	Wetted Per. (ft)		121.63	9.57
Min Ch El (ft)	2379.27	Shear (lb/sq ft)		1.44	0.28
Alpha	1.02	Stream Power (lb/ft s)	487.49	0.00	0.00
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)	1.26	78.33	1.46
C & E Loss (ft)	0.01	Cum SA (acres)	2.08	30.55	2.15

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8885

INPUT
Description:
Station Elevation Data num= 284

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2406.34	18.49	2406	22.59	2405.93	82.35	2405	86.87	2404.93
87.46	2404.92	88.32	2404.9	89.89	2404.86	90.26	2404.85	90.9	2404.83
91.99	2404.8	95.01	2404.73	97.23	2404.67	99.13	2404.62	101.79	2404.55
105.92	2404.45	106.61	2404.43	107.35	2404.41	120.86	2404.1	121.1	2404.09
121.25	2404.08	125.15	2404	125.94	2403.99	126.51	2403.99	127.3	2404
127.67	2404	128.7	2404	129.15	2404	129.49	2404	130.38	2403.97
130.39	2403.97	130.41	2403.97	130.91	2403.95	133.01	2403.86	140.86	2403.5
148.33	2403	148.73	2402.56	149.2	2402	149.72	2401.37	150.07	2401
150.63	2400.31	150.93	2400	151.23	2399.64	151.75	2399	152.37	2398.25
152.59	2398	152.78	2397.78	153.3	2397	153.74	2396.51	154.18	2396
154.61	2395.48	155.03	2395	155.58	2394.33	155.86	2394	156.43	2393.89
156.74	2393.82	156.97	2393.86	157.6	2394	158.47	2394.95	158.53	2395
159.28	2395.9	159.36	2396	160.35	2396.91	160.46	2397	161.02	2397.31
161.57	2397.61	162.39	2398	162.93	2398.26	163.61	2398.61	164.33	2398.94
164.45	2399	166.41	2399.99	166.43	2400	167.98	2400.76	168.45	2401
169.57	2401.58	170.32	2401.96	170.4	2402	170.46	2402.04	172.09	2403
173.47	2403.23	174.46	2403.41	177.4	2403.68	178.08	2403.77	180.43	2403.99
180.55	2404	183.19	2404.01	183.37	2404.01	187.92	2404.05	190.7	2404.05
193.16	2404.05	197.76	2404.06	201.74	2404.05	203.24	2404.05	206.21	2404.03
208.65	2404	209.31	2403.08	209.36	2403	209.98	2402.05	210.02	2402
210.32	2401.6	210.68	2401	211.25	2400.13	211.32	2400	211.39	2399.91
211.52	2399.67	211.88	2399	212.28	2398.4	212.54	2398	212.94	2397.38
213.13	2397	213.22	2396.85	213.65	2396	213.88	2395.62	214.26	2395
214.5	2394.6	214.87	2394	215.11	2393.59	215.47	2393	215.81	2392.45
216.05	2392	216.28	2391.62	216.63	2391	216.9	2390.56	217.26	2390
217.53	2389.56	217.88	2389	218.52	2388.44	219.03	2388	220.05	2387.33
220.41	2387	221.98	2386.08	222.09	2386	222.25	2385.86	223.46	2385
223.8	2384.7	225.37	2384	229.2	2383.05	229.41	2383	229.75	2382.92
229.9	2382.89	230.31	2382.78	233.15	2382	236.34	2381.2	237.24	2381
238.4	2380.79	240.16	2380.48	241.49	2380.26	243.75	2380	244.71	2379.79
248.54	2379	251.56	2378.36	253.23	2378	256.36	2377.96	257.73	2377.95
259.52	2377.97	260.18	2377.97	262.1	2377.99	262.34	2377.99	263.04	2378
264.27	2378	264.8	2378	265.84	2378.01	267.57	2378.01	267.92	2378.01
268.3	2378.02	268.55	2378.02	277.49	2378.04	285.13	2378.06	294.16	2378.03
299.22	2378.01	301.42	2378	302.08	2378	302.38	2377.99	319	2377.9
324.46	2377.92	336.51	2378	340.37	2378.55	345.78	2378.73	345.8	2378.74
352.47	2379	352.72	2379.87	352.75	2380	352.98	2380.99	352.98	2381
352.98	2381.01	353.04	2381.22	353.31	2382	353.35	2382.09	353.68	2383
353.85	2383.26	354.47	2384	354.94	2384.45	355.11	2385	355.35	2385.43
355.96	2385.75	356.22	2385.86	356.56	2385.95	356.85	2386	357.34	2386.14
360.39	2387	361.4	2387.3	362.82	2387.69	363.54	2387.95	363.57	2387.96
363.66	2388	363.71	2388.02	364.15	2388.21	366.01	2389	367.09	2389.45
368.38	2390	369.78	2390.62	370.33	2391	371.05	2391.59	371.56	2392
371.79	2392.17	371.89	2392.29	372.65	2393	373.61	2393.8	373.86	2394
375	2394.93	375.1	2395	376.06	2395.92	376.15	2396	376.46	2396.39
377.13	2397	377.68	2397.54	378.13	2398	379.06	2398.86	379.43	2399
379.69	2399.05	379.87	2399.14	380.4	2399.34	381.18	2399.21	381.27	2399.23
381.4	2399.2	381.94	2399	382.64	2398.74	384.62	2398	385.21	2397.8
387.32	2397	387.91	2396.8	388.06	2396.74	389.57	2396	389.99	2395.8
390.07	2395.76	390.22	2395.74	390.69	2395.6	391.01	2395.58	391.78	2395.46

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  392.67 2395.32  393.86    2395  394.64 2394.82  395.13  2394.7  397.07 2394.34
  398.44 2394.03  401.05 2394.05  403.99 2394.21  404.23 2394.21  406.34 2394.38
  408.39 2394.57  411.97    2395  417.75 2395.67  420.59    2396   429.5    2397
  429.51    2397  429.54    2397  437.54 2397.87  438.97    2398  446.37 2398.63
  450.37    2399  450.94 2399.06  461.38    2400  462.36 2400.09  463.08 2400.14
  463.67 2400.19  465.03 2400.31  466.23 2400.42  467.14 2400.52  472.27    2401
  475.55 2401.27  482.79 2401.64  486.75 2401.87  488.88 2401.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  211.52    .027  364.15    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        211.52  364.15           125.76    83.4   58.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2383.32    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.66    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2381.66    Reach Len. (ft)          125.76      83.40      58.85
  Crit W.S. (ft)           2381.66    Flow Area (sq ft)                   388.32
  E.G. Slope (ft/ft)      0.007459    Area (sq ft)                        388.32
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            118.67    Top Width (ft)                      118.67
  Vel Total (ft/s)           10.33    Avg. Vel. (ft/s)                    10.33
  Max Chl Dpth (ft)           3.76    Hydr. Depth (ft)                     3.27
  Conv. Total (cfs)        46465.2    Conv. (cfs)                        46465.2
  Length Wtd. (ft)           83.40    Wetted Per. (ft)                    121.12
  Min Ch El (ft)           2377.90    Shear (lb/sq ft)                      1.49
  Alpha                       1.00    Stream Power (lb/ft s)    488.88      0.00       0.00
  Frctn Loss (ft)             0.63    Cum Volume (acre-ft)        1.26      77.34       1.45
  C & E Loss (ft)             0.06    Cum SA (acres)              2.08      30.25       2.14


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 8802

INPUT
Description:
Station Elevation Data    num=     202
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2402.85    19.8 2402.88   20.53 2402.88   21.39 2402.88   30.45 2402.87
   32.58 2402.85   36.96 2402.86   40.83 2402.83   46.21 2402.77   52.44 2402.68
    57.5 2402.67   59.97 2402.66   63.03 2402.64   75.56  2402.5   79.79 2402.44
    84.7 2402.37  102.48 2402.07  103.16 2402.06  103.53 2402.05  106.64 2402.01
  107.72    2402  108.19    2402  109.32    2402  109.45    2402  114.16 2401.96
  123.72 2401.94  124.12 2401.94  145.58 2401.84  146.31 2401.84  156.46 2401.68
  159.16 2401.77  160.93 2401.87  164.65    2402  167.61    2402  173.22    2402
  176.14 2401.08  176.24    2401  176.54 2400.51   176.8    2400  177.09  2399.4
  177.26    2399  177.43 2398.59  177.68    2398  178.08 2397.04  178.09    2397
  178.15 2396.88  178.44 2396.14  178.49    2396  178.79 2395.26  178.89    2395
  179.15 2394.35  179.29    2394  179.52 2393.43  179.69    2393  179.89 2392.48
  180.09    2392  180.41 2391.56  180.69    2391  181.22 2390.51  181.65 2390.11
  181.75    2390  181.87  2389.9  182.85    2389  183.13 2388.77  184.05    2388
  184.89 2387.26  185.17    2387  186.13 2386.25  186.42    2386  186.99 2385.74
  188.73    2385   190.7  2384.2  191.18    2384  193.46 2383.08  193.66    2383
  196.12 2382.01  196.14    2382  196.15    2382  196.16 2381.99  198.54    2381
  199.26 2380.86  204.02    2380  206.18 2379.51  209.03    2379  211.44  2378.3
  212.54    2378  212.65    2378  221.15 2377.68  240.22    2377  241.08 2376.65
  241.38 2376.63  241.72 2376.61  243.68 2376.43  244.85 2376.36  246.14 2376.44
  248.17    2376  249.39    2376  250.76    2376  251.67 2375.99  251.82 2375.99
  251.84 2375.99  252.04 2375.99  252.08 2375.99  255.33 2375.98  256.98 2375.99
   259.8    2376  263.13 2376.57   263.6  2376.6  270.19    2377  280.58 2377.02
  281.87 2377.03  285.93 2377.04  286.54 2377.04  287.06 2377.03  288.55 2377.03
  289.23 2377.03  297.25 2377.18  300.86    2377  304.44  2376.9  306.58 2376.86
  307.87 2376.82  308.49 2376.83  313.15    2377  317.63  2377.4  321.37 2377.43
  324.87 2377.44  329.53 2377.48  335.05 2377.52  337.67 2378.05  349.53 2380.13
  350.23 2380.85  354.82 2381.21  363.42 2384.41  363.68 2384.93  371.03 2387.36
  371.26 2387.43  372.43 2387.82  373.87 2388.57   374.5 2388.97  376.11    2390
  377.19 2390.68  377.69    2391  377.82 2391.08  379.49    2392  380.24 2392.49
  380.87    2393  381.52  2393.7  381.84    2394  382.08 2394.65  382.39    2395
   382.9 2395.63  383.19    2396   383.4 2396.21  384.04    2397  384.58 2397.85
  384.73    2398  384.89 2398.19  385.54    2399  385.74  2399.2  386.37    2400
  386.59 2400.24  387.11    2401  387.31 2401.21  387.96    2402  396.43 2402.03
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  399.93 2402.04  401.87 2402.04  402.89 2402.04  403.47 2402.03  405.23 2402.03
     407 2402.03  409.59 2402.03  416.45 2402.01  417.05 2402.01  417.73 2402.01
  417.87 2402.01  420.25    2402  420.74 2402.02   421.3    2402   422.3 2401.93
  422.34 2401.93  424.13 2401.87  424.21 2401.87   426.2 2401.84  426.33 2401.85
  426.51 2401.86  428.72 2401.87   431.1 2401.94  432.29    2402  433.65 2402.06
  433.73 2402.06  433.82 2402.07   435.4 2402.16  446.57 2402.81  448.97 2402.92
  451.32    2403  451.78 2403.02  454.09 2403.08  456.36 2403.12  469.51 2403.35
  472.52 2403.39  474.28 2403.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  181.22    .027  371.26    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        181.22  371.26           162.96  137.24  119.47             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2381.63    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.44    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2380.19    Reach Len. (ft)          162.96     137.24     119.47
  Crit W.S. (ft)           2380.19    Flow Area (sq ft)                   416.31
  E.G. Slope (ft/ft)      0.007681    Area (sq ft)                        416.31
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            146.60    Top Width (ft)                      146.60
  Vel Total (ft/s)            9.64    Avg. Vel. (ft/s)                      9.64
  Max Chl Dpth (ft)           4.21    Hydr. Depth (ft)                      2.84
  Conv. Total (cfs)        45788.0    Conv. (cfs)                        45788.0
  Length Wtd. (ft)          137.24    Wetted Per. (ft)                    147.35
  Min Ch El (ft)           2375.98    Shear (lb/sq ft)                      1.35
  Alpha                       1.00    Stream Power (lb/ft s)    474.28      0.00       0.00
  Frctn Loss (ft)             1.07    Cum Volume (acre-ft)        1.26      76.57       1.45
  C & E Loss (ft)             0.03    Cum SA (acres)              2.08      30.00       2.14


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 8664

INPUT
Description:
Station Elevation Data    num=     246
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2398.56    7.95 2398.54   14.77 2398.55   22.27 2398.59   27.64 2398.62
   32.96 2398.67   38.53 2398.73   51.06 2398.88   54.63  2398.9   56.59 2398.92
   58.28 2398.94   59.78 2398.95   61.19 2398.96   61.78 2398.96   63.14 2398.96
   63.38 2398.97   63.61 2398.97   65.11 2398.96   65.34 2398.96   65.57 2398.96
   65.78 2398.96      66 2398.96   92.01 2398.91   98.64 2398.83  104.47  2398.8
  131.59  2398.6  132.98 2398.58  133.97 2398.58  138.38 2398.49  146.17 2398.25
  151.17    2398  151.54 2397.35  151.71    2397  151.83 2396.77   152.2    2396
  152.41 2395.66  152.74    2395  153.19 2394.22  153.29    2394  153.32 2393.96
  153.71    2393  154.13 2392.22  154.26    2392  154.44 2391.75  154.85    2391
  155.05 2390.66  155.42    2390  155.66 2389.61     156    2389  156.28 2388.55
  156.59    2388  156.93 2387.48   157.2    2387  157.64 2386.13  157.71    2386
  158.15 2385.25  158.32    2385  158.43 2384.85  158.63 2384.57  159.02    2384
   159.6 2383.22  159.76    2383  160.03 2382.65  160.55 2382.03  160.58    2382
  161.34 2381.17   161.5    2381  162.14 2380.19  162.37    2380  162.63 2379.73
  163.25    2379  163.83 2378.34  164.38    2378  164.71 2377.56  165.29    2377
  165.81 2376.45  166.34    2376  166.81 2375.49  167.32    2375  167.84 2374.43
  168.35    2374  170.38    2374  172.41    2374  172.97    2374  173.55    2374
  175.11    2374  176.15    2374  182.31    2374  188.43 2374.03  189.61 2374.03
  190.95 2374.03  192.36 2374.02  194.39 2374.02  197.64    2374  198.92    2374
  200.07    2374  200.69    2374  201.39    2374  201.86    2374  202.52    2374
  202.55    2374  202.66    2374  203.14 2374.01  203.18 2374.01  203.94 2374.02
   204.1 2374.02  206.52 2374.18   206.7 2374.18  206.93 2374.18  207.16 2374.18
  215.81  2374.4  221.11 2374.49  221.67 2374.49  227.82 2374.37  238.11 2374.15
  238.42 2374.14  239.56 2374.19  242.91 2374.42  243.18 2374.49  243.37 2374.48
  243.66 2374.54  244.07 2374.55  244.32 2374.58  244.79  2374.6  245.19 2374.63
  245.45 2374.62  245.93 2374.65  246.34 2374.67  247.03 2374.61   247.4 2374.58
  253.19 2374.12  254.79    2374  255.15    2374  255.89    2374  256.89    2374
  257.29    2374   257.4    2374  257.86 2374.04  268.16    2375  280.23  2375.1
  281.84 2375.13  296.12 2375.26  296.25 2375.26  296.44 2375.28  296.64 2375.29
  299.38  2375.6  299.92 2375.57  300.44 2375.64  301.04 2375.71  301.57 2375.73
  302.36 2375.83  303.74 2375.98  303.98    2376  305.13 2376.06  306.68 2376.12
   312.9 2376.38  316.49 2376.57  324.18    2377  324.56    2377  325.74 2377.57
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  326.59    2378  328.07 2378.73  328.59 2378.98  328.63    2379  328.67 2379.02
  328.88 2379.13  330.73    2380  332.53 2380.87  333.12    2381  335.64 2381.47
  338.22    2382  338.24    2382  339.08 2382.14  339.81 2382.23  340.03 2382.25
  342.42 2382.39     345 2382.55  345.86 2382.61  346.42 2382.66  346.81 2382.69
  347.24 2382.74  349.23    2383  349.66 2383.17  349.83 2383.22  350.25 2383.41
   350.4 2383.47  350.99    2384  351.45 2384.42  351.62 2384.61  352.08    2385
  352.23 2385.11  353.14    2386  353.85 2386.61  354.08 2386.81  354.29    2387
  354.72 2387.42  355.53    2388  355.94  2388.4   356.4    2389   356.9 2389.44
  357.32    2390  357.73 2390.61  358.24    2391  358.63 2391.54  359.05    2392
  359.45  2392.7   359.7    2393  359.89  2393.3  360.37    2394  360.63 2394.36
  361.07    2395  361.47 2395.67  361.69    2396  362.16 2396.59  362.44    2397
  362.69 2397.36   363.1    2398  363.77 2398.86  363.86    2399  365.16 2399.43
  366.16    2400  366.29    2400   366.4    2400  374.63 2400.47  378.53 2400.69
  381.05 2400.81  384.28    2401  388.73  2401.2  391.04 2401.31  399.01    2402
  403.65 2402.45  408.76    2403   413.9 2403.49  417.95    2404  423.15 2404.36
  424.72 2404.42  433.74 2404.77  435.18 2404.84  436.01 2404.88  436.57 2404.89
  437.18 2404.91  437.66  2404.9  438.29 2404.88  439.06 2404.92  439.71 2404.93
  445.76 2404.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  158.63    .027  354.08    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        158.63  354.08           214.51  219.28  210.76             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2378.82    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.36    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2377.46    Reach Len. (ft)          214.51     219.28     210.76
  Crit W.S. (ft)           2377.46    Flow Area (sq ft)                   429.23
  E.G. Slope (ft/ft)      0.007898    Area (sq ft)                        429.23
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            160.70    Top Width (ft)                      160.70
  Vel Total (ft/s)            9.35    Avg. Vel. (ft/s)                      9.35
  Max Chl Dpth (ft)           3.46    Hydr. Depth (ft)                      2.67
  Conv. Total (cfs)        45155.0    Conv. (cfs)                        45155.0
  Length Wtd. (ft)          219.28    Wetted Per. (ft)                    162.41
  Min Ch El (ft)           2374.00    Shear (lb/sq ft)                      1.30
  Alpha                       1.00    Stream Power (lb/ft s)    445.76       0.00       0.00
  Frctn Loss (ft)             1.80    Cum Volume (acre-ft)        1.26      75.24       1.45
  C & E Loss (ft)             0.10    Cum SA (acres)              2.08      29.51       2.14


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 8445

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2394.46    5.79 2394.49    10.3 2394.53   18.19  2394.6   24.05 2394.67
   31.73 2394.73   49.87    2395   64.58 2395.21   67.21 2395.24   67.49 2395.24
    71.7 2395.28   72.01 2395.28   72.28 2395.28    88.7 2395.39   89.93 2395.38
   91.11 2395.38   96.84 2395.38  102.57 2395.38  113.25 2395.22  127.67    2395
  128.78    2395  128.79    2395  128.81    2395  128.83    2395  128.84    2395
  128.88 2394.85   129.1    2394  129.26 2393.24  129.31    2393  129.45 2392.29
  129.51    2392  129.58 2391.65  129.71    2391  129.79 2390.57  129.91    2390
  130.01 2389.48  130.11    2389  130.23 2388.39  130.31    2388  130.45 2387.28
  130.51    2387  130.68 2386.15  130.71    2386  130.91 2385.01  130.91    2385
  130.92 2384.96  131.13    2384  131.14 2383.92  131.28  2383.3  131.34    2383
  131.38 2382.81  131.56    2382  131.63 2381.69  131.78    2381  131.88 2380.53
     132    2380  132.14 2379.34  132.21    2379  132.34 2378.46  132.43    2378
  132.48 2377.75  132.56 2377.21  132.58    2377  132.58 2376.98  132.71    2376
  132.83 2375.06  132.84    2375  132.96 2374.08  132.97    2374  132.98 2373.92
   133.1    2373  133.11  2372.9  133.23    2372  151.14 2371.51   169.3    2371
  180.78 2370.98  183.18 2370.97  189.74 2370.95  192.32 2370.96  211.42 2370.85
  213.16 2370.86  214.29 2370.85  214.73 2370.85   216.5 2370.85   216.8 2370.85
  218.47 2370.84  220.41 2370.83  220.68 2370.82  223.21 2370.79  225.99 2370.76
  229.89  2370.7  233.47 2370.64  265.13    2370  273.77 2369.69  275.97 2369.58
  278.78 2369.43  281.31 2369.29   283.1 2369.21  284.91 2369.13  286.13 2369.11
  287.22 2369.12  287.71 2369.15  288.66 2369.29  292.19    2370  297.39 2370.08
  300.27 2370.09  304.07 2370.04  306.76    2370  312.21 2369.98  315.36 2369.98
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  323.59    2370  323.93    2370  324.07 2370.02  326.17  2370.3  330.91 2370.93
  331.26 2370.98  331.44    2371  362.78 2371.65  363.98 2371.67  367.47 2371.73
  371.04 2371.82  378.94    2372  380.34 2372.68  381.42    2373  382.83 2373.79
  383.22    2374  383.57 2374.21  385.08    2375  386.31 2375.75  386.79    2376
  387.06 2376.16  388.41    2377  389.16 2377.37  389.93 2377.76   390.3    2378
  391.65 2378.76  392.08    2379  393.33 2379.86  393.56    2380  394.02 2380.29
  394.62    2381  395.15 2381.81  395.31    2382  395.74 2382.79  395.94    2383
  396.51 2383.82   396.6    2384  397.46 2384.93   397.5    2385  397.54 2385.08
     398 2385.55  398.34    2386   398.6 2386.34  399.05    2387  399.86 2387.94
   399.9    2388     400 2388.12  400.66    2389  401.08 2389.55  401.42    2390
  401.99 2390.76  402.15    2391  402.75 2391.93  402.78    2392  403.34 2392.88
   403.4    2393  403.45 2393.11     404    2394  404.93 2394.11  408.15 2394.21
  410.77 2394.27  413.86 2394.24  425.59    2394  448.68 2393.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  131.28    .027  389.16    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        131.28  389.16           181.29  163.06  161.38             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2373.78    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.01    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2372.77    Reach Len. (ft)          181.29     163.06     161.38
  Crit W.S. (ft)           2372.77    Flow Area (sq ft)                   497.15
  E.G. Slope (ft/ft)      0.008537    Area (sq ft)                        497.15
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            247.52    Top Width (ft)                      247.52
  Vel Total (ft/s)            8.07    Avg. Vel. (ft/s)                      8.07
  Max Chl Dpth (ft)           3.66    Hydr. Depth (ft)                      2.01
  Conv. Total (cfs)        43433.5    Conv. (cfs)                        43433.5
  Length Wtd. (ft)          163.06    Wetted Per. (ft)                    248.56
  Min Ch El (ft)           2369.11    Shear (lb/sq ft)                      1.07
  Alpha                       1.00    Stream Power (lb/ft s)    448.68      0.00       0.00
  Frctn Loss (ft)             1.36    Cum Volume (acre-ft)        1.26     72.91       1.45
  C & E Loss (ft)             0.02    Cum SA (acres)              2.08     28.49       2.14


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 8282

INPUT
Description:
Station Elevation Data    num=     210
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2390.75      .8 2390.75     8.4 2390.79   17.09 2390.81   38.81 2390.96
   38.93 2390.96   39.05 2390.96   39.53 2390.96   41.71 2390.97   41.93 2390.97
   42.19 2390.97   80.51 2390.97   80.75 2390.97   80.98 2390.97   88.48 2390.99
   91.11    2391   95.22 2391.02  101.31 2391.08  102.78  2391.1   120.1 2391.31
  122.06 2391.31  123.99 2391.31  128.48 2391.35  132.52 2391.37  136.69 2391.38
  141.39 2391.37  146.25 2391.36  156.89 2391.31  160.92 2391.28   165.3 2391.25
  165.53 2391.24  166.04 2391.24  169.74  2391.3  176.73 2391.46  177.38 2391.46
  179.73 2391.53  186.34 2391.56  188.13 2391.44  191.26 2391.22   191.9 2391.36
  192.01 2391.39  192.05  2391.4  192.12  2391.4  192.71    2391  193.17 2390.54
   193.4 2390.32  193.72    2390  194.46 2389.27  194.73    2389  195.52 2388.22
  195.74    2388  196.59 2387.16  196.75    2387  197.66  2386.1  197.76    2386
  198.73 2385.05  198.78    2385  198.81 2384.95  199.77    2384  199.81 2383.95
  200.77    2383  201.75 2382.03  201.77    2382  201.81 2381.96  202.78    2381
  203.76 2380.04  203.79    2380  204.87    2379  205.43 2378.34   205.8    2378
  206.47 2377.42  206.85    2377  207.67  2376.1  207.73    2376  208.15 2375.21
  208.23    2375  208.28 2374.92  208.38 2374.58  208.63    2374  208.75 2373.78
  208.98    2373  209.26 2372.48  209.46    2372  209.79 2371.41  209.96    2371
  210.34 2370.32  210.48    2370  210.93 2369.23  211.03    2369  216.53 2368.83
  218.07 2368.78  223.82  2368.6  226.98  2368.5  231.09 2368.37  235.96 2368.23
  237.24 2368.19  238.08 2368.17  238.89 2368.14  245.01    2368  246.71    2368
  247.32    2368  247.55    2368  248.84 2367.99  250.97 2367.99  252.14 2367.99
   254.3 2367.99  255.17 2367.98  255.78 2367.98  256.76 2367.98  257.02 2367.98
  258.47 2367.98  260.96 2367.93  274.58 2367.68  277.12 2367.67   284.6  2367.7
  288.22 2367.72  293.28 2367.78  303.87    2368  304.61 2368.02  305.08 2368.02
  305.71 2368.01  307.79 2368.01  309.07    2368  311.71 2367.81  326.87    2367
  327.29    2367  328.18    2367  329.73    2367  332.62    2367  337.88    2367
  344.32    2367  345.31    2367  346.76    2367  347.26    2367  349.14    2367
```

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  351.91    2367     354    2367  356.64    2367  362.66 2366.99  363.42 2366.99
  363.79 2366.99  369.43    2367  369.54    2367  370.32    2367  373.13    2367
  379.84 2367.33  385.85  2367.6  386.52 2367.63  388.89    2368  389.28 2368.64
  389.44    2369  389.59  2369.3  390.01    2370  390.43 2370.58  390.64    2371
  390.81 2371.34  391.26    2372  391.31 2372.11  391.45 2372.38  391.82    2373
  391.94 2373.81  392.03    2374  392.08 2374.55  392.23    2375  392.32 2375.47
  392.49    2376  392.65 2376.96  392.65    2377  392.67 2377.13   392.9    2378
  393.06 2378.75  393.16    2379  393.22 2379.19   393.4    2380  393.44 2380.29
  393.65    2381  393.75 2381.69  393.85    2382  393.93 2382.27  394.15    2383
  394.27 2383.39  394.39    2384  394.52 2384.41  394.64    2385  394.74 2385.66
  394.85    2386  394.97 2386.37  395.18    2387  395.34 2387.52  395.43    2388
  395.53 2388.71  395.62    2389   395.7 2389.39  395.92    2390  395.94 2390.37
  396.13    2391  396.33 2391.67  396.39    2392  400.22    2392  405.21 2392.01
  407.75    2392  413.01    2392  416.84 2391.91  422.96 2391.77  427.53 2391.68
  432.11  2391.6  434.67 2391.58  437.57 2391.54  450.58 2391.37   469.3 2391.09

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  193.17    .027  391.31    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        193.17  391.31           139.91  141.41  148.28             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2371.43    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.26    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2370.17    Reach Len. (ft)          139.91     141.41     148.28
  Crit W.S. (ft)           2370.17    Flow Area (sq ft)                   445.66
  E.G. Slope (ft/ft)      0.008098    Area (sq ft)                        445.66
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            179.72    Top Width (ft)                      179.72
  Vel Total (ft/s)            9.00    Avg. Vel. (ft/s)                      9.00
  Max Chl Dpth (ft)           3.18    Hydr. Depth (ft)                      2.48
  Conv. Total (cfs)        44593.3    Conv. (cfs)                        44593.3
  Length Wtd. (ft)          141.47    Wetted Per. (ft)                    181.78
  Min Ch El (ft)           2366.99    Shear (lb/sq ft)                      1.24
  Alpha                       1.00    Stream Power (lb/ft s)    469.30      0.00       0.00
  Frctn Loss (ft)             1.15    Cum Volume (acre-ft)        1.26      71.14      1.45
  C & E Loss (ft)             0.05    Cum SA (acres)              2.08      27.69      2.14


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 8141

INPUT
Description:
Station Elevation Data    num=     225
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2388.94    4.06  2388.9   34.41 2388.65    52.4 2388.43   55.83  2388.4
   61.85 2388.33   76.36 2388.24   80.44 2388.18   85.28  2388.1   90.22    2388
   96.25 2387.98   101.1 2387.97  109.38 2387.99  111.41    2388  112.64 2388.06
  113.27 2388.11   115.6 2388.27  125.55 2388.92  126.47    2389  127.04    2389
   130.4    2389  132.33    2389  133.03    2389  134.01    2389  138.65 2389.01
  142.47 2389.01  143.05 2389.01  143.74 2389.01  161.92    2389  161.93    2389
  161.94    2389  169.64  2388.2  171.31    2388  171.44 2387.92  172.51 2387.22
  172.55 2387.19  172.88    2387   173.3 2386.71  174.38    2386  174.83  2385.7
  175.14 2385.45  175.65    2385  176.71 2384.04  176.75    2384  176.77 2383.98
  177.78    2383  178.28  2382.6   178.9    2382  179.14  2381.8     180    2381
   180.7 2380.25  180.88    2380  181.64 2379.17  181.77    2379  182.51 2378.09
  182.58    2378  183.32  2377.1  183.41    2377  183.53 2376.87  184.35    2376
  184.74 2375.58  185.23 2375.25  185.43 2375.12   185.5 2375.09  185.74    2375
  186.53 2374.71  186.86 2374.56  187.93    2374  187.96 2373.99  188.64 2373.56
  189.56    2373  189.62 2372.97  189.64 2372.96  190.38 2372.51  191.31    2372
  191.77 2371.82   192.8 2371.26  192.99 2371.15  193.06  2371.1  193.12 2371.05
  193.14 2371.04  193.24    2371  195.87 2370.02  195.93    2370  196.31 2369.87
  198.64    2369   199.7 2368.85  199.97 2368.83  200.54  2368.8  203.95 2368.42
  216.43 2368.04  217.05    2368  217.15    2368  217.27    2368   219.1 2367.94
  220.48 2367.93  223.41 2367.83  227.81 2367.72  250.57 2367.12  252.65 2367.06
  253.37 2367.04  254.97    2367  269.09 2366.27  271.37 2366.17  272.46 2366.12
  275.46    2366  275.49    2366  275.72 2365.99  276.03 2365.98  289.48 2365.45
  289.83 2365.44  289.99 2365.43  295.94 2365.24  296.66 2365.21  297.22 2365.19
  297.71 2365.17  298.23 2365.15  298.71 2365.14  302.59    2365  306.03 2364.05
  306.15    2364   306.4    2364  306.46    2364  306.52    2364  307.12    2364
```

310.3	2364	311.08	2364	312.61	2363.99	313.58	2363.99	315.26	2363.99
316.65	2363.99	318.49	2363.99	321.26	2364	323.4	2364	324.04	2364
324.74	2364	328.21	2364.23	330.24	2364.35	331.81	2364.45	341.3	2364.84
342.19	2364.88	342.98	2364.91	343.35	2364.94	344.2	2365	344.23	2365
344.27	2365	344.4	2365	344.83	2365	345.01	2365	345.37	2365.02
346.12	2365.04	382.77	2365.69	398.85	2365.12	400.41	2365.04	401.49	2365
402.64	2364.87	407.62	2364.47	411.96	2364.11	412.17	2364.08	412.27	2364.07
413.45	2364	421.65	2363.99	424.66	2363.99	427.07	2364	427.86	2364
439.49	2364.63	445.82	2365	448.65	2365.17	453.4	2365.49	461.23	2366
463.28	2366.98	463.32	2367	463.46	2367.05	463.47	2367.06	465.05	2368
465.1	2368.11	465.13	2368.22	465.24	2368.63	465.27	2369	465.27	2369.1
465.3	2370	465.31	2370.62	465.42	2374	465.43	2374.52	465.45	2375
465.46	2375.57	465.47	2376	465.48	2376.62	465.49	2377	465.51	2377.66
465.52	2378	465.53	2378.69	465.54	2379	465.55	2379.73	465.56	2380
465.57	2380.76	465.58	2381	465.59	2381.79	465.6	2382	465.61	2382.81
465.62	2383	465.63	2383.84	465.63	2384	465.65	2384.86	465.65	2385
465.67	2385.88	465.67	2386	465.68	2386.93	465.68	2387	465.71	2387.97
465.71	2388	465.84	2388	467.09	2388.01	468.03	2388.01	469.18	2388
469.94	2388	471.11	2388	474.92	2387.99	477.45	2387.99	480.04	2387.99
482.14	2388	495.05	2388.23	497.34	2388.27	499.83	2388.31	518.77	2388.61

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	188.64	.027	453.4	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
188.64	453.4	70.64	86.82	138.25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2368.47	Element			
Vel Head (ft)	1.08	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2367.38	Reach Len. (ft)	70.64	86.82	138.25
Crit W.S. (ft)	2367.38	Flow Area (sq ft)		469.72	14.82
E.G. Slope (ft/ft)	0.008115	Area (sq ft)		469.72	14.82
Q Total (cfs)	4013.00	Flow (cfs)		3943.70	69.30
Top Width (ft)	223.44	Top Width (ft)		212.83	10.61
Vel Total (ft/s)	8.28	Avg. Vel. (ft/s)		8.40	4.68
Max Chl Dpth (ft)	3.39	Hydr. Depth (ft)		2.21	1.40
Conv. Total (cfs)	44546.5	Conv. (cfs)		43777.2	769.3
Length Wtd. (ft)	87.29	Wetted Per. (ft)		213.15	10.96
Min Ch El (ft)	2363.99	Shear (lb/sq ft)		1.12	0.69
Alpha	1.02	Stream Power (lb/ft s)	518.77	0.00	0.00
Frctn Loss (ft)	0.73	Cum Volume (acre-ft)	1.26	69.66	1.43
C & E Loss (ft)	0.02	Cum SA (acres)	2.08	27.05	2.12

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8054

INPUT
Description:
Station Elevation Data num= 310

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2388.09	31.39	2388.2	53.74	2388.07	54.03	2388.07	54.45	2388.05
54.54	2388.05	56.14	2388.05	59.47	2388	59.54	2388	60.58	2387.99
61.32	2387.99	74.84	2387.96	82.5	2387.95	84.44	2387.95	104.6	2387.29
106.56	2387.14	107.51	2387.13	108.74	2387	109.15	2387	109.65	2387
110.14	2386.99	110.65	2386.99	113.33	2386.98	115.89	2386.96	116.92	2386.96
117.41	2386.95	118.39	2386.95	119.35	2386.95	119.89	2386.94	120.01	2386.95
123.47	2386.93	123.99	2386.93	124.34	2386.93	125.82	2386.92	127.03	2386.93
133.45	2386.49	133.8	2386.45	137.57	2386.47	137.97	2386.44	138.64	2386.49
139.54	2386.58	139.82	2386.62	140.21	2386.61	140.69	2386.61	141.11	2386.63
142.53	2387	144.54	2387.85	144.92	2388	146.8	2388.77	147.38	2389
147.42	2389	149.08	2389	149.45	2389	150.19	2389	150.27	2389
151.32	2389	151.5	2389	155.11	2389	160.4	2389	162.8	2389
169.16	2389	172.23	2389	172.3	2389	172.55	2389	172.78	2389
172.87	2389	173.04	2389	173.23	2389	173.82	2388.86	178.58	2388
179.78	2387.31	180.43	2387	181.95	2386.05	182.05	2386	182.33	2385.83
183.79	2385	185.1	2384.24	185.52	2384	185.73	2383.88	187.39	2383
187.7	2382.83	188.88	2382	189.33	2381.63	190.24	2381	190.97	2380.33
191.4	2380	192.56	2379	192.57	2378.99	193.85	2378	194.65	2377.32
195.07	2377	195.96	2376.33	196.37	2376	196.59	2375.83	197.69	2375
197.9	2374.76	198.02	2374.66	198.78	2374	199	2373.75	199.8	2373

```
  200.21 2372.62  200.74 2372.15  200.94    2372   201.7 2371.35   202.2    2371
  202.75 2370.54  203.51    2370  204.16 2369.44  204.75    2369  205.59 2368.39
  206.23    2368  206.54 2367.81  206.72 2367.73  207.21 2367.49  208.58    2367
  209.17 2366.79  209.71 2366.57  211.03    2366  211.51 2365.81  213.29    2365
  214.83 2364.42  215.83    2364  216.31 2363.81  219.41    2363  220.97 2362.69
  221.18 2362.66  221.49 2362.62  221.95  2362.6  222.49 2362.53  222.98 2362.55
  223.53  2362.6  224.11 2362.63  224.52 2362.73  224.93 2362.79  225.83    2363
  228.52 2363.82  229.02    2364   230.6 2364.48  231.92 2364.96  232.05    2365
  232.14    2365  232.16    2365  232.18    2365   232.3    2365  232.36    2365
  232.59 2364.94  232.96 2364.85     235 2364.31  236.06 2364.01  236.08    2364
  237.35 2363.61   238.9 2363.06  238.98 2363.03  239.06    2363  239.08    2363
  239.11    2363  241.27    2363  241.82    2363   243.5    2363  245.58 2363.12
  246.91 2363.18  249.42 2363.05  250.23 2363.02  250.62    2363  252.66 2362.99
  272.63 2362.74  287.89 2362.69  296.47  2362.7  303.86 2362.87  307.13 2362.97
  308.96 2362.97  312.67 2362.99  313.21    2363  313.56    2363  313.73    2363
  313.83 2363.03   315.8 2363.35  317.25 2363.44  317.35 2363.44  317.45 2363.45
  317.52 2363.46  317.57 2363.47  320.57    2364  322.17 2364.01  323.94 2364.02
   325.2 2364.03  326.04 2364.02  334.47    2364  339.59 2363.95  339.96 2363.95
  340.92 2363.94  341.76 2363.94  342.26 2363.95   344.2 2363.95  346.26 2363.96
  350.66    2364  353.32 2364.14  353.51 2364.14  353.73 2364.13  359.24 2364.06
  361.95 2364.07  364.86 2364.07  365.78 2364.06  369.84    2364  371.19 2363.75
  371.68 2363.64   374.7    2363  376.89 2362.98  380.36 2362.96  385.63    2363
  385.88    2363  386.07    2363  386.29    2363  388.87 2363.01  391.09    2363
  391.77    2363     392 2362.92  392.79 2362.57     395    2362  396.44 2361.99
  398.99 2361.98  402.31 2361.99  402.63    2362  403.84    2362  404.11    2362
  404.57    2362  409.21 2362.06  415.27 2362.12  424.26 2362.17  426.29 2362.19
  429.15 2362.24  429.86 2362.25  432.39 2362.27  436.32 2362.38  447.28 2362.76
  449.69 2362.85  453.13    2363   453.8 2363.27  457.53 2363.94  457.84    2364
  457.95 2364.07  457.99 2364.08  458.27 2364.19  459.79 2364.87  460.06 2364.99
  460.08    2365  460.19 2365.06  462.11    2366  462.67 2366.33  463.58    2367
  464.38 2367.65  464.84    2368  466.01 2368.99  466.02    2369  466.03 2369.01
  466.18 2369.14  467.11 2369.92  467.21    2370  468.14  2370.8  468.37    2371
   469.1 2371.63  469.52    2372  469.95 2372.38  470.59 2372.94  470.64 2372.98
  470.67    2373  471.36 2373.52  472.01    2374  472.35 2374.27  472.66 2374.71
  472.81 2374.89  472.85    2375  472.94 2375.16  473.18    2376  473.29 2376.48
  473.43    2377  473.53 2377.68  473.65 2377.87  473.67    2378  473.74 2378.23
  473.94    2379  474.01 2379.32  474.19    2380  474.39 2380.72  474.46    2381
  474.65 2381.73  474.71    2382  474.89 2382.95  474.89    2383  474.99    2384
  475.41    2384  475.99    2384  485.33 2384.01  485.77 2384.01  486.48 2384.01
  494.22 2384.02  505.72 2384.01  512.61    2384  514.75 2383.06  514.88    2383
  515.01 2382.95  516.98 2382.04  517.07    2382  517.08    2382  519.19    2381
  521.17 2380.07   521.3    2380  521.44 2379.93   523.2    2379  525.21 2378.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  198.02    .027  457.53    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        198.02  457.53           176.87  194.57  192.45             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2366.13    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               1.03    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2365.10    Reach Len. (ft)           176.87     194.57    192.45
  Crit W.S. (ft)           2365.10    Flow Area (sq ft)                    492.75      1.71
  E.G. Slope (ft/ft)      0.008653    Area (sq ft)                         492.75      1.71
  Q Total (cfs)            4013.00    Flow (cfs)                          4008.34      4.66
  Top Width (ft)            247.22    Top Width (ft)                       244.47      2.75
  Vel Total (ft/s)            8.12    Avg. Vel. (ft/s)                       8.13      2.72
  Max Chl Dpth (ft)           3.12    Hydr. Depth (ft)                       2.02      0.62
  Conv. Total (cfs)        43139.5    Conv. (cfs)                         43089.4      50.1
  Length Wtd. (ft)          194.57    Wetted Per. (ft)                     246.01      3.00
  Min Ch El (ft)           2361.98    Shear (lb/sq ft)                       1.08      0.31
  Alpha                       1.00    Stream Power (lb/ft s)    525.21       0.00      0.00
  Frctn Loss (ft)             0.33    Cum Volume (acre-ft)        1.26      68.70      1.40
  C & E Loss (ft)             0.22    Cum SA (acres)              2.08      26.59      2.10


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
          This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7859
```

```
INPUT
Description:
Station Elevation Data    num=     209
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2382.46    3.66  2382.6    7.13 2382.67    9.65 2382.71   10.94 2382.71
   16.91 2382.64   18.38 2382.65   27.35  2382.6   32.73 2382.62   37.78 2382.63
   41.73 2382.59   44.96 2382.57   48.26 2382.51   55.05 2382.49   58.02 2382.43
   78.44 2382.34   84.58 2382.25   87.73 2382.23   91.04 2382.21  112.12 2382.04
  113.65 2382.03  114.53 2382.02  118.31    2382  120.82 2381.97  126.55 2381.94
  127.19 2381.93   137.5  2381.9  142.92 2381.87  144.08 2381.86     150  2381.8
  151.74 2381.79  158.16 2381.71   164.3 2381.68  166.03 2381.67  184.47 2381.45
  191.59 2381.38  202.53 2381.11  203.65 2381.08  212.56    2381   212.6 2380.94
  213.21    2380  213.25 2379.95  213.84    2379  213.89 2378.93   214.5    2378
  215.09 2377.08  215.15    2377   215.2 2376.93  215.74 2376.08   215.8    2376
  215.86 2375.91  216.41    2375  216.97 2374.16  217.09    2374  217.64 2373.17
  217.75    2373  218.28  2372.2  218.42    2372  218.56 2371.79  219.05    2371
  219.25 2370.71  219.76    2370  219.96 2369.66  220.39    2369  220.65  2368.6
  221.11    2368  221.75 2367.35  222.19    2367   223.5 2366.18   223.8    2366
  225.03 2365.23  225.47    2365   226.9 2364.21   227.3    2364   228.7 2363.22
  229.15    2363  230.28 2362.42  231.09    2362  232.07 2361.59   233.2    2361
   236.9 2360.43  239.52    2360  242.79    2360  243.12    2360  245.01 2359.99
  245.08 2359.99  245.25 2359.99  245.43 2359.99  245.44 2359.99  246.31    2360
  246.55    2360  246.63    2360  253.87 2359.81  254.97  2359.8  264.81 2359.77
  276.74 2359.96  276.85 2359.96  277.24 2359.98  277.31 2359.97  277.61 2359.98
  277.67 2359.98  277.93 2359.97     278 2359.97  278.21 2359.97  278.53 2359.96
     279 2359.94  279.16 2359.93  279.55 2359.92  280.06  2359.9  280.49 2359.88
  282.95 2359.78  298.81 2359.22  302.59 2359.04  303.22    2359  305.18 2358.99
  319.56 2358.84  333.24 2358.81  333.63 2358.82  333.91 2358.82   334.4 2358.83
  334.63 2358.83  334.72 2358.83  335.81 2358.84  343.42 2358.97  345.33 2358.97
  351.55 2358.96  357.94 2358.95  366.62 2358.96  367.59 2358.96  368.71 2358.96
  370.09 2358.96  381.77 2358.99  382.51 2358.99  384.18    2359  386.07 2359.18
  389.52 2359.47  391.53 2359.64  395.42    2360  395.44    2360  395.48    2360
  396.81 2360.47  397.96 2360.86   398.4    2361     399 2361.16   400.1 2361.45
  400.89 2361.66  402.18    2362  402.65 2362.29  403.17 2362.66   403.3 2362.79
  403.34 2362.86  403.36    2363  403.36 2363.08  403.48    2364  403.49 2364.12
  403.62    2365  403.74 2365.84  403.74    2366  403.75 2366.14  403.88    2367
  403.91 2367.18  403.98    2368  404.09 2368.68  404.19 2369.32   404.2    2370
  404.22 2370.26  404.33    2371  404.36 2371.27  404.47    2372   404.5 2372.28
   404.6    2373  404.63 2373.28  404.74    2374  404.77 2374.29  404.87    2375
  404.94 2375.53  405.01    2376  405.05  2376.4   405.1    2377  405.13 2377.33
  405.24    2378  405.35 2378.77  405.37    2379   405.4 2379.22  405.54    2380
  408.12 2380.01   408.5 2380.01  408.65 2380.01  408.97 2380.01  409.46 2380.01
  409.84 2380.01   410.4    2380  411.49    2380  412.25 2379.99  415.08 2379.91
  420.77 2379.76  424.07  2379.7  425.78 2379.67  433.48 2379.56  435.18 2379.54
  436.08 2379.53  441.22 2379.55  447.01  2379.6  448.13 2379.61  449.49 2379.62
  451.45 2379.63  454.19 2379.63  469.59 2379.68  479.02 2379.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   215.2    .027  408.12    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         215.2  408.12           109.04   86.59   78.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2365.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.29    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2364.80    Reach Len. (ft)          109.04      86.59      78.04
  Crit W.S. (ft)                      Flow Area (sq ft)                   927.81
  E.G. Slope (ft/ft)       0.000700   Area (sq ft)                        927.81
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            177.76    Top Width (ft)                      177.76
  Vel Total (ft/s)             4.33   Avg. Vel. (ft/s)                      4.33
  Max Chl Dpth (ft)            5.99   Hydr. Depth (ft)                      5.22
  Conv. Total (cfs)       151729.1    Conv. (cfs)                       151729.1
  Length Wtd. (ft)             86.59  Wetted Per. (ft)                    181.13
  Min Ch El (ft)           2358.81    Shear (lb/sq ft)                      0.22
  Alpha                       1.00    Stream Power (lb/ft s)    479.02      0.00       0.00
  Frctn Loss (ft)             0.14    Cum Volume (acre-ft)        1.26      65.53       1.40
  C & E Loss (ft)             0.17    Cum SA (acres)              2.08      25.65       2.09


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7773

INPUT
Description:
Station Elevation Data    num=     199
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2378.24	4.11	2378	7.94	2377.08	8.47	2377.03	8.87	2377
8.97	2377	9.37	2376.85	9.72	2376.7	10.41	2376.42	10.65	2376.31
10.79	2376.24	11.34	2376	11.97	2375.72	13.58	2375	14.12	2374.97
16.9	2374.51	18.31	2374.44	18.51	2374.43	18.89	2374.45	19.43	2374.6
19.77	2374.64	20.69	2375	21.44	2375.76	21.68	2376	22.34	2376.69
22.64	2377	22.99	2377.35	23.48	2377.89	23.6	2378	25.69	2378.06
27.44	2378.12	37.19	2378.41	42.24	2378.54	49.28	2378.7	51.6	2378.73
51.89	2378.73	56.37	2378.78	56.91	2378.79	57.4	2378.8	62.94	2378.87
85.45	2378.99	85.51	2378.99	85.58	2378.99	89.84	2379	91.26	2379
91.57	2379	92.1	2379	95.12	2378.99	96.36	2378.97	104.05	2378.83
118.37	2378.55	119.66	2378.53	124.19	2378.45	127.57	2378.42	132.97	2378.39
134.99	2378.38	164.43	2378.22	167.98	2378.18	169.06	2378.18	170.13	2378.18
171.78	2378.21	175.69	2378.16	177.96	2378.11	179.58	2378.07	181.03	2378.01
181.99	2378	182.13	2378	182.4	2378	182.81	2378	184.57	2377.8
186.95	2377.43	187.72	2377.24	188.26	2377	188.51	2376.82	189.68	2376
190.32	2375.52	191.06	2375	192.22	2374.21	192.53	2374	193.21	2373.55
193.42	2373.43	194.19	2373	194.3	2372.95	196.08	2372	196.49	2371.81
198.25	2371	200.52	2370.1	200.73	2370	201.55	2369.62	203.43	2369
204.56	2368.58	206.47	2368	208.98	2367.15	209.44	2367	214.57	2366.01
214.99	2365.76	215.32	2365.52	229.54	2362.18	242.64	2358.77	243.18	2358
246.1	2358	252.15	2358	253.55	2358	254.04	2358	254.45	2358
256.29	2357.99	256.56	2357.99	256.89	2357.99	256.9	2357.99	267.08	2357.83
273.68	2357.72	274.49	2357.7	274.82	2357.7	275.48	2357.69	275.83	2357.69
276.95	2357.68	285.29	2357.96	285.98	2357.99	286.34	2357.99	287.9	2357.99
299.41	2358	305.44	2358.97	305.61	2359	305.87	2359.08	307.44	2359.52
308.8	2360	309.86	2360.38	311.75	2361	312.71	2361.51	313.74	2362
314.41	2362.4	315.48	2363	316.62	2363.53	317.48	2364	318.08	2364.4
319.09	2365	319.6	2365.46	320.53	2366	320.99	2366.54	321.42	2367
321.76	2367.45	322.28	2368	322.81	2368.56	323.15	2369	323.68	2369.6
323.93	2370	324.45	2370.61	324.7	2371	325.25	2371.58	325.58	2371.98
325.6	2372	326	2372.47	326.41	2373	326.81	2373.46	327.23	2374
327.62	2374.46	328.04	2375	328.89	2375.96	328.93	2376	328.98	2376.05
329.48	2376.67	329.74	2377	329.78	2377.06	330.53	2378	331.08	2378.7
331.26	2379	331.92	2379.85	331.99	2380	332.41	2380	333.24	2380
333.69	2380	333.92	2380	334.65	2380	334.96	2380	335.12	2379.98
335.33	2379.99	335.45	2379.99	337.85	2379.91	344.43	2379.75	349.11	2379.65
355.18	2379.56	356.69	2379.54	376.78	2379.01	376.83	2379.01	376.87	2379.01
377.19	2379	383.69	2378.76	388.8	2378.61	398.38	2378.28	401.18	2378.22
402.86	2378.17	403.91	2378.14	406.18	2378.15	407	2378.14	407.53	2378.13
408.05	2378.13	411.61	2378.19	426.24	2378.35	435.21	2378.49		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	193.42	.027	325.58	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
193.42	325.58	135.51	132.63	130.61	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2364.78	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.02	Wt. n-Val.		0.027		
W.S. Elev (ft)	2362.76	Reach Len. (ft)	135.51	132.63	130.61	
Crit W.S. (ft)	2362.76	Flow Area (sq ft)		351.71		
E.G. Slope (ft/ft)	0.006952	Area (sq ft)		351.71		
Q Total (cfs)	4013.00	Flow (cfs)		4013.00		
Top Width (ft)	87.95	Top Width (ft)		87.95		
Vel Total (ft/s)	11.41	Avg. Vel. (ft/s)		11.41		
Max Chl Dpth (ft)	5.07	Hydr. Depth (ft)		4.00		
Conv. Total (cfs)	48129.2	Conv. (cfs)		48129.2		
Length Wtd. (ft)	132.63	Wetted Per. (ft)		89.70		
Min Ch El (ft)	2357.68	Shear (lb/sq ft)		1.70		
Alpha	1.00	Stream Power (lb/ft s)	435.21	0.00	0.00	
Frctn Loss (ft)	0.93	Cum Volume (acre-ft)	1.26	64.26	1.40	
C & E Loss (ft)	0.05	Cum SA (acres)	2.08	25.39	2.09	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7640

INPUT
Description:
Station Elevation Data num= 246

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2376.01	.97	2376.01	3.54	2376.02	3.79	2376.02	5.07	2376.01
6.49	2376.01	7.72	2376.01	9.45	2376	10.2	2375.53	10.53	2375.25
10.74	2375	11.22	2374.12	11.26	2374	11.51	2373.49	11.79	2373
12.27	2372.17	12.38	2372	12.46	2371.89	13.03	2371	13.28	2370.62
13.73	2370	14.33	2369.03	14.35	2369	14.37	2368.96	15.1	2368
15.54	2367.33	15.75	2367	16.24	2366.26	16.44	2366	17	2365.17
17.05	2365	17.18	2364.83	17.71	2364	17.73	2364	18.01	2364.93
18.04	2365	18.16	2365.33	18.28	2366	18.3	2366.13	18.54	2367
18.57	2367.19	18.78	2368	18.8	2368.42	18.95	2369	19.07	2369.49
19.19	2370	19.22	2370.41	19.33	2371	19.41	2371.53	19.54	2372
19.8	2372.6	19.84	2373	20.6	2373.83	20.71	2374	21.47	2374.81
21.6	2375	21.92	2375.25	22.11	2375.29	22.4	2375.3	22.81	2375.28
25.69	2375.34	28.19	2375.38	30.2	2375.31	31.31	2375.28	31.79	2375.29
32.99	2375.27	36.36	2375.33	38	2375.31	38.98	2375.33	40.81	2375.33
44.14	2375.41	45.28	2375.43	46.34	2375.45	52.36	2375.45	56.87	2375.48
58.64	2375.49	63.06	2375.5	67.38	2375.48	69.32	2375.49	70.55	2375.5
75.6	2375.46	77.94	2375.48	80.13	2375.49	82.56	2375.49	84.99	2375.49
87.11	2375.49	88.84	2375.48	90.65	2375.46	96.54	2375.41	106.17	2375.3
110.19	2375.26	140.43	2375	148.47	2374.91	148.76	2374.91	149.22	2374.91
150.9	2374.89	152.55	2374.89	155.19	2374.89	173.64	2374.88	174.53	2374.86
175.87	2374.82	187.96	2374	188.07	2373.93	189.55	2373	191.07	2372.06
191.16	2372	192.41	2371.27	192.82	2371	194.12	2370.18	194.4	2370
195.53	2369.31	195.58	2369.28	195.99	2369	196.29	2368.83	197.5	2368
197.62	2367.94	199.12	2367	199.24	2366.92	200.72	2366	200.87	2365.91
202.2	2365	202.5	2364.82	203.85	2364	204.45	2363.72	205.58	2363
206.31	2362.59	207.32	2362	208.93	2361.23	209.41	2361.19	210.04	2361.14
212.31	2361	213.76	2360.84	217.06	2360.44	220.31	2360	224.29	2359.45
227.98	2359	236.88	2358.14	237.27	2358.09	237.69	2358.03	237.8	2358.02
237.84	2358.02	237.93	2358	238	2357.98	238.03	2357.98	243.31	2357
247.35	2356.35	249.25	2356	252.44	2355.99	254.27	2355.99	255.21	2355.98
255.57	2355.98	257.66	2355.98	258.62	2355.98	258.73	2355.98	259.4	2355.98
262.9	2355.99	268.33	2355.99	271.05	2356	271.25	2356	272.88	2356
284.46	2356.4	290.83	2356.65	295.28	2356.84	295.51	2356.85	297.12	2357
297.45	2357.12	300.62	2358	302.47	2358.72	303.18	2359	303.87	2359.27
305.72	2360	307.3	2360.89	307.49	2361	307.58	2361.16	308.07	2362
308.58	2362.86	308.66	2363	309.32	2363.96	309.34	2364	309.69	2364.56
309.95	2364.99	309.96	2365	309.96	2365.01	309.99	2365.04	310.52	2366
310.63	2366.2	311.03	2367	311.22	2367.36	311.53	2368	311.87	2368.54
312.11	2369	312.45	2369.54	312.7	2370	313.04	2370.54	313.28	2371
313.63	2371.54	313.87	2372	314.11	2372.45	314.46	2373	314.89	2373.58
315.12	2374	315.47	2374.58	315.7	2375	316.34	2376	316.4	2376
316.68	2376	322.17	2376.02	324.36	2376.02	327.93	2376	332.21	2375.87
333.02	2375.86	334.08	2375.83	335.07	2375.8	337.02	2375.76	354.24	2375.49
357.87	2375.43	361.92	2375.4	365.78	2375.33	369.34	2375.36	372.26	2375.3
375.67	2375.31	379.47	2375.34	383.82	2375.4	387.65	2375.47	420.12	2376
425.5	2376.06	426.45	2376.08	428.09	2376.11	433.68	2376.06	438.78	2376
439.73	2376	440.42	2375.95	443.25	2375.78	444.54	2375.67	446	2375.58
447.1	2375.53	449.92	2375.19	450.26	2375.18	450.7	2375.18	450.85	2375.18
452.03	2375	453.75	2374.76	457.67	2374	463.57	2373.56	464.57	2373.56
465.02	2373.57								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	195.53	.027	309.69	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
195.53	309.69	193.74	188.2	189.78	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2363.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.86	Wt. n-Val.		0.027	
W.S. Elev (ft)	2361.29	Reach Len. (ft)	193.74	188.20	189.78
Crit W.S. (ft)	2361.29	Flow Area (sq ft)		366.46	
E.G. Slope (ft/ft)	0.007028	Area (sq ft)		366.46	
Q Total (cfs)	4013.00	Flow (cfs)		4013.00	
Top Width (ft)	98.86	Top Width (ft)		98.86	
Vel Total (ft/s)	10.95	Avg. Vel. (ft/s)		10.95	
Max Chl Dpth (ft)	5.31	Hydr. Depth (ft)		3.71	
Conv. Total (cfs)	47868.8	Conv. (cfs)		47868.8	
Length Wtd. (ft)	188.20	Wetted Per. (ft)		100.21	
Min Ch El (ft)	2355.98	Shear (lb/sq ft)		1.60	
Alpha	1.00	Stream Power (lb/ft s)	465.02	0.00	0.00
Frctn Loss (ft)	1.38	Cum Volume (acre-ft)	1.26	63.16	1.40
C & E Loss (ft)	0.13	Cum SA (acres)	2.08	25.10	2.09

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7452

INPUT
Description:
Station Elevation Data num= 246

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2373.4	1.93	2373.39	11.91	2373.33	13.03	2373.33	14.92	2373.31
16.25	2373.32	21.8	2373.27	22.99	2373.27	41.63	2373.09	42.01	2373.08
42.15	2373.08	53.26	2373	53.43	2372.98	53.65	2372.97	53.73	2372.96
55.47	2372.79	56.83	2372.92	57.19	2372.96	57.59	2373	68.76	2373.2
69.27	2373.2	69.94	2373.21	70.88	2373.21	71.56	2373.22	71.76	2373.22
76.89	2373.24	77.7	2373.24	79.48	2373.25	79.8	2373.25	91.75	2373.24
99.85	2373.23	110.13	2373.17	113.86	2373.81	114.32	2373.85	114.58	2373.83
115.46	2373.84	115.66	2373.81	115.86	2373.78	117.16	2373.74	117.63	2373.61
117.8	2373.59	117.86	2373.58	118.2	2373.49	118.28	2373.47	118.36	2373.46
118.81	2373.38	119.48	2373.32	122.22	2373.21	127.68	2373.04	129.04	2373.11
129.87	2373.24	130.09	2373.27	130.45	2373.36	131.09	2373.52	132.62	2374
137.08	2374	142.71	2374	144.6	2373.84	145.38	2373.8	148.65	2373.62
150.82	2373.53	153.14	2373.45	155.94	2373.35	159.03	2373.27	160.12	2373.23
164.58	2373.09	166.1	2373.02	167.19	2373.02	168.11	2373.01	168.17	2373.01
168.3	2373.01	168.45	2373	170.41	2372.57	171.25	2372.38	173.06	2372
173.39	2371.9	174.83	2371	175.48	2370.47	176.13	2370	176.69	2369.53
177.34	2369	177.97	2368.46	178.54	2368	179.54	2367.2	179.79	2367
180.96	2366.03	181	2366	181.19	2365.84	182.08	2365	182.11	2364.97
183.05	2364	183.18	2363.87	184.25	2363.38	191.1	2360.25	200.81	2355.83
207.09	2353	207.54	2353	209.03	2352.99	209.23	2352.99	209.6	2352.99
210.74	2352.99	210.89	2352.99	211.01	2352.99	211.47	2352.99	211.53	2352.99
211.54	2352.99	212.12	2352.99	212.28	2352.99	214.76	2352.99	215.02	2352.99
215.44	2352.99	215.69	2352.99	216.29	2352.99	216.44	2352.99	216.88	2352.99
218.7	2353	219.05	2353	219.15	2353	220.52	2353	220.54	2353
220.55	2353	220.63	2353	221.02	2353	231.06	2353.08	231.16	2353.08
233.85	2353.02	234.57	2353.02	235.99	2353.01	236.59	2353.01	237.41	2353
238	2353	238.22	2353	238.64	2352.99	238.79	2352.99	238.85	2352.99
239.4	2352.99	242.8	2352.99	243.52	2353	252.27	2353.65	253.24	2353.63
253.69	2353.63	256.83	2353.58	257.53	2353.59	258.2	2353.6	262.43	2353.61
265.26	2353.57	268.82	2353.57	271.76	2353.52	275.84	2353.5	280.12	2353.44
285.37	2353.34	287.69	2353.29	293.9	2353.15	294.88	2353.13	299.2	2353.01
301.28	2353	301.49	2353	301.56	2353	311.64	2352.99	315.58	2352.99
317.01	2352.98	319.09	2352.99	323.25	2353	336.38	2353.59	345.74	2353.97
346.38	2354	346.39	2354	346.41	2354	346.44	2354	346.96	2354.72
348.73	2355	349.36	2355.77	349.67	2356	350.41	2356.81	350.62	2357
350.86	2357.26	351.5	2358	352.13	2358.72	352.41	2359	353.01	2359.69
353.34	2360	353.9	2360.65	354.28	2361	354.82	2361.6	355.17	2362
355.66	2362.5	356.16	2363	356.51	2363.38	357.14	2364	357.35	2364.23
358.15	2365	358.28	2365.13	358.96	2365.71	359.37	2366	359.74	2366.3
360.96	2367	362	2367.69	362.52	2367.82	363.41	2367.96	364.58	2367.99
364.6	2367.99	366	2367.89	367.37	2367.71	367.81	2367.78	368.91	2367.82
369.81	2367.82	370.55	2367.78	371.77	2367.71	379.35	2367.34	380.09	2367.28
380.67	2367.25	381.23	2367.24	382.32	2367.24	383.43	2367.25	391.38	2368
392.3	2368.21	393.56	2369	394.23	2369.47	394.78	2370	395.58	2370.62
395.96	2371	397.02	2371.75	397.25	2372	397.94	2372	400.13	2372
400.52	2372.01	400.9	2372	403.02	2372	410.84	2371.95	415.49	2371.93
417.61	2371.92	420.92	2371.9	421.17	2371.9	421.25	2371.9	432.62	2372
436.46	2372.09	437.6	2372.01	437.67	2372	438.1	2372	438.18	2372
441.23	2372.12	442.08	2372.13	453.68	2372.27	455.63	2372.31	463.57	2372.38
469.41	2372.41								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	184.25	.027	345.74	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
184.25	345.74	228.63	212.82	211.04	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2357.59	Element			
Vel Head (ft)	1.43	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2356.16	Reach Len. (ft)	228.63	212.82	211.04
Crit W.S. (ft)	2356.16	Flow Area (sq ft)		415.23	5.36
E.G. Slope (ft/ft)	0.007601	Area (sq ft)		415.23	5.36
Q Total (cfs)	4013.00	Flow (cfs)		3992.19	20.81
Top Width (ft)	149.74	Top Width (ft)		145.66	4.08
Vel Total (ft/s)	9.54	Avg. Vel. (ft/s)		9.61	3.88
Max Chl Dpth (ft)	3.18	Hydr. Depth (ft)		2.85	1.31
Conv. Total (cfs)	46028.3	Conv. (cfs)		45789.6	238.7
Length Wtd. (ft)	212.82	Wetted Per. (ft)		146.40	4.98
Min Ch El (ft)	2352.98	Shear (lb/sq ft)		1.35	0.51
Alpha	1.01	Stream Power (lb/ft s)	469.41	0.00	0.00
Frctn Loss (ft)	1.38	Cum Volume (acre-ft)	1.26	61.47	1.38
C & E Loss (ft)	0.08	Cum SA (acres)	2.08	24.58	2.08

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Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7239

INPUT
Description:
Station Elevation Data    num=     137
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2367.86    5.37 2367.62   18.74    2367   28.25 2366.05   28.77    2366
   28.82    2366   29.39 2365.98   30.86 2365.92   32.26 2365.97   32.88    2366
   36.49 2366.33   44.19    2367   44.67 2367.01   51.78 2367.17   59.09 2367.31
   65.46 2367.36   69.15 2367.39    73.5  2367.4   77.79  2367.4   83.68 2367.36
   86.18 2367.36   88.84 2367.36  126.73    2367  136.96 2366.46  137.09 2366.39
  137.17    2366   137.2 2365.54  137.28    2365   137.3 2364.51  137.33    2364
  137.35 2363.48  137.37    2363  137.39 2362.52  137.42    2362  137.44 2361.56
  137.46    2361  137.48 2360.63  137.51    2360  137.52 2359.71  137.55    2359
  137.56 2358.83  137.59 2358.09  137.61 2358.01  137.62    2358  137.62 2357.99
  137.86    2357  138.21 2356.13  138.24    2356  138.37    2355  138.37 2354.99
  138.65    2354  138.75 2353.71  138.92 2353.53  139.56    2353  139.76 2352.85
  140.77 2352.12  140.94    2352  141.16 2351.84  142.28    2351  143.02 2350.47
  143.64    2350  144.02 2349.77  145.04    2349   155.6 2348.94  163.14 2348.88
  166.06 2348.89  178.46  2348.7   179.9  2348.7  184.61 2348.69  200.92 2348.83
   209.4 2348.95  217.86    2349  218.92 2349.14  221.96 2349.57  222.36 2349.55
  222.96 2349.61  226.99 2349.71  229.97 2349.71  238.36    2349  240.53 2348.98
  241.25 2348.97  242.26 2348.98   243.7 2348.98  246.69 2348.99   246.9 2348.99
  247.88 2348.99  248.36 2348.99  249.71    2349  250.69 2349.46  252.02    2350
   252.5 2350.22  253.99    2351  255.36    2351  257.07    2351  257.45    2351
   257.9    2351  258.39    2351   263.1 2350.28  264.81 2350.16  264.94 2350.15
  267.72    2350  271.11 2349.82  271.26 2349.82  272.59 2349.79  273.79 2349.85
  278.13 2349.82  279.94 2349.79  280.41 2349.81  281.59 2349.76  281.97 2349.78
  294.21 2354.58  299.58  2355.8  303.96 2356.68     307 2358.28  319.89  2365.1
  320.32    2366  338.63 2366.59  345.22 2366.73  348.64 2366.79  362.49 2366.93
  368.66    2367  369.42 2367.01  378.13 2367.14  380.87 2367.16  385.15 2367.21
   389.4 2367.25  394.03 2367.28  399.18  2367.3  399.94 2367.31  412.58 2367.34
  419.16 2367.36  421.28 2367.37  427.12 2367.39  428.66  2367.4  430.21 2367.42
  449.69 2367.55  450.22 2367.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  139.76    .027     307    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        139.76     307           148.76  114.65    92.9             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2353.68    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.17    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2352.51    Reach Len. (ft)          148.76     114.65      92.90
  Crit W.S. (ft)           2352.21    Flow Area (sq ft)                   462.31
  E.G. Slope (ft/ft)      0.005594    Area (sq ft)                        462.31
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            148.70    Top Width (ft)                      148.70
  Vel Total (ft/s)             8.68    Avg. Vel. (ft/s)                    8.68
  Max Chl Dpth (ft)            3.82    Hydr. Depth (ft)                    3.11
  Conv. Total (cfs)        53654.5    Conv. (cfs)                        53654.5
  Length Wtd. (ft)          114.65    Wetted Per. (ft)                    150.96
  Min Ch El (ft)           2348.69    Shear (lb/sq ft)                    1.07
  Alpha                       1.00    Stream Power (lb/ft s)    450.22      0.00       0.00
  Frctn Loss (ft)             0.72    Cum Volume (acre-ft)        1.26      59.33       1.37
  C & E Loss (ft)             0.05    Cum SA (acres)              2.08      23.86       2.07


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7124

INPUT
Description:
Station Elevation Data    num=     164
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2363.3     .46 2363.26    2.67 2363.05    2.99 2363.05    3.33 2363.05
   11.61    2364   17.45 2364.02   20.87 2364.03   22.58 2364.03   23.93 2364.03
   24.79 2364.03   26.04 2364.03   27.09 2364.03   34.14 2364.19   36.57 2364.18
   39.14 2364.18   45.41 2364.28   50.31  2364.3   55.21 2364.35   56.62 2364.35
   57.24 2364.36      59 2364.35   64.59 2364.28   65.22 2364.28   66.29 2364.28
   67.87 2364.26   70.02 2364.27   72.87 2364.29   77.88 2364.37   92.38 2364.29
   95.01 2364.31    96.7 2364.33  100.77 2364.37  104.44  2364.4  110.06 2364.42
  113.99 2364.42  118.34 2364.42  119.33 2364.41   134.7 2364.31  143.35 2364.21
  147.86  2364.2  159.14 2364.06  162.39 2364.07  169.87 2364.02  170.37 2364.01
  170.45 2364.01  171.13 2364.01  172.63    2364  174.04 2363.55  174.28 2363.42
  174.64 2363.25  175.25    2363  176.44 2362.55  176.64 2362.49   176.8 2362.44
  178.45 2362.03  178.58 2362.01  178.62    2362  178.91 2361.93  182.51    2361
  183.08 2360.85  183.32 2360.78  183.98 2360.55   184.8    2360  185.29 2359.84
     187 2359.28  188.02    2359   189.4 2358.52  189.79 2358.34  190.33    2358
  190.83 2357.57  191.43 2357.05  191.48    2357  191.52 2356.97  192.46    2356
  192.89 2355.57  193.53    2355   193.8 2354.78  194.54    2354  195.44 2353.22
  195.67    2353  196.41 2352.36  196.96    2352  196.99 2351.98  197.06 2351.95
  198.25  2351.5  198.59 2351.36  199.45    2351  199.55 2350.96  199.65 2350.92
   199.7 2350.89   200.2 2350.65  200.91  2350.3  202.42 2349.37  205.06 2348.64
  214.83    2347  219.98 2346.99  227.81 2346.95  230.86 2346.94  232.42 2346.94
  236.67 2346.93  238.59 2346.93  250.56 2346.74   262.9 2346.89  265.88 2346.95
  270.59 2346.95  276.05    2347   276.7 2347.14  282.32    2348  296.21 2348.95
  296.92    2349  297.41 2349.09  297.54 2349.12  302.08    2350  304.38 2350.28
  311.49 2350.79  314.37    2351  316.38 2351.93  316.55    2352  317.01 2352.19
  317.36 2352.35  318.71    2353  319.44 2353.33  320.54 2353.87  320.78    2354
  321.81  2354.9  321.88    2355  322.63  2355.9  322.71    2356  322.77 2356.09
  323.43    2357  324.26 2357.98  324.27    2358     325 2358.94  325.05    2359
  325.11 2359.07  325.84    2360  325.95 2360.14  326.63    2361  326.82 2361.23
  327.43    2362  327.71 2362.33  328.24    2363  328.64 2363.47  329.02    2364
  329.44 2364.08  329.69 2364.11  329.96 2364.13  330.19 2364.14  331.47 2364.31
  332.39 2364.34  333.41 2364.39  334.85 2364.47  339.48 2364.88  343.17    2365
  364.92 2365.38  369.56 2365.46  374.03 2365.53  377.19 2365.57  383.46 2365.66
  392.15 2365.75  401.53 2365.85  404.79 2365.87   417.6 2365.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  185.29    .027  311.49    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        185.29  311.49           114.88   85.27   69.44             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2352.90    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.71    Wt. n-Val.                          0.027      0.035
  W.S. Elev (ft)           2351.20    Reach Len. (ft)          114.88      85.27      69.44
  Crit W.S. (ft)           2351.20    Flow Area (sq ft)                   382.66       0.91
  E.G. Slope (ft/ft)      0.007174    Area (sq ft)                        382.66       0.91
  Q Total (cfs)            4013.00    Flow (cfs)                         4011.63       1.37
  Top Width (ft)            115.81    Top Width (ft)                      112.51       3.30
  Vel Total (ft/s)           10.46    Avg. Vel. (ft/s)                    10.48       1.51
  Max Chl Dpth (ft)           4.46    Hydr. Depth (ft)                     3.40       0.27
  Conv. Total (cfs)        47378.1    Conv. (cfs)                        47362.0       16.1
  Length Wtd. (ft)           85.27    Wetted Per. (ft)                    113.46       3.35
  Min Ch El (ft)           2346.74    Shear (lb/sq ft)                      1.51       0.12
  Alpha                       1.00    Stream Power (lb/ft s)    417.60      0.00       0.00
  Frctn Loss (ft)             0.62    Cum Volume (acre-ft)        1.26      58.22       1.37
  C & E Loss (ft)             0.02    Cum SA (acres)              2.08      23.51       2.07


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7039

INPUT
Description:
Station Elevation Data    num=     189
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2362.95    1.21    2363    6.74    2363    7.58    2363    7.86    2363
    8.97    2363   10.18    2363   12.81    2363   14.16    2363   15.46    2363
   17.83    2363   21.74    2363   22.39    2363   25.63    2363   25.65    2363
   27.28 2362.83   33.72    2362   36.52 2361.98    36.8 2361.98   37.16 2361.98
   37.57 2361.98    37.7 2361.98   48.43 2361.17   49.28    2361   50.37 2360.68
   50.87 2360.56   51.64 2360.44   52.49 2360.26   52.81 2360.21   55.73    2360
```

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   57.94    2360   58.81    2360   58.88    2360   59.27    2360   59.48    2360
   60.25    2360   60.61    2360   62.51    2360   63.33    2360   67.36 2360.55
   72.68 2360.31   73.59 2360.35   74.37 2360.39   75.56 2360.33   76.38 2360.37
   80.08  2360.4   85.35 2360.52   86.43 2360.56   87.33 2360.59    88.1 2360.62
   88.76 2360.65   91.82    2361   92.47  2361.2   95.17    2362   96.55 2362.42
   99.11    2363  103.44    2363  106.08    2363  110.39    2363  111.28    2363
  111.46    2363  112.96    2363  113.06    2363  114.19    2363  114.34    2363
  114.44    2363  114.54    2363  129.68 2362.01   129.8 2362.01  129.84    2362
  129.89    2362  130.93 2361.53  131.14 2361.41  132.03    2361  132.33 2360.74
  133.48    2360  134.27 2359.38  134.62    2359  135.18  2358.5     136    2358
  136.52 2357.68  136.86 2357.53  138.11 2357.15  138.75    2357   141.5 2356.26
  142.31 2356.07  142.71    2356   143.3 2355.87  145.22 2355.45  147.36    2355
  151.09  2354.2  152.01    2354  152.86 2353.93  154.62 2353.75  156.18 2353.59
     157 2353.48  157.46 2353.41  161.46    2353  164.51 2352.74  167.65 2352.22
  167.92 2352.37   186.5 2350.71  194.13 2350.38  201.43 2349.89  203.74    2349
  203.83 2349.03  204.73 2348.61  205.19 2348.56  205.55 2348.54  207.08 2348.33
  209.76    2348  210.24 2347.94  210.51 2347.91  211.22 2347.78  211.59 2347.71
  212.28 2347.54  213.44 2347.25  213.77 2347.15  214.27    2347  216.26 2346.51
  218.03    2346  218.99 2345.97  228.89 2345.78   235.8 2345.68  236.68 2345.67
  238.06 2345.67  239.02 2345.65  242.09 2345.68  243.35 2345.65  244.45 2345.61
  248.02 2345.63  250.85 2345.62  266.46  2345.6  286.53 2345.69  286.67 2345.69
  286.81  2345.7  298.28 2345.94  298.48 2345.95  300.63    2346  302.74 2346.42
  303.76 2346.66  304.07 2346.75  304.58    2347  305.14 2347.31  306.63    2348
  310.51  2348.7  311.46    2349  321.45 2349.64  325.42  2349.9  326.91    2350
  327.84 2350.13  328.02 2350.15  328.35 2350.19  332.56 2350.71  334.57 2350.97
  334.84    2351  334.92 2351.04  335.16 2351.18  336.49    2352  337.03 2352.36
  338.03    2353  338.93 2353.61  339.53    2354  340.64 2354.73  341.01    2355
  341.24 2355.29  341.91    2356   342.7 2356.82  342.85    2357  343.32 2357.48
  343.72    2358  344.28 2358.57  344.63    2359  345.09 2359.47  345.55    2360
  345.97 2360.47  346.44    2361  346.86 2361.46  347.33    2362  347.74 2362.46
  348.21    2363  349.74 2363.07   362.5 2363.56  366.66  2363.7  386.02    2364
  388.03 2364.04  390.94 2364.09  419.01  2364.6  439.54 2364.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   143.3    .027  321.45    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         143.3  321.45             75.9   96.23  114.41             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2351.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.65    Wt. n-Val.                           0.027     0.035
  W.S. Elev (ft)           2349.72    Reach Len. (ft)           75.90      96.23    114.41
  Crit W.S. (ft)           2349.72    Flow Area (sq ft)                   389.24      0.05
  E.G. Slope (ft/ft)      0.007358    Area (sq ft)                        389.24      0.05
  Q Total (cfs)            4013.00    Flow (cfs)                         4012.98      0.02
  Top Width (ft)            120.81    Top Width (ft)                      119.58      1.23
  Vel Total (ft/s)           10.31    Avg. Vel. (ft/s)                     10.31      0.43
  Max Chl Dpth (ft)           4.12    Hydr. Depth (ft)                      3.26      0.04
  Conv. Total (cfs)        46782.3    Conv. (cfs)                        46782.1       0.2
  Length Wtd. (ft)           96.39    Wetted Per. (ft)                    120.61      1.23
  Min Ch El (ft)           2345.60    Shear (lb/sq ft)                      1.48      0.02
  Alpha                       1.00    Stream Power (lb/ft s)    439.54      0.00      0.00
  Frctn Loss (ft)             0.21    Cum Volume (acre-ft)        1.26      57.46      1.37
  C & E Loss (ft)             0.38    Cum SA (acres)              2.08      23.29      2.07


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
          This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6943

INPUT
Description:
Station Elevation Data    num=     217
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2359.49    3.29 2359.59    7.61 2359.68   10.56 2359.67   39.84 2359.95
   40.32 2359.96   43.84    2360   46.45  2360.1   46.74 2360.11   47.13 2360.13
   58.67 2360.62   60.04 2360.74   60.93 2360.77   61.79 2360.79   63.68  2360.8
   76.34 2360.72   82.65 2360.78   82.86 2360.78   83.37 2360.77   83.86 2360.76
   85.34 2360.76   86.65 2360.72   88.56 2360.65   91.91 2360.46   99.27 2360.36
```

```
   99.84 2360.26  100.74 2360.18  101.94 2360.08  102.64    2360  103.74 2359.78
  104.85 2359.47  105.23 2359.33  105.27 2359.32  105.98    2359  107.82 2358.14
  108.13    2358  110.12 2357.07  110.28    2357  112.39 2356.02  112.43    2356
  112.48 2355.97  114.74    2355  116.13 2354.33  116.85    2354  117.48 2353.71
  118.83    2353  119.65 2352.58   119.7 2352.57  120.63 2352.42   122.5 2352.01
  122.55 2352.01  122.67 2352.01  122.82    2352  125.19 2351.38  125.77 2351.24
  126.82    2351  126.88 2350.95  127.27 2350.55  128.19    2350   128.2 2349.99
  128.34  2349.9  129.47 2349.17  129.59  2349.1  129.77    2349  130.51  2348.3
  130.83    2348   131.3 2347.56  131.88    2347  132.03 2346.86  133.06    2346
  133.29 2345.79  133.81 2345.27  134.03 2345.14  134.38    2345  134.79  2344.8
  134.95 2344.76  135.16    2344  135.19 2343.87  135.42    2343  135.53 2342.23
  135.59    2342  135.62  2341.8  135.84    2341     136 2340.44  136.28    2340
   139.3 2339.03  139.36 2339.01  139.38    2339  139.39    2339  139.61    2339
   142.7    2339  143.07    2339  143.31    2339  143.39    2339  143.46    2339
  144.15    2339  144.18    2339   144.8 2339.09  145.29 2339.18  145.95 2339.32
   146.5 2339.45  146.92 2339.56  148.69    2340  150.65 2340.33  152.25 2340.62
  152.76 2340.72  154.32    2341  155.83 2341.28  156.45  2341.3  159.02  2341.7
  159.92 2341.87  161.99    2342  162.72 2342.25  162.98 2342.31   164.4 2342.55
  165.25 2342.73  166.61    2343  166.71 2343.01  166.78 2343.04  169.59 2343.98
  169.66 2343.98  170.96    2344  178.02 2344.23  181.33 2344.31  202.01 2344.77
  207.68 2344.81  208.92 2344.89  208.95 2344.89  209.87 2344.82  211.25 2344.88
  213.26 2344.83  221.45    2344  222.55 2343.99   223.4 2343.99  223.95 2343.98
  228.49 2343.96  235.37 2343.92  236.21 2343.92  237.27 2343.92  248.03 2343.98
   249.3 2343.99  249.52 2343.99  250.65 2343.99  250.94 2343.99  251.71 2343.99
  253.16    2344  262.33 2344.96  262.46 2344.97  262.66 2344.99  263.04    2345
  263.04  2344.9  263.59    2345  263.68    2345  264.06    2345  264.91 2344.99
  265.67    2345  265.72    2345  268.19 2344.99  268.33 2344.98   270.1 2344.97
  280.04 2344.85  283.58 2344.86  286.56 2344.91  292.85    2345  293.04 2345.44
  293.36    2346  293.71 2346.79   293.8    2347  293.89  2347.2  294.11    2348
  294.47  2348.8  294.56    2349  295.42 2349.99  295.43    2350  295.47 2350.99
  295.48    2351  295.58 2351.22  296.45    2352  296.87 2352.38  297.25    2353
  298.45 2353.97  298.48    2354  298.52 2354.04  299.37    2355  299.53 2355.17
  300.29    2356  300.77 2356.53  301.16    2357   301.7 2357.58  302.05    2358
  302.64 2358.64  302.96    2359  303.86 2359.83  304.02    2360  309.86 2360.02
  311.45 2360.02  313.38 2360.03   317.5 2360.13  327.93 2360.32  329.73 2360.32
  332.41 2360.32  333.68 2360.32  335.49 2360.32  337.78 2360.32  340.09 2360.31
   353.3 2360.28  357.59 2360.27  361.24 2360.27  366.14 2360.27  367.35 2360.28
  371.64  2360.3  383.41 2360.38  390.66 2360.43  393.68 2360.44   396.6 2360.44
  399.07 2360.46  402.16 2360.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  105.23    .027  286.56    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        105.23  286.56           129.75  175.78  188.75             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2349.10    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.39    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2348.71    Reach Len. (ft)          129.75     175.78    188.75
  Crit W.S. (ft)                      Flow Area (sq ft)                   781.81     26.73
  E.G. Slope (ft/ft)       0.001035   Area (sq ft)                        781.81     26.73
  Q Total (cfs)            4013.00    Flow (cfs)                         3944.22     68.78
  Top Width (ft)            164.36    Top Width (ft)                      156.49      7.87
  Vel Total (ft/s)            4.96    Avg. Vel. (ft/s)                      5.04      2.57
  Max Chl Dpth (ft)           9.71    Hydr. Depth (ft)                      5.00      3.40
  Conv. Total (cfs)        124748.5   Conv. (cfs)                       122610.6    2138.0
  Length Wtd. (ft)          175.89    Wetted Per. (ft)                    162.52     10.34
  Min Ch El (ft)           2339.00    Shear (lb/sq ft)                      0.31      0.17
  Alpha                       1.02    Stream Power (lb/ft s)    402.16      0.00      0.00
  Frctn Loss (ft)             0.38    Cum Volume (acre-ft)        1.26      56.17      1.33
  C & E Loss (ft)             0.16    Cum SA (acres)              2.08      22.98      2.06


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6767

INPUT
Description:
Station Elevation Data    num=     129
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2358     .31    2358    8.16 2358.95    8.66    2359    8.87    2359
    9.52    2359    9.86    2359      11    2359   11.29    2359   11.53    2359
   13.04    2359    13.5 2358.93   13.93 2358.97   14.35 2358.97   14.74 2358.97
   15.04 2358.97   19.91 2358.87   37.67 2358.61   47.63 2358.49   52.27 2358.47
   56.56 2358.44   59.65 2358.43   63.93 2358.43   68.33 2358.41   70.46  2358.4
  101.82  2358.3   108.7 2358.28  114.79 2358.27  116.06 2358.27  119.09 2358.28
  121.19 2358.29  126.91 2358.28   134.5 2358.02  135.13 2358.02  140.23 2358.02
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  141.39 2358.02  141.48 2358.02  142.21 2358.02  143.48 2358.02  147.65 2358.01
  154.06 2358.01  159.83    2358  160.16 2357.71  160.45 2357.53  161.52    2357
  162.04 2356.59  162.91    2356  163.78 2355.29  164.17    2355  164.51 2354.74
  165.27    2354  166.05  2353.4  166.48    2353  166.93 2352.66  167.78    2352
  168.07 2351.79  168.84 2351.25  169.29 2351.02  169.34    2351  175.47 2348.83
  176.87 2348.31  179.54 2347.38  187.54 2344.47  194.16 2342.03  194.29 2342.02
   194.3 2342.02  194.38    2342  194.43    2342  200.76 2341.99  220.73 2341.97
  224.87 2341.97  236.43 2341.98  247.11    2342  251.17 2342.45  252.98 2342.61
  254.49  2342.7  258.11 2342.99  259.11 2342.99  259.33 2342.99  262.76 2342.96
  264.98 2342.98  267.94    2343  268.34 2343.67   268.5    2344  269.19 2344.85
  269.26    2345  269.33 2345.14  269.82    2346  270.34 2346.89  270.39    2347
  270.44  2347.1  270.96    2348   271.5 2348.94  271.53    2349  271.95 2349.66
   272.1    2350  272.46 2350.56  272.69    2351  272.97 2351.47  273.27 2351.99
  273.28    2352  273.28 2352.01  273.78    2353  274.19 2353.61  274.36 2353.95
  274.38    2354  274.42 2354.05  274.95    2355  275.54 2355.98  275.55    2356
  275.57 2356.02  276.11    2357  285.53 2357.01  290.22 2357.01  290.67 2357.01
  291.39 2357.01  295.72 2357.01  301.19 2357.01  309.08    2357  328.14 2356.74
  335.09 2356.69     336 2356.68  338.48 2356.65  340.76 2356.62  342.62  2356.6
  344.37 2356.59  351.63 2356.53  379.24 2356.19  380.84 2356.17

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  168.07    .027  272.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        168.07  272.97           134.16  149.31  139.29             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2348.56    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.02    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2346.54    Reach Len. (ft)          134.16     149.31     139.29
  Crit W.S. (ft)           2346.54    Flow Area (sq ft)                   352.17
  E.G. Slope (ft/ft)      0.007069    Area (sq ft)                        352.17
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)             88.29    Top Width (ft)                       88.29
  Vel Total (ft/s)           11.40    Avg. Vel. (ft/s)                     11.40
  Max Chl Dpth (ft)           4.57    Hydr. Depth (ft)                      3.99
  Conv. Total (cfs)         47729.1    Conv. (cfs)                        47729.1
  Length Wtd. (ft)           149.23    Wetted Per. (ft)                     91.13
  Min Ch El (ft)           2341.97    Shear (lb/sq ft)                      1.71
  Alpha                       1.00    Stream Power (lb/ft s)    380.84      0.00       0.00
  Frctn Loss (ft)             1.03    Cum Volume (acre-ft)        1.26     53.88       1.28
  C & E Loss (ft)             0.01    Cum SA (acres)              2.08     22.49       2.04


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6618

INPUT
Description:
Station Elevation Data    num=     140
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2358.21   10.57 2358.02   10.87 2358.02   11.08 2358.01   11.31 2358.01
   11.71    2358   21.43 2357.77   35.35 2357.46   39.82 2357.33   47.08 2357.12
   49.96 2357.04    50.9    2357   53.23 2356.83   53.49 2356.81   54.31 2356.75
    57.8 2356.48   59.11 2356.37   59.64 2356.32   64.14    2356   64.45 2355.98
   65.95 2355.97   67.61 2355.99   67.81 2355.99   68.19    2356   76.16 2356.68
   77.69 2356.62   87.07 2356.71   95.45 2356.66     101 2356.57   102.9 2356.54
     104 2356.53  111.05 2356.41  113.49 2356.37  115.56 2356.35  118.27 2356.31
  120.26 2356.29  125.02 2356.24  128.55 2356.21  130.19 2356.19  131.51 2356.18
  132.59 2356.17  153.02 2356.02  153.29 2356.02  153.43 2356.02  155.02    2356
  155.06    2356  155.09    2356   157.5    2356  183.88 2355.72  185.07 2355.64
  187.38 2355.46  190.73 2355.17  191.84 2355.05  194.32    2355  194.36 2354.91
  194.82    2354  195.11 2353.37  195.13 2353.09  195.13    2353  195.18 2352.23
   195.2    2352  195.24  2351.3  195.26    2351   195.3 2350.33  195.32    2350
  195.36 2349.36  195.39    2349  195.43 2348.38  195.45    2348  195.49 2347.39
  195.51    2347  195.55  2346.4  195.58    2346   195.6 2345.64  195.64    2345
  195.66 2344.63   195.7    2344  195.73 2343.62  195.76    2343  195.79 2342.61
  195.83    2342  195.85  2341.6  195.89    2341  195.92  2340.6  195.93    2340
  197.84 2339.91  200.07 2339.81  223.58 2339.58  230.84 2339.61  254.82 2339.97
  255.44 2339.97  256.06 2339.98  256.46    2340  257.45 2340.27  260.41    2341
  260.67 2341.07   264.3    2342  267.34 2342.77  268.24    2343  270.96 2343.71
  272.08    2344  275.34 2344.44  275.73 2344.47   278.8  2344.7  280.37 2344.84
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  282.13    2345  287.43 2345.27  301.99    2346  302.74 2346.63   303.4    2347
  304.55 2347.92  304.64    2348  304.75 2348.08  305.55    2349  306.66 2349.77
  307.04    2350  307.42 2350.24  307.97 2350.67  308.39    2351     309 2351.34
  309.85    2352  310.66 2352.63  311.15    2353  312.01 2353.66  312.54    2354
  313.06 2354.36  313.89    2355  315.79 2355.07  316.25 2355.08  316.66 2355.08
  329.67  2355.1  337.51 2355.13  352.92 2355.04  356.39 2355.09  357.08 2355.08
  362.14    2355  391.91 2354.45  422.06    2354  425.93 2353.92  430.79 2353.81

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  197.84    .027  307.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        197.84  307.97           162.47  157.94  147.76             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2346.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.10    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2344.76    Reach Len. (ft)          162.47     157.94     147.76
  Crit W.S. (ft)           2344.76    Flow Area (sq ft)          9.77     339.75
  E.G. Slope (ft/ft)      0.006785    Area (sq ft)               9.77     339.75
  Q Total (cfs)            4013.00    Flow (cfs)                44.07    3968.93
  Top Width (ft)             83.76    Top Width (ft)             2.19      81.58
  Vel Total (ft/s)           11.48    Avg. Vel. (ft/s)           4.51      11.68
  Max Chl Dpth (ft)           5.17    Hydr. Depth (ft)           4.47       4.16
  Conv. Total (cfs)        48719.2    Conv. (cfs)              535.1    48184.2
  Length Wtd. (ft)          157.96    Wetted Per. (ft)           6.68      82.13
  Min Ch El (ft)           2339.58    Shear (lb/sq ft)           0.62       1.75
  Alpha                       1.03    Stream Power (lb/ft s)   430.79       0.00       0.00
  Frctn Loss (ft)             1.10    Cum Volume (acre-ft)       1.24      52.70       1.28
  C & E Loss (ft)             0.00    Cum SA (acres)             2.08      22.20       2.04


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6460

INPUT
Description:
Station Elevation Data    num=     152
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2352.69    2.46 2352.65    3.35 2352.64    4.26 2352.63    7.54 2352.59
    8.94 2352.58   10.47 2352.55   12.23 2352.51   14.24 2352.46   16.58 2352.39
   19.25  2352.3   21.63 2352.29   23.97  2352.3   28.03    2352   28.43    2352
   29.35 2351.99    30.1    2352   30.39    2352   30.88 2352.02   31.03 2352.02
   40.99 2352.35   41.05 2352.35   44.27 2352.37   61.22 2352.56   74.37 2352.59
   79.56 2352.63   83.38 2352.65   86.38 2352.66  100.81 2352.63  110.54 2352.65
  115.73 2352.62  125.06  2352.6  134.88 2352.65  137.52 2352.68  142.88 2352.63
  153.58 2352.35  154.54 2352.36  157.33    2352  158.36 2351.38  159.06    2351
  160.32 2350.18   160.6    2350  160.97 2349.75  162.35    2349  163.54 2348.22
  163.91    2348   164.3 2347.77  165.66    2347  166.05 2346.78  166.33 2346.62
  167.33    2346  168.02  2345.6     169    2345  169.72 2344.59  170.68    2344
  171.41 2343.58  172.35    2343  175.29 2342.56  179.98    2342  185.25 2341.43
  189.58    2341  197.68 2340.09  198.75    2340  202.55 2339.65  202.56 2339.65
  204.27    2339  206.57  2338.2     207    2338  217.22 2337.39  217.27 2337.39
  217.31 2337.39  219.07 2337.29  219.21 2337.29  221.54 2337.18  225.04 2337.17
  230.08 2337.26  236.65 2337.21  245.19 2337.29  245.31  2337.3  245.49 2337.32
  245.79 2337.35  246.16 2337.38  251.33    2338  251.48 2338.27  251.82    2339
     252 2339.31  252.37    2340  252.64 2340.59  252.82    2341  253.19 2341.67
  253.33    2342  253.78 2342.95  253.81    2343  254.17 2343.72  254.31    2344
   254.9 2344.58  255.04  2344.7  255.13 2344.77   255.2 2344.81  255.45    2345
  255.85 2345.44  256.39    2346  256.66 2346.31  256.97 2346.74  257.12    2347
  257.23 2347.15   257.7    2348  258.01 2348.41  258.32    2349  258.76 2349.56
     259    2350  259.26 2350.36  259.69    2351  260.37 2351.61  260.67    2352
  261.48 2352.79  262.18    2353  263.36 2353.01  264.55 2353.01  267.74 2353.04
  269.91 2353.04  271.93 2353.05  274.85 2353.04  276.88 2353.04  278.43 2353.04
  282.26 2353.03   284.4 2353.07  284.75 2353.07  289.81    2353  299.05 2352.92
  303.59 2352.88  306.84 2352.86  312.49 2352.84  312.91 2352.84  313.31 2352.84
  323.96 2352.79   328.2 2352.76  332.71 2352.73  335.05 2352.71  339.84 2352.66
  345.46 2352.61  354.23 2352.51  376.73 2352.22  383.66 2352.13  391.83    2352
  403.47 2351.69  411.27 2351.47  416.87 2351.31  426.21 2351.02  426.75 2351.01
   426.9    2351  451.14 2350.42

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  166.05    .027  278.43    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        166.05  278.43            86.47   99.49   110.1             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2345.32    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.13    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2343.20    Reach Len. (ft)           86.47     99.49     110.10
  Crit W.S. (ft)           2343.20    Flow Area (sq ft)                  342.77
  E.G. Slope (ft/ft)      0.007129    Area (sq ft)                       342.77
  Q Total (cfs)            4013.00    Flow (cfs)                        4013.00
  Top Width (ft)             81.87    Top Width (ft)                     81.87
  Vel Total (ft/s)           11.71    Avg. Vel. (ft/s)                   11.71
  Max Chl Dpth (ft)           6.02    Hydr. Depth (ft)                    4.19
  Conv. Total (cfs)        47527.9    Conv. (cfs)                       47527.9
  Length Wtd. (ft)           99.49    Wetted Per. (ft)                   85.71
  Min Ch El (ft)           2337.17    Shear (lb/sq ft)                    1.78
  Alpha                       1.00    Stream Power (lb/ft s)    451.14    0.00       0.00
  Frctn Loss (ft)             0.72    Cum Volume (acre-ft)        1.23    51.46      1.28
  C & E Loss (ft)             0.12    Cum SA (acres)              2.08    21.90      2.04


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6360

INPUT
Description:
Station Elevation Data    num=     152
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2351.03    1.35    2351    7.66 2350.31    7.99 2350.32   14.49 2350.33
   21.84 2350.36   22.96 2350.38   24.11 2350.41   32.83 2350.49   46.44 2350.66
   53.51 2350.74   54.35 2350.74   54.95 2350.74   63.19 2350.78   64.24 2350.78
   65.25 2350.78   66.36 2350.79   73.34 2350.79   77.13  2350.8   88.04 2350.78
    93.1 2350.78   98.28  2350.8   100.5 2350.81  107.66 2350.85  110.83 2350.81
  116.82 2350.71  116.92 2350.71  129.19    2351  133.67 2351.01  135.97 2351.01
  137.78 2351.01   139.4 2351.02  140.82 2351.02  142.11 2351.01  142.32 2351.01
  147.63    2351  147.94 2350.98  150.43    2350  151.71 2349.26  152.12    2349
  153.24 2348.28  153.64    2348   154.3 2347.54  155.07    2347  156.13  2346.3
  156.58    2346  157.43 2345.43   157.7 2345.25  158.05    2345  158.78 2344.48
  159.46    2344  159.74 2343.79  160.77    2343  161.88 2342.14  162.01    2342
  163.71 2341.66   167.1    2341  167.21 2340.99   172.6 2340.53  178.27    2340
  181.39 2339.61  183.56 2339.29  185.34    2339  185.82 2338.94  193.69    2338
  198.88  2337.4   199.5 2337.35  200.92    2337  203.09 2336.49  204.37    2336
  205.47 2335.99  206.76 2335.99  208.24    2336  209.31    2336  210.32    2336
     214 2336.01  214.29 2336.01  216.55 2336.01  217.59    2336  218.64    2336
  220.44 2335.99  224.92 2335.96  237.68 2335.76  250.95 2335.72   251.4 2335.73
  251.86 2335.73  256.33 2335.77  258.22 2335.78  274.88    2336  274.92    2336
  275.21    2336  286.82  2336.8  288.86    2337  288.86 2337.46  288.91    2338
  288.91  2338.2  289.03 2338.72  289.08    2339  289.12  2339.2  289.27    2340
  289.38 2340.63  289.44    2341  289.45  2341.1  289.58    2342  290.02 2342.76
  290.11 2342.92  290.12    2343  290.32 2343.74  290.36 2343.99  290.36    2344
  290.52 2344.97  290.53    2345  290.69 2345.95   290.7    2346  290.85 2346.94
  290.86    2347  291.02 2347.93  291.03    2348  291.06 2348.08  291.21    2349
  291.42 2349.23  291.58    2350  291.75    2350  292.11    2350  292.82 2350.01
  293.02 2350.01  296.77 2350.08   301.8 2350.15  314.83  2350.1  315.22  2350.1
  322.46 2350.05  322.71 2350.05  328.58    2350  328.72    2350  333.54 2349.96
  333.92 2349.95  347.87 2349.79  353.92 2349.64  361.82  2349.5  371.39 2349.25
  373.25 2349.21  374.44 2349.18  379.61    2349  398.86 2348.56  403.03 2348.49
  404.66 2348.47  415.69 2348.27  428.53 2348.01  429.91    2348  436.94 2347.84
  446.71 2347.62  448.41 2347.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  157.43    .027  293.02    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        157.43  293.02           144.83  163.77  174.36             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2341.68    Element                  Left OB    Channel   Right OB
```

Vel Head (ft)	1.74	Wt. n-Val.		0.027	
W.S. Elev (ft)	2339.94	Reach Len. (ft)	144.83	163.77	174.36
Crit W.S. (ft)	2339.94	Flow Area (sq ft)		379.35	
E.G. Slope (ft/ft)	0.007391	Area (sq ft)		379.35	
Q Total (cfs)	4013.00	Flow (cfs)		4013.00	
Top Width (ft)	110.49	Top Width (ft)		110.49	
Vel Total (ft/s)	10.58	Avg. Vel. (ft/s)		10.58	
Max Chl Dpth (ft)	4.22	Hydr. Depth (ft)		3.43	
Conv. Total (cfs)	46679.1	Conv. (cfs)		46679.1	
Length Wtd. (ft)	163.77	Wetted Per. (ft)		113.47	
Min Ch El (ft)	2335.72	Shear (lb/sq ft)		1.54	
Alpha	1.00	Stream Power (lb/ft s)	448.41	0.00	0.00
Frctn Loss (ft)	1.22	Cum Volume (acre-ft)	1.23	50.63	1.28
C & E Loss (ft)	0.04	Cum SA (acres)	2.08	21.68	2.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 6197

INPUT
Description:
Station Elevation Data num= 180

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2349.19	4.37	2349.04	4.93	2349.03	5.74	2349	7.77	2348.82
12.11	2348.45	13.84	2348.32	16.18	2348.16	16.72	2348.12	17.02	2348.1
18.74	2348	19.32	2347.99	22.65	2347.79	27.4	2347.54	29.73	2347.43
30.96	2347.39	31.37	2347.34	32.07	2347.34	32.58	2347.34	33.48	2347.37
34.01	2347.32	34.39	2347.33	35.13	2347.28	35.78	2347.28	36.46	2347.24
36.93	2347.23	37.22	2347.23	37.58	2347.25	37.87	2347.27	38.39	2347.31
39.24	2347.41	39.6	2347.46	40.01	2347.52	40.29	2347.57	43.8	2348
45.79	2348.23	46.14	2348.26	47.1	2348.34	48.91	2348.47	56.12	2348.89
56.3	2348.91	56.44	2348.92	56.54	2348.93	57.49	2348.96	57.54	2348.97
57.84	2348.99	57.89	2349	57.9	2349	58.49	2349	58.98	2349
62.84	2348.99	64.75	2348.99	65.75	2348.99	66.15	2348.99	66.74	2348.98
67.82	2348.98	68.85	2348.98	69.18	2348.98	69.67	2348.98	70.94	2348.98
78.63	2348.79	89.21	2348.58	100.38	2348.57	113.72	2348.55	117.68	2348.54
121.12	2348.52	123.12	2348.51	125.22	2348.49	128.79	2348.45	133.83	2348.39
140.23	2348.28	148.04	2348.11	152.5	2348	153.71	2347.79	154.82	2347.57
155.48	2347.47	155.61	2347.45	156.62	2347	157.01	2346.73	158.28	2346
158.67	2345.73	159.94	2345	160.33	2344.73	161.08	2344.3	161.59	2344
161.99	2343.73	163.38	2343	164.55	2342.34	165.03	2342	165.52	2341.66
166.99	2341	167.94	2340.48	168.62	2340	176.56	2339.04	176.78	2339
179.17	2338.72	182.17	2338.39	185.76	2338	200.45	2337.39	208.49	2337
212.02	2336.71	212.22	2336.7	212.42	2336.69	212.54	2336.68	212.77	2336.66
218.06	2336	221.8	2335.61	226	2335	229.37	2334.6	235.53	2334
240.04	2333.1	240.43	2333	241.25	2333	246.23	2333	247.47	2333
250.37	2333	251.73	2333	263.93	2333.15	269.5	2333.22	275.65	2333.3
286.77	2333.44	321.18	2333.93	323.08	2333.95	326.14	2334	326.74	2334.08
329.63	2334.35	330.26	2334.44	330.56	2334.53	330.8	2335	330.92	2335.67
331.02	2336	331.12	2336.76	331.2	2337	331.27	2337.24	331.42	2338
331.5	2338.25	331.64	2339	331.72	2339.25	331.87	2340	331.97	2340.82
332.02	2341	332.08	2341.18	332.25	2342	332.31	2342.19	332.48	2343
332.6	2343.87	332.64	2344	332.8	2344.99	332.8	2345	332.8	2345.01
333.02	2346	333.03	2346.06	333.07	2346.19	333.31	2347	336.68	2347.02
337.01	2347.02	337.26	2347.02	345.53	2347.03	358.03	2347	366.93	2346.89
367.47	2346.88	368.07	2346.86	373.3	2346.73	379.28	2346.6	383.41	2346.5
386.48	2346.42	388.26	2346.38	404.71	2346	444.91	2345.14	446.9	2345.1
447.94	2345.07	448.55	2345.06	451.72	2345	463.84	2344.77	477.83	2344.52
484.16	2344.4	484.96	2344.38	487.9	2344.31	489.65	2344.27	497.11	2344.15

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	161.08	.027	333.07	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
161.08	333.07	252.67	212.84	183	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2338.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.59	Wt. n-Val.		0.027	
W.S. Elev (ft)	2337.16	Reach Len. (ft)	252.67	212.84	183.00
Crit W.S. (ft)	2337.16	Flow Area (sq ft)		396.69	
E.G. Slope (ft/ft)	0.007509	Area (sq ft)		396.69	

Q Total (cfs)	4013.00	Flow (cfs)		4013.00		
Top Width (ft)	126.02	Top Width (ft)		126.02		
Vel Total (ft/s)	10.12	Avg. Vel. (ft/s)		10.12		
Max Chl Dpth (ft)	4.16	Hydr. Depth (ft)		3.15		
Conv. Total (cfs)	46311.3	Conv. (cfs)		46311.3		
Length Wtd. (ft)	212.87	Wetted Per. (ft)		128.39		
Min Ch El (ft)	2333.00	Shear (lb/sq ft)		1.45		
Alpha	1.00	Stream Power (lb/ft s)	497.11	0.00	0.00	
Frctn Loss (ft)	1.60	Cum Volume (acre-ft)	1.23	49.17	1.28	
C & E Loss (ft)	0.06	Cum SA (acres)	2.08	21.23	2.04	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 5984

INPUT
Description:
Station Elevation Data num= 240

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2349.42	1.76	2349.25	2.71	2349.15	4.29	2349	8.46	2348.63
8.97	2348.59	9.41	2348.55	11.71	2348.33	14.57	2348.07	15.41	2348
16.11	2347.94	18.82	2347.71	21.52	2347.49	22	2347.45	27.72	2347
33.31	2346.56	34.87	2346.45	37.52	2346.25	40.44	2346	41.85	2345.84
42.78	2345.71	44	2345	44.78	2344.32	45.14	2344	46.19	2343.08
46.27	2343	47.35	2342.1	47.45	2342	47.48	2341.95	48.73	2341
49.29	2340.64	50.05	2340	50.9	2339.27	51.3	2339	53.05	2338.25
53.8	2338	55.02	2337.58	56.65	2337	57.67	2336.59	59.4	2336
60.91	2335.43	62.19	2335	62.37	2334.94	65.42	2334	67.71	2333.74
68.23	2333.68	68.78	2333.61	69.53	2333.52	70.37	2333.43	71.58	2333.32
75.38	2333	76.09	2333	76.33	2333	76.64	2333	77.02	2333
78.76	2332.99	80.26	2332.99	80.96	2332.99	83.65	2333	85.9	2333.92
86.06	2334	86.19	2334.06	88.48	2335	90.43	2335.88	90.65	2336
92.11	2336.81	92.4	2337	92.6	2337.18	93.48	2338	93.65	2338.17
94.64	2339	94.87	2339.27	95.72	2340	96.02	2340.29	96.82	2341
97.12	2341.26	97.87	2342	99.09	2342.83	99.23	2343	99.42	2343.32
100.3	2344	100.63	2344.45	101.28	2345	104.41	2345.01	106.51	2345.01
111.36	2345	111.69	2345	111.79	2345	111.82	2344.97	111.9	2344.88
112	2344.72	112.35	2344	112.74	2343.21	112.86	2343	113.14	2342.54
113.47	2342	114.04	2341.26	114.22	2341	115	2340.07	115.05	2340
115.68	2339.24	115.86	2339	116.63	2338.17	116.75	2338	117.58	2337.11
117.67	2337	117.74	2336.91	118.54	2336	119.4	2335.22	119.58	2335
124.79	2334.98	124.9	2334.98	125.43	2334.98	125.77	2334.98	128.73	2334.84
128.74	2334.84	129.17	2334.87	129.91	2335	130.09	2335.11	131.47	2336
133.04	2336.92	133.15	2337	133.23	2337.05	134.45	2338	135.24	2338.64
135.4	2338.7	135.68	2339	136.34	2339.74	136.54	2340	137.22	2340.76
137.43	2341	138.1	2341.75	138.29	2342	138.98	2342.77	139.19	2343
139.87	2343.77	140.06	2344	140.27	2344.22	140.96	2345	141.57	2345.02
142.77	2345.03	143.22	2345.02	143.28	2345.02	143.34	2345.02	143.59	2345.01
143.71	2345.01	144.45	2345	145	2344.93	149.94	2344.36	150.02	2344.35
151.63	2344.17	153.17	2344.01	153.37	2344	153.4	2344	153.51	2344
153.98	2343.96	155.37	2343.3	155.89	2343	156	2342.86	156.68	2342
156.7	2341.97	156.88	2341.74	157.41	2341.1	157.49	2341	158.09	2340.27
158.31	2340	158.73	2339.48	159.12	2339	159.31	2338.77	159.61	2338.41
159.92	2338.05	159.96	2338	160.03	2337.92	160.81	2337	161.7	2336
161.97	2335.64	162.38	2335	164.66	2334.22	165.24	2334	167.46	2333.29
168.19	2333	168.68	2332.76	171.32	2332	196.51	2331.36	204.12	2331
206.23	2330.33	207.13	2330	208.07	2329.98	208.98	2329.98	209.87	2329.98
212.68	2329.98	216.44	2330	233.54	2330.11	244.41	2330.16	244.87	2330.16
245.06	2330.16	247.2	2330.18	248.28	2330.18	250.99	2330.18	263.21	2330.11
266.45	2330.1	266.64	2330.1	266.91	2330.1	270.72	2330.09	277.36	2330
279.04	2329.97	283.89	2329.96	284	2329.96	288.51	2329.9	288.72	2329.9
295.9	2329.64	300.25	2329.62	309.34	2330	323.98	2338.3	330.87	2339.77
343.52	2342.45	349.28	2343.74	349.54	2343.79	349.67	2343.82	349.81	2343.85
350.67	2344.04	350.69	2344.04	353.24	2344.05	355.73	2344.06	360.66	2344.07
371.08	2344.07	371.12	2344.07	371.21	2344.07	371.3	2344.07	379.97	2344.05
382.06	2344.05	383.48	2344.06	426.7	2344.13	430.13	2344.14	430.86	2344.14
436.11	2344.13	441.76	2344.12	442.4	2344.11	449.65	2344.07	450.18	2344.07

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	150.02	.027	330.87	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
150.02	330.87	253.07	134.59	99.74	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2334.75	Element			
Vel Head (ft)	1.40	Wt. n-Val.	0.035	0.027	
W.S. Elev (ft)	2333.35	Reach Len. (ft)	253.07	134.59	99.74
Crit W.S. (ft)	2333.35	Flow Area (sq ft)	3.79	421.37	
E.G. Slope (ft/ft)	0.007484	Area (sq ft)	3.79	421.37	
Q Total (cfs)	4013.00	Flow (cfs)	6.03	4006.97	
Top Width (ft)	161.20	Top Width (ft)	13.23	147.97	
Vel Total (ft/s)	9.44	Avg. Vel. (ft/s)	1.59	9.51	
Max Chl Dpth (ft)	3.73	Hydr. Depth (ft)	0.29	2.85	
Conv. Total (cfs)	46387.7	Conv. (cfs)	69.7	46318.1	
Length Wtd. (ft)	134.37	Wetted Per. (ft)	13.31	149.27	
Min Ch El (ft)	2329.62	Shear (lb/sq ft)	0.13	1.32	
Alpha	1.01	Stream Power (lb/ft s)	450.18	0.00	0.00
Frctn Loss (ft)	1.04	Cum Volume (acre-ft)	1.21	47.18	1.28
C & E Loss (ft)	0.08	Cum SA (acres)	2.04	20.57	2.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 5849

INPUT
Description:
Station Elevation Data num= 208

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2349.07	.64	2349	3.94	2348.63	10.27	2348	18.71	2347.17
20.31	2347	22.94	2346.74	23.41	2346.69	29.61	2346	30.18	2345.41
30.65	2345	30.99	2344.65	31.6	2344	32.37	2343.14	32.54	2343
33.3	2342.15	33.43	2342	34.15	2341.21	34.34	2341	34.36	2340.98
35.28	2340	35.37	2339.91	36.24	2339	36.39	2338.85	37.19	2338
37.4	2337.79	38.15	2337	38.43	2336.73	39.13	2336	39.47	2335.67
40.12	2335	40.53	2334.62	41.08	2334.04	41.12	2334	41.62	2333.5
42.09	2333	42.88	2332.28	43.21	2332	44.47	2331.36	44.92	2331
47.5	2330.58	51.25	2330	54.87	2329.59	59.82	2329	70.78	2328.99
79.92	2328.98	85.01	2328.98	90.58	2328.99	93.87	2328.99	99.23	2329
100.34	2329	101.12	2329.01	102.77	2329.08	102.91	2329.08	103.27	2329.09
106.64	2329.11	110.66	2329.5	113.68	2329.65	115.2	2330	116.14	2330.37
117.92	2331	118.86	2331.39	120.54	2332	122.19	2332.83	122.51	2333
123.23	2333.88	123.33	2334	123.43	2334.13	124.18	2335	124.94	2335.87
125.05	2336	125.72	2336.9	125.81	2337	126.64	2337.99	126.65	2338
127.48	2338.98	127.49	2339	127.51	2339.02	128.39	2340	129.11	2340.91
129.2	2341	129.52	2341	131.22	2341	133.93	2341	151.04	2341.01
168.94	2341	173.06	2341	173.78	2341	173.79	2340.99	174.71	2340
174.74	2339.97	175.54	2339	176.13	2338.3	176.55	2338	176.77	2337.72
177.51	2337	177.84	2336.58	178.52	2336	179.55	2335.49	180.56	2335
181.49	2334.52	182.53	2334	183.77	2333.35	184.48	2333	186.18	2332.14
186.38	2332	186.48	2332	186.61	2332	186.66	2332	186.91	2332
187.19	2332	201.16	2331.6	208.85	2331.4	212.15	2331.31	216.54	2331.2
223.67	2331	223.76	2330.99	232.67	2330	236.64	2329.53	241.4	2329
242.97	2328.82	247.91	2328	249.35	2327.85	260.27	2327.54	261.46	2327.51
267.86	2327.45	271.55	2327.49	274.12	2327.5	276.56	2327.51	280.63	2327.55
285.55	2327.62	287.07	2327.65	292.26	2327.63	293.55	2327.65	295.54	2327.65
297.52	2327.65	299.57	2327.65	301.45	2327.66	310.93	2327.73	324.67	2327.96
326.19	2328	332.32	2328.21	335.22	2328.31	338.79	2328.44	346.75	2328.78
348.92	2328.87	350.5	2328.93	350.72	2328.94	350.93	2328.94	351.46	2328.96
351.52	2328.96	351.58	2328.96	351.82	2329	352.54	2329.35	353.19	2329.64
354.08	2330	355.04	2330.25	356.06	2330.5	356.59	2330.65	356.86	2330.76
356.95	2330.83	356.99	2331	357.02	2331.92	357.03	2332	357.1	2332.93
357.11	2333	357.18	2333.95	357.19	2334	357.26	2334.97	357.26	2335
357.34	2335.99	357.34	2336	357.37	2336.29	357.78	2337	358.13	2337.32
358.36	2338	358.37	2338.04	358.41	2338.14	358.68	2338.8	358.77	2339
358.9	2339.29	359.23	2340	359.33	2340.29	359.64	2341	359.88	2341.47
360.08	2342	361.11	2342.11	361.57	2342.16	361.83	2342.21	362.26	2342.19
362.59	2342.25	363.22	2342.24	364.6	2342.32	368.22	2342.73	373.71	2343
381.05	2343.09	381.72	2343.1	384.35	2343.12	386.83	2343.15	390.05	2343.17
391.22	2343.18	392.55	2343.19	398.42	2343.24	403.66	2343.28	407.78	2343.29
417.05	2343.29	419.31	2343.3	422.62	2343.31				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	41.08	.027	346.75	.035

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         41.08  346.75           216.27  222.02   224.5            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

E.G. Elev (ft)	2332.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.15	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2330.91	Reach Len. (ft)	216.27	222.02	224.50
Crit W.S. (ft)	2330.91	Flow Area (sq ft)		455.33	14.96
E.G. Slope (ft/ft)	0.007989	Area (sq ft)		455.33	14.96
Q Total (cfs)	4013.00	Flow (cfs)		3941.68	71.32
Top Width (ft)	204.68	Top Width (ft)		194.46	10.22
Vel Total (ft/s)	8.53	Avg. Vel. (ft/s)		8.66	4.77
Max Chl Dpth (ft)	3.46	Hydr. Depth (ft)		2.34	1.46
Conv. Total (cfs)	44897.4	Conv. (cfs)		44099.5	797.9
Length Wtd. (ft)	222.04	Wetted Per. (ft)		195.03	10.63
Min Ch El (ft)	2327.45	Shear (lb/sq ft)		1.16	0.70
Alpha	1.02	Stream Power (lb/ft s)	422.62	0.00	0.00
Frctn Loss (ft)	1.77	Cum Volume (acre-ft)	1.20	45.82	1.26
C & E Loss (ft)	0.01	Cum SA (acres)	2.00	20.04	2.03

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 5627

INPUT
Description:
Station Elevation Data    num=     184
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2345.22     1.5 2345.04     1.8    2345    2.16 2344.96    7.68 2344.18
    9.62    2344    19.7 2343.07   20.57    2343   34.36 2342.02   34.66    2342
   34.76 2341.99   35.37 2341.95   49.06    2341   50.75 2340.79   56.62    2340
   58.16 2339.42   58.76 2339.21   59.46    2339    61.1 2338.49   63.02    2338
   63.49 2337.86   66.87    2337   67.84 2336.71   70.27  2336.1   70.66    2336
   71.35  2335.8   74.57    2335   74.98 2334.88   78.58    2334    79.1 2333.83
   79.34 2333.74   79.76 2333.55    79.9 2333.51   79.99 2333.47   80.85 2333.02
   80.85 2333.01   80.88    2333   80.89 2332.99   82.64    2332   83.43 2331.57
   84.44    2331   85.01 2330.68   86.23    2330   87.36 2329.37      88    2329
   89.43 2328.19    89.8    2328   90.06 2327.88    91.8    2327   97.48 2326.49
  102.98    2326  114.29    2326  120.54 2325.99  133.19    2326  138.01    2326
  139.02 2326.96  139.05    2327  139.08 2327.02  140.12    2328  140.14 2328.01
  141.02 2328.84  141.17 2328.98  141.19    2329  142.15 2329.88  142.28    2330
   142.4 2330.11  143.37    2331  143.84 2331.37  144.43    2332  145.14 2332.61
  145.59    2333  146.23 2333.65  146.62    2334  146.79 2334.17   147.8    2335
  148.34 2335.54  148.85    2336  149.26  2336.4  149.91    2337  156.69  2337.4
  157.41 2337.44  159.74 2337.44  170.37 2337.48  184.82 2337.07  188.61 2337.02
  189.85    2337  190.36  2336.6  191.31    2336   192.6 2335.04  192.67    2335
  193.96 2334.04  194.03    2334  194.08 2333.96  195.54    2333  196.68 2332.03
  196.73    2332  196.77 2331.97  198.12    2331  199.27 2330.09  199.41    2330
  201.25 2329.01  201.64    2329  208.05 2328.59  213.78 2328.25  216.38    2328
  219.11  2327.2  219.88    2327  220.91 2326.47  222.01    2326  222.33 2325.84
  223.63    2325  231.16 2324.52  233.68 2324.34  235.08 2324.27  236.01 2324.23
  236.66 2324.21  236.99 2324.21  238.63 2324.01  238.65 2324.01  238.76    2324
  239.95 2323.99  240.05 2323.99  240.93 2323.99  241.12 2323.99  241.89 2323.98
  242.28 2323.98  242.98 2323.98  246.16 2323.97   250.9 2323.96  253.69 2323.94
  261.47  2323.9   261.9  2323.9  277.31  2323.7  277.56 2323.71  291.86    2324
  332.33 2326.75  334.68    2327  335.39    2327  335.46    2327  342.13 2327.36
  351.24    2328  353.22 2328.67  353.79 2328.83  354.27    2329   354.5 2329.16
  355.68    2330   356.7    2331  357.64 2331.87  357.81    2332  357.83 2332.02
  358.66 2332.71  358.96    2333  359.93 2333.89  360.04    2334  360.17 2334.11
     361    2335  361.62 2335.55  362.16    2336   362.7 2336.48  363.29    2337
  363.86 2337.51  364.42    2338  368.47    2338  368.87    2338  369.39    2338
  369.94    2338  370.14    2338  373.87    2338  377.35    2338  377.49    2338
  377.97    2338  378.53    2338  378.68    2338  379.17    2338  387.44 2338.27
  394.81 2338.49  399.04 2338.51  410.02 2338.52   415.1 2338.53  419.24 2338.53
  425.31 2338.53  437.25 2338.48  450.55 2338.45  465.15 2338.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   70.27    .027  357.83    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
         70.27  357.83           307.06  260.47  252.46             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

E.G. Elev (ft)	2329.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.24	Wt. n-Val.		0.027	
W.S. Elev (ft)	2327.78	Reach Len. (ft)	307.06	260.47	252.46
Crit W.S. (ft)	2327.78	Flow Area (sq ft)		448.20	
E.G. Slope (ft/ft)	0.007979	Area (sq ft)		448.20	
Q Total (cfs)	4013.00	Flow (cfs)		4013.00	
Top Width (ft)	180.60	Top Width (ft)		180.60	
Vel Total (ft/s)	8.95	Avg. Vel. (ft/s)		8.95	
Max Chl Dpth (ft)	4.08	Hydr. Depth (ft)		2.48	
Conv. Total (cfs)	44926.9	Conv. (cfs)		44926.9	
Length Wtd. (ft)	260.18	Wetted Per. (ft)		182.33	
Min Ch El (ft)	2323.70	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)	465.15	0.00	0.00
Frctn Loss (ft)	2.19	Cum Volume (acre-ft)	1.20	43.52	1.22
C & E Loss (ft)	0.07	Cum SA (acres)	2.00	19.08	2.00

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 5367

INPUT
Description:
Station Elevation Data    num=     244
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2339.86    8.16  2339.1    9.36    2339   10.88 2338.85   19.33    2338
   21.57  2337.8   28.99    2337   39.94 2336.22   42.23    2336   47.98 2335.64
   49.88 2335.54   59.51 2335.07   60.89    2335   73.44 2334.41   81.93    2334
   89.76 2333.74   91.48 2333.71   95.75 2333.59   99.36 2333.52  102.55 2333.47
  117.28 2333.27  125.09 2333.16  132.42 2333.01  133.19    2333  133.51    2333
  133.56    2333  133.85    2333  141.69 2332.81  147.67 2332.69  148.26 2332.67
   151.5 2332.63  152.16 2332.62  155.39 2332.57  156.17 2332.56  157.03 2332.55
  161.98 2332.35  167.79 2332.04  170.18    2332  170.67 2331.14  170.82    2331
  171.12  2330.7  171.53    2330  171.88 2329.73  172.82    2329  173.97 2328.18
   174.2    2328  174.58 2327.73  175.14 2327.32  175.57    2327  176.25 2326.48
  176.91    2326   177.1 2325.86  177.22 2325.76  177.57 2325.48   178.4    2325
  180.24 2324.05  180.36    2324  182.05 2323.16  182.36    2323  190.45 2322.55
  190.78 2322.53  202.04    2322  204.05    2322  204.07    2322  208.15    2322
  208.42    2322  209.62 2321.99  223.45 2321.98  227.59 2321.98  228.04 2321.98
  228.28 2321.98  229.28 2321.98  229.65 2321.98  229.92 2321.98  239.96 2321.54
   240.3 2321.55  241.08 2321.52  241.45 2321.52  242.09 2321.52  242.73 2321.52
  244.28 2321.55  245.76  2321.6   247.6 2321.68  248.27 2321.67  251.72    2322
  252.19 2322.05  252.41 2322.07   254.5 2322.27  256.41 2322.46  258.04  2322.6
  259.13 2322.69  260.36 2322.78  262.35    2323  264.17 2323.48  267.79    2324
  268.39 2324.29  269.83    2325   270.3 2325.22   271.8    2326  272.07 2326.21
  273.03    2327  273.36 2327.32  274.07    2328  274.48 2328.38  275.12    2329
  275.73 2329.59   276.2    2330  276.86 2330.63  277.28    2331     278  2331.7
  278.33    2332  280.04 2332.21   280.2 2332.23  284.72 2332.42  287.59 2332.51
  287.98    2332  288.33 2331.48  288.68    2331  288.99 2330.46   289.3    2330
  289.63 2329.51  289.97    2329  290.28 2328.42  290.56    2328  290.87 2327.55
  291.23    2327  291.54 2326.44  291.84    2326  292.06 2325.47  292.45    2325
  293.01 2324.37  293.33    2324  294.16 2323.02  294.19    2323  295.09 2322.08
  295.19    2322  295.29 2321.94  298.01    2321  302.76 2321.11  305.36 2321.15
   308.9 2321.09   310.9 2321.06  313.78    2321  318.85 2321.19  319.36 2321.19
  332.04 2321.36  341.29 2321.41  342.21  2321.4  342.92 2321.38  359.13 2321.26
  380.86 2321.01  381.89 2321.01  382.24 2321.01   382.8    2321  383.88    2321
  384.54 2320.86  387.67    2320  391.22 2319.99  393.05 2319.99  398.39 2319.98
  402.04 2319.98  407.33 2319.98  415.82 2319.98  422.19 2319.98  425.31 2319.99
   427.1 2319.99  428.39 2319.99  433.09    2320  435.88    2320  437.28    2320
  437.75    2320  438.17    2320  438.71    2320  439.48    2320  440.14 2320.01
  442.06 2320.11   443.4 2320.18  445.28 2320.29  450.26 2320.56  454.16 2320.74
  458.96 2320.99  459.85    2321  459.88    2321  459.96    2321  460.04    2321
  461.44 2321.34  462.13 2321.68  462.72    2322  462.83 2322.28  463.12    2323
  463.42 2323.78  463.51    2324  463.85 2324.88  463.89    2325  464.27 2325.97
  464.28    2326  464.37 2326.24  464.82 2326.81   464.9    2327  465.32 2327.62
  465.46    2328     466 2328.68   466.1    2329  466.23  2329.4  466.45    2330
  466.59 2330.38  466.73 2330.93  466.74    2331  466.77 2331.08  467.02    2332
  467.35 2332.82   467.4    2333  475.41    2333  478.13    2333  478.72    2333
   478.8    2333  480.66    2333  494.19    2333  512.16    2333  527.26 2332.89
  527.57 2332.89  527.89 2332.89  545.23 2332.92   545.8 2332.92  553.64 2332.95
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  561.26    2333  561.33    2333  561.37    2333  570.22 2333.07   570.7 2333.08
  597.47 2333.31  600.95 2333.34   602.1 2333.35  608.33 2333.42  618.11 2333.55
  622.48  2333.6  642.35 2333.99  642.54 2333.99   642.7 2333.99  642.84 2333.97
  642.93    2334  646.77  2334.8  647.08 2334.83  647.25 2334.83

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  177.22    .027  445.28    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        177.22  445.28           259.76   243.1  272.64             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2324.20    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.01    Wt. n-Val.                           0.027     0.035
  W.S. Elev (ft)           2323.19    Reach Len. (ft)          259.76     243.10    272.64
  Crit W.S. (ft)           2323.19    Flow Area (sq ft)                   457.53     42.30
  E.G. Slope (ft/ft)      0.008910    Area (sq ft)                        457.53     42.30
  Q Total (cfs)            4013.00    Flow (cfs)                         3723.37    289.63
  Top Width (ft)            250.27    Top Width (ft)                      232.36     17.91
  Vel Total (ft/s)            8.03    Avg. Vel. (ft/s)                      8.14      6.85
  Max Chl Dpth (ft)           3.21    Hydr. Depth (ft)                      1.97      2.36
  Conv. Total (cfs)        42512.8    Conv. (cfs)                        39444.5    3068.2
  Length Wtd. (ft)          244.26    Wetted Per. (ft)                    233.35     18.94
  Min Ch El (ft)           2319.98    Shear (lb/sq ft)                      1.09      1.24
  Alpha                       1.01    Stream Power (lb/ft s)    647.25      0.00      0.00
  Frctn Loss (ft)             2.15    Cum Volume (acre-ft)        1.20     40.81      1.10
  C & E Loss (ft)             0.03    Cum SA (acres)              2.00     17.85      1.95


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 5124

INPUT
Description:
Station Elevation Data    num=     266
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2333.58    6.21    2334    8.82 2334.09   11.18 2334.13   13.51 2334.09
   18.14 2334.26   25.66 2334.18   28.76 2334.11   32.51 2334.01    32.7    2334
    36.2 2333.82   41.06 2333.57   52.36    2333   58.09  2332.7   69.83    2332
   72.82 2331.83   79.74  2331.4   85.95    2331  104.99 2330.43  121.42    2330
  124.63 2329.94  155.11    2329  155.14 2328.95  156.07    2328  156.09 2327.98
  156.86 2327.18  157.04    2327  157.05 2326.99  158.07    2326  158.11 2325.96
   159.1    2325  159.18 2324.91  160.23    2324  160.51 2323.72  161.23    2323
  161.57 2322.67  162.31    2322  162.75 2321.51  163.28    2321  163.83 2320.45
  164.23    2320  164.83 2319.56  165.65    2319  168.56 2318.54  170.36 2318.27
  172.42    2318  176.34 2317.86  193.86 2317.21  199.91 2317.03  200.06 2317.03
  200.18 2317.02  201.05    2317  201.42    2317  201.66    2317  201.94 2316.99
  203.21 2316.97  208.65 2316.89  208.91 2316.89  209.18 2316.89  212.16 2316.84
  221.79 2316.64  248.86    2316   249.3 2315.99     250 2315.99  250.49 2315.99
  251.54 2315.99  251.87    2316  252.36 2316.18  255.88    2317   263.8 2317.46
  264.73 2317.47  269.24 2317.55  275.78 2317.68     277  2317.7  278.08 2317.72
   283.5 2317.69  285.84    2318  286.54 2318.35  287.53    2319  288.34 2319.43
  289.05    2320  289.48 2320.24  290.76    2321  291.19 2321.24  292.48    2322
  293.14 2322.82   293.4    2323  293.79  2323.4  294.59    2324   295.6 2324.93
  295.69    2325  296.04 2325.44  296.71    2326  297.28 2326.54  297.8    2327
  303.18  2327.3  304.08 2327.34  304.89 2327.38  311.76  2327.5  318.32 2327.71
  319.99 2327.74  321.34 2327.76  327.78 2327.83  328.25 2327.84   329.1 2327.85
  329.38 2327.85  336.89 2327.91  337.04 2327.91  337.17 2327.91   337.7 2327.92
  338.12 2327.93  338.43 2327.93  340.02 2327.92  343.09 2327.87  360.31    2328
  373.26 2328.03  374.76    2328  376.26 2328.01  377.92    2328  378.03    2328
  378.04 2327.97  378.48    2327  378.94 2326.03  378.96    2326  379.41 2325.04
  379.43    2325  379.46 2324.89  379.92    2324  380.26 2323.16   380.4    2323
  380.41 2322.95  380.87    2322   380.9 2321.94  381.47    2321  381.56 2320.82
  382.05    2320  382.96 2319.08  383.27 2319.03   383.6 2319.01  383.64    2319
  383.68    2319  384.36 2318.85  385.33 2318.59  387.32    2318  388.45 2317.99
  405.96 2317.57  414.81 2317.44  427.18 2317.67  429.36 2317.61  432.96 2317.45
  433.48 2317.46  434.73    2317  438.47 2316.22  440.65 2316.22     448 2316.33
  448.44  2316.3  457.58 2316.23  466.42 2316.29   468.8 2316.32  471.48 2316.37
  483.82  2316.5  485.58 2316.52  494.19 2316.63  494.65 2316.63     495 2316.63
  495.37 2316.63  495.92 2316.64   497.9 2316.66     500 2316.69  530.19 2317.96
  564.79 2319.33   568.3 2319.32   571.8 2319.32  577.98 2319.36  580.82 2319.39
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  584.11 2319.42  607.29 2319.51  616.62 2319.72  618.29 2319.75  619.82 2319.75
  621.42 2319.74  622.76 2319.77  624.22 2319.81  628.98  2319.7   629.8 2319.73
  633.07 2319.83  634.01 2319.84  634.03 2319.84  634.68 2319.82  635.61 2319.77
  636.78 2319.77  637.12 2319.75  638.42 2319.74  639.48 2319.68  640.61 2319.66
  641.38  2319.6  642.18 2319.57  648.28    2319   650.9 2318.47  651.64 2318.31
  652.72    2318  653.06    2318  654.28 2317.99  654.73    2318  655.16    2318
  657.16 2318.44  657.48 2318.53  659.14    2319  660.06 2319.31  662.42    2320
  663.56 2320.63  664.34    2321   665.1 2321.37  666.09    2322  667.35 2322.77
  667.77    2323  667.94 2323.09  669.53    2324   670.4 2324.45  671.36    2325
  672.62 2325.67  673.21    2326  674.84 2326.86  675.09    2327   676.6 2327.79
   676.9 2327.96  676.97    2328  677.09 2328.04  680.15    2329  681.04 2329.15
     686    2330  691.14 2330.21  691.66 2330.23   704.7    2331   712.5 2331.45
  713.88 2331.47  715.41  2331.5   716.6 2331.53  717.69 2331.55  718.03 2331.55
  723.28    2332  732.61 2332.93  733.31    2333  734.03 2333.07  742.28    2334
  742.82 2334.05  751.89    2335  756.46 2335.46  762.89    2336  772.58 2336.81
  775.91    2337  776.55    2337  777.33 2337.02   777.7 2337.02  779.09 2337.04
  779.23 2337.04  779.42 2337.04  787.13 2337.27  792.88 2337.28  798.91 2337.24
  803.13 2337.12  803.53 2337.13  803.98 2337.13   807.2    2337  814.63  2336.6
  818.78 2336.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  176.34    .027  653.06    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        176.34  653.06           237.06  191.78  209.09             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2319.89    Element                Left OB    Channel   Right OB
  Vel Head (ft)               0.89    Wt. n-Val.               0.035      0.027      0.035
  W.S. Elev (ft)           2319.00    Reach Len. (ft)         237.06     191.78     209.09
  Crit W.S. (ft)           2319.00    Flow Area (sq ft)         7.67     521.90       4.20
  E.G. Slope (ft/ft)      0.008734    Area (sq ft)              7.67     521.90       4.20
  Q Total (cfs)            4013.00    Flow (cfs)               24.30    3975.85      12.84
  Top Width (ft)            305.30    Top Width (ft)           10.66     288.58       6.06
  Vel Total (ft/s)             7.52    Avg. Vel. (ft/s)         3.17       7.62       3.06
  Max Chl Dpth (ft)            3.01    Hydr. Depth (ft)         0.72       1.81       0.69
  Conv. Total (cfs)        42940.5    Conv. (cfs)             260.0    42543.0      137.4
  Length Wtd. (ft)          191.94    Wetted Per. (ft)         10.74     289.52       6.19
  Min Ch El (ft)           2315.99    Shear (lb/sq ft)         0.39       0.98       0.37
  Alpha                        1.02    Stream Power (lb/ft s)  818.78       0.00       0.00
  Frctn Loss (ft)              1.70    Cum Volume (acre-ft)     1.18      38.08       0.95
  C & E Loss (ft)              0.00    Cum SA (acres)           1.97      16.39       1.87


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 4932

INPUT
Description:
Station Elevation Data    num=     282
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2324.33    7.28 2324.61    9.93 2324.71    13.8 2324.88   15.47    2325
   28.45 2325.54   31.86 2325.63   33.79 2325.69   35.19 2325.73   40.05 2325.81
   43.92 2325.89   49.13 2325.93    55.5 2325.95   56.22 2325.96   63.14 2325.94
   63.99 2325.95   64.32 2325.94   64.67 2325.94   72.14 2325.91   72.49  2325.9
   88.79  2325.8   93.03 2325.76  115.24 2325.64  141.42 2325.41  143.44 2325.38
  145.73 2325.33  158.72    2325  170.06 2324.71  177.64 2324.68  184.68 2324.66
  188.08 2324.66  188.93 2324.66  190.21 2324.66   193.6 2324.65  197.26 2324.63
  211.85 2324.62  217.56 2324.54  223.04 2324.48   227.3 2324.46     230 2324.42
  233.51 2324.35  248.33    2324  248.38    2324  248.39    2324  251.18 2323.42
  251.77 2323.27     252 2323.19  252.34    2323  252.53 2322.89  254.03    2322
  254.83  2321.5  255.71    2321  256.73 2320.39  257.44    2320  258.36 2319.48
  259.02 2319.11  259.22    2319  259.92 2318.58  260.92    2318  262.47 2317.35
  263.24    2317  264.83  2316.4  265.92    2316  266.53 2315.74  268.53    2315
  270.69 2314.26  271.11 2314.25   278.3  2314.2  282.31 2314.02  282.94 2314.02
  286.48 2314.01   286.9 2314.01  287.13 2314.01   287.5 2314.01  289.22    2314
   290.2 2313.99  290.71 2313.97  290.83 2313.97  291.18 2313.96  292.42 2313.89
  292.59 2313.88  292.83 2313.87   299.6 2313.53  300.27 2313.49  301.18 2313.44
  303.68 2313.28  304.93 2313.23  305.79 2313.17  311.34    2313  322.24    2313
  327.26    2313  329.55    2313  332.48    2313  332.85    2313  334.09    2313
  336.06    2313  343.61    2313  353.84    2313  354.15    2313  355.75    2313
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  358.28    2313  361.13    2313  363.05    2313  363.08    2313  363.09    2313
  363.85 2313.29  365.95    2314  366.92 2314.41  368.66    2315  370.37 2315.94
  370.45    2316  370.46 2316.02  370.97    2317  371.05 2317.13   371.5    2318
  371.62 2318.24  372.11    2319  372.24 2319.24  372.73    2320   373.2 2320.74
  373.36    2321  373.59 2321.63  373.82    2322  374.16 2322.63   374.4    2323
  374.92 2323.76  375.18    2324  379.98    2324  380.87    2324  384.55    2324
  385.77    2324  387.09    2324   387.5 2323.69  388.48    2323  389.43 2322.22
  389.63    2322   390.6 2321.26  391.04    2321  391.56 2320.69  392.96    2320
  394.15 2319.43  394.97    2319  397.11 2318.04   397.2    2318  397.63  2317.8
  399.35    2317  399.69 2316.84  401.35    2316  401.85  2315.8  403.47    2315
  409.31 2314.39  415.12    2314  416.08 2313.72  418.75    2313  419.48    2313
  419.63    2313  419.75    2313  421.72 2312.99  421.86 2312.99  423.37 2312.99
  423.44 2312.99  425.33 2312.99  425.86 2312.99   428.1 2312.99  430.97 2312.99
  432.57    2313  435.75    2313  440.17  2313.1  440.46 2313.11  444.72 2313.21
  456.05 2313.48  457.27 2313.48  467.12 2313.67  481.22 2313.99  481.85 2313.99
  484.78    2314   486.5 2314.21  486.96 2314.22  487.54 2314.24  489.02 2314.26
  489.92 2314.28   492.5 2314.35  497.06 2314.49  503.15 2314.73  511.44    2315
  516.43 2315.47  517.44 2315.45   525.4 2315.56  532.14 2315.53  537.03 2315.46
  538.78 2315.42  541.39 2315.39   550.8 2315.17  551.31 2315.16  555.93 2315.05
  556.43 2315.04  556.59 2315.04  556.73 2315.04  558.83    2315  559.61 2314.97
  561.82 2314.92  563.77 2314.89  563.89 2314.88     564 2314.88  565.97 2314.84
  566.07 2314.85  567.84 2314.79  569.15 2314.72  577.87 2314.93  578.41 2314.93
  582.38 2314.96  584.01 2314.97  588.76    2315  589.63 2315.21  593.01    2316
  594.51 2316.39  594.98 2316.51  597.03    2317   600.1 2317.81  600.35 2317.88
  600.49 2317.91  600.93    2318  601.16 2318.04  602.85 2318.32  606.05    2319
  609.26 2319.42  611.68 2319.74  614.13    2320  615.07 2320.05  615.27 2320.06
   615.3 2320.06  618.28 2320.37  619.39 2320.38  619.61 2320.41  620.62 2320.44
  620.91 2320.45  621.67 2320.52  626.57 2320.63  628.08 2320.79  629.91    2321
  629.97    2321  632.73  2321.4  636.89    2322  637.45 2322.07  637.92 2322.13
  641.37 2322.58  644.77    2323  647.77 2323.22  651.34 2323.43  658.79 2323.84
  659.92 2323.91  660.27 2323.93  661.94    2324  662.55    2324  663.36 2324.01
  663.85 2324.01  664.25 2324.01  665.39 2324.01  665.61 2324.01  666.53 2324.01
  667.59 2324.02   670.2 2324.02  671.52 2324.02  674.27 2324.02  675.59 2324.02
  678.99 2324.02  683.15 2324.08  689.33    2324  706.48 2323.71   711.5  2323.6
  713.04 2323.57  714.46 2323.56   724.4 2323.37  726.41 2323.39  727.89 2323.37
  734.73 2323.42  741.29 2323.43  749.22 2323.51   751.3 2323.54   767.3 2323.62
  768.79 2323.63  801.76 2323.99

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  259.02    .027  609.26    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        259.02  609.26           148.59  183.34  226.28             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2316.77    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.90    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2315.86    Reach Len. (ft)          148.59     183.34     226.28
  Crit W.S. (ft)           2315.86    Flow Area (sq ft)                   525.94
  E.G. Slope (ft/ft)      0.008938    Area (sq ft)                        525.94
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            294.72    Top Width (ft)                      294.72
  Vel Total (ft/s)             7.63    Avg. Vel. (ft/s)                      7.63
  Max Chl Dpth (ft)            2.87    Hydr. Depth (ft)                      1.78
  Conv. Total (cfs)        42447.2    Conv. (cfs)                        42447.2
  Length Wtd. (ft)          183.47    Wetted Per. (ft)                    296.15
  Min Ch El (ft)           2312.99    Shear (lb/sq ft)                      0.99
  Alpha                        1.00    Stream Power (lb/ft s)    801.76       0.00       0.00
  Frctn Loss (ft)              1.65    Cum Volume (acre-ft)        1.16      35.77       0.94
  C & E Loss (ft)              0.02    Cum SA (acres)              1.94      15.11       1.86


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 4748

INPUT
Description:
Station Elevation Data    num=     195
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0  2322.88   15.92  2322.94   16.68  2322.95   16.86  2322.95   17.07  2322.96
    17.3  2322.96   17.71  2322.96   20.99  2322.96   21.22  2322.97   21.44  2322.97
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   21.65 2322.96    24.7 2322.96    25.3 2322.95   45.31 2322.86   47.86 2322.85
   70.34  2322.8   78.55 2322.78   83.16 2322.75   87.12 2322.72   91.47 2322.72
   95.83 2322.73   96.39 2322.73   98.22 2322.72  101.39  2322.7  115.27 2322.65
  124.07 2322.61  125.72  2322.6  127.53 2322.58   129.8 2322.54  146.18 2322.53
   162.7 2322.02  162.74 2322.02  162.77 2322.02  163.15    2322  163.57    2322
  163.82    2322  166.46 2321.99  172.11 2321.97  180.79 2321.97  180.95 2321.97
  181.89 2321.96  182.72 2321.97  182.73 2321.97  182.75 2321.97  185.03 2321.92
   186.1 2321.86  196.91 2321.03  202.24 2321.02  202.65 2321.01  211.05    2321
  211.13    2321  211.14    2321  211.15    2321  211.31    2321  212.03    2321
  216.81 2320.68  220.47 2320.44  221.15 2320.38  221.49 2320.33  221.73 2320.27
  222.02 2320.22  222.61    2320   223.6 2319.53  224.88    2319  227.33 2318.21
  228.02 2318.13  229.81 2318.03  230.16    2318     231 2317.93   231.2 2317.91
  232.33 2317.78  233.16 2317.67   235.8 2317.19  236.23 2317.11  236.67    2317
  240.52  2316.4  242.22    2316  242.83 2315.82  244.38 2315.43  245.95    2315
  248.63 2314.31  249.52 2314.07  249.77    2314  249.98 2313.95  253.66    2313
  255.35 2312.63   257.9    2312  260.26 2311.48  262.46    2311  267.79 2310.18
  268.52 2310.18  269.77 2310.22  269.83 2310.22  269.89 2310.22   271.3 2310.28
  278.46 2310.31  281.51  2310.4  290.03 2310.64  294.04 2310.72  308.85 2310.85
  320.76 2310.99  322.23 2310.99  325.31    2311  330.31 2311.03   341.2 2311.08
  343.74 2311.07  359.65    2311  360.46 2310.97   360.5 2310.97  372.24 2310.58
  375.14 2310.54  377.68 2310.51  381.07 2310.53   393.3 2310.57  411.84  2310.8
  418.99 2310.98  419.52    2311  419.77 2311.06  421.88 2311.58  423.64    2312
  426.67 2312.86  427.14    2313  430.16    2313     434    2313  434.08    2313
  435.34    2313  435.61    2313  435.78 2312.99  455.15 2312.79  470.65 2312.72
  474.95 2312.71  476.34 2312.71  477.88 2312.69  517.28 2311.75  536.03 2311.34
  541.76 2311.09  542.55 2311.04  542.88 2311.04  544.01 2311.02  544.57 2311.03
  544.71 2311.03  544.86 2311.02  547.57    2311  550.09 2310.66  550.76 2310.65
  558.79 2310.45  564.02 2310.42  565.67  2310.5  568.11 2310.63   570.8 2310.83
  571.27 2310.84  571.79 2310.86  571.97 2310.87  572.18 2310.88  572.43  2310.9
  573.08    2311  573.19 2311.09  574.44    2312   575.6 2312.83  575.84    2313
  575.86 2313.01  577.33    2314  578.07 2314.48  578.79    2315  579.82 2315.75
   580.2    2316  580.52 2316.22  581.66    2317  582.39  2317.5  583.09    2318
  583.83  2318.5  584.52    2319  588.81 2319.01  589.87 2319.01  591.34 2319.01
  593.58 2319.01  594.84 2319.02  596.45 2319.02  602.44 2319.12  615.48  2319.3
  634.34 2319.05  634.76 2319.05  638.75    2319  643.81 2318.94  664.07 2318.75
   685.6 2318.57  695.07 2318.48  699.11 2318.44  701.96 2318.42  705.12 2318.38
  718.12 2318.28  737.59    2318  739.47 2317.98  740.01 2317.98  744.61 2317.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  216.81    .027  571.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        216.81  571.97           155.93  226.05  265.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2313.92    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.85    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2313.07    Reach Len. (ft)          155.93     226.05    265.04
  Crit W.S. (ft)           2313.07    Flow Area (sq ft)                   538.15      5.31
  E.G. Slope (ft/ft)      0.009044    Area (sq ft)                        538.15      5.31
  Q Total (cfs)            4013.00    Flow (cfs)                         3989.62     23.38
  Top Width (ft)            322.55    Top Width (ft)                      318.57      3.98
  Vel Total (ft/s)             7.38    Avg. Vel. (ft/s)                     7.41      4.41
  Max Chl Dpth (ft)            2.89    Hydr. Depth (ft)                     1.69      1.33
  Conv. Total (cfs)        42197.5    Conv. (cfs)                        41951.7     245.8
  Length Wtd. (ft)          226.16    Wetted Per. (ft)                    319.21      4.65
  Min Ch El (ft)           2310.18    Shear (lb/sq ft)                      0.95      0.64
  Alpha                        1.00    Stream Power (lb/ft s)    744.61      0.00      0.00
  Frctn Loss (ft)              2.03    Cum Volume (acre-ft)        1.16      33.53      0.93
  C & E Loss (ft)              0.01    Cum SA (acres)              1.94      13.82      1.85


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 4522

INPUT
Description:
Station Elevation Data    num=     186
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2320.83   15.48 2320.86   19.18 2320.88   19.57 2320.88   20.02 2320.88
   43.23 2320.86   45.14 2320.85   45.96 2320.85   46.98 2320.84   48.68 2320.83
   50.08 2320.81   51.74 2320.79   53.87 2320.75   61.07 2320.64   75.98 2320.37
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    93.4 2320.18   96.97 2320.13  107.45    2320  111.48 2319.95  114.65 2319.92
  132.58 2319.69  135.03 2319.66  137.85 2319.62  141.19 2319.57  145.14 2319.51
  154.54 2319.35  167.79 2319.15  169.72 2319.11  173.25 2319.01  174.37 2319.01
  175.99    2319  176.15    2319  176.23 2318.97  178.62    2318  179.88 2317.36
  180.69    2317  181.97 2316.34  182.69    2316  183.38  2315.7  184.86    2315
  186.08 2314.35  186.88    2314  188.12 2313.33  188.88    2313  190.18 2312.27
   190.7    2312  191.13 2311.76  193.02    2311  193.74 2310.83  194.96 2310.54
  197.22    2310  200.16 2309.28  201.17    2309  203.12 2308.67  204.16 2308.66
  205.24 2308.67  207.12 2308.71  207.81 2308.72  208.85 2308.73  210.16 2308.74
  211.67 2308.74  234.19 2308.36  242.99 2308.29  253.49 2308.26  255.14 2308.27
  262.15 2308.27  263.52 2308.27  267.72 2308.27  273.14  2308.3  280.47 2308.36
  292.92  2308.3  294.97 2308.37  296.16  2308.4  299.45 2308.38  302.42 2308.38
  309.16 2308.59  311.04 2308.61  311.49 2308.62  311.88 2308.63  313.45 2308.66
  316.66 2308.53  325.72    2308   326.2    2308  331.76 2307.32  334.25    2307
  334.74    2307  334.92    2307  335.72    2307  337.38    2307  337.54    2307
  337.56    2307  337.73    2307   340.9 2307.04  345.47 2307.04  345.84 2307.03
  346.08 2307.03  351.28 2307.01  353.54    2307  355.66    2307  355.77    2307
  355.81    2307  356.02    2307   362.7 2306.97  366.67 2306.97  377.32 2306.95
  379.38 2306.95   392.2    2307  392.39    2307  392.53    2307  398.03 2307.01
  399.12 2307.01  402.09    2307  403.23    2307  410.57 2306.96  418.66 2306.92
  419.94 2306.92  420.62 2306.92   422.8 2306.93  430.86 2306.97  436.32    2307
  442.72 2307.04  443.03 2307.04  444.04 2307.03     446 2307.02  450.38    2307
  450.56    2307  450.82    2307  454.83    2307  455.75    2307  456.15    2307
  457.74    2307  459.24 2307.08  459.49  2307.1  461.78 2307.25  462.85 2307.33
  466.36 2307.59  470.24 2307.87  470.38 2307.88   470.5 2307.89  472.11    2308
   472.5 2308.12  477.65    2309  479.23 2309.58  479.99    2310  480.91 2310.51
  482.04    2311  482.51 2311.37  482.89 2311.67  483.23    2312  484.16 2312.77
  484.42    2313  484.67 2313.22  485.72    2314  486.65 2314.68     487    2315
  488.34 2315.95  488.86    2316   489.4    2316   489.5    2316  489.95    2316
  490.48    2316  492.01    2316  492.24    2316  492.39    2316  492.94    2316
  493.95 2315.92  494.78 2315.97  494.98 2315.98   495.5 2315.98  496.04 2315.98
   497.9 2315.96  568.62 2315.37  601.79 2315.03  605.19    2315  621.89 2314.81
  623.17  2314.8  650.99 2314.51  653.09 2314.49  655.42 2314.48     680 2314.39
  697.93 2314.27  709.14 2314.15  719.49 2314.01  721.91    2314   724.7 2313.97
  725.49 2313.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  193.74    .027  482.51    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        193.74  482.51           320.48  325.63  340.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2310.50    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.94    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2309.56    Reach Len. (ft)          320.48     325.63     340.99
  Crit W.S. (ft)           2309.56    Flow Area (sq ft)                   515.74
  E.G. Slope (ft/ft)      0.008879    Area (sq ft)                        515.74
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            280.19    Top Width (ft)                      280.19
  Vel Total (ft/s)             7.78    Avg. Vel. (ft/s)                    7.78
  Max Chl Dpth (ft)            2.64    Hydr. Depth (ft)                    1.84
  Conv. Total (cfs)        42588.1    Conv. (cfs)                       42588.1
  Length Wtd. (ft)          325.63    Wetted Per. (ft)                    280.61
  Min Ch El (ft)           2306.92    Shear (lb/sq ft)                      1.02
  Alpha                        1.00    Stream Power (lb/ft s)    725.49       0.00       0.00
  Frctn Loss (ft)              2.75    Cum Volume (acre-ft)        1.16      30.80       0.91
  C & E Loss (ft)              0.03    Cum SA (acres)              1.94      12.26       1.84


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 4197

INPUT
Description:
Station Elevation Data    num=     167
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2315.14    1.06 2315.13    7.29 2315.04    9.73    2315   53.03 2314.24
   72.17    2314   78.03 2313.93   94.53  2313.7  138.17 2313.13  145.66    2313
  174.03 2312.37  193.88 2312.03  195.68    2312  195.71    2312  198.91 2311.73
  199.01 2311.73  208.67 2311.45  221.45 2311.04  222.34 2311.01  222.84    2311
  223.88 2310.73  226.94    2310   227.7 2309.79  231.07    2309  231.84  2308.8
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  235.23    2308  238.29 2307.19  239.12    2307  241.82 2306.54  244.15    2306
  247.68 2305.33  249.25    2305  271.23 2304.25  272.86 2304.18  273.31 2304.17
  273.73 2304.16  273.81 2304.16   277.6    2304  277.96    2304  308.74  2303.1
  311.45 2303.02  311.84 2303.01  311.99 2303.01  312.11    2303  312.17    2303
  312.19    2303  312.21    2303  312.23    2303  317.28 2302.98  317.39 2302.98
  317.71 2302.98  317.72 2302.98  318.11 2302.98  319.47 2302.97  320.18 2302.97
   327.3 2302.67  330.07  2302.6  331.49 2302.58  333.96 2302.52  334.93 2302.51
  342.96 2302.36   347.5 2302.29  350.58 2302.28  353.73 2302.27  355.28 2302.27
  363.59 2302.23  364.62 2302.22  364.67 2302.22  374.52 2302.18  375.91 2302.17
  377.38 2302.17  378.81 2302.17  381.47 2302.17  384.34 2302.18  386.38 2302.18
  399.49 2302.23  425.16    2303  429.47 2303.21  429.68 2303.32   435.2 2304.19
  435.27 2304.29  435.43  2304.5  435.51  2304.6     439 2305.15  440.45 2305.38
  449.38 2307.77   449.6 2307.75  449.68 2307.72  450.26    2308  450.28 2308.02
  452.44    2309  452.68 2309.13   454.5    2310  454.73    2310  465.26 2310.01
  467.05 2310.01  479.27    2310  480.96 2309.93  481.08 2309.94  482.57 2309.95
  483.65 2309.95  484.06 2309.95  490.81 2309.89  492.53 2309.85  500.28 2309.79
  501.21 2309.77  504.25 2309.73  510.08 2309.64  511.65 2309.63  527.56 2309.47
  531.97 2309.45  534.94 2309.42   538.3 2309.38  556.65 2309.04  559.03    2309
  568.06 2308.61   578.1    2308  579.13 2307.58  580.11 2307.23  580.33 2307.15
  580.84    2307  581.14  2306.9  581.21 2306.88  581.82 2306.75  584.71 2306.12
  585.25    2306  587.65 2305.48  588.73 2305.25  589.22 2305.18  589.72 2305.16
  589.91 2305.14  590.27 2305.21   590.5  2305.2  590.75 2305.26   591.3 2305.45
  592.45    2306  594.17 2306.89  594.37    2307  594.51 2307.07  596.32    2308
  598.22 2308.82  599.76    2309  602.96 2309.31  605.82 2309.64  606.87 2309.75
  607.31 2309.81   609.1    2310  611.17    2310  612.63    2310  613.94 2309.91
  615.58 2309.81  622.91 2309.39  623.97 2309.34  625.22 2309.34  625.78 2309.31
  626.22 2309.27  634.36 2309.48   635.8 2309.43  636.83 2309.39  647.58 2309.26
  659.62 2309.02  662.03    2309   664.5 2308.96  670.21 2308.88  675.07 2308.82
  683.35 2308.73  686.31 2308.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  222.34    .027     439    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        222.34     439           277.01  228.98  257.87             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2306.65    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.20    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2305.45    Reach Len. (ft)          277.01     228.98    257.87
  Crit W.S. (ft)           2305.45    Flow Area (sq ft)                   456.63      0.96
  E.G. Slope (ft/ft)      0.008051    Area (sq ft)                        456.63      0.96
  Q Total (cfs)            4013.00    Flow (cfs)                         4011.84      1.16
  Top Width (ft)            197.21    Top Width (ft)                      191.96      5.24
  Vel Total (ft/s)             8.77    Avg. Vel. (ft/s)                      8.79      1.21
  Max Chl Dpth (ft)            3.28    Hydr. Depth (ft)                      2.38      0.18
  Conv. Total (cfs)        44723.6    Conv. (cfs)                        44710.7      13.0
  Length Wtd. (ft)          228.98    Wetted Per. (ft)                    192.41      5.35
  Min Ch El (ft)           2302.17    Shear (lb/sq ft)                      1.19      0.09
  Alpha                       1.00    Stream Power (lb/ft s)    686.31      0.00      0.00
  Frctn Loss (ft)             1.87    Cum Volume (acre-ft)        1.16      27.16      0.91
  C & E Loss (ft)             0.02    Cum SA (acres)              1.94      10.50      1.82


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3968

INPUT
Description:
Station Elevation Data    num=     155
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2314.44    8.26    2314   17.69 2313.53   24.83 2313.16   26.55 2313.08
   26.72 2313.07   27.91    2313   29.01 2312.95   48.43    2312   66.93 2311.05
    67.9    2311   68.34 2310.98   87.39    2310   99.94  2309.5  108.13 2309.18
  112.46    2309  127.36 2308.15  129.83 2308.02  129.98 2308.01  130.18    2308
  130.75 2307.99   131.3    2308  131.54    2308  131.79    2308  150.72 2308.83
  153.17 2308.82  155.83  2308.8  156.48  2308.8   157.1  2308.8  159.16  2308.8
   162.7 2308.75  166.55 2308.73  174.71  2308.6  177.73 2308.58  180.89 2308.56
  184.66 2308.51  227.55    2308  232.77 2307.89  233.05 2307.88  234.01 2307.86
  234.93 2307.85  237.23  2307.8  241.56 2307.71  241.95  2307.7  244.48 2307.65
  248.13 2307.57  258.52 2307.34  263.71    2307   264.9 2306.29  264.93 2306.27
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  265.27    2306  266.38 2305.25  266.68    2305  267.86 2304.21  268.11    2304
  268.63 2303.66  269.62    2303  270.35 2302.51  271.13    2302  272.13 2301.46
  272.75    2301  273.16    2301  273.39    2301  274.92  2301.1  275.65 2301.14
  276.25  2301.1  278.14    2301  281.34  2300.5  284.47    2300  286.14 2299.94
  292.02 2299.71  309.89    2299  314.18 2298.99  315.81 2298.99  318.31    2299
   319.5    2299  321.98    2299  322.97    2299  327.73    2299  327.86    2299
  328.34    2299   330.7    2299  331.45    2299  332.34    2299  333.15    2299
  333.98    2299   343.9    2299  345.29    2299  349.63    2299  350.96    2299
  352.04    2299  352.23    2299  352.63    2299  371.09 2298.79  372.96 2298.78
  374.44 2298.77  391.64 2298.73  408.14 2298.74  410.29 2298.73  418.69 2298.69
  424.52 2298.99  430.81    2299  485.19 2301.69  493.96 2302.09  494.09  2302.1
  494.25 2302.11  494.33 2302.12  494.49 2302.13  494.64 2302.14  495.29 2302.18
  496.77 2302.23  497.89  2302.3   498.2 2302.32  498.57 2302.35  500.36 2302.42
  501.71 2302.49  504.75    2303  509.93 2303.98  509.99    2304  510.03 2304.02
  511.17 2304.58  511.78  2304.9     512    2305   512.1 2305.04  513.98    2306
  517.01 2306.01   518.5 2306.01  522.27 2306.01  525.73 2306.01  532.89    2306
  537.48 2305.96  539.83 2305.93  554.15 2305.77     573 2305.54  591.55 2305.34
  592.35 2305.33  600.25 2305.25  602.63 2305.22  604.54  2305.2  607.71 2305.18
  614.12 2305.13  616.16 2305.12  621.66  2305.1  631.13 2305.07     637 2305.03
  640.75    2305  641.08    2305  642.95 2304.98  643.43 2304.98  643.52 2304.98
   652.7 2304.88  655.18 2304.85  673.51 2304.64  676.54 2304.61  677.15 2304.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   264.9    .027  494.64    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         264.9  494.64           220.71   230.4   246.6             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2302.77    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.12    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2301.65    Reach Len. (ft)          220.71     230.40     246.60
  Crit W.S. (ft)           2301.65    Flow Area (sq ft)                   471.73
  E.G. Slope (ft/ft)      0.008274    Area (sq ft)                        471.73
  Q Total (cfs)            4013.00    Flow (cfs)                         4013.00
  Top Width (ft)            212.57    Top Width (ft)                      212.57
  Vel Total (ft/s)             8.51    Avg. Vel. (ft/s)                     8.51
  Max Chl Dpth (ft)            2.96    Hydr. Depth (ft)                     2.22
  Conv. Total (cfs)        44117.1    Conv. (cfs)                        44117.1
  Length Wtd. (ft)          230.40    Wetted Per. (ft)                    212.95
  Min Ch El (ft)           2298.69    Shear (lb/sq ft)                     1.14
  Alpha                       1.00    Stream Power (lb/ft s)    677.15       0.00       0.00
  Frctn Loss (ft)             1.87    Cum Volume (acre-ft)        1.16      24.72       0.91
  C & E Loss (ft)             0.02    Cum SA (acres)              1.94       9.44       1.80


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3737

INPUT
Description:
Station Elevation Data    num=     204
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2323.44    1.77 2323.18    2.96    2323    4.76 2322.74    9.57    2322
   15.53  2321.1   16.22    2321   16.45 2320.97   23.32    2320   31.01 2319.05
   31.45    2319    34.9 2318.58   39.35    2318   42.78 2317.56    47.1    2317
   49.55  2316.7   54.89    2316   59.56 2315.43   62.48    2315   63.51 2314.89
   70.69    2314   77.67 2313.18   79.18    2313   87.78 2312.11   88.73    2312
   90.42 2311.81   93.66 2311.52   98.62    2311  105.66 2310.42  109.77 2310.08
  110.49 2310.02  110.71    2310  110.82 2309.99  110.97 2309.98  112.24 2309.88
  123.17    2309  127.21 2308.68   135.3 2308.01   135.5    2308  135.69 2307.99
  147.86    2307   152.5  2306.7  162.05    2306  176.08 2305.29  183.64    2305
  186.17 2304.98  188.54 2304.98  188.88 2304.97  189.22 2304.97  206.63 2304.65
   219.5 2304.52  219.64 2304.54  220.19 2304.49  220.32  2304.5   220.5 2304.51
  220.77 2304.52  221.59  2304.5  221.95 2304.51  222.89  2304.5   223.3  2304.5
  224.28 2304.47  224.68 2304.47  225.03 2304.46  228.21 2304.31  229.11 2304.23
  230.29 2304.11  231.15    2304  231.35 2303.93   233.5    2303  234.49 2302.93
  234.73 2302.91   235.3 2302.95  235.74 2302.97  236.08    2303  236.99 2303.37
  238.81    2304  239.64 2304.44  240.94  2304.4  242.55 2304.31  243.33 2304.08
  243.34 2304.08  243.36 2304.08  243.79    2304  244.82 2303.99  245.99 2303.98
   246.3 2303.98  246.53 2303.98  247.78 2303.84  250.87 2303.54  252.17 2303.47
  252.48 2303.46  252.88 2303.46  253.86  2303.4  254.41  2303.4  254.97  2303.4
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  255.75 2303.34  256.28 2303.36  256.84 2303.31  257.25 2303.32  259.47 2303.23
  260.77 2303.19  268.97 2303.15  272.74 2303.13  283.14 2303.01  284.34 2303.01
   285.3 2303.01  285.49 2303.01  285.71 2303.01  287.15    2303  288.63 2302.26
  289.12    2302  289.14 2301.98  290.96    2301  291.06 2300.92  292.73    2300
  292.94 2299.86  294.48    2299  294.75 2298.81  296.18    2298  296.52 2297.76
  297.85    2297   298.3 2296.72  299.51    2296  313.21  2295.9   321.1 2295.68
  331.89 2295.56  334.13 2295.57  336.23 2295.59  338.63 2295.61  340.92 2295.63
   366.1 2295.75  368.52 2295.76  370.48 2295.78  376.63 2295.76     385 2295.71
  385.64 2295.69  386.46 2295.69  388.76 2295.65  389.97 2295.62   391.4 2295.59
  392.95 2295.57  394.31 2295.54  397.27 2295.49  399.26 2295.45  403.04 2295.38
  408.82  2295.3  409.82 2295.28  410.86 2295.26  411.64 2295.25   412.1 2295.24
  416.25 2295.16  420.42 2295.15  424.49 2295.16  432.95 2295.17  441.23 2295.18
   444.7 2295.27  444.73 2295.27  453.84 2295.64  461.07 2295.49  461.13 2295.52
   461.2 2295.54  461.55 2295.65  462.18 2295.66  462.54 2295.73  462.71  2295.8
  462.88    2296  463.61 2296.95  463.64    2297  463.78 2297.25  464.26  2297.8
  464.47    2298  464.53 2298.06  465.49    2299  465.84  2299.3  466.63    2300
  467.38 2300.65  467.72    2301   468.6 2301.81   468.8    2302  468.96 2302.01
  469.28 2302.01  469.52 2302.01  469.63 2302.01  469.72 2302.02  469.83 2302.02
  469.92 2302.02  472.95 2302.02  485.95 2302.49  492.02 2302.62  515.29 2302.42
  530.18 2302.37  549.97 2302.09  550.01 2302.09  551.82 2302.07  558.42    2302
  571.97 2301.89  575.85 2301.86  580.13 2301.82  616.47  2301.6  626.67 2301.48
  628.05 2301.47  633.39 2301.43  651.14 2301.33  657.21 2301.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  268.97    .027  469.72    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        268.97  469.72             257.8  251.56  255.24             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2299.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               1.31    Wt. n-Val.                            0.027
  W.S. Elev (ft)           2298.19    Reach Len. (ft)           257.80     251.56     255.24
  Crit W.S. (ft)           2298.19    Flow Area (sq ft)                    436.88
  E.G. Slope (ft/ft)      0.007954    Area (sq ft)                         436.88
  Q Total (cfs)            4013.00    Flow (cfs)                          4013.00
  Top Width (ft)            168.83    Top Width (ft)                       168.83
  Vel Total (ft/s)            9.19    Avg. Vel. (ft/s)                       9.19
  Max Chl Dpth (ft)           3.04    Hydr. Depth (ft)                       2.59
  Conv. Total (cfs)        44995.1    Conv. (cfs)                         44995.1
  Length Wtd. (ft)          251.57    Wetted Per. (ft)                     170.65
  Min Ch El (ft)           2295.15    Shear (lb/sq ft)                       1.27
  Alpha                       1.00    Stream Power (lb/ft s)    657.21       0.00       0.00
  Frctn Loss (ft)             2.08    Cum Volume (acre-ft)        1.16      22.32       0.91
  C & E Loss (ft)             0.08    Cum SA (acres)              1.94       8.43       1.80


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3486

INPUT
Description:
Station Elevation Data    num=     221
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2311.43    1.12 2311.53     6.2    2312    9.38 2312.34   10.79 2312.48
   13.74 2312.75   15.46 2312.91   16.02 2312.96   16.05 2312.96   16.56    2313
   20.22 2313.27   30.13    2314   32.48  2314.1   34.57 2314.16   36.43  2314.2
   41.55 2314.23   42.46 2314.22    45.8 2314.22   49.06 2314.15   53.09 2314.04
   53.77    2314   55.53 2313.86   66.71    2313   73.37 2312.44   75.63 2312.24
   77.02 2312.12   77.33  2312.1   77.52 2312.08   78.11    2312   84.75 2311.21
   86.84    2311   87.96 2310.86   95.73    2310  102.06 2309.22  103.88    2309
  110.26 2308.26  112.49    2308  121.25 2307.04  121.59    2307   121.7 2306.99
  130.13    2306  130.91 2305.91  138.07    2305  147.04 2304.11  147.94    2304
  149.28 2303.84   157.2    2303  164.95  2302.2  167.13    2302  173.88 2301.46
  180.85    2301  190.37 2300.34  191.16 2300.27  192.59 2300.17  195.35    2300
  197.82 2299.88  198.16 2299.88  206.14 2299.63   210.7  2299.5  211.89  2299.5
  231.67 2299.02  232.48 2299.02  232.59 2299.02   232.6 2299.02  233.81 2299.02
  236.61 2299.02  236.79 2299.02  237.98 2299.02  238.49 2299.01  239.83 2299.01
  244.36 2299.01     245 2299.01  246.14 2299.01  248.88 2299.01  249.59 2299.01
  250.47 2299.01  260.48    2299  261.14 2298.99  261.41 2298.99  261.44 2298.99
  261.49 2298.98  261.66 2298.98  267.38 2298.86  269.46 2298.77  279.21 2298.35
   285.1 2298.08  285.93 2298.04  286.21 2298.03  286.85    2298  286.92    2298
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   287.2 2297.95  289.29 2297.03  289.32 2297.01  289.35    2297  289.53 2296.97
  289.57 2296.96  291.51 2296.15  291.74 2296.08  291.89    2296  291.95    2296
  292.01 2295.99  292.19 2295.98  292.92 2295.71  293.44 2295.59  293.77 2295.54
  293.95 2295.53  294.05 2295.47  294.35 2295.52  294.48 2295.48  294.76 2295.48
  295.32 2295.38   295.5 2295.35  295.62 2295.33  296.09 2295.18   296.5    2295
  296.93 2294.93  297.07 2294.88  298.36 2294.57   298.6 2294.52  299.73 2294.21
  299.93 2294.17  300.21 2294.11  300.55    2294  302.98 2293.32  303.86    2293
  304.81 2292.67  305.09 2292.56   305.3 2292.45  305.93    2292  306.37    2292
  307.73    2292  308.75    2292  309.26    2292  310.42    2292  312.26    2292
  314.09    2292  314.41    2292   314.6    2292  317.19    2292  318.06    2292
  318.22    2292  318.94    2292  319.11    2292   319.2    2292   348.3 2291.62
  350.89 2291.59  366.04 2291.47  373.73 2291.42  376.36  2291.4  395.49 2291.63
  396.71 2291.66   399.1 2291.69  402.57 2291.76  405.63 2291.79  405.74 2291.79
     410 2291.81  413.98 2291.85  418.47 2291.85     422 2291.84  424.37 2291.81
  427.69 2291.77  428.12 2291.76  430.62 2291.71  431.01 2291.71  432.47 2291.66
  443.54 2291.49  450.66 2291.42   451.8 2291.43  457.52 2291.45  463.08 2291.45
  465.35 2291.45  467.68 2291.44  472.71 2291.44  475.51 2291.43  477.69 2291.42
  479.92 2291.42  484.31 2291.39  486.82 2291.38  498.05  2291.4  508.74 2291.27
  525.94 2291.03  527.48    2291  528.67    2291  532.28 2290.99  533.63 2290.99
  535.09 2290.99  537.84    2291  538.26    2291  538.74    2291  539.29    2291
  539.63 2291.29   540.1    2292  540.59 2292.84  540.67    2293  541.08 2293.49
  541.33    2294  541.56 2294.48  541.78    2295  542.36 2295.74  542.49    2296
  542.99 2296.79  543.14    2297  543.63 2297.19   548.3 2297.12  569.08 2297.44
  579.88 2297.54  592.42 2297.47  594.06 2297.45  616.36 2297.24     624 2297.18
  628.22 2297.15  632.49 2297.12  635.36  2297.1  654.37 2297.01  654.42 2297.01
  656.37    2297  659.71 2296.98  660.51 2296.97     680 2296.82  680.58 2296.82
  683.42  2296.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   295.5    .027  537.84    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         295.5  537.84           269.22  268.71   263.4             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2294.66    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.05    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2293.62    Reach Len. (ft)          269.22     268.71    263.40
  Crit W.S. (ft)           2293.62    Flow Area (sq ft)                   483.73      6.35
  E.G. Slope (ft/ft)      0.008608    Area (sq ft)                        483.73      6.35
  Q Total (cfs)            4013.00    Flow (cfs)                         3982.30     30.70
  Top Width (ft)            239.22    Top Width (ft)                      235.91      3.30
  Vel Total (ft/s)             8.19    Avg. Vel. (ft/s)                     8.23      4.83
  Max Chl Dpth (ft)            2.63    Hydr. Depth (ft)                     2.05      1.92
  Conv. Total (cfs)        43253.8    Conv. (cfs)                        42923.0     330.9
  Length Wtd. (ft)          268.69    Wetted Per. (ft)                    236.27      4.68
  Min Ch El (ft)           2290.99    Shear (lb/sq ft)                      1.10      0.73
  Alpha                       1.01    Stream Power (lb/ft s)    683.42      0.00      0.00
  Frctn Loss (ft)             1.61    Cum Volume (acre-ft)        1.16     19.66      0.89
  C & E Loss (ft)             0.10    Cum SA (acres)              1.94      7.26      1.79


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3217

INPUT
Description:
Station Elevation Data    num=     173
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2297.98     .26    2298    5.38 2298.53    9.82    2299   18.18 2299.85
   19.67    2300   22.78  2300.3   27.76    2301   28.78 2301.15    34.9    2302
   35.98 2302.55   38.14    2303   38.66 2303.44   39.91    2304   40.89  2304.4
   42.29    2305   45.85 2305.96   46.03    2306   46.31    2306   46.64    2306
   47.16 2305.95   48.76 2305.96   57.61 2305.81    58.8 2305.79   66.19 2305.93
   69.21    2306   72.32 2306.24   73.16 2306.28   74.36 2306.33   75.76 2306.36
   78.04 2306.41   81.05 2306.48   87.59 2306.69   90.46 2306.77   90.56 2306.77
   92.88  2306.7  102.15 2306.09  102.23 2306.09  103.32    2306  104.27 2305.81
  109.04    2305  113.55  2304.5  117.61    2304  121.98 2303.73  124.66 2303.58
  135.89    2303  138.07 2302.68   141.8    2302  144.78 2301.64  149.36    2301
  155.07 2300.25  157.22    2300  161.45 2299.43  165.43    2299  168.74 2298.66
  176.56    2298  181.31 2297.63  188.38    2297  196.95 2296.27  200.71    2296
  208.43 2295.62  219.44 2295.12  221.73    2295  223.13 2294.93  245.96    2294
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  255.86 2293.61  256.66 2293.59  257.44 2293.57  260.42 2293.41  267.11 2293.03
  267.51    2293  267.55 2292.98   269.3    2292   269.7 2291.76  270.95    2291
  271.97 2290.37  272.81    2290  273.53 2289.56  274.53    2289  278.27 2288.91
   288.8 2288.64  320.04 2288.07  322.28 2288.03  322.91 2288.02  323.83    2288
   329.5 2287.93  335.06 2287.87  340.38 2287.82  351.16 2287.76  360.69 2287.73
  370.48 2287.74  374.18 2287.73  376.62 2287.72   382.2 2287.71  384.89  2287.7
  385.64  2287.7  388.36 2287.68  390.79 2287.65  392.33 2287.64  394.37 2287.62
  403.97 2287.43  424.24    2287  424.43    2287  425.71    2287  428.11    2287
  432.98 2287.01  436.97    2287  437.59    2287  439.21    2287  439.98    2287
   442.4    2287  443.27    2287  447.43    2287  447.95    2287  452.06    2287
  454.05 2287.03  458.98 2287.11  461.36 2287.15  487.57    2288  492.17 2288.31
  493.21 2288.37  493.66  2288.4  494.18 2288.43  494.76 2288.48  498.07 2288.75
  499.65 2288.87  501.46    2289   501.9 2289.08  509.51    2290  510.22  2290.3
  510.78 2290.59  511.54    2291  512.65 2291.84  513.02    2292  514.11 2292.79
  514.44    2293  514.78 2293.04  515.42 2293.09  516.56 2293.07  525.25 2293.28
  525.84  2293.3  526.52  2293.3  527.19  2293.3  527.54  2293.3  528.14 2293.32
  528.57 2293.32  530.66 2293.38  531.22 2293.38  533.57 2293.44  535.49  2293.5
  536.17 2293.49  555.23  2293.4  556.49 2293.39  558.28 2293.37  559.74 2293.36
   561.6 2293.33  566.38  2293.3  580.08 2293.17  585.33 2293.11  589.13 2293.06
  594.65    2293  610.03 2292.84  613.46 2292.81   645.2 2292.53  647.24 2292.52
  649.51 2292.51  654.32  2292.5   660.1 2292.46  662.94 2292.46  665.53 2292.45
     669 2292.46   679.1 2292.43  693.56 2292.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  278.27    .027  510.78    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        278.27  510.78           233.02  181.23  177.51             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2291.06    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.71    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2290.34    Reach Len. (ft)          233.02     181.23     177.51
  Crit W.S. (ft)                      Flow Area (sq ft)          6.79     587.68
  E.G. Slope (ft/ft)       0.004421   Area (sq ft)               6.79     587.68
  Q Total (cfs)            4013.00    Flow (cfs)                19.58    3993.42
  Top Width (ft)            238.27    Top Width (ft)             6.24     232.03
  Vel Total (ft/s)             6.75    Avg. Vel. (ft/s)          2.88       6.80
  Max Chl Dpth (ft)            3.34    Hydr. Depth (ft)          1.09       2.53
  Conv. Total (cfs)        60354.0    Conv. (cfs)              294.5    60059.5
  Length Wtd. (ft)          181.48    Wetted Per. (ft)           6.58     232.24
  Min Ch El (ft)           2287.00    Shear (lb/sq ft)           0.28       0.70
  Alpha                        1.01    Stream Power (lb/ft s)   693.56       0.00       0.00
  Frctn Loss (ft)              1.02    Cum Volume (acre-ft)       1.14      16.36       0.87
  C & E Loss (ft)              0.08    Cum SA (acres)             1.92       5.82       1.78


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3036

INPUT
Description:
Station Elevation Data    num=     121
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2293.13    5.12    2293   14.63 2292.79   15.34 2292.77   16.37 2292.73
   18.29 2292.67   19.33 2292.62   31.51    2292   40.47 2291.53   54.23 2291.07
   55.94    2291   66.29 2290.68   71.93 2290.47   83.22 2290.09   84.35 2290.04
   85.99    2290   95.68 2289.82   96.94 2289.81   104.6  2289.7  106.36 2289.69
  108.63 2289.67  110.42 2289.65  114.09 2289.64  116.08 2289.64  118.02 2289.64
  119.76 2289.65  123.77 2289.67  153.88 2289.53  158.44 2289.54  162.78 2289.53
  164.98 2289.52  167.59  2289.5   175.1 2289.42  175.45 2289.42  175.79 2289.42
  180.04 2289.38  184.86 2289.31  188.53  2289.3  191.05 2289.27  193.42 2289.26
  195.77 2289.26  201.46 2289.25  203.98 2289.24  205.99 2289.25  211.32  2289.2
  213.93 2289.23  217.02 2289.22  220.21 2289.21  220.37 2289.22  220.42 2289.22
  223.03 2289.22   229.5 2289.15  237.48    2289  237.62    2289   237.8 2288.96
  238.03 2288.89  239.76 2288.41  240.95    2288  242.19 2287.62   243.9    2287
  244.95 2286.66  245.48 2286.64  278.65 2285.37  296.83    2285  297.57    2285
  298.34    2285  301.97 2284.98  303.08 2284.99  303.99 2284.99  306.56    2285
  307.74    2285  308.57 2285.01  308.95    2285  309.87    2285  310.54    2285
   310.9 2284.99  311.43 2284.99  311.66 2284.99  317.05 2284.98  318.56 2284.97
  339.31 2284.92  349.99 2284.93   352.6 2284.92  355.33 2284.93  366.49    2285
     369 2285.89  369.55 2285.97  369.83    2286  373.39  2286.8  374.07 2286.95
  374.31    2287  374.35 2287.02  376.68    2288  376.72 2288.02  377.21 2288.21
  379.21    2289  380.26 2289.46  381.57    2290  383.81    2290  409.91 2290.01
  412.48 2290.01  420.53    2290  436.47    2290  436.76    2290  436.98    2290
  445.96  2290.1  446.01  2290.1  466.74    2290  471.49 2289.98  471.64 2289.98
  471.83 2289.98  478.03 2289.94  479.77 2289.94  523.12 2289.65  523.92 2289.66
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  539.94 2289.74   562.4 2289.92  562.62 2289.92  562.89 2289.92  573.62    2290
  574.43 2290.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  245.48    .027  377.21    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        245.48  377.21           251.94  251.59  260.05             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2289.96    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.52    Wt. n-Val.               0.035      0.027      0.035
  W.S. Elev (ft)           2288.44    Reach Len. (ft)         251.94     251.59     260.05
  Crit W.S. (ft)           2288.44    Flow Area (sq ft)         5.61     402.55       0.06
  E.G. Slope (ft/ft)      0.007368    Area (sq ft)              5.61     402.55       0.06
  Q Total (cfs)            4013.00    Flow (cfs)               19.31    3993.64       0.05
  Top Width (ft)            138.11    Top Width (ft)            5.81     131.73       0.57
  Vel Total (ft/s)            9.83    Avg. Vel. (ft/s)          3.44       9.92       0.81
  Max Chl Dpth (ft)           3.52    Hydr. Depth (ft)          0.96       3.06       0.11
  Conv. Total (cfs)        46750.9    Conv. (cfs)              224.9    46525.4        0.6
  Length Wtd. (ft)          251.61    Wetted Per. (ft)          6.10     132.27       0.61
  Min Ch El (ft)           2284.92    Shear (lb/sq ft)          0.42       1.40       0.05
  Alpha                       1.01    Stream Power (lb/ft s)  574.43       0.00       0.00
  Frctn Loss (ft)             1.59    Cum Volume (acre-ft)      1.11      14.30       0.87
  C & E Loss (ft)             0.16    Cum SA (acres)            1.89       5.06       1.78


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 2784

INPUT
Description:
Station Elevation Data    num=     129
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2283.6   13.74 2283.63   15.89 2283.62   23.29  2283.6   33.29  2283.6
   48.45 2283.57   68.76 2283.54    70.4 2283.54   72.06 2283.55   75.13 2283.55
    77.1 2283.56   99.25 2283.64   105.8 2283.68  112.25 2283.73  119.67 2283.81
  126.74 2283.86  136.74    2284   171.7 2284.62  176.33 2284.69  181.74 2284.77
   187.6 2284.82  188.56 2284.84  189.46 2284.85  190.46 2284.85  196.15 2284.89
  202.51 2284.91  204.81 2284.93  218.81 2284.95  219.62 2284.95  226.63 2284.95
  235.85 2284.67  241.63 2284.61  242.83 2284.54  245.49 2284.49  246.98 2284.47
  249.59  2284.4  253.12    2284  255.39 2283.38  256.91    2283  260.45 2282.12
  260.91    2282  261.62  2281.9  267.27    2281  267.32    2281   269.5 2280.99
  270.39 2280.99  271.74    2281  273.05 2281.13  273.73 2281.13  274.88 2281.04
  274.91    2281  276.21    2281  276.68    2281  284.72 2280.99   291.3    2281
  294.18    2281  297.37    2281  300.84 2281.01  302.49    2281  306.24    2281
  311.43 2280.97  312.36 2280.96  316.26 2280.95  323.02 2280.98  325.04 2280.98
  327.72    2281  349.99 2281.54  352.78 2281.61   356.1 2281.69  358.43 2281.73
  360.17 2281.76  362.21 2281.79   368.3 2281.98  368.32 2281.98  368.89 2281.98
  369.92    2282  369.99    2282  370.53    2282  374.51 2282.04  374.52 2282.04
  376.86 2282.04  378.35 2282.04   380.2 2282.02  384.97 2282.13  387.12 2282.11
  387.25 2282.12  389.25 2282.14  389.54 2282.18  390.82  2282.2   391.7 2282.23
  392.56 2282.28  393.58 2282.36  394.54 2282.45  395.25 2282.55  395.64 2282.64
  396.48    2283   397.2 2283.48  397.41 2283.61  398.23    2284  399.24 2284.42
  400.37    2285  401.18 2285.42  402.58    2286  408.57    2286  411.02    2286
  414.26    2286     418    2286  421.61    2286  423.43    2286  424.27    2286
  424.86    2286  426.92    2286  440.32 2285.99  441.24 2285.98  458.65 2285.96
  466.07    2286  480.28  2286.1  480.93  2286.1  486.38 2286.15  491.27 2286.17
   508.8 2286.33  513.54 2286.36  517.71 2286.39   523.7 2286.39  529.83 2286.37
  530.47 2286.37  531.13 2286.37   531.8 2286.37  534.28 2286.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  245.49    .027   397.2    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        245.49   397.2           220.92  246.89  270.53             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2285.53    Element                 Left OB    Channel   Right OB
```

Vel Head (ft)	0.98	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2284.55	Reach Len. (ft)	220.92	246.89	270.53
Crit W.S. (ft)	2284.55	Flow Area (sq ft)	131.85	440.97	1.17
E.G. Slope (ft/ft)	0.005509	Area (sq ft)	131.85	440.97	1.17
Q Total (cfs)	4013.00	Flow (cfs)	352.46	3658.32	2.22
Top Width (ft)	324.31	Top Width (ft)	170.31	151.71	2.29
Vel Total (ft/s)	6.99	Avg. Vel. (ft/s)	2.67	8.30	1.89
Max Chl Dpth (ft)	3.60	Hydr. Depth (ft)	0.77	2.91	0.51
Conv. Total (cfs)	54066.0	Conv. (cfs)	4748.7	49287.5	29.9
Length Wtd. (ft)	246.13	Wetted Per. (ft)	171.27	152.36	2.53
Min Ch El (ft)	2280.95	Shear (lb/sq ft)	0.26	1.00	0.16
Alpha	1.30	Stream Power (lb/ft s)	534.28	0.00	0.00
Frctn Loss (ft)	1.29	Cum Volume (acre-ft)	0.71	11.86	0.86
C & E Loss (ft)	0.01	Cum SA (acres)	1.38	4.24	1.77

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 2537

INPUT
Description:
Station Elevation Data num= 95

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2282.42	9.34	2282.32	12.95	2282.29	16.56	2282.28	18.25	2282.26
19.8	2282.25	28.72	2282.24	36.13	2282.23	40.55	2282.21	45.58	2282.18
51.43	2282.13	58.37	2282.06	63.83	2282	73.37	2281.87	73.94	2281.87
74.5	2281.87	76.27	2281.85	77.98	2281.84	100.83	2281.86	104.78	2281.85
114.36	2281.84	122.84	2281.81	129.95	2281.78	137.66	2281.74	145.34	2281.69
160.61	2281.58	164.09	2281.56	172.64	2281.51	175.92	2281.5	183.92	2281.46
187.13	2281.46	191.67	2281.45	195.17	2281.46	196.58	2281.45	204.34	2281.47
210.28	2281.46	216.72	2281.43	229.69	2281.06	231.95	2281	232.93	2280.64
234.38	2280	235.96	2279.49	236.93	2279	263.03	2278.54	292.95	2278.09
303.77	2278	306.68	2277.4	306.71	2277.4	309.73	2277.42	312.64	2277.45
321.63	2277.61	330.61	2278	338.56	2278.4	338.81	2278.41	339.03	2278.41
339.24	2278.42	342.12	2278.55	342.3	2278.55	345.11	2278.66	345.21	2278.66
345.31	2278.67	351.22	2278.74	358.64	2278.84	363.7	2279	365.38	2279.94
365.58	2280	366.18	2280.23	367.99	2281	368.32	2281	368.91	2281
369.44	2281	385.96	2281.18	399.41	2281.26	417.26	2281.15	421.38	2281.13
428.41	2281.02	430.91	2281.01	431.91	2281.01	432.81	2281.01	434.75	2281
435.02	2281	435.21	2281	435.46	2281	440.44	2280.99	441.73	2280.98
444.58	2280.97	446.09	2280.97	447.09	2280.97	448.33	2280.96	449.44	2280.96
449.93	2280.96	456.36	2281	464.69	2281.06	464.7	2281.06	479.97	2281.21

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	229.69	.027	367.99	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
229.69	367.99	268.32	279.46	294.49	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2282.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.07	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2281.73	Reach Len. (ft)	268.32	279.46	294.49
Crit W.S. (ft)	2281.73	Flow Area (sq ft)	21.97	450.72	70.80
E.G. Slope (ft/ft)	0.004983	Area (sq ft)	21.97	450.72	70.80
Q Total (cfs)	4013.00	Flow (cfs)	25.57	3831.59	155.84
Top Width (ft)	341.07	Top Width (ft)	90.79	138.30	111.98
Vel Total (ft/s)	7.38	Avg. Vel. (ft/s)	1.16	8.50	2.20
Max Chl Dpth (ft)	4.33	Hydr. Depth (ft)	0.24	3.26	0.63
Conv. Total (cfs)	56847.0	Conv. (cfs)	362.2	54277.3	2207.5
Length Wtd. (ft)	279.87	Wetted Per. (ft)	90.80	139.25	112.51
Min Ch El (ft)	2277.40	Shear (lb/sq ft)	0.08	1.01	0.20
Alpha	1.27	Stream Power (lb/ft s)	479.97	0.00	0.00
Frctn Loss (ft)	1.71	Cum Volume (acre-ft)	0.32	9.33	0.64
C & E Loss (ft)	0.01	Cum SA (acres)	0.72	3.42	1.42

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

```
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 2258

INPUT
Description:
Station Elevation Data    num=     113
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2280.56   10.78    2280    22.6 2279.43   34.22 2279.07   35.12 2279.01
   35.72    2279   35.94 2278.99   36.19 2278.99   38.12 2278.93   71.48    2278
   73.87 2277.92   75.36 2277.88    84.6 2277.57   89.95 2277.49   102.4  2277.2
  105.89 2277.14  106.52 2277.14  111.41  2277.1   116.8 2277.05   120.9    2277
  134.92 2276.98  139.52 2276.98  145.75 2276.98  161.19    2277  164.81    2277
  165.04    2277  165.72    2277  167.49    2277  171.31 2277.02  183.36 2277.05
  184.23 2277.06  185.01 2277.07  186.06 2277.09  193.25 2277.14  194.72 2277.17
  195.27 2277.18  201.92 2277.25  202.81 2277.26  213.76 2277.16     219 2277.05
  222.22 2277.04  224.93 2277.03   225.8 2277.02  226.72 2277.02  230.31    2277
  230.84    2277  232.64 2276.47  233.99    2276  234.67 2275.76   236.6    2275
  237.37 2274.72   239.3    2274  246.95 2273.76  248.64 2273.75  259.41 2273.58
  266.47 2273.49   281.6 2273.44  292.77 2273.45  300.24 2273.41  301.04  2273.4
  310.71 2273.35  312.31 2273.35  314.82 2273.33  317.39 2273.32  330.07 2273.36
  332.09 2273.36  338.42 2273.31  346.06 2273.23  346.88 2273.21  347.34 2273.21
  348.04 2273.21  348.76 2273.22  358.82 2273.05   358.9 2273.05  360.77    2273
  362.66 2272.97   362.9 2272.96  363.09 2272.96  364.05 2272.94  366.56 2272.89
  400.08 2272.26  408.12 2272.03   409.1    2272  409.47 2271.99  409.52 2271.99
  409.57 2271.99  410.48    2272     411    2272  411.27 2272.82  411.28    2273
  411.36 2273.17  411.41    2274  411.47 2274.18  411.54    2275  412.22 2275.91
  412.76 2275.93  413.98 2275.94  416.15 2275.94  418.92 2275.93  421.69 2275.91
  424.51 2275.93  426.67 2275.93  431.42 2275.89  432.42 2275.88  437.41 2275.83
  439.23  2275.8     444 2275.75  446.73 2275.72  457.32 2275.58     460 2275.55
  468.41 2275.46  476.29 2275.41   481.1 2275.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  230.31    .027  408.12    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        230.31  408.12           185.55  193.08  230.62             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2276.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.22    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2275.76    Reach Len. (ft)          185.55     193.08    230.62
  Crit W.S. (ft)           2275.76    Flow Area (sq ft)                   440.39     20.79
  E.G. Slope (ft/ft)      0.007624    Area (sq ft)                        440.39     20.79
  Q Total (cfs)            4013.00    Flow (cfs)                         3933.30     79.71
  Top Width (ft)            215.76    Top Width (ft)                      173.46     42.30
  Vel Total (ft/s)             8.70   Avg. Vel. (ft/s)                      8.93      3.83
  Max Chl Dpth (ft)            3.77   Hydr. Depth (ft)                      2.54      0.49
  Conv. Total (cfs)        45959.3    Conv. (cfs)                        45046.5     912.8
  Length Wtd. (ft)          194.25    Wetted Per. (ft)                    173.80     45.59
  Min Ch El (ft)           2272.03    Shear (lb/sq ft)                      1.21      0.22
  Alpha                       1.04    Stream Power (lb/ft s)    481.10      0.00      0.00
  Frctn Loss (ft)             1.35    Cum Volume (acre-ft)        0.25      6.48      0.33
  C & E Loss (ft)             0.06    Cum SA (acres)              0.44      2.42      0.89


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 2065

INPUT
```

```
Description:
Station Elevation Data    num=      90
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2286.06     .45    2286    6.65 2285.17    8.02    2285   14.84 2284.12
   15.88    2284   18.72 2283.58   22.42    2283   29.67 2282.18   31.21    2282
   32.67 2281.85    40.9    2281   42.74 2280.85   51.79    2280    53.9 2279.81
   61.59    2279   66.98 2278.53   71.76    2278   78.22 2277.45   84.48    2277
   93.27 2276.39   98.83    2276  112.54 2275.03  112.92    2275  123.02 2274.84
  154.81 2274.35   163.3 2274.22  165.81 2274.19  167.71 2274.17  176.82    2274
  179.27 2273.13  179.61    2273  181.38 2272.32  182.14 2272.06  182.24 2272.03
   182.3 2272.01  182.33    2272   182.4 2271.99  187.77 2271.32  190.39    2271
  200.37 2270.71  202.58 2270.64  210.99 2270.48  216.12 2270.39  238.64    2270
  258.77  2269.6  270.11 2269.36  274.15 2269.44  280.64 2269.58   281.6 2269.63
   283.7 2269.54  287.32 2269.36  287.42 2269.35  290.24    2270  296.68  2270.1
  301.29 2270.14  310.41 2270.03  311.08 2270.03  313.49    2270  322.88 2269.79
  341.74 2269.34  348.79 2269.17  350.37 2269.14  351.48 2269.12  355.16 2269.06
  355.65 2269.05  356.03 2269.04  357.72 2269.08  358.37 2269.15  360.97    2270
  363.13  2270.9  363.46    2271  363.84 2271.13  366.84    2272  368.25 2272.01
  374.04 2272.03  380.12 2272.04  385.68 2272.02  386.48 2272.02  386.91 2272.02
  390.36    2272     398 2271.95   398.8 2271.95  399.02 2271.95   400.8 2271.94
  409.07 2271.93  416.43 2271.84  449.32 2271.53  453.54 2271.49   459.2 2271.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  187.77    .027  368.25    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        187.77  368.25           174.64  128.62   81.74             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2273.54    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.01    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2272.53    Reach Len. (ft)          174.64     128.62      81.74
  Crit W.S. (ft)           2272.53    Flow Area (sq ft)          5.13     464.93      64.62
  E.G. Slope (ft/ft)      0.006361    Area (sq ft)               5.13     464.93      64.62
  Q Total (cfs)            4013.00    Flow (cfs)                14.05    3826.09     172.85
  Top Width (ft)            278.36    Top Width (ft)             6.93     180.48      90.95
  Vel Total (ft/s)            7.51    Avg. Vel. (ft/s)           2.74       8.23       2.67
  Max Chl Dpth (ft)           3.49    Hydr. Depth (ft)           0.74       2.58       0.71
  Conv. Total (cfs)        50317.9    Conv. (cfs)              176.2    47974.4     2167.3
  Length Wtd. (ft)          127.67    Wetted Per. (ft)           7.07     181.09      92.02
  Min Ch El (ft)           2269.04    Shear (lb/sq ft)           0.29       1.02       0.28
  Alpha                       1.15    Stream Power (lb/ft s)   459.20       0.00       0.00
  Frctn Loss (ft)             0.88    Cum Volume (acre-ft)       0.24       4.47       0.11
  C & E Loss (ft)             0.03    Cum SA (acres)             0.42       1.63       0.54


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 1936

INPUT
Description:
Station Elevation Data    num=     151
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2285.33    2.11    2285    6.78 2284.35    8.46    2284   15.21 2283.09
   15.77    2283   16.26 2282.94   22.86    2282   28.28 2281.37   30.71    2281
   38.74  2280.1   39.37    2280   42.42 2279.64   47.82    2279   50.03 2278.78
   57.05    2278   65.06 2277.23   67.19    2277   68.33  2276.9   79.55    2276
   90.17 2275.17    92.2    2275   96.63 2274.65   97.55 2274.58  106.89    2274
  120.72 2273.43  130.05    2273  136.73 2272.76  138.41 2272.72   140.7 2272.69
  142.86 2272.63  144.75 2272.58   148.2 2272.57  152.39 2272.49  154.58 2272.45
  156.95 2272.41  174.76 2272.12  181.13 2272.01  181.42 2272.01  181.95 2272.01
  192.32    2272  194.21    2272   195.1    2272  200.32    2272  201.66    2272
  202.58    2272  203.15 2271.42  203.55    2271  204.36 2270.17  204.54    2270
  204.87 2269.65  205.56 2269.02  205.57    2269   206.6 2268.03  206.63    2268
  206.74 2267.93  206.75 2267.93  206.77 2267.92  206.81 2267.92  217.58 2267.76
  225.45 2267.68  226.16 2267.71  226.48 2267.72   230.7 2267.91  232.72    2268
  234.99 2268.01  235.73 2268.02   238.7 2268.03  240.81 2268.03  241.76 2268.02
   243.4 2268.02  246.31 2268.06  246.46 2268.06  247.95    2268  248.41    2268
  248.46    2268   250.7    2268  251.18    2268  252.31    2268  252.68    2268
  255.04 2268.01  256.32 2268.01  259.24 2268.01  261.57 2268.01  266.75    2268
  270.27 2267.89   271.2 2267.87   274.5 2267.96  275.24 2267.85  275.32 2267.85
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  275.39 2267.84  275.44 2267.85  275.47 2267.86  275.84    2268  276.47    2268
  276.95    2268  298.27 2268.01  298.87 2268.01  309.88 2268.01   313.6    2268
  319.64    2268  322.92    2268  322.98    2268  323.01    2268  323.19    2268
  334.56    2268  337.51    2268  342.14    2268  346.66    2268  352.69    2268
  353.78 2268.35  355.82    2269  358.13 2269.91  358.44    2270  361.24 2270.95
  361.45    2271   362.9 2271.01  363.12 2271.01  363.32 2271.01  363.55 2271.01
  363.96 2271.01   365.5 2271.02  367.03 2271.02   373.8 2271.05  387.86 2271.17
  408.81 2271.17  412.04 2271.12  413.06 2271.11  425.47    2271   425.5    2271
  425.63    2271  425.71    2271  426.11    2271   428.1    2271  433.13 2270.96
  445.53 2270.93   449.7 2270.88  454.06 2270.86  466.92 2270.76  467.15 2270.76
   467.3 2270.76  467.42 2270.76  471.01 2270.73  471.13 2270.73  477.92 2270.66
  484.07 2270.66   490.5 2270.69  496.55 2270.75  496.69 2270.75  496.95 2270.76
  504.66 2270.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   195.1    .027   365.5    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         195.1   365.5           297.04  303.42  249.93             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2272.15    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.33    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2270.82    Reach Len. (ft)          297.04     303.42    249.93
  Crit W.S. (ft)           2270.82    Flow Area (sq ft)                   432.80      4.09
  E.G. Slope (ft/ft)      0.007446    Area (sq ft)                        432.80      4.09
  Q Total (cfs)            4013.00    Flow (cfs)                         4009.88      3.13
  Top Width (ft)            199.96    Top Width (ft)                      157.13     42.83
  Vel Total (ft/s)            9.19    Avg. Vel. (ft/s)                      9.26      0.76
  Max Chl Dpth (ft)           3.14    Hydr. Depth (ft)                      2.75      0.10
  Conv. Total (cfs)        46505.3    Conv. (cfs)                        46469.1      36.2
  Length Wtd. (ft)          303.22    Wetted Per. (ft)                    158.83     42.84
  Min Ch El (ft)           2267.68    Shear (lb/sq ft)                      1.27      0.04
  Alpha                       1.02    Stream Power (lb/ft s)    504.66      0.00      0.00
  Frctn Loss (ft)             1.97    Cum Volume (acre-ft)        0.23      3.14      0.04
  C & E Loss (ft)             0.10    Cum SA (acres)              0.41      1.14      0.42


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 1633

INPUT
Description:
Station Elevation Data    num=     144
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2268.77    14.1 2268.07   15.39    2268   16.04 2267.98   16.13 2267.98
    42.4    2267   48.12 2266.95   50.08 2266.94   51.83 2266.95   63.14 2266.94
   82.43    2267   91.89 2267.23    95.5 2267.35  112.21    2268   119.4 2268.89
  119.45 2268.89  119.49 2268.89  120.19 2268.85  122.18  2268.7   127.7    2268
   134.9 2267.46  137.15 2267.28  141.05    2267  141.08    2267  141.09    2267
  149.66 2266.87  149.93 2266.87  160.14  2266.4  170.92 2266.42  178.43 2266.34
  179.09 2266.33  180.54  2266.3  182.11 2266.26  182.46 2266.25  189.09    2266
  190.64 2265.96  191.01 2265.95  191.27 2265.96  191.76 2265.97  192.32 2265.99
  192.52    2266  192.56    2266  193.55 2266.14  193.56 2266.14  194.85 2266.33
  199.36    2267  200.15 2267.05  200.21 2267.05  200.28 2267.06  200.53 2267.08
  200.61 2267.09  202.31 2267.22  206.41 2267.58  207.98 2267.26  208.38 2267.15
  209.31 2267.12  209.78  2267.1  210.41 2267.07  211.87    2267   215.5 2266.03
  215.62    2266  216.67 2265.72  218.98    2265  219.48 2264.83   219.6 2264.81
  219.71 2264.81  219.81 2264.82  223.82 2264.24  223.96 2264.25  224.04 2264.25
  227.21    2264  229.23 2263.04  229.35    2263  229.59 2262.99  230.53 2262.99
     233 2262.97  234.67 2262.98  236.25 2262.98  236.87 2262.98  237.66 2262.98
  238.35    2263  241.26 2263.21   251.1    2264  260.33 2264.24  264.07 2264.31
  267.27 2264.35  268.05 2264.36  272.82 2264.42   276.8 2264.47  278.94 2264.48
  283.01 2264.51  297.62 2264.65  299.17 2264.65  300.75 2264.65  302.61 2264.64
  303.43 2264.63  305.57 2264.61  322.19 2264.72  322.22 2264.72  325.72 2264.66
  331.39 2264.54  332.25 2264.51  333.25 2264.51  334.33 2264.46  335.72 2264.41
  337.41 2264.37  337.94 2264.35  340.18 2264.31  348.45 2264.17   351.5 2264.15
  354.21 2264.15  357.39 2264.08  360.56 2264.06  362.53 2264.12  363.29 2264.21
  364.03    2265   365.5 2265.91  365.64    2266  365.76 2266.06  366.15 2266.37
  366.96    2267  371.25 2267.12  374.98 2267.17  378.29 2267.22  390.92 2267.29
  394.07 2267.31  399.22 2267.33  404.83 2267.34  413.57 2267.39  419.45 2267.39
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  425.49 2267.39  427.29 2267.39  437.92 2267.36  439.42 2267.36  458.56 2267.26
  468.75 2267.24  474.36 2267.23  480.82 2267.23  483.63 2267.23  484.39 2267.23
  498.13 2267.27     499 2267.26  502.04 2267.24  504.01 2267.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  193.56    .027  366.15    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        193.56  366.15          1676.59 1632.82 1689.16             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2268.35    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.00    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2267.35    Reach Len. (ft)            0.00       0.00      0.00
  Crit W.S. (ft)           2267.35    Flow Area (sq ft)         67.10     469.87     10.07
  E.G. Slope (ft/ft)      0.005706    Area (sq ft)              67.10     469.87     10.07
  Q Total (cfs)            4013.00    Flow (cfs)               163.62    3842.45      6.93
  Top Width (ft)            390.84    Top Width (ft)           119.64     168.81    102.40
  Vel Total (ft/s)            7.34    Avg. Vel. (ft/s)           2.44       8.18      0.69
  Max Chl Dpth (ft)           4.38    Hydr. Depth (ft)           0.56       2.78      0.10
  Conv. Total (cfs)        53124.6    Conv. (cfs)              2166.0    50866.8      91.8
  Length Wtd. (ft)            0.00    Wetted Per. (ft)         119.69     170.31    102.71
  Min Ch El (ft)           2262.97    Shear (lb/sq ft)           0.20       0.98      0.03
  Alpha                       1.19    Stream Power (lb/ft s)   504.01       0.00      0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)
  C & E Loss (ft)             0.01    Cum SA (acres)


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreek         RS: 6844

INPUT
Description:
Station Elevation Data    num=     227
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
  358.36    2295  360.39 2295.12  361.39 2295.17  366.22 2295.47  369.28 2295.64
  375.07    2296  375.59 2296.03  375.63 2296.03  375.67 2296.04  375.98 2296.06
  376.17 2296.07  376.42 2296.08  388.47 2296.83  394.84    2297  408.91 2297.41
  411.18 2297.34  414.22 2297.22   418.5    2297  424.67 2296.74  426.93 2296.63
  428.15 2296.55  428.93 2296.47  432.96    2296  438.74 2295.31  441.37    2295
  447.95 2294.26  450.11    2294  458.06 2293.17  459.44    2293  468.27    2292
   468.3    2292  468.78 2291.94  471.55 2291.56  474.01 2291.23  474.52 2291.16
  475.64    2291  476.19 2290.92  482.84    2290  485.88  2289.6   490.3    2289
  495.77 2288.32  498.37    2288  501.42 2287.64  506.96    2287  510.58 2286.64
  512.13  2286.5  517.61    2286  525.03 2285.36  530.02    2285  531.95 2284.69
  532.77 2284.57  536.33    2284  539.48 2283.75  541.52 2283.41  542.33 2283.29
   545.2    2283   552.6 2282.43  554.91 2282.27  558.76 2282.02  559.02    2282
  560.27 2281.98  560.61 2281.97  561.53 2281.95  561.92 2281.96  563.45    2282
  564.99 2282.07  565.64 2282.07   565.8 2282.08   566.3 2282.08  566.33 2282.08
  567.02 2282.08   567.1 2282.08  567.84 2282.08  568.04 2282.08  570.63 2282.07
  573.51 2282.06  573.71 2282.05  573.86 2282.05  574.66 2282.03  574.86 2282.03
  575.68    2282  575.73    2282  575.77    2282   575.8    2282  577.25  2281.7
  580.88 2281.01  580.94    2281  581.01    2281  581.08 2280.98  581.57 2280.83
  581.92 2280.71  584.58    2280  593.48 2279.06  593.97    2279  594.01    2279
  594.24 2278.98  603.09 2278.46  613.08    2278  614.21    2278  618.31    2278
  626.87    2278  638.08    2278  645.45    2278  647.57    2278  650.81    2278
  656.37    2278   664.8    2278  665.05    2278   665.5    2278  665.51    2278
  668.52 2277.45  669.12 2277.47  669.13 2277.47  671.26 2277.49  672.71 2277.49
  676.12    2277   677.7 2276.34  678.54    2276  679.43  2275.6  679.54 2275.58
  679.69 2275.56  680.55 2275.52  683.43 2275.34  684.73  2275.3  685.82 2275.29
  686.76 2275.43  687.64 2275.32   687.9 2275.34  688.65  2275.3  689.19 2275.24
  689.87 2275.12  690.18    2275  690.48    2275  694.22    2275  696.22    2275
  698.37    2275   700.2    2275   702.6    2275  706.34    2275  709.38    2275
  709.87    2275     710    2275  710.16    2275  710.64    2275  716.95    2275
   719.5 2275.53  722.08    2276  724.17  2276.4   727.6 2276.98  727.68    2277
  729.57 2277.38  732.63    2278  732.88    2278  733.09    2278  733.81    2278
  741.99 2278.01  742.09 2278.01  743.27 2278.01  743.48 2278.01  743.65 2278.01
  744.37 2278.01  744.83 2278.01  748.14    2278  756.83 2278.01   767.4 2278.01
  779.96    2278  780.36    2278  781.33    2278  784.69    2278  786.78    2278
  790.21 2278.01  793.73    2278  793.96    2278  796.62 2278.01  802.25 2278.01
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  809.45    2278  810.14    2278  813.74    2278  819.49 2277.98  820.85 2277.98
  826.57    2278  827.96    2278  828.16    2278  828.63 2278.02  853.56    2279
  854.48 2278.91  861.14 2278.24  867.15 2278.19  869.64 2278.04  871.85 2278.04
   871.9 2278.04  871.94 2278.04  871.98 2278.03  872.01 2278.04  873.79 2278.06
  874.77 2278.08  875.68 2278.06  877.25 2278.06  881.02 2278.06  883.77 2278.04
  883.78 2278.04  888.29 2278.01  889.91 2278.02  929.47 2278.49  966.98 2278.99
  967.73 2278.99  970.13    2279  970.33    2279  970.52    2279  970.56    2279
  973.42    2279  975.49    2279  975.66    2279   975.7    2279  975.71    2279
  998.15 2279.35 1007.35 2279.57 1022.98 2279.99 1024.78 2279.99 1027.39 2279.99
 1030.87 2279.99  1030.9 2279.99 1030.92 2279.99 1030.96    2280 1055.99 2280.41
 1091.41    2281 1095.67 2281.07

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
  358.36    .035  512.13    .027  854.48    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        512.13  854.48           881.37  858.67  856.69             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2281.67    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.19    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2280.48    Reach Len. (ft)          881.37     858.67    856.69
  Crit W.S. (ft)           2280.48    Flow Area (sq ft)                   776.38    308.42
  E.G. Slope (ft/ft)      0.007136    Area (sq ft)                        776.38    308.42
  Q Total (cfs)            8701.00    Flow (cfs)                         7252.47   1448.53
  Top Width (ft)            477.45    Top Width (ft)                      271.70    205.75
  Vel Total (ft/s)            8.02    Avg. Vel. (ft/s)                      9.34      4.70
  Max Chl Dpth (ft)           5.48    Hydr. Depth (ft)                      2.86      1.50
  Conv. Total (cfs)       102998.6    Conv. (cfs)                        85851.5   17147.1
  Length Wtd. (ft)          858.46    Wetted Per. (ft)                    272.59    205.81
  Min Ch El (ft)           2275.00    Shear (lb/sq ft)                      1.27      0.67
  Alpha                       1.19    Stream Power (lb/ft s)   1095.67      0.00      0.00
  Frctn Loss (ft)             6.11    Cum Volume (acre-ft)       14.99     53.41      6.21
  C & E Loss (ft)             0.08    Cum SA (acres)              6.95     17.50      3.19


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreek         RS: 5985

INPUT
Description:
Station Elevation Data    num=     168
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
  521.29 2275.21  527.56    2276   533.1 2276.61  536.79    2277  540.92 2277.49
  545.59    2278  549.58 2278.54  553.67    2279  560.92 2279.98  561.12    2280
  561.17    2280  563.95 2280.14   566.4 2280.25  573.11 2280.51  574.17 2280.56
  576.86 2280.67  578.55 2280.72   579.1 2280.68  581.08    2280  582.86 2279.41
  584.61    2279  585.36 2278.85  588.89 2278.16  590.69    2278  591.41    2278
  591.61    2278  595.93 2277.99  597.46 2277.99  598.17 2277.98  598.98 2277.98
  599.26 2277.98     600 2277.98  600.09 2277.98  600.12 2277.98  603.83    2278
  605.34 2278.93  605.37 2278.94  605.54    2279  605.57 2279.09  605.59 2279.14
  605.63 2279.15  605.67 2279.16  606.11 2279.04  607.14 2279.11  607.66 2279.11
  608.52    2279  610.83  2278.4  612.05    2278  615.48 2277.22  616.26    2277
  616.95 2276.81  618.08  2276.7   621.9    2276  627.99 2275.04  628.23    2275
  631.69 2274.43  634.19    2274  635.62 2273.78  639.79 2273.09  640.31    2273
  646.68 2272.08   647.2    2272  654.12 2271.02  654.27    2271  654.42 2270.98
  661.13    2270  667.68 2269.08  668.23    2269  668.74 2268.93  675.31    2268
  676.46 2267.83  683.62    2267  688.91 2266.55  697.03    2266  701.78 2265.43
  708.36    2265  712.47 2264.13  713.27    2264  713.82 2263.91  714.03 2263.91
  717.26 2263.98  720.88 2263.96   722.4 2263.95  723.11 2263.95  729.18    2264
  738.69 2264.42  739.08 2264.43  743.52 2264.49  747.36 2264.51  747.76  2264.5
  755.59    2264  758.22 2263.99  759.31 2263.99  762.91    2264  762.95    2264
  763.16    2264  763.33    2264  769.39 2264.43  772.13 2264.56  772.68 2264.55
  773.99 2264.57  776.86 2264.49  779.34 2264.49  780.21 2264.48   781.7 2264.51
  782.63 2264.49  788.49 2264.46  793.81 2264.45  796.08 2264.49  829.82 2264.89
  831.83 2264.92  832.67 2264.93  833.37 2264.94  833.93 2264.95  840.09    2265
  840.68    2265  841.17    2265  842.24 2265.01  843.59 2265.01  845.26    2265
   847.1 2264.93  847.95 2264.87  852.25 2264.58  858.42 2264.17  860.93    2264
  862.12    2264  862.43    2264   862.9    2264   864.9    2264  866.71    2264
  871.26 2270.59  872.44 2270.36  873.89 2269.57  877.46 2269.14  884.52 2273.51
  885.11 2273.41  885.64 2273.49  890.15    2275  894.92    2275  895.27    2275
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   895.3    2275  895.33    2275  906.62 2275.13  915.68 2275.23  922.81 2275.31
  928.56 2275.38  933.31 2275.44  936.97 2275.47   941.4 2275.53  950.88 2275.67
  967.96 2275.95  970.36    2276  970.95    2276  986.75 2276.25  997.18 2276.42
 1004.69 2276.53 1018.23 2276.75 1022.16 2276.79 1025.07 2276.82 1030.54    2277
 1030.56 2277.01 1030.57 2277.01 1032.52 2277.01 1036.91 2277.02 1040.54 2277.03
 1045.54 2277.05 1047.78 2277.05 1063.04 2277.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
  521.29    .035  585.36    .027  858.42    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        585.36  858.42           633.62  615.42  613.71             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2270.76    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.98    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2268.78    Reach Len. (ft)          633.62     615.42    613.71
  Crit W.S. (ft)           2268.78    Flow Area (sq ft)                   729.27     47.34
  E.G. Slope (ft/ft)      0.007105    Area (sq ft)                        729.27     47.34
  Q Total (cfs)            8701.00    Flow (cfs)                         8321.27    379.73
  Top Width (ft)            200.24    Top Width (ft)                      188.65     11.59
  Vel Total (ft/s)           11.20    Avg. Vel. (ft/s)                     11.41      8.02
  Max Chl Dpth (ft)           4.87    Hydr. Depth (ft)                      3.87      4.08
  Conv. Total (cfs)       103228.1    Conv. (cfs)                        98723.0    4505.0
  Length Wtd. (ft)           616.79   Wetted Per. (ft)                    189.03     14.11
  Min Ch El (ft)            2263.91   Shear (lb/sq ft)                      1.71      1.49
  Alpha                       1.01    Stream Power (lb/ft s)   1063.04      0.00      0.00
  Frctn Loss (ft)             5.25    Cum Volume (acre-ft)       14.99     38.57      2.71
  C & E Loss (ft)             0.22    Cum SA (acres)              6.95     12.96      1.05


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreek         RS: 5370

INPUT
Description:
Station Elevation Data    num=     253
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2261.72      .4 2261.71    3.87 2261.66    6.44  2261.6    31.9    2261
   31.93    2261   31.95    2261   35.83 2260.93   39.81 2260.89   44.49 2260.85
   57.23 2260.76   70.27 2260.68  123.91 2260.41  151.91 2260.29  152.96 2260.28
  161.81 2260.24  224.35 2260.06  225.99 2260.05  229.79 2260.03  230.15 2260.03
  230.29 2260.03  230.76 2260.03  235.56    2260  260.76 2259.85  264.67 2259.86
  264.73 2259.86  264.79 2259.86  272.77 2259.81  294.27 2259.45  301.13 2259.36
  308.39 2259.26  311.47  2259.2  312.83 2259.19  314.87 2259.16  318.56 2259.04
  323.84 2259.05  324.89 2259.04  328.26 2259.02  329.38 2259.02  330.21 2259.01
  330.93 2259.01  331.69 2259.01  332.28    2259  332.65    2259  335.17 2258.77
  339.88    2258  360.37 2257.01  360.59    2257  360.74    2257   363.9 2256.98
  364.08 2256.98  366.44 2256.96  367.14 2256.96  381.38 2256.92  395.43 2256.89
  399.07 2256.91  404.98 2256.93  414.04 2256.97  416.18    2257  416.55  2257.6
  416.81    2258  416.98 2258.43   417.2 2258.49   417.8 2258.54  418.78 2258.53
  419.74 2258.48  420.41 2258.43  423.07 2258.71  424.07 2258.68  424.77 2258.64
  426.65 2258.73   427.9 2258.76  431.23 2258.69  434.07 2258.65  437.62 2258.62
  451.13 2258.52  455.47 2258.49  465.75 2258.43  469.06 2258.39  472.94 2258.33
   474.8 2258.32  479.27 2258.23  480.51 2258.21   488.7    2258  496.71 2257.92
  499.33 2257.91   504.1 2257.94  511.32 2257.93  511.66 2257.92  514.49 2257.98
   515.2    2258  521.82 2258.19  521.93 2258.19   528.3 2258.39  528.35 2258.39
  532.58 2258.53   532.6 2258.53  538.42 2258.76   540.8 2258.78  542.95 2258.78
  548.41 2258.74  553.31  2258.7  557.14 2258.69  560.87 2258.69  562.51 2258.69
  584.09 2258.72   586.2 2258.74  586.46 2258.74  586.72 2258.74  586.88 2258.74
  593.66 2258.69  610.19 2258.37  610.33 2258.37  613.29 2258.38  620.63    2258
  624.25 2257.36  626.42    2257  627.59 2256.99  632.94 2256.77  637.34 2256.65
  637.89 2256.66  638.39 2256.68  638.74 2256.72  638.95 2256.75  639.55    2257
  649.51 2257.11     651 2257.12  653.59 2257.43  656.28 2257.63  659.46  2257.6
  661.64 2257.57  664.11 2257.54  679.14 2257.33  684.55 2257.25  687.85  2257.2
  693.43 2257.14  697.21  2257.1  697.49  2257.1  697.77  2257.1  702.07 2257.08
  705.06 2257.07  709.43 2257.07  713.86 2257.01  714.84 2257.01  726.68 2257.02
  729.45 2257.01  729.66 2257.01  729.95 2257.01  736.96 2257.02  738.94 2257.02
  744.68 2257.02  756.59 2257.01  757.28 2257.01  757.38 2257.01  758.78    2257
  760.37    2257  761.96    2257  762.14    2257  762.28    2257  763.69 2256.85
  773.31    2256  775.24    2256   776.3    2256  777.35    2256  781.39    2256
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  793.31    2256   793.4    2256  794.36    2256  797.24 2256.06  799.29 2256.11
  805.89  2256.3  813.14    2257  825.27 2257.02  829.92 2257.02  832.62 2257.02
  838.39    2257   838.6    2257  838.63    2257  841.31    2257  841.43    2257
  843.11    2257  844.13    2257  844.38    2257  846.06    2257  846.62 2256.99
  847.61 2256.99  849.07 2256.99  849.58 2256.99  849.81 2256.99   851.3 2256.98
  852.03 2256.96  859.02 2256.77  859.41 2256.76  860.62 2256.71  863.05  2256.6
  864.81 2256.55  866.88 2256.48  874.99 2256.16  878.89 2256.15  878.92 2256.14
   880.5 2256.09  884.87 2256.11  884.98 2256.11  889.59  2257.1  906.47 2258.28
  907.66 2258.45  909.06  2258.7  911.93  2258.8  914.77 2258.85  917.23 2259.45
  921.24 2260.64  926.66 2262.82  931.87 2264.91  941.66 2268.84  944.23 2269.97
  948.89 2269.96  953.46 2269.95  954.03 2269.96  954.47 2269.96  963.93 2269.94
  964.49 2269.94  965.26 2269.93  966.92 2269.88  971.54 2269.86  975.98 2269.84
  975.99 2269.84  977.67 2269.84  981.25 2269.66  983.58 2269.55  990.59 2269.38
  994.59 2269.31 1001.55  2269.3 1003.06  2269.3 1004.56  2269.3 1010.07 2269.34
 1018.69 2269.47 1021.27 2269.55    1025 2269.68 1025.02 2269.68  1034.7    2270
 1034.72    2270 1036.11    2270 1036.13    2270 1043.57    2270 1044.71    2270
 1052.04    2270 1052.05    2270 1052.06    2270 1052.07    2270 1058.89 2270.08
 1076.78  2270.3 1090.21 2270.35 1104.24 2270.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  451.13    .027  864.81    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        451.13  864.81           811.93  827.24  902.17             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2261.07    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.24    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2259.83    Reach Len. (ft)          811.93     827.24    902.17
  Crit W.S. (ft)           2259.83    Flow Area (sq ft)        291.24     953.91    134.84
  E.G. Slope (ft/ft)      0.009848    Area (sq ft)             291.24     953.91    134.84
  Q Total (cfs)           11807.00    Flow (cfs)              1673.03    9088.66   1045.31
  Top Width (ft)            649.33    Top Width (ft)           181.94     413.68     53.71
  Vel Total (ft/s)            8.56    Avg. Vel. (ft/s)           5.74       9.53      7.75
  Max Chl Dpth (ft)           3.83    Hydr. Depth (ft)           1.60       2.31      2.51
  Conv. Total (cfs)       118976.3    Conv. (cfs)             16858.7    91584.3   10533.3
  Length Wtd. (ft)          827.50    Wetted Per. (ft)         182.92     413.98     54.03
  Min Ch El (ft)           2256.00    Shear (lb/sq ft)           0.98       1.42      1.53
  Alpha                       1.09    Stream Power (lb/ft s)  1104.24       0.00      0.00
  Frctn Loss (ft)             7.67    Cum Volume (acre-ft)      12.88      26.68      1.42
  C & E Loss (ft)             0.10    Cum SA (acres)             5.63       8.71      0.59


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreek         RS: 4543

INPUT
Description:
Station Elevation Data    num=     305
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2248.83    5.07 2248.72   12.69 2248.58   18.59 2248.49   19.08 2248.48
   23.43 2248.42   23.94 2248.41    25.3  2248.4   30.69 2248.34   54.33 2248.23
   70.51 2248.02   70.82 2248.02    71.3 2248.02   73.54    2248   88.51 2247.73
   90.39 2247.69   95.84 2247.58  100.23 2247.49  127.34    2247  131.95 2246.89
  134.23 2246.85  135.63 2246.82  137.79 2246.76  141.88 2246.65   157.7 2246.26
  164.72    2246  169.96 2245.66  179.54    2245  184.55 2244.99  184.88 2244.99
  189.59 2244.99  191.61    2245  201.66 2245.85  203.73 2245.86  214.52 2245.81
  215.37 2245.83  216.09 2245.84  217.21 2245.86  220.98 2245.86  227.23 2245.88
  229.64 2245.88  232.31 2245.91   232.5 2245.91   232.6 2245.92  232.63 2245.92
  243.12 2245.98  250.98 2245.97  260.91 2245.98  261.35 2245.98  265.29 2245.99
  270.66    2246  274.93 2246.53  276.03 2246.68  277.52  2246.9  278.72    2247
  278.78    2247  279.11    2247   279.5 2247.01  279.91    2247  279.95    2247
  287.34 2246.97   289.7 2246.97  292.17 2246.98   292.7 2246.98  297.19    2247
  297.71    2247  297.81 2247.01  297.91    2247   299.5    2247  300.19    2247
  321.64 2246.75  322.96 2246.72  339.25 2246.78  347.54 2246.88   356.2 2246.95
  362.58    2247  364.67 2247.01  379.13 2247.08  379.81 2247.08   395.5 2247.13
  396.54 2247.13  412.78 2247.16  428.38 2247.02   428.7 2247.02  432.48 2247.02
  432.73 2247.02  435.18 2247.02  435.75 2247.02  438.18 2247.01  438.57 2247.01
  439.13 2247.01  440.38    2247  447.07 2246.99  448.26 2246.99  454.84    2247
  455.14    2247  456.12    2247  456.91    2247  459.12    2247  460.69    2247
  463.78    2247  465.96 2246.33  467.08    2246     468    2246  468.34    2246
  473.54 2245.97  477.54 2245.98  478.21 2245.98  480.11 2245.97  481.83 2245.97
```

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  484.11 2245.96  486.54 2245.97  486.94 2245.97   489.4 2245.98  491.95    2246
  494.65 2246.78  495.04 2246.78  497.97 2246.74  502.23 2246.68  504.62 2246.62
  505.77 2246.59  509.77 2246.51  511.33 2246.47  518.21 2246.36  525.41 2246.18
  535.18 2246.08  537.02 2246.05  537.95 2246.04  544.57    2246  546.16    2246
  546.21    2246  546.32    2246  553.39 2245.99  554.27 2245.99  568.41 2245.99
  571.96 2245.95  572.29 2245.95  572.66 2245.94  579.64 2245.93  580.15 2245.93
  580.65 2245.93  592.54 2245.86  600.08 2245.84  607.44 2245.83  615.58 2245.84
  618.64 2245.84  621.88 2245.83   626.8 2245.82  643.19    2245  647.88 2244.99
  656.78 2244.99  663.12    2245  663.58    2245  667.69    2245  671.04 2245.17
  672.16 2245.22  672.61 2245.24  673.03 2245.29  676.12    2246  679.61    2246
  679.68    2246  680.08    2246  681.01 2245.99  685.57 2245.94  690.25 2245.98
  691.04 2245.98  692.39    2246  692.83    2246  698.04    2246  704.39 2245.43
  710.51 2245.35  715.02 2245.32  723.54 2245.52  725.07 2245.54  727.02 2245.57
  730.82 2245.66  737.17 2245.78  738.27 2245.81  738.85 2245.82  745.64 2245.91
  745.81 2245.91  745.97 2245.92  752.37 2245.96  752.47 2245.96  752.71 2245.97
  766.44 2245.99   768.9    2246  770.71    2246  770.88    2246  781.59 2246.04
   781.9 2246.05  802.38 2246.15  803.22 2246.16  806.01 2246.17  808.73 2246.18
  819.72 2246.18   820.5 2246.18  821.18 2246.18  826.91  2246.2  830.37  2246.2
  841.69 2246.25  845.72  2246.3  852.48 2246.41   859.4 2246.59  862.04 2246.62
  869.11 2246.81  870.14 2246.83  870.93 2246.84     877    2247  877.03    2247
  877.07    2247  877.57    2247  878.88    2247  878.95    2247     879    2247
  879.12    2247  885.24 2246.88   886.1 2246.86  898.15 2246.62  902.12 2246.55
  904.69 2246.52     908 2246.47  922.05 2246.27  937.72 2246.01  938.48 2246.01
  941.38    2246  954.16  2245.9   957.2 2245.88  959.32  2245.9  970.45 2245.79
  975.58  2245.9  975.68  2245.9  978.84 2245.96  979.08 2245.96  981.71    2246
  982.36    2246  983.31    2246  985.09 2246.01  987.57    2246  987.92    2246
  990.27 2246.88  991.76 2247.44  995.56 2248.93  996.59 2249.36  997.73 2249.87
  997.76 2249.89  997.85 2249.93 1008.94 2255.21 1016.39 2258.35 1016.93 2258.62
  1021.8    2259 1024.84 2258.98  1026.7 2258.98 1033.74 2258.83 1042.84 2258.69
1049.54 2258.64 1053.27 2258.62 1057.61 2258.58 1060.76 2258.56 1063.67 2258.54
1068.88  2258.5 1075.03 2258.46 1078.59 2258.38 1081.15 2258.33 1086.21 2258.29
1090.44 2258.28 1097.53 2258.23 1099.02 2258.25 1100.74 2258.27 1100.76 2258.27
1115.98 2258.23 1136.62 2258.01 1136.68 2258.01 1136.74 2258.01 1136.77 2258.01
1136.86 2258.01 1137.97    2258 1145.16    2258 1147.36    2258 1151.52    2258
1152.61    2258  1153.2    2258 1157.86    2258  1161.2    2258 1166.35    2258
1166.37    2258 1166.38    2258 1166.44    2258 1168.49 2258.02 1168.99 2258.03
1169.82 2258.04 1170.11 2258.04 1170.52 2258.05 1170.58 2258.06 1182.88 2258.35
1186.68 2258.39 1191.54 2258.44 1199.75  2258.6 1204.34 2258.69 1211.24 2258.74
 1219.4 2258.81  1221.8 2258.85  1226.9 2258.88 1231.01 2258.88 1231.28 2258.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  486.94    .027  990.27    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        486.94  990.27           304.54  322.42  558.08             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2249.00    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               0.91    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2248.09    Reach Len. (ft)          322.42     322.42     322.42
  Crit W.S. (ft)           2248.09    Flow Area (sq ft)        607.37    1044.20       1.92
  E.G. Slope (ft/ft)      0.008733    Area (sq ft)             607.37    1044.20       1.92
  Q Total (cfs)           11807.00    Flow (cfs)              3071.26    8730.49       5.25
  Top Width (ft)            928.29    Top Width (ft)           421.81     503.33       3.15
  Vel Total (ft/s)             7.14    Avg. Vel. (ft/s)           5.06       8.36       2.73
  Max Chl Dpth (ft)            3.10    Hydr. Depth (ft)           1.44       2.07       0.61
  Conv. Total (cfs)       126342.4    Conv. (cfs)             32864.4    93421.8       56.2
  Length Wtd. (ft)          322.42    Wetted Per. (ft)         422.12     503.77       3.37
  Min Ch El (ft)            2244.99    Shear (lb/sq ft)           0.78       1.13       0.31
  Alpha                        1.14    Stream Power (lb/ft s)  1231.28       0.00       0.00
  Frctn Loss (ft)              2.61    Cum Volume (acre-ft)       4.50       7.71       0.01
  C & E Loss (ft)              0.00    Cum SA (acres)


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 4220

INPUT
Description:
Station Elevation Data    num=     317
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2246.92   11.94 2246.63   38.79    2246   62.01 2245.32   72.88    2245
```

```
   91.73 2244.57  112.51    2244  119.69    2244  127.34 2243.99  130.46 2243.99
  133.49 2243.99   134.5 2243.99  136.94 2243.99  137.32 2243.99  139.67 2243.99
  139.71 2243.99  155.08    2244  155.87    2244  160.16    2244  164.24 2244.04
  166.51 2244.05  170.02 2244.03  170.53 2244.03  171.99 2244.03  174.18 2244.02
  177.82 2244.03  178.33 2244.03  178.74 2244.03  179.17 2244.03  179.63 2244.03
  179.86 2244.03  180.04 2244.03  180.84    2244  188.15 2243.44  189.94 2243.42
  196.86 2243.35  201.71 2243.28  207.77 2243.17  215.22    2243  220.83  2242.9
  221.36 2242.89  224.83 2242.84  227.97 2242.81  233.27 2242.77  238.21 2242.75
   265.4    2243  266.66 2243.01  266.93 2243.01  271.23 2243.03  271.36 2243.03
  271.49 2243.03  271.95 2243.03  300.51 2243.14  301.39 2243.15  311.55 2243.17
  312.35 2243.17  320.06 2243.17  325.78 2243.16  336.66 2243.06  340.68 2243.01
  342.74 2243.01  344.36    2243  351.52 2242.87  358.45 2242.77  364.11 2242.71
  367.43 2242.68  376.97 2242.58  385.53 2242.48  388.61 2242.45  391.65 2242.43
  394.92 2242.43  396.85 2242.41  400.46 2242.41  404.46 2242.43  406.32 2242.42
  410.45 2242.45  412.66 2242.46  416.89  2242.5  419.39 2242.53  436.31 2242.72
  444.09 2242.79  452.31  2242.9   458.4 2242.93  464.14 2242.94  473.99 2242.94
  474.65 2242.95  479.03 2242.95  483.01 2242.97  487.21    2243  488.35    2243
  489.71    2243  489.79    2243     490    2243  491.13 2242.99   491.3 2242.99
  500.75  2242.9  503.82 2242.91  504.26 2242.92  512.23    2243   512.9    2243
  520.35    2243  528.86    2243  531.26    2243     532    2243  532.47    2243
  534.68    2243  541.84    2243  545.07    2243  556.22 2242.99  556.66 2242.99
  565.86    2243  568.17    2243  568.24    2243  568.28    2243  579.52  2243.8
  582.14    2244   583.3    2244  583.97    2244  588.76 2243.35  590.21 2243.15
  591.36    2243  591.47 2242.98  591.48 2242.98  591.62 2242.98  592.29 2242.92
  592.69 2242.88   594.5 2242.69  599.87 2242.16  601.41    2242  601.56    2242
  601.69    2242  601.78    2242  602.09    2242  602.22    2242  602.32    2242
  602.41    2242  602.58    2242  603.29    2242  603.45    2242  603.74    2242
  603.89    2242  606.57    2242  609.03    2242   609.1    2242  609.19    2242
  609.34    2242  613.88 2241.99     614 2241.99  614.24 2241.99  614.52 2241.99
  615.02 2241.99   615.5 2241.99  615.87 2241.99  616.22 2241.99  616.46 2241.99
  616.76 2241.99  616.98 2241.99  617.23 2241.99  629.14 2241.98   635.5 2241.98
  640.99 2241.98  648.56 2241.97   664.2 2241.99  665.04 2241.99  667.17 2241.99
  667.59 2241.99  669.28 2241.99  669.78 2241.99  670.47 2241.99  674.05 2241.99
  680.81    2242  683.78 2242.02  686.24 2242.03   688.1 2242.04  689.07 2242.04
  696.35 2242.18  714.09 2242.45  714.99 2242.45  716.13 2242.46  717.67 2242.47
  718.76 2242.48  729.14 2242.53  730.05 2242.54  739.81 2242.65  746.89 2242.67
  747.38 2242.67  749.81 2242.66  750.14 2242.66  754.43 2242.64  759.47  2242.6
  779.92  2242.2  780.06 2242.19  780.18 2242.19  790.93    2242  791.75    2242
  796.38 2241.98  800.59 2241.99  802.48 2241.99  802.51 2241.99  802.58 2241.99
  803.58 2241.99  807.01 2241.38  807.98 2241.24  808.12 2241.22     809    2241
  812.87 2240.97  821.74 2240.91  827.45 2240.94  828.23 2240.94  829.57 2240.95
  836.58 2240.95  845.63 2240.92  859.31 2240.98  860.49 2240.99  861.48 2240.99
  864.92    2241  875.72 2241.69   878.2    2242  878.27    2242  878.38    2242
  880.62    2242  881.51    2242   883.3 2242.01  885.47 2242.01  888.57 2242.01
  898.83 2242.04   899.8 2242.04  900.71 2242.04  901.05 2242.04  903.03 2242.04
  911.68 2242.06  911.79 2242.06  911.99 2242.06  912.04 2242.06   912.7 2242.06
  912.88 2242.06  913.94 2242.06  914.29 2242.06  915.47 2242.06  915.88 2242.06
  916.61 2242.05  921.32  2242.5  924.73  2242.8  928.38    2243  930.14 2243.44
     932    2244  933.44 2244.47  935.27    2245  936.37 2245.38  938.23    2246
  940.39 2246.89  940.69    2247  941.14 2247.17  941.37 2247.29  942.58    2248
  942.94 2248.31  944.02    2249  944.83 2249.79  945.06    2250  945.45 2250.38
   946.2    2251  946.73 2251.46   946.8 2251.52  947.34    2252  948.27 2252.82
  948.53    2253  948.66 2253.09  950.45    2254  952.46 2254.91  952.65    2255
   953.4 2255.35  954.68    2256  956.54 2256.93  956.68    2257  957.61 2257.56
   958.6    2258  959.09 2258.28  960.35    2259  960.98 2259.36   962.1    2260
  963.18 2260.62  963.85    2261  965.53 2261.85  965.83    2262  965.87    2262
  965.89    2262  966.62 2262.19  970.04    2263  972.22  2263.6  973.73    2264
  976.28 2264.76  977.24    2265   977.6 2265.08  981.33    2266  982.76 2266.36
  985.33    2267  987.39 2267.61  988.76    2268  991.22 2268.68  992.29    2269
  993.89  2269.5   995.6    2270   996.9 2270.42  998.51    2271 1000.92 2271.84
 1001.38    2272 1003.37 2272.97 1003.44    2273  1003.5 2273.03 1004.08 2273.33
  1005.3    2274 1006.89 2274.91 1007.06    2275 1007.24  2275.1 1008.71 2275.99
 1008.73    2276 1008.74 2276.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  504.26    .027  946.73    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        504.26  946.73             358.3  403.57  452.29             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2245.59    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               0.95    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2244.64    Reach Len. (ft)          358.30     403.57     452.29
  Crit W.S. (ft)           2244.64    Flow Area (sq ft)        608.96    1038.15
  E.G. Slope (ft/ft)      0.007522    Area (sq ft)             608.96    1038.15
  Q Total (cfs)           11807.00    Flow (cfs)              2893.47    8913.53
  Top Width (ft)            845.14    Top Width (ft)           415.39     429.75
  Vel Total (ft/s)            7.17    Avg. Vel. (ft/s)           4.75       8.59
  Max Chl Dpth (ft)           3.73    Hydr. Depth (ft)           1.47       2.42
  Conv. Total (cfs)       136131.8    Conv. (cfs)             33361.0   102770.8
  Length Wtd. (ft)          391.77    Wetted Per. (ft)         415.43     430.33
  Min Ch El (ft)           2240.91    Shear (lb/sq ft)           0.69       1.13
  Alpha                       1.19    Stream Power (lb/ft s)  1008.74       0.00       0.00
  Frctn Loss (ft)             2.85    Cum Volume (acre-ft)      10.05      52.45       4.45
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  C & E Loss (ft)              0.05    Cum SA (acres)              6.60      12.01       1.98


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 3817

INPUT
Description:
Station Elevation Data    num=     208
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2248.67   15.97 2248.38    30.2 2248.12   36.99    2248   52.04 2247.66
   61.79 2247.42   78.96    2247   86.79 2246.74   98.58 2246.33  100.64 2246.27
  102.05 2246.23  105.5 2246.15     111    2246  118.89 2245.84  157.95    2245
  201.15 2244.21  211.77    2244  235.99 2243.38  251.16    2243  255.89 2242.88
  268.39 2242.59  268.72 2242.58  269.06 2242.58  269.18 2242.57  283.95 2242.24
  294.76 2242.02  295.18 2242.02  296.62 2242.01  297.24    2242   309.8 2241.56
  313.48 2241.48  319.96 2241.28  337.49    2241   337.5    2241  337.51    2241
  338.52    2241  338.54    2241  338.55    2241  338.84 2240.97  343.15 2240.85
  344.33 2240.82   347.3 2240.75  353.22 2240.58  366.79 2240.05  367.83 2240.01
  368.08 2240.01  368.98 2240.01  370.03    2240  388.11 2239.56  388.35 2239.55
   403.4 2239.24   414.6    2239  414.61    2239  414.63    2239  414.66    2239
  414.69    2239  414.73    2239  414.77    2239  414.81    2239  415.18    2239
  428.33 2238.81  433.93 2238.74   445.5 2238.57  453.33 2238.46  468.51 2238.28
  473.02 2238.22  493.96    2238  494.17    2238  494.22    2238  498.05 2237.99
  498.83 2237.99  501.78 2237.99  504.19 2237.99  522.24 2237.83  550.37 2237.82
   561.7 2237.91  584.32    2238   588.1 2238.01  591.02 2238.01  592.88 2238.01
   594.8 2238.01  595.62    2238  610.57 2237.65  625.62 2237.29  629.07 2237.24
  633.16 2237.19  636.76 2237.21  642.25 2237.28  642.73 2237.33  643.89 2237.27
  644.86 2237.27  650.09    2238  654.81 2238.74  656.65    2239  658.56 2239.05
   658.9 2239.05  660.34 2239.03  661.77    2239  664.77  2238.3  665.81 2238.07
  666.04    2238  666.23 2237.95  666.33 2237.95  666.97 2237.82   668.8 2237.59
  669.28 2237.64  669.96 2237.56  676.52 2237.69   680.7 2237.72  698.55 2237.47
  710.19 2237.27  715.52 2237.19  716.05 2237.18  723.56  2237.1  723.91  2237.1
  731.87 2237.02  732.28 2237.02  735.14    2237  747.35 2236.94  750.37 2236.93
  757.56 2236.85  767.46 2236.76   775.7  2236.7  778.02 2236.68  783.49 2236.63
  791.22 2236.55  798.35 2236.49  801.28 2236.45  806.44 2236.42  812.97 2236.33
   820.6 2236.29  825.05 2236.33  833.49 2236.54  834.44 2236.47  834.64 2236.49
  834.86 2236.51  835.78 2236.45  836.32 2236.43   836.8 2236.44  837.13 2236.49
  837.97    2237  838.38 2237.34   839.3    2238  840.01  2238.4  840.81    2239
  841.55 2239.45  842.28    2240  843.22 2240.63  843.72    2241  844.49 2241.43
  845.28    2242  846.08 2242.57  846.68    2243   847.6 2243.63  848.19    2244
  849.13 2244.63  849.87    2245  852.84  2245.7  854.14    2246  857.42 2246.79
  858.31    2247  859.67 2247.33  861.66  2247.8  862.37 2247.93  862.55    2248
  862.74 2248.06   866.7    2249  868.18  2249.8  868.61    2250  870.72 2250.81
  871.12    2251  871.64 2251.23  873.68    2252  875.99 2252.97  876.06    2253
  876.13 2253.03   877.9 2253.72  878.61 2253.99  878.63    2254  878.67 2254.01
  881.29    2255  882.62 2255.54  883.84    2256  885.37  2256.6  886.46    2257
  886.86 2257.15  889.19    2258  891.45 2258.83  891.91    2259   892.3 2259.14
  892.64 2259.25  893.93 2259.66  895.23    2260  896.75  2260.4  898.38    2261
  899.73 2261.49  901.29    2262  902.68 2262.63  903.72    2263  905.77 2263.79
   906.2    2264  906.58 2264.19  908.27    2265  909.36 2265.57  910.34    2266
  911.65  2266.7  912.31    2267  912.76 2267.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  610.57    .027  859.67    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        610.57  859.67             253.8  253.43  243.57            .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2242.06    Element                Left OB    Channel   Right OB
  Vel Head (ft)               1.40    Wt. n-Val.               0.035      0.027
  W.S. Elev (ft)           2240.65    Reach Len. (ft)          253.80     253.43     243.57
  Crit W.S. (ft)           2240.65    Flow Area (sq ft)        553.04     809.27
  E.G. Slope (ft/ft)      0.007051    Area (sq ft)             553.04     809.27
  Q Total (cfs)           11807.00    Flow (cfs)              3261.49    8545.51
  Top Width (ft)            492.57    Top Width (ft)           259.89     232.68
  Vel Total (ft/s)            8.67    Avg. Vel. (ft/s)           5.90      10.56
  Max Chl Dpth (ft)           4.36    Hydr. Depth (ft)           2.13       3.48
  Conv. Total (cfs)       140609.6    Conv. (cfs)             38841.1   101768.5
  Length Wtd. (ft)          253.50    Wetted Per. (ft)         259.93     234.29
  Min Ch El (ft)            2236.29   Shear (lb/sq ft)           0.94       1.52
```

Alpha	1.20	Stream Power (lb/ft s)	912.76	0.00	0.00
Frctn Loss (ft)	1.67	Cum Volume (acre-ft)	5.27	43.89	4.45
C & E Loss (ft)	0.03	Cum SA (acres)	3.82	8.94	1.98

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreekPC RS: 3563

INPUT
Description:
Station Elevation Data num= 249

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2243.18	6.18	2243.11	10.28	2243.05	13.81	2243	64.06	2242.11
70.79	2242	73.99	2241.95	120.57	2241	126.86	2240.86	128.45	2240.83
133.18	2240.77	136.18	2240.73	140.86	2240.65	149.92	2240.49	161.15	2240.28
178.61	2240	218	2239.2	229.14	2239	235.82	2238.89	237.71	2238.85
241.2	2238.79	251.5	2238.6	262.58	2238.4	283.86	2238	291.77	2237.83
307.82	2237.49	314.07	2237.36	317.44	2237.28	319.62	2237.23	331.71	2237
381.04	2236.11	396.45	2236	400.99	2235.68	403.07	2235.5	403.7	2235.45
404.03	2235.42	405.79	2235.25	405.94	2235.23	408.15	2235	409.77	2234.74
410.72	2234.56	411.49	2234.38	412.79	2234	414.67	2233.85	414.97	2233.84
415.75	2233.38	416.61	2233.15	417.27	2233	420.16	2232.4	421.89	2232
421.9	2232	421.99	2232	423.07	2232	423.97	2232	423.99	2232.01
424.66	2232.18	424.87	2232.23	425.34	2232.32	425.74	2232.37	426.11	2232.44
426.54	2232.46	428.45	2232.95	428.77	2232.95	429.1	2232.95	430.03	2232.94
431.56	2232.94	431.75	2232.94	436.77	2232.97	438.11	2232.98	438.22	2232.98
439.17	2232.98	439.44	2232.98	440.18	2232.98	440.44	2232.98	441.5	2232.98
442.16	2232.97	446.46	2232.98	446.8	2232.98	447.82	2232.98	447.84	2232.98
447.87	2232.98	448.89	2232.98	449.6	2232.99	451.02	2232.99	452.28	2232.99
452.59	2232.99	452.94	2232.99	453.27	2233	453.73	2233	455.85	2233
458.55	2233.66	459.74	2234	460.22	2234.13	462.92	2235	466.2	2235.31
468.67	2235.53	471.77	2235.82	472.08	2235.86	472.54	2235.91	473.57	2236
479.59	2236	480.84	2236	485.05	2236	486.3	2236	487.95	2236
492.12	2235.7	493.54	2235.61	500.53	2235.18	501.87	2235.12	502.05	2235.12
503.23	2235	506.45	2234.63	507	2234.6	507.48	2234.57	509.03	2234.55
509.47	2234.52	509.87	2234.5	510.16	2234.47	512.62	2234.49	512.99	2234.46
513.59	2234.39	515.22	2234.25	516.01	2234.19	530.47	2234.31	531.18	2234.3
531.82	2234.28	534.37	2234.23	536.14	2234.2	545.03	2234.21	545.23	2234.21
545.43	2234.2	548.21	2234.21	553.61	2234.17	557.37	2234.15	558.15	2234.15
574.1	2234.29	577.51	2234.3	580.1	2234.3	583.75	2234.35	588.75	2234.41
591.68	2234.42	595.51	2234.42	599.33	2234.42	599.99	2234.43	616.19	2234.37
619.95	2234.28	625.11	2234.13	627.65	2234.01	628.35	2234	630.31	2233.99
631.2	2234	632.41	2234.06	636.38	2235	638.26	2235.84	638.65	2236
641.16	2236.99	641.17	2237	641.39	2237.08	643.75	2237.84	644.36	2238
646.68	2238.22	651.87	2238.4	655.79	2238.55	659.94	2238.64	664.43	2238.95
664.67	2238.95	665.49	2238.95	666.75	2238.95	674.71	2238.99	676.42	2239
679.25	2239.65	680.63	2240	681.61	2240.25	684.45	2241	685.33	2241.22
686.79	2241.65	687.94	2241.95	688.1	2242	688.29	2242.06	691.51	2243
694.26	2243.85	694.8	2244	694.93	2244.04	698.57	2245	700.98	2245.67
701.92	2245.87	702.79	2246	703.96	2246.19	705.58	2246.36	707.29	2246.52
709.42	2246.68	714.01	2247	715.69	2247.13	729.31	2248	729.5	2248.01
729.53	2248.01	729.54	2248.01	729.57	2248.01	731.58	2248.07	731.65	2248.07
733.95	2248.08	736.57	2248.07	746.6	2248	771.12	2247.85	771.37	2247.85
772.2	2247.85	774.2	2247.92	776.14	2248	776.23	2248.01	777.7	2248.18
778.72	2248.34	781.53	2249	783.95	2249.55	785.69	2250	788.33	2250.6
789.98	2251	791.89	2251.46	794.12	2252	795.73	2252.37	798.14	2253
801.35	2253.69	802.97	2253.82	805.63	2253.91	805.67	2253.92	805.72	2253.92
805.82	2253.92	805.91	2253.92	809.08	2253.94	812.25	2253.9	815.73	2253.68
822.48	2253.35	822.86	2253.33	823.31	2253.34	824.16	2253.31	829.27	2253.43
831.52	2253.42	832.51	2253.41	838.08	2253.25	840.69	2253.18	842.59	2253.15
842.97	2253.15	844.39	2253.19	844.85	2253.21	845.47	2253.26	847.08	2253.45
848.56	2253.61	850.47	2253.89	851.15	2254	851.71	2254.08		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	421.9	.027	651.87	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
421.9	651.87	529.2	603.78	660.08	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2240.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.68	Wt. n-Val.	0.035	0.027	0.035

W.S. Elev (ft)	2238.60	Reach Len. (ft)	529.20	603.78	660.08
Crit W.S. (ft)	2238.60	Flow Area (sq ft)	307.65	936.57	0.54
E.G. Slope (ft/ft)	0.006169	Area (sq ft)	307.65	936.57	0.54
Q Total (cfs)	11807.00	Flow (cfs)	1518.52	10288.13	0.36
Top Width (ft)	406.53	Top Width (ft)	170.36	229.97	6.20
Vel Total (ft/s)	9.49	Avg. Vel. (ft/s)	4.94	10.98	0.66
Max Chl Dpth (ft)	6.60	Hydr. Depth (ft)	1.81	4.07	0.09
Conv. Total (cfs)	150329.0	Conv. (cfs)	19334.0	130990.4	4.6
Length Wtd. (ft)	602.72	Wetted Per. (ft)	170.83	231.17	6.20
Min Ch El (ft)	2232.00	Shear (lb/sq ft)	0.69	1.56	0.03
Alpha	1.20	Stream Power (lb/ft s)	851.71	0.00	0.00
Frctn Loss (ft)	3.66	Cum Volume (acre-ft)	2.77	38.81	4.45
C & E Loss (ft)	0.07	Cum SA (acres)	2.57	7.59	1.96

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreekPC RS: 2959

INPUT
Description:
Station Elevation Data num= 129

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2238.13	7.01	2238	29.22	2237.53	53.03	2237	74.13	2236.36
75.42	2236.32	89.06	2236	102.49	2235.72	133.75	2235	166.88	2234.27
177.32	2234	226.67	2233.07	227.12	2233.06	227.49	2233.06	229.04	2233.03
230.74	2233	264.7	2232.38	270.82	2232.32	272.88	2232.28	275.38	2232.25
289.94	2232.13	300.57	2232	300.62	2232	317.84	2231.81	318.96	2231.81
324.97	2231.75	330.28	2231.7	335.85	2231.67	357.21	2231.73	367.48	2231.77
384.38	2231.85	391.38	2231.97	392.43	2231.99	392.56	2231.99	393.32	2232
393.39	2232	398.74	2232.28	410.39	2233	419.19	2233	419.92	2233
420.19	2232.9	422.97	2232	423.62	2231.77	426.08	2231	426.7	2230.77
429.06	2230	430.02	2229.65	432.06	2229	433.5	2228.51	435.28	2228
452.99	2227.93	469.16	2227.75	492.77	2227.64	501.4	2227.67	512.7	2227.69
517.69	2227.7	530.11	2227.79	546.21	2227.91	547.07	2227.91	550.99	2227.92
551.68	2227.92	553.41	2227.91	556.11	2227.88	556.47	2227.87	557.21	2227.87
558.4	2227.87	574.58	2227.93	578.03	2227.96	591.92	2228	624.76	2228.96
626.2	2229	626.28	2229	651.35	2229.11	651.93	2229.11	652.81	2229.12
653.46	2229.12	659.23	2229.16	664.04	2229.2	669.5	2229.25	672.21	2229.28
675.17	2229.31	695.32	2229.52	703.92	2229.64	705.68	2229.66	708.4	2229.7
730.82	2230	736.66	2230.14	738.15	2230.18	756.84	2231	767.35	2231.42
772.05	2231.63	779.61	2232	780.7	2232.06	793.12	2233	804.32	2233.8
807.28	2234	811.49	2234.29	818.52	2234.8	821.01	2235	825.83	2235.37
833.91	2236	839.2	2236.51	840.98	2236.7	844.24	2237	852.19	2237.76
855.33	2238	863.15	2238.9	864.27	2239	866.84	2239.27	873.62	2240
880.67	2240.71	883.89	2241	894.15	2241.96	894.5	2242	895.02	2242.05
905.08	2243	905.1	2243	905.4	2243.03	915.18	2244	918.63	2244.28
926.39	2245	933.37	2245.75	936.01	2246	940.42	2246.46	946.8	2247
953.19	2247.59	958.09	2248	962.74	2248.37	969.31	2248.99		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	367.48	.027	651.93	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
367.48	651.93	539.35	561.59	592.31	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2233.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.45	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2232.39	Reach Len. (ft)	539.35	561.59	592.31
Crit W.S. (ft)	2232.39	Flow Area (sq ft)	48.89	980.36	300.21
E.G. Slope (ft/ft)	0.005990	Area (sq ft)	48.89	980.36	300.21
Q Total (cfs)	11807.00	Flow (cfs)	97.43	10014.05	1695.53
Top Width (ft)	499.94	Top Width (ft)	103.50	263.26	133.17
Vel Total (ft/s)	8.88	Avg. Vel. (ft/s)	1.99	10.21	5.65
Max Chl Dpth (ft)	4.75	Hydr. Depth (ft)	0.47	3.72	2.25
Conv. Total (cfs)	152548.8	Conv. (cfs)	1258.8	129383.5	21906.5
Length Wtd. (ft)	563.66	Wetted Per. (ft)	103.51	263.99	133.23
Min Ch El (ft)	2227.64	Shear (lb/sq ft)	0.18	1.39	0.84
Alpha	1.18	Stream Power (lb/ft s)	969.31	0.00	0.00
Frctn Loss (ft)	3.43	Cum Volume (acre-ft)	0.60	25.53	2.17
C & E Loss (ft)	0.09	Cum SA (acres)	0.90	4.18	0.91

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 2398

INPUT
Description:
Station Elevation Data    num=     335
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2233.43    3.35 2233.38    3.65 2233.37     8.4 2233.31   18.31 2233.18
    31.9    2233   91.82    2232   91.91    2232  110.55 2231.69  126.84  2231.4
  148.77    2231  159.86 2230.76  197.88    2230   222.1 2229.42  240.46    2229
  253.22 2228.64  271.49    2228  286.73 2227.25  292.35    2227  295.67 2226.81
  308.11 2226.12   310.6    2226  313.51 2225.84  317.86  2225.6  329.16    2225
   332.2 2224.95  332.64 2224.94  333.44 2224.95  335.51 2224.96   339.7    2225
  341.77    2225  342.46    2225  343.06    2225  343.61    2225  344.24    2225
  345.33    2225  348.97    2225  350.05    2225  352.61    2225  356.57 2224.11
  357.24    2224  357.61 2223.87  359.79    2223  361.21 2222.54  362.97    2222
  372.92 2221.64  377.18 2221.64  378.15 2221.63  387.63  2221.5   393.9 2221.42
  396.84 2221.41  399.86  2221.4  434.09 2221.24  437.62 2221.22  437.72 2221.22
   437.8 2221.22  437.85 2221.22  440.88 2221.21  444.66 2221.19  446.35 2221.18
   447.8 2221.18  448.25 2221.18  448.63 2221.18  470.36 2221.16  480.55 2221.06
  484.91 2221.01  486.75    2221  489.81 2220.96  493.25 2220.94  493.54 2220.94
  493.97 2220.94  495.57 2220.96  496.89 2220.97  498.29    2221   498.8 2221.31
  499.96    2222  501.17 2222.62  501.73    2223  502.28 2223.37  503.35    2224
   504.4 2224.61  504.96    2225  506.04 2225.74  506.46    2226  507.87 2226.93
  507.96    2227  508.01 2227.04  509.91    2228  511.09 2228.83  511.39    2229
  511.64 2229.15     513    2230  513.26 2230.16  514.82    2231  515.89  2231.8
  516.31    2232  517.25 2232.58  518.34    2233  520.88 2233.87  521.21    2234
  521.45  2234.1  523.54    2235  524.22 2235.19  526.27    2236   527.5 2236.49
  528.23 2236.77  528.86    2237  530.84 2237.84  531.31    2238  531.68 2238.16
  533.99    2239  534.56 2239.25  536.23    2240  536.71 2240.21  538.67    2241
  539.21 2241.24   541.1    2242   541.7 2242.27  543.44    2243  544.08 2243.29
  545.76    2244  546.44  2244.3  548.07    2245  549.71  2245.7  550.43    2246
  552.22 2246.78  552.56    2247  554.41 2247.84  554.67    2248  555.07 2248.19
  556.84    2249  558.47 2249.82  558.79    2250  560.51 2250.86  560.76    2251
  560.99 2251.13     563    2252  563.57 2252.25  565.03    2253  566.58 2253.79
  566.98    2254  568.58 2254.82  568.93    2255  569.33 2255.18  571.15    2256
  572.49 2256.73  573.05    2257  573.54 2257.25  574.92    2258  576.25 2258.75
  576.75    2259   578.3 2259.77  578.75    2260   580.4 2260.81  580.78    2261
  581.15 2261.19  582.81    2262  583.08 2262.14  584.84    2263  585.89 2263.58
  586.82    2264     588 2264.48  589.16    2265  591.06 2265.83  591.45    2266
  592.91 2266.64  593.81    2267  593.88 2267.03  596.64    2268   597.3 2268.27
  599.13    2269  599.93 2269.32   601.6    2270  603.03 2270.62  603.97    2271
  605.37  2271.6  606.36    2272  607.71 2272.59  608.75    2273  609.79 2273.42
  611.14    2274  612.43 2274.56  613.54    2275  614.79 2275.54  615.94    2276
  616.98 2276.43  618.43    2277  619.56 2277.51  620.82    2278  621.93  2278.5
   623.2    2279  623.28 2279.02  623.31 2279.02  623.41 2279.08  624.28 2279.55
  625.02    2280  626.55 2280.75  627.07    2281  627.69 2281.26  629.07    2282
   629.6 2282.22  631.03    2283  631.43  2283.2   632.9    2284  633.23 2284.15
  634.77    2285  634.98  2285.1  636.59    2286  636.68 2286.04   637.9    2287
  638.26 2287.18  639.62    2288  639.93 2288.15  641.32    2289  641.75 2289.18
  643.14    2290  643.68 2290.21  645.64    2291  646.93  2291.8  647.25    2292
  647.65  2292.3  648.96    2293  649.61 2293.43   650.8    2294   651.1 2294.15
  653.32    2295  653.61 2295.11  656.57    2296  659.86 2296.91  660.16    2297
  661.96 2297.54  663.49    2298  663.68 2298.06  665.95    2299  669.05 2299.95
   669.3    2300  672.92 2300.73  674.31    2301  677.67 2301.98  677.69 2301.98
   677.7 2301.98  677.79    2302  680.38 2302.74  680.83 2302.82  682.27    2303
  682.72 2303.06  682.87 2303.07  685.45 2303.14  685.97 2303.14  689.46 2303.04
  689.86 2303.02  690.03    2303  698.29  2302.4  702.21    2302  711.19 2301.15
  712.93    2301  714.64 2300.83  720.72    2300   725.4 2299.42   728.8    2299
  730.97 2298.75  739.52    2298  742.32 2297.59  745.75 2297.31   747.1 2297.25
  752.12 2297.09   752.4 2297.09  753.34    2297  754.04 2296.93  754.44 2296.84
  756.34 2296.46  757.97    2296  759.61 2295.58  761.69    2295  762.27 2294.85
  766.44    2294  767.62 2293.74  767.76 2293.69  768.04 2293.57  768.16 2293.53
   768.3 2293.47  768.96 2293.14  769.01 2293.12  769.04  2293.1  769.23    2293
  769.71 2292.74  770.34  2292.4  770.63 2292.22  770.99    2292  771.65  2291.6
  772.66    2291  772.87 2290.87   773.7 2290.38  774.29 2290.01   774.3    2290
  774.46 2289.91  775.91    2289  776.87 2288.39  777.51    2288  778.27 2287.52
  779.11    2287   779.7 2286.64  780.72    2286  781.15 2285.74  782.34    2285
  782.62 2284.82  783.95    2284  784.45 2283.78  784.77 2283.57  785.76    2283
  786.89 2282.57  788.06 2282.26  788.85 2282.01     789    2282  789.35 2281.86
  789.89 2281.61  791.55    2281   791.6 2280.98  792.28 2280.72  793.92 2280.07
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  794.09    2280  796.37  2279.1  796.48 2279.06  796.63    2279  796.77 2278.95
  799.32    2278   801.9 2277.14  801.99 2277.12  802.36 2277.04   802.5    2277
  805.46 2276.28  806.57    2276  811.31    2275  811.32    2275   815.3 2274.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  313.51    .027   527.5    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        313.51   527.5           335.32   268.3   235.1             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2229.59    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.37    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2227.22    Reach Len. (ft)          335.32     268.30     235.10
  Crit W.S. (ft)           2227.22    Flow Area (sq ft)         17.67     950.99
  E.G. Slope (ft/ft)      0.006195    Area (sq ft)              17.67     950.99
  Q Total (cfs)           11807.00    Flow (cfs)                45.46   11761.54
  Top Width (ft)             220.98    Top Width (ft)           26.12     194.86
  Vel Total (ft/s)            12.19    Avg. Vel. (ft/s)          2.57      12.37
  Max Chl Dpth (ft)            6.28    Hydr. Depth (ft)          0.68       4.88
  Conv. Total (cfs)       150007.8    Conv. (cfs)              577.6   149430.2
  Length Wtd. (ft)           268.43    Wetted Per. (ft)         26.16     197.12
  Min Ch El (ft)           2220.94    Shear (lb/sq ft)          0.26       1.87
  Alpha                       1.03    Stream Power (lb/ft s)  815.30       0.00       0.00
  Frctn Loss (ft)             1.70    Cum Volume (acre-ft)      0.19      13.08       0.13
  C & E Loss (ft)             0.00    Cum SA (acres)            0.10       1.22


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 2129

INPUT
Description:
Station Elevation Data    num=     237
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2228.05     .05 2228.05    7.23    2228   21.32 2227.89   22.34 2227.89
   23.68 2227.87   33.34 2227.79   37.44 2227.75      44 2227.66   74.45    2227
   83.36 2226.79   86.32 2226.73   98.29 2226.47   110.2 2226.29  115.97 2226.23
  117.46 2226.23  121.09 2226.18  122.56 2226.18  126.72 2226.15  140.13 2226.12
   157.6 2226.04  159.69 2226.03  175.98    2226  186.31 2225.97   186.7 2225.97
  193.45 2225.98   197.8    2226   200.8 2226.01  200.92 2226.01  200.98 2226.01
  223.28 2226.13  225.42 2226.14  227.36 2226.15  228.06 2226.15  230.66 2226.18
  231.51 2226.18  246.68 2226.35  256.18 2226.44  273.21 2226.63  277.01 2226.72
   280.1 2226.79  283.22 2226.82  286.05 2226.81  286.36 2226.81  288.09 2226.91
  288.25 2226.91  290.17    2227  291.54    2227  295.12    2227  297.86 2226.43
  299.99    2226  303.39 2225.31  303.82 2225.29  304.74 2225.27  305.62 2225.28
  306.22 2225.29  306.93 2225.32  307.73 2225.35   308.6 2225.36   309.5 2225.41
  310.42  2225.4  312.65 2225.52  313.05 2225.54  313.44 2225.55  314.59 2225.53
  315.69 2225.53  316.86 2225.55  320.17 2225.54  320.52 2225.55  320.64 2225.54
  320.98 2225.51   325.5 2225.27  330.51    2225  331.25 2224.98  332.26 2224.98
  333.27 2224.98   334.9    2225  337.39 2225.05  338.18    2225  346.02  2224.4
  361.27 2223.18  362.32  2223.1  362.39 2223.09  362.53 2223.08  363.52    2223
  368.83 2222.53  370.83 2222.31  371.31 2222.28  371.72 2222.27  371.94 2222.27
  373.32    2222  377.25  2221.3   379.1    2221  379.41 2220.93  384.89    2220
  389.03 2219.61  390.91  2219.5  391.46 2219.47  391.95 2219.44  393.06 2219.39
  393.81 2219.35   400.4    2219  414.61 2218.79  416.22 2218.76  419.86  2218.7
  425.82 2218.62  429.53 2218.55  437.88 2218.37  446.83 2218.29  448.67 2218.26
  450.08 2218.24  450.22 2218.24  451.78 2218.22  453.08  2218.2  469.13 2218.02
   471.4    2218  471.73    2218  474.83    2218  479.62 2217.99  480.38 2217.99
  487.27 2217.98  493.57 2217.99  495.39 2217.99  498.63 2217.99  501.96 2217.99
  503.44 2217.99  504.06 2217.99  504.99 2217.99  506.86    2218   508.1    2218
  508.99    2218  511.55  2218.1  517.48    2219  518.52 2219.42   519.6    2220
  520.73 2220.51  521.78    2221  522.56 2221.48  522.87  2221.5  523.41 2221.52
  527.19 2221.58  531.45 2221.97  531.58 2221.97  532.02 2221.97  532.75 2221.97
  535.54 2221.98   535.6 2221.98  535.66 2221.98  536.96    2222   539.8 2222.71
  541.14    2223  544.64 2223.97  544.75    2224   544.8 2224.01  547.77  2224.8
  548.51    2225  550.01 2225.47  551.93    2226  553.87 2226.59  555.01    2227
  555.31 2227.11  557.38    2228  557.85 2228.25  559.49    2229  560.76 2229.47
   561.7    2230  564.04 2230.68  565.04    2231  567.46 2231.62  569.44    2232
  569.84 2232.09  570.15 2232.13  572.57 2232.53  574.33 2232.77   576.2    2233
  580.07 2233.65  582.26    2234  585.55 2234.63  587.83    2235     593 2235.94
  593.24    2236  594.43 2236.28  596.73    2237  597.81 2237.35  600.03    2238
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  601.79 2238.59  603.06    2239  605.45 2239.81  606.13    2240  608.83 2240.93
  609.06    2241  609.27 2241.06   610.9 2241.64  612.06 2241.99  612.08 2241.99
  612.11    2242  612.86 2242.17  616.19 2242.81  617.13    2243  621.15 2243.72
  622.68    2244  627.02 2244.75  628.48    2245  632.19 2245.68  634.24    2246
  639.83 2246.87  640.04  2246.9  640.56    2247  643.48 2247.51  645.93    2248
  646.92 2248.19  650.48 2248.72  651.75 2248.93  653.55    2249  653.56    2249
  655.26    2249  655.27    2249  656.64 2248.95  656.78 2248.93  657.09 2248.89
  664.54 2248.22  666.37    2248  670.09 2247.59  674.75    2247  676.22 2246.78
  677.77 2246.62  684.21 2246.15  685.58 2246.05  687.03    2246  707.36 2245.04
  707.39 2245.04  707.44 2245.05  707.54 2245.05   707.6 2245.06  707.74 2245.08
  710.35 2245.55  710.77 2245.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   325.5    .027  547.77    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         325.5  547.77           355.08  276.67  159.01             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2226.89    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.38    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2224.51    Reach Len. (ft)          276.67     276.67     276.67
  Crit W.S. (ft)           2224.51    Flow Area (sq ft)                   953.71
  E.G. Slope (ft/ft)      0.006452    Area (sq ft)                        953.71
  Q Total (cfs)           11807.00    Flow (cfs)                        11807.00
  Top Width (ft)            202.16    Top Width (ft)                      202.16
  Vel Total (ft/s)           12.38    Avg. Vel. (ft/s)                     12.38
  Max Chl Dpth (ft)           6.53    Hydr. Depth (ft)                      4.72
  Conv. Total (cfs)       146996.3    Conv. (cfs)                       146996.3
  Length Wtd. (ft)          276.67    Wetted Per. (ft)                    203.48
  Min Ch El (ft)           2217.98    Shear (lb/sq ft)                      1.89
  Alpha                       1.00    Stream Power (lb/ft s)    710.77       0.00       0.00
  Frctn Loss (ft)             1.75    Cum Volume (acre-ft)        0.12       7.21       0.13
  C & E Loss (ft)             0.20    Cum SA (acres)


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1853

INPUT
Description:
Station Elevation Data    num=     144
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2227.21    3.51 2227.33    9.96 2227.47   10.04 2227.47   23.87 2227.46
   44.85 2227.19   45.94 2227.18    53.4    2227   54.15 2226.99   55.74 2226.97
   64.97 2226.82   83.88 2226.63   84.62 2226.62   89.86 2226.56   93.46  2226.5
  123.19    2226  139.33 2225.75  144.97 2225.69  159.09 2225.51  160.03  2225.5
  160.91 2225.48  162.43 2225.46  164.09 2225.44  178.06 2225.26  190.67    2225
  203.58 2224.69  205.81 2224.66  207.81 2224.64  210.55 2224.61  213.79 2224.58
  244.23 2224.08  249.07    2224  256.27 2223.89  257.64 2223.86  266.18 2223.72
  282.69 2223.45  289.65 2223.34  301.82 2223.14  309.97    2223  319.11 2222.81
     325 2222.69  343.18 2222.28  350.59 2222.11  355.34    2222  360.28 2221.87
  369.67 2221.62  384.52 2221.23  393.77    2221   417.2 2220.61  420.74 2220.57
  426.18 2220.47  440.79  2220.3  448.43  2220.2  464.19    2220  466.82 2219.85
  473.91 2219.41  480.53    2219  487.76 2218.37  490.73    2218  490.74    2218
  490.75    2218  492.23    2218  492.78    2218  493.05    2218  495.76 2217.99
  496.25 2217.99  497.49 2217.99  498.42 2217.99  499.73 2217.99  500.35 2217.99
  502.09 2217.99  503.36 2217.99  503.93 2217.99  505.81 2217.99  511.24 2217.86
     516 2217.79  520.53 2217.73  529.63 2217.58  536.47 2217.47  544.56  2217.3
   560.6    2217  560.71    2217  560.82    2217  577.69 2216.77   579.6 2216.74
   587.3 2216.58  606.43 2216.13  611.87 2216.01  612.34 2216.01   613.4    2216
  627.99 2215.97  630.16 2215.97  640.26 2215.77  658.21 2215.47  659.22 2215.46
  662.34 2215.44  665.72 2215.42  669.08 2215.39   690.6 2215.18  694.47 2215.23
     703 2215.39  703.33 2215.38  703.56 2215.37  703.73 2215.37  703.83 2215.37
  703.89 2215.37  703.92 2215.37  703.93 2215.38  706.01    2216  708.77 2216.88
  709.16 2216.99  709.41 2216.99  709.44 2216.99  709.71    2217     710    2217
  710.01    2217  710.14 2217.01  710.55 2217.02  731.21 2217.74  737.97 2217.77
  748.27 2217.81  755.48 2217.84  762.17 2217.83  762.26 2217.83  769.55  2217.8
  769.64  2217.8  782.92 2217.87   792.5 2217.98  795.36 2217.99  798.96    2218
  801.98 2218.12  807.13 2218.31  813.71 2218.54  818.19 2218.72  825.58    2219
  839.44  2219.9  841.17    2220  842.37 2220.11  853.72    2221  858.23 2221.38
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   866.1    2222  871.44 2222.52  877.36    2223   884.7  2223.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  473.91    .027  818.19    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        473.91  818.19           274.34  232.77  181.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2222.57    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.73    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2220.84    Reach Len. (ft)          274.34     232.77    181.95
  Crit W.S. (ft)           2220.84    Flow Area (sq ft)         38.23    1317.44     39.88
  E.G. Slope (ft/ft)      0.006243    Area (sq ft)              38.23    1317.44     39.88
  Q Total (cfs)           14240.00    Flow (cfs)                85.09   14004.96    149.95
  Top Width (ft)            448.51    Top Width (ft)            70.71     344.28     33.53
  Vel Total (ft/s)           10.20    Avg. Vel. (ft/s)           2.23      10.63      3.76
  Max Chl Dpth (ft)           5.66    Hydr. Depth (ft)           0.54       3.83      1.19
  Conv. Total (cfs)       180230.6    Conv. (cfs)             1076.9   177255.8    1897.9
  Length Wtd. (ft)          232.42    Wetted Per. (ft)          70.73     344.64     33.60
  Min Ch El (ft)           2215.18    Shear (lb/sq ft)           0.21       1.49      0.46
  Alpha                       1.07    Stream Power (lb/ft s)   884.70       0.00      0.00
  Frctn Loss (ft)             1.54    Cum Volume (acre-ft)      11.61      37.11      7.59
  C & E Loss (ft)             0.06    Cum SA (acres)             8.34       5.75      4.10


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1620

INPUT
Description:
Station Elevation Data    num=     335
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2222.63    5.91 2222.75     6.3 2222.76   10.52 2222.79   10.87 2222.78
   10.93 2222.79   13.96 2222.87   16.95 2222.99   17.65    2223   17.78    2223
   17.92    2223      18    2223    18.8  2223.1   25.61 2223.45   30.23  2223.7
   32.77 2223.96   33.38 2223.97   33.88 2223.99    34.1 2223.99   34.32    2224
   35.52 2224.13   38.57 2224.21   39.24 2224.16   41.72    2224    42.3 2223.96
   42.36 2223.96   43.85  2223.9   45.89 2223.87   48.65 2223.85   62.58 2223.74
   63.07 2223.73    78.8 2223.46    99.5    2223  109.42 2222.86  111.06 2222.84
  111.61 2222.83  114.61 2222.75  117.96 2222.66  121.12 2222.55  128.05 2222.42
  134.02 2222.27  138.59 2222.11  142.79 2222.06  149.55 2222.02  149.62 2222.01
  149.65 2222.01  151.01    2222  157.91 2221.96  165.04 2221.86  165.93 2221.87
  171.05 2221.75  172.88 2221.76  175.87 2221.78  188.47 2221.61  196.84 2221.52
  203.36 2221.51  210.26 2221.49  243.79 2221.65  245.88 2221.64  248.32 2221.63
  250.88 2221.62  255.06 2221.64  259.73 2221.64  262.97 2221.63  265.25 2221.63
  267.76 2221.62  278.38 2221.55   281.2 2221.53  290.27  2221.4  307.31 2221.11
  312.85    2221  314.21 2220.99  314.62 2220.98   316.3 2220.99  316.87 2220.99
  317.87    2221  327.17 2221.01  330.69 2221.01   332.4 2221.01  334.17 2221.01
  337.25    2221  343.47    2221   347.6 2220.69   349.4 2220.65  350.14 2220.64
  350.97 2220.61  351.72 2220.58  352.14 2220.57  353.07 2220.56  354.05 2220.56
  354.55 2220.54   356.6 2220.55   357.8 2220.53  359.08 2220.51  360.83 2220.48
  361.63 2220.45  363.77 2220.41  364.47 2220.38   366.8 2220.36  377.64 2220.02
  378.32 2220.02  379.78 2220.02  380.45 2220.02  381.82 2220.02  393.45 2220.02
     399 2220.02  402.99 2220.02  404.43 2220.02  406.61 2220.02  407.88 2220.02
  409.96 2220.01  413.96 2220.01  415.09 2220.01  416.56    2220  416.81    2220
  417.99    2220  418.69    2220     420 2219.94  420.45 2219.93  420.76 2219.93
  421.12 2219.92  421.59 2219.91  422.29 2219.89  427.25 2219.68  454.13    2219
  455.98 2218.91  460.19 2218.77  461.28 2218.71  476.83    2218  478.71 2217.59
  481.24    2217  483.02 2216.57  485.45    2216  489.38 2215.02  489.51 2215.01
  489.61 2215.01  489.69 2215.01  489.88    2215  489.89    2215   489.9    2215
   490.2    2215   490.3    2215   491.2    2215  491.76    2215  494.66    2215
  498.43    2215  498.88    2215  501.02    2215   501.1    2215  501.24    2215
  501.59    2215  503.22    2215  503.44    2215  504.78    2215  504.99    2215
  507.08    2215   507.3 2215.02  507.35 2215.02  507.91 2215.04  523.11 2215.66
  524.39 2215.68  525.07  2215.7  535.21 2215.78  538.41 2215.81  538.76  2215.8
  539.03  2215.8  543.07 2215.73  544.28  2215.7  544.91 2215.68  559.01    2216
  566.71 2216.13  566.98 2216.13  568.12  2216.1  568.82 2216.08  569.28 2216.09
  569.52 2216.11  569.94 2216.15  570.48 2216.21  571.53 2216.31  577.81 2216.66
  578.53 2216.76   579.3 2216.81  579.85 2216.83  580.33 2216.84  580.64 2216.83
  581.45 2216.64  583.04 2216.14  584.04 2216.09  584.26    2216  585.72 2215.56
  587.55    2215  590.38 2214.15  590.86    2214  591.89    2214  592.39    2214
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  593.76    2214   594.5 2213.99  598.36 2213.99  599.24 2213.99  600.88 2213.98
  602.23 2213.98  603.13 2213.98  607.74 2213.97  610.98 2213.97  615.66 2213.98
  624.95 2213.99  625.11 2213.99  627.69  2213.9  628.31 2213.92  629.92 2213.96
  630.95    2214   631.1    2214  631.15    2214  631.73 2214.09  636.16    2215
  638.17 2215.44  640.43    2216  641.65 2216.29  644.81    2217  646.16 2217.31
  646.29 2217.34  646.87 2217.47  647.39 2217.57  647.96 2217.67  649.35 2217.96
  649.63 2217.94  649.68 2217.94  649.74 2217.94  654.15    2217  654.85 2216.74
  656.78    2216   657.5 2215.47  658.19    2215  659.19 2214.31  659.65    2214
  660.61 2213.35  660.77  2213.3   662.6    2213  671.48 2212.99  676.31 2212.94
   683.1 2212.88  690.67 2212.82  692.64  2212.8  695.19 2212.77  698.67 2212.72
  705.07 2212.66  707.02 2212.63  711.52 2212.58  713.45 2212.55  729.44 2212.57
  748.02 2212.64  749.26 2212.61  749.42 2212.61  749.51 2212.62  749.82    2213
  750.01  2213.3  750.32    2214  750.63 2214.61  750.91    2215   751.3 2215.65
  751.52    2216  797.59 2216.04   799.6 2216.04  804.33 2216.04  805.95 2216.04
     812 2216.03  816.44 2216.03  840.79 2216.12  841.22 2216.12  842.54 2216.11
  853.55    2216  856.49    2216  861.53    2216  875.96 2215.99  890.61 2215.99
  907.21 2215.99  920.74 2215.99   935.3    2216  936.83    2216  937.53    2216
  938.75    2216   939.3    2216  939.55    2216  939.75    2216  941.02    2216
  941.45    2216  946.22 2216.17  948.27 2216.24  954.53 2216.49  962.98 2216.74
  964.91 2216.82  965.87 2216.85  966.56 2216.87  970.15 2216.95  972.08    2217
  980.87 2217.34  988.35 2217.61  999.64    2218 1002.42 2218.17 1004.48  2218.3
 1009.29 2218.57 1014.77 2218.87 1016.24 2218.94 1017.47    2219 1024.28 2219.38
 1025.85 2219.47 1026.71 2219.54 1027.59 2219.62 1031.47    2220 1037.31 2220.91
 1038.08    2221 1039.04 2221.16 1044.02    2222  1048.5 2222.74 1050.25    2223
 1051.22 2223.14 1055.01  2223.7 1055.62 2223.78 1057.26    2224  1058.1 2224.12
 1064.47    2225 1067.98 2225.51 1071.06    2226 1072.09 2226.14 1077.01    2227
 1080.07 2227.52  1082.8    2228  1087.7 2228.91 1088.22    2229 1088.83 2229.09
 1088.92  2229.1 1089.03  2229.1 1089.86 2229.16 1090.61  2229.2 1090.99 2229.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  569.94    .027  861.53    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        569.94  861.53             217.9  196.72  178.34             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2219.85    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.52    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2218.33    Reach Len. (ft)          217.90     196.72    178.34
  Crit W.S. (ft)           2218.33    Flow Area (sq ft)        246.66    1047.44    265.23
  E.G. Slope (ft/ft)      0.007018    Area (sq ft)             246.66    1047.44    265.23
  Q Total (cfs)           14240.00    Flow (cfs)              1593.91   11225.55   1420.54
  Top Width (ft)            535.41    Top Width (ft)           100.34     291.59    143.48
  Vel Total (ft/s)            9.13    Avg. Vel. (ft/s)           6.46      10.72      5.36
  Max Chl Dpth (ft)           5.78    Hydr. Depth (ft)           2.46       3.59      1.85
  Conv. Total (cfs)       169980.5    Conv. (cfs)             19026.3   133997.5   16956.7
  Length Wtd. (ft)          197.04    Wetted Per. (ft)         100.72     295.55    143.53
  Min Ch El (ft)           2212.55    Shear (lb/sq ft)           1.07       1.55      0.81
  Alpha                       1.18    Stream Power (lb/ft s)  1090.99       0.00      0.00
  Frctn Loss (ft)             1.01    Cum Volume (acre-ft)       10.71      30.79      6.95
  C & E Loss (ft)             0.16    Cum SA (acres)              7.80       4.05      3.73


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1423

INPUT
Description:
Station Elevation Data    num=     255
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2225.45    2.16 2225.22    4.49    2225    6.79 2224.75   14.03    2224
   20.66 2223.47   25.33    2223   29.89 2222.61   38.39    2222   47.37 2221.26
   50.18    2221   54.72 2220.62   60.71 2220.27   61.99 2220.19   64.84    2220
      66 2219.93      82    2219   85.05 2218.81   98.05    2218  106.24 2217.77
  108.31 2217.71  117.53 2217.44  124.28 2217.25   132.8    2217  132.94    2217
  134.07    2217  173.54  2216.7  196.03 2216.54  205.69 2216.51  209.01  2216.5
  212.97  2216.5  216.83 2216.49  230.47  2216.5   245.4 2216.54  255.45 2216.51
  267.38 2216.45     270 2216.47  273.27 2216.44  275.75 2216.45  279.59 2216.44
  281.88 2216.44  284.04 2216.44  292.38 2216.43  296.55 2216.42  301.45 2216.42
   304.7 2216.42  313.72 2216.42  339.02 2216.32  339.58 2216.32  341.23 2216.32
  347.91  2216.3  357.25  2216.3   363.4 2216.29  368.78 2216.29  378.63  2216.3
```

```
  383.02 2216.31   389.5 2216.33  392.55 2216.34  401.37 2216.37  424.53 2216.44
  427.41 2216.44  430.34 2216.45  435.87 2216.45  438.73 2216.46  441.89 2216.48
  449.84 2216.53   468.6 2216.53  472.47 2216.55  477.11 2216.56  493.24 2216.58
     499 2216.56  503.37 2216.56  509.34 2216.53  513.48 2216.52  517.36 2216.49
  521.72 2216.46  530.84 2216.35  534.43 2216.32  536.92 2216.29  547.33 2216.21
  550.35 2216.19   552.4 2216.19   559.1 2216.14   592.9 2216.08  599.91 2216.06
  608.46 2216.03  614.06    2216  618.36 2215.98  618.48 2215.98  618.96 2215.98
  629.77 2215.92  630.01 2215.92  639.49 2215.85  644.22  2215.8  652.92 2215.73
  655.73  2215.7   658.8 2215.65  667.07 2215.53  677.81 2215.41  680.68 2215.38
  682.64 2215.35  703.77    2215  716.18 2214.65  740.75    2214  740.98    2214
  741.32    2214  745.18    2214  748.77 2213.99  752.92 2213.99  756.46 2213.99
   760.8 2213.99   770.6    2214  771.41    2214  772.33 2214.07  772.42 2214.08
  772.51 2214.08  772.59 2214.09  776.44 2214.23  778.33  2214.3  783.92    2214
  784.79    2214  784.94    2214  785.03    2214  785.27 2213.78  785.65 2213.28
  785.82    2213  786.06 2212.72  786.46    2212  786.74 2211.73  787.15    2211
  788.25 2210.08  788.34    2210   788.6    2210  788.99    2210  789.79    2210
  790.21    2210  790.67    2210  790.79    2210  791.22 2210.05  791.56 2210.03
  791.73 2210.03  793.85  2210.1  793.96 2210.09  799.37 2210.15  820.86 2210.37
  822.26 2210.39  833.21 2210.53  835.41 2210.56  837.07 2210.58  838.87  2210.6
  869.12    2211  869.97 2211.49  871.04    2212  872.61 2212.86  872.85    2213
  873.13 2213.17  874.75    2214  876.67 2214.98   876.7    2215  876.93 2215.12
  878.72    2216  878.78    2216  880.34    2216  881.94    2216  883.65    2216
   885.4    2216  891.18    2216  893.22 2215.78  895.81 2215.42  898.53    2215
  904.43 2214.04  904.67    2214   904.7    2214  904.71    2214  905.34    2214
  922.39 2213.97     927 2213.97  927.72 2213.98  928.34 2213.98  929.16 2213.98
  929.95 2213.98  934.29 2213.98  941.16 2213.98  942.22 2213.99  944.26    2214
  946.95 2214.16  951.29 2214.41  953.49 2214.49  955.69 2214.62  970.94    2215
  971.98    2215  972.04    2215  972.31    2215  974.55    2215  974.73    2215
  977.48 2215.05  977.76 2215.05 1003.37 2215.17 1016.69 2215.16 1030.59 2215.14
 1031.73 2215.13 1038.03 2215.11 1038.83 2215.11 1044.06  2215.1 1050.64 2215.08
 1054.97 2215.07 1059.21 2215.09 1066.24 2215.11 1097.27 2215.09  1131.8 2215.01
 1131.85 2215.01 1133.49    2215 1136.42    2215 1138.75    2215 1138.91    2215
 1139.07    2215 1140.99    2215 1141.15    2215 1143.12 2215.03 1147.83 2215.09
 1148.45  2215.1 1149.03 2215.11 1149.65 2215.12 1150.51 2215.14 1165.81 2215.41
 1192.45 2215.84  1198.8    2216 1201.45  2216.1 1207.88 2216.31 1214.54 2216.49
 1215.91 2216.54  1216.6 2216.57 1223.06    2217 1228.96 2217.36 1239.22    2218
 1243.85 2218.41 1248.77    2219 1253.86 2219.53 1258.13    2220  1266.3 2220.92
 1266.97    2221 1267.91 2221.11 1276.43    2222 1285.07 2222.85 1286.15    2223
 1288.01 2223.31 1291.81    2224 1294.84 2224.48 1297.78    2225  1302.1 2225.74
 1303.67    2226 1305.14 2226.27 1309.47    2227 1310.21 2227.14 1311.92 2227.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  745.18    .027  946.95    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        745.18  946.95           229.84  230.59  229.56             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2218.45    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.00    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2217.45    Reach Len. (ft)          229.84     230.59     229.56
  Crit W.S. (ft)           2217.45    Flow Area (sq ft)        783.74     951.03     609.34
  E.G. Slope (ft/ft)      0.003929    Area (sq ft)             783.74     951.03     609.34
  Q Total (cfs)           14240.00    Flow (cfs)              2417.46    9122.10    2700.44
  Top Width (ft)           1113.29    Top Width (ft)           628.04     201.77     283.47
  Vel Total (ft/s)            6.07    Avg. Vel. (ft/s)           3.08       9.59       4.43
  Max Chl Dpth (ft)           7.45    Hydr. Depth (ft)           1.25       4.71       2.15
  Conv. Total (cfs)       227173.4    Conv. (cfs)             38566.2   145526.6   43080.6
  Length Wtd. (ft)          230.33    Wetted Per. (ft)         628.07     205.12     283.54
  Min Ch El (ft)           2210.00    Shear (lb/sq ft)           0.31       1.14       0.53
  Alpha                       1.74    Stream Power (lb/ft s)  1311.92       0.00       0.00
  Frctn Loss (ft)             0.78    Cum Volume (acre-ft)       8.13      26.28       5.16
  C & E Loss (ft)             0.02    Cum SA (acres)             5.98       2.93       2.86


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1193

INPUT
Description:
Station Elevation Data    num=     200
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
      0 2219.64     1.5 2219.58   11.16    2219   19.73 2218.68   25.39 2218.48
   34.78    2218   52.71  2217.4   64.21    2217   95.52 2216.49   97.92 2216.45
  123.22    2216  179.18 2215.54  230.32 2215.09   236.7 2215.04  238.21 2215.02
  240.75    2215  240.81    2215  240.97    2215  241.83    2215  242.44    2215
  259.44 2214.85  261.44 2214.84  301.84 2214.54  310.57 2214.48  317.65 2214.44
  334.92 2214.31  342.22 2214.27  359.97 2214.14  362.59 2214.12  364.13 2214.12
  367.43  2214.1  381.06    2214  386.03 2213.97  386.22 2213.97  435.81 2213.84
  477.76 2213.82  479.87 2213.83  482.31 2213.82   485.1 2213.81     487 2213.81
  488.26 2213.81  520.74 2213.88  521.67 2213.88  526.11 2213.89  554.34 2213.89
  556.32 2213.89  557.05  2213.9  559.86  2213.9  566.54 2213.89  567.28 2213.89
  572.59 2213.88  576.73 2213.88   581.4 2213.87  584.87 2213.85  590.44 2213.82
  591.44 2213.82  596.64 2213.79   600.8 2213.76  618.31 2213.68  632.43 2213.62
  639.33 2213.61  645.03 2213.57  649.34 2213.54  654.33  2213.5  659.77 2213.44
  662.65 2213.43  681.05 2213.22  682.82 2213.21  690.72 2213.13   702.9 2213.01
  703.12 2213.01  703.46 2213.01  704.08    2213  727.08 2212.87   727.6 2212.87
  749.87    2213  750.05    2213  750.54    2213  750.67    2213  760.08 2213.03
  761.98 2213.03   769.4    2213  770.01    2213  770.06  2212.9  770.76    2212
  770.83 2211.93  771.23 2211.42  771.42 2211.29  771.44    2211     772 2210.03
  772.01    2210  772.47 2209.71  772.62    2209  772.94 2208.84  773.14    2208
  773.69 2207.31  774.16 2207.31  777.63 2207.35  782.39 2207.42  783.91 2207.47
  785.79 2207.52  786.51 2207.53  786.97 2207.54  787.49 2207.55  793.08 2207.65
   801.2  2207.8  801.79 2207.81  802.23 2207.82  802.55 2207.83  803.18 2207.84
  806.03 2207.87  808.05 2207.89  808.37 2207.88  809.06 2207.88  814.98 2207.86
  820.59 2207.84  832.69 2207.94  839.77    2208  852.23 2208.12  852.59 2208.12
   868.1  2208.1  872.34 2208.38  875.44 2208.41   877.5 2208.48  878.53 2208.55
  879.01 2208.61  882.01    2209     888 2209.03  889.16 2209.03  918.41 2209.89
     921 2209.96   921.1 2209.95  921.59    2210  923.23 2210.77  923.75    2211
  923.97  2211.1  924.54 2211.36  925.96    2212  927.25 2212.61  928.12    2213
  928.42    2213  929.07    2213  929.42    2213  930.57    2213   931.3    2213
  932.22    2213  933.42    2213  936.94    2213  940.86    2213  941.02    2213
  946.09 2212.59  953.42    2212  955.27    2212  959.18 2211.98  961.25 2211.97
  965.19 2211.96  965.86 2211.96  966.62 2211.95  969.99 2211.94  970.11 2211.94
  970.34 2211.94   982.1 2211.98  987.55 2211.99  988.98 2211.99  991.59    2212
  993.53 2212.06  996.98 2212.18 1009.52 2212.65 1012.25 2212.76 1017.77 2212.99
 1018.07 2212.99 1018.38    2213 1018.54    2213  1018.7    2213 1018.78    2213
 1019.87 2213.03 1020.37 2213.03 1022.89 2213.09 1043.14 2213.43 1053.11 2213.55
 1056.55 2213.57 1088.56 2213.79 1091.42 2213.83 1094.53 2213.86 1095.76 2213.88
 1102.97    2214 1126.63 2214.33  1178.1    2215 1200.29 2215.73 1207.24    2216
 1211.43 2216.16 1234.51    2217 1246.25 2217.42 1260.93    2218    1282 2218.67
 1291.85    2219 1294.04 2219.11 1314.88    2220 1321.84 2220.47 1324.28 2220.63

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  750.67    .027  923.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        750.67  923.97           203.99  222.89  250.21             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2216.41    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.23    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2215.18    Reach Len. (ft)          203.99     222.89     250.21
  Crit W.S. (ft)           2215.18    Flow Area (sq ft)        670.72    1084.74     457.74
  E.G. Slope (ft/ft)      0.002964    Area (sq ft)             670.72    1084.74     457.74
  Q Total (cfs)           14240.00    Flow (cfs)              1812.32   10885.52    1542.17
  Top Width (ft)            963.57    Top Width (ft)           530.64     173.30     259.62
  Vel Total (ft/s)            6.43    Avg. Vel. (ft/s)           2.70      10.04       3.37
  Max Chl Dpth (ft)           7.87    Hydr. Depth (ft)           1.26       6.26       1.76
  Conv. Total (cfs)       261555.9    Conv. (cfs)             33288.1   199941.8    28326.0
  Length Wtd. (ft)          223.07    Wetted Per. (ft)         530.65     176.97     260.11
  Min Ch El (ft)           2207.31    Shear (lb/sq ft)           0.23       1.13       0.33
  Alpha                       1.91    Stream Power (lb/ft s)  1324.28       0.00       0.00
  Frctn Loss (ft)             0.74    Cum Volume (acre-ft)       4.30      20.89       2.35
  C & E Loss (ft)             0.04    Cum SA (acres)             2.93       1.94       1.43


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 970

INPUT
Description:
Station Elevation Data    num=     186
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
```

```
      0 2216.32    29.5 2216.06   30.29 2216.06   30.45 2216.05   30.74 2216.05
  31.38 2216.04    31.9 2216.04   35.74    2216  107.65 2215.21  115.47  2215.1
 123.05    2215  123.33    2215   129.5 2214.94  146.76 2214.81  149.96 2214.77
 173.77 2214.58  178.74 2214.52  188.26 2214.45  214.17 2214.08  214.86 2214.07
 215.47 2214.06   219.9    2214  220.07    2214  239.63 2213.83  261.73 2213.65
  286.4 2213.45  300.55  2213.3  308.05 2213.24   328.4 2213.01  329.49 2213.01
  330.1    2213  333.99    2213   338.7    2213  339.62    2213  340.51    2213
 344.63 2212.99  404.38 2212.67  449.97 2212.44  455.15 2212.39  466.88 2212.38
 469.62 2212.38   473.7 2212.38  476.02 2212.38  480.56 2212.33  483.18 2212.33
 488.57 2212.29  492.97 2212.28  494.87 2212.28  502.53 2212.23  502.85 2212.23
 506.37 2212.22  507.25 2212.21  507.53 2212.21  508.57 2212.21  533.45 2212.01
  534.3 2212.01  535.06 2212.01  540.89 2212.01  544.65 2212.01  553.13    2212
 554.74    2212  566.86    2212  587.45  2211.6  589.08 2211.58  595.92 2211.46
 599.11 2211.41  622.29 2211.04  627.35 2211.04   627.7 2211.04  627.95 2211.04
  628.6 2211.04  628.84 2211.04   630.4 2211.04  633.49 2211.04  636.67 2211.05
 636.97 2211.05  637.51 2211.05  639.33 2211.05   642.8 2211.04  643.24 2211.04
 644.29 2211.04  645.18 2211.04  646.35 2211.04  650.33    2211  668.35 2210.48
 681.59    2210  681.88 2209.27  681.96    2209  682.09 2208.57  682.44    2208
 682.65 2207.44  682.86    2207  683.57 2206.28  683.73    2206  684.27 2205.19
 685.14 2205.13  687.82 2205.03  689.21    2205  690.29    2205  690.81    2205
 691.87 2204.99  692.78 2204.99  706.62 2204.98  710.97 2204.97  715.91 2204.98
  722.7 2204.98  730.04 2204.99  733.54    2205  741.62 2205.34  746.33 2205.51
 748.63 2205.59  751.19 2205.66  754.28 2205.75  756.69 2205.79  757.79 2205.84
 759.04 2205.91  759.64 2205.93  760.59 2205.98  761.06    2206   761.1    2206
 761.15    2206  762.96 2206.23  769.18    2207  770.15 2207.02     773 2207.04
 774.86 2207.06  776.14 2207.05  779.66    2207  781.14 2206.98  783.55 2206.97
 790.13 2206.89  792.45 2206.87  794.45 2206.85  796.96 2206.88  807.21    2207
 807.53 2207.24  808.56    2208  808.91 2208.29  810.16    2209  810.92 2209.62
 811.44    2210  812.19 2210.78  812.51    2211  814.86    2211  818.47 2211.01
 821.25 2211.01  823.15    2211  824.66    2211   828.5 2210.49  831.43    2210
 831.83 2209.98  832.13 2209.97  832.32 2209.97  832.43 2209.97  833.31    2210
 833.42    2210  837.19 2210.42  838.95 2210.44  840.08 2210.46  842.09 2210.52
 844.85 2210.62  852.51    2211   871.3 2211.45  882.58 2211.71  883.71 2211.73
 893.66    2212  903.78 2212.26  934.02    2213  946.33 2213.35  969.14    2214
  987.3 2214.55 1003.82    2215 1026.74 2215.68 1037.55    2216 1041.97 2216.16
1052.11 2216.48 1067.21    2217 1074.41 2217.25  1093.2    2218 1110.93 2218.75
1117.97    2219 1136.66 2219.51 1143.93 2219.72  1148.9 2219.85 1154.17    2220
1177.79  2220.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  633.49    .027  833.31    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        633.49  833.31           189.81  208.47  233.11             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2215.06    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.61    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2213.46    Reach Len. (ft)          189.81     208.47    233.11
  Crit W.S. (ft)           2213.46    Flow Area (sq ft)        379.16    1168.56    178.61
  E.G. Slope (ft/ft)      0.003741    Area (sq ft)             379.16    1168.56    178.61
  Q Total (cfs)           14240.00    Flow (cfs)              1042.50   12582.05    615.45
  Top Width (ft)            664.60    Top Width (ft)           347.99     199.82    116.78
  Vel Total (ft/s)            8.25    Avg. Vel. (ft/s)           2.75      10.77      3.45
  Max Chl Dpth (ft)           8.49    Hydr. Depth (ft)           1.09       5.85      1.53
  Conv. Total (cfs)       232814.5    Conv. (cfs)             17044.2   205708.1   10062.2
  Length Wtd. (ft)          208.31    Wetted Per. (ft)         348.01     204.27    116.85
  Min Ch El (ft)           2204.97    Shear (lb/sq ft)           0.25       1.34      0.36
  Alpha                       1.52    Stream Power (lb/ft s)  1177.79       0.00      0.00
  Frctn Loss (ft)             0.88    Cum Volume (acre-ft)       1.84      15.13      0.52
  C & E Loss (ft)             0.06    Cum SA (acres)             0.87       0.99      0.35


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 761

INPUT
Description:
Station Elevation Data    num=     153
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2217.32   17.08 2217.15   20.94 2217.12   22.61 2217.11   23.58  2217.1
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   24.57  2217.1   25.24 2217.09   25.84 2217.08   33.19    2217   72.59 2216.67
   95.54 2216.38   96.07 2216.37   96.32 2216.37  116.68    2216  142.07 2215.56
   154.3 2215.35  173.33    2215  212.78 2214.26  228.01    2214  258.59 2213.63
     283 2213.35  309.92    2213  381.99 2212.08  389.35    2212  390.06    2212
  390.37    2212  390.86    2212   392.7 2211.99  393.53 2211.99   394.7 2211.99
  396.29 2211.99   398.4 2211.99  409.47 2211.95  411.51 2211.95  413.48 2211.95
  413.58 2211.95  414.54 2211.94  420.41 2211.94  433.16 2211.93  441.46 2211.91
  503.47 2211.12  510.99 2211.03  511.31 2211.02  511.66 2211.02   512.8    2211
  512.83    2211  513.01    2211  513.19    2211  518.09 2210.91  568.02 2210.34
  591.01 2210.05  591.28 2210.05  594.75    2210  605.73 2209.64  607.39 2209.59
  610.54 2209.49  612.25 2209.43  614.56 2209.35  626.96    2209  634.43 2208.48
  635.37 2208.42  636.63 2208.35  641.19 2208.14  641.44 2208.13  643.48    2208
  643.62    2208   643.7    2208  643.75    2208  643.78    2208  644.62 2207.73
  645.28 2207.49  646.91    2207  649.53  2206.4  650.62 2206.15  651.22    2206
  651.26    2206  653.26 2205.18  653.52 2205.07  653.69    2205  654.17 2204.82
  656.32    2204  656.46 2203.94  657.17  2203.7  658.31 2203.28  659.14    2203
  659.51 2202.98  660.44 2202.93  660.55 2202.93  660.67 2202.93  666.78 2202.59
  680.24 2202.45  690.62 2202.45  693.48 2202.49  695.73 2202.51  712.13  2202.7
  712.35  2202.7  715.58 2202.69  718.81 2202.69  722.07 2202.69  723.43 2202.68
   725.1 2202.68  746.42 2202.61  763.85 2202.87  765.33  2202.9  767.19 2202.91
   775.9 2202.96   785.6    2203   786.2 2203.66   786.4    2204  787.12  2204.7
  787.37    2205  787.75 2205.39  788.23    2206   788.6 2206.42  788.97    2207
  789.03 2207.13  789.69    2208  789.78 2208.17   790.4    2209  792.86 2209.49
  795.18    2210  797.46 2210.07  803.64 2210.26  820.54 2210.78  827.02    2211
  831.52 2211.11  858.15    2212  889.42    2213  889.45    2213  889.48    2213
  900.79  2213.3  924.52    2214  939.95 2214.46  956.51    2215  969.85 2215.44
  984.93    2216 1000.77 2216.58 1007.84  2216.8 1013.77    2217 1023.22 2217.32
 1042.74    2218 1042.95    2218 1043.58 2218.02 1071.38    2219  1074.1 2219.09
 1077.97 2219.21 1092.95 2219.71 1096.65 2219.84 1100.97    2220 1102.92 2220.07
 1127.36    2221 1139.32 2221.46 1150.39 2221.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  591.01    .027  803.64    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        591.01  803.64           294.47  311.58  322.16             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2212.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.20    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2210.65    Reach Len. (ft)          311.58     311.58    311.58
  Crit W.S. (ft)           2210.18    Flow Area (sq ft)         14.80    1194.59      2.50
  E.G. Slope (ft/ft)      0.004798    Area (sq ft)              14.80    1194.59      2.50
  Q Total (cfs)           14240.00    Flow (cfs)                19.23   14218.29      2.49
  Top Width (ft)            275.76    Top Width (ft)            50.37     212.63     12.76
  Vel Total (ft/s)           11.75    Avg. Vel. (ft/s)           1.30      11.90      0.99
  Max Chl Dpth (ft)           8.20    Hydr. Depth (ft)           0.29       5.62      0.20
  Conv. Total (cfs)       205572.6    Conv. (cfs)              277.6   205259.1      35.9
  Length Wtd. (ft)          311.58    Wetted Per. (ft)          50.38     216.54     12.76
  Min Ch El (ft)           2202.45    Shear (lb/sq ft)           0.09       1.65      0.06
  Alpha                       1.02    Stream Power (lb/ft s)  1150.39       0.00      0.00
  Frctn Loss (ft)             0.96    Cum Volume (acre-ft)       0.98       9.47      0.04
  C & E Loss (ft)             0.08    Cum SA (acres)

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoGC     RS: 450

INPUT
Description:
Station Elevation Data    num=     146
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2215.5    17.9 2215.22   29.89 2215.03   31.66    2215   45.11 2214.77
    47.1 2214.74   49.44  2214.7   67.16  2214.4   81.43 2214.26   98.84 2214.02
    99.4 2214.01   99.53 2214.01  100.66    2214  101.04    2214  101.56    2214
  102.12    2214  109.76 2213.86  152.38    2213   196.1  2212.1  201.13    2212
  227.99 2211.62  261.42 2211.15  273.93    2211  288.69 2210.76  313.55 2210.38
  330.98    2210  349.41 2209.53  363.17 2209.39  367.99 2209.32  371.32 2209.27
  380.03 2209.19  382.01 2209.16  391.48 2209.06  396.04    2209  401.38 2208.89
   407.5 2208.75  437.55    2208  444.93 2207.82   446.1  2207.8   447.3 2207.78
  448.24 2207.77  465.18 2207.37  479.57  2207.2  491.27 2207.02  493.01 2207.01
  496.01    2207  504.23 2206.31  504.29 2206.31  508.44    2206  514.81 2205.05
  514.96    2205  515.02 2204.96  516.99    2204  517.11 2203.94  519.04    2203
  519.17 2202.93  521.07    2202  521.24 2201.91   523.1    2201  524.95  2200.1
   525.1    2200   526.6 2199.92  527.77 2199.84  532.33 2199.52  539.73    2199
  540.15    2199  540.18    2199  541.76    2199  542.02    2199  544.23    2199
  544.88    2199  546.92    2199  547.58    2199  576.81 2198.98  579.68 2198.98
   579.7 2198.98  579.79 2198.98  581.78 2198.98  582.03 2198.98  585.09 2198.98
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  603.35 2198.88  611.15 2198.82   611.7 2198.82  611.87 2198.82  615.08 2198.77
  621.36 2198.66  621.76 2198.64  621.93 2198.63  622.05 2198.63  622.15 2198.63
  622.26 2198.63  622.35 2198.62  631.99 2198.66  643.06 2198.72  643.08 2198.72
  643.31    2199  643.52 2199.28   643.9    2200  644.12 2200.29  644.49    2201
   644.8 2201.77  644.98    2202  645.05  2202.8  645.42 2202.88  645.49    2203
  645.79 2203.37  645.87    2204  646.45 2204.86   646.5    2205  646.86  2205.8
  646.92    2206  646.94 2206.07  646.97    2207  647.36 2207.54  647.93    2208
  651.57 2208.49  654.45 2208.85  656.42    2209  659.45 2209.11   660.1 2209.13
  682.95    2210   697.7 2210.55  710.28    2211  732.43 2211.71  743.61    2212
  765.14 2212.69  773.72    2213  779.81 2213.29  798.49    2214   811.6 2214.62
   821.8    2215  831.14 2215.37  832.65 2215.42  846.98    2216  869.04  2216.9
  871.31    2217  875.94  2217.2  882.94 2217.46  893.88 2217.88   896.9    2218
   921.1 2218.98  921.46    2219  924.18 2219.14  941.95    2220  948.26 2220.29
  950.26 2220.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  504.23    .027  659.45    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        504.23  659.45           188.12  190.67  192.49             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2211.80    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.92    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2209.89    Reach Len. (ft)          188.12     190.67    192.49
  Crit W.S. (ft)           2207.67    Flow Area (sq ft)        258.88    1454.46      7.98
  E.G. Slope (ft/ft)      0.002285    Area (sq ft)             258.88    1454.46      7.98
  Q Total (cfs)           17192.00    Flow (cfs)               698.71   16484.64      8.64
  Top Width (ft)            344.44    Top Width (ft)           168.74     155.22     20.48
  Vel Total (ft/s)            9.99    Avg. Vel. (ft/s)           2.70      11.33      1.08
  Max Chl Dpth (ft)          11.26    Hydr. Depth (ft)           1.53       9.37      0.39
  Conv. Total (cfs)       359650.4    Conv. (cfs)             14616.9   344852.8     180.8
  Length Wtd. (ft)          190.62    Wetted Per. (ft)         168.80     162.65     20.49
  Min Ch El (ft)           2198.62    Shear (lb/sq ft)           0.22       1.28      0.06
  Alpha                       1.24    Stream Power (lb/ft s)   950.26       0.00      0.00
  Frctn Loss (ft)             0.64    Cum Volume (acre-ft)       0.72      11.33      0.02
  C & E Loss (ft)             0.17    Cum SA (acres)             0.63       1.50      0.05


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoGC     RS: 259

INPUT
Description:
Station Elevation Data    num=     123
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2214.13    5.97    2214   42.44 2213.36   60.26    2213   90.78 2212.38
   97.61 2212.24   108.3    2212  116.87 2211.86  173.12    2211  177.48 2210.92
  178.16 2210.92  200.06 2210.58  210.63 2210.44  217.98 2210.36  221.73 2210.34
  226.12  2210.3  228.15 2210.28  252.24 2210.19  275.76 2210.02  279.84 2210.01
  281.38    2210  287.54 2209.91  288.85 2209.89  296.96 2209.78  303.39  2209.7
  307.79 2209.65  317.47 2209.54  337.45 2209.29  346.87 2209.17  359.06    2209
  387.94 2208.44  390.11 2208.39  406.26    2208  424.74 2207.46  440.91    2207
  455.84 2206.42  457.99 2206.34  467.44    2206   482.5 2205.02   482.7    2205
  482.72 2204.98  483.78    2204  483.81 2203.97  484.92    2203  485.24 2202.72
  485.96    2202  486.43 2201.54  486.98    2201  487.98 2200.11  488.11    2200
  488.33 2199.77  491.61 2198.74  494.53 2197.76  509.31    2197  514.04 2196.94
  515.75 2196.93  519.22 2196.69  523.35 2196.52  541.88 2196.63  545.11 2196.66
  566.54 2196.79  567.43  2196.8  581.34    2197   581.7 2197.22  582.86    2198
   583.8 2198.95  583.89    2199  583.99 2199.06  585.32    2200  585.42 2200.06
  586.75    2201  587.21 2201.34  588.14    2202  588.75 2202.53   589.3    2203
  590.58  2203.9  590.68    2204  591.01 2204.23  591.44 2204.54  592.22    2205
  592.91 2205.02  595.75 2205.43  598.33  2205.8  599.51  2205.9  599.91    2206
  601.89 2206.62  603.26    2207  608.45  2207.5  613.48    2208  613.71    2208
   613.8    2208  616.72 2208.07  617.84 2208.09  648.97 2208.68  652.64  2208.8
  657.69 2208.93  660.52    2209  666.68 2209.19  674.27 2209.43  688.77    2210
  696.32 2210.31  712.96    2211  743.48 2211.95   743.6 2211.95   743.7 2211.96
  745.19    2212  754.47 2212.31  760.75 2212.51  774.94    2213  783.35 2213.33
  801.06    2214  812.23 2214.47  822.62    2215  833.23 2215.57   841.8    2216
  853.26 2216.43  868.87    2217  871.15 2217.09  895.27    2218  901.98 2218.27
  920.36    2219  932.99 2219.52  944.01 2219.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  455.84    .027  617.84    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        455.84  617.84           204.28  208.22  211.49             .1       .3
```

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2210.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.58	Wt. n-Val.	0.035	0.027	
W.S. Elev (ft)	2207.41	Reach Len. (ft)	204.28	208.22	211.49
Crit W.S. (ft)	2207.41	Flow Area (sq ft)	13.50	1130.32	
E.G. Slope (ft/ft)	0.005481	Area (sq ft)	13.50	1130.32	
Q Total (cfs)	17192.00	Flow (cfs)	25.22	17166.78	
Top Width (ft)	181.17	Top Width (ft)	29.46	151.71	
Vel Total (ft/s)	15.03	Avg. Vel. (ft/s)	1.87	15.19	
Max Chl Dpth (ft)	10.89	Hydr. Depth (ft)	0.46	7.45	
Conv. Total (cfs)	232220.2	Conv. (cfs)	340.7	231879.5	
Length Wtd. (ft)	208.20	Wetted Per. (ft)	29.48	157.06	
Min Ch El (ft)	2196.52	Shear (lb/sq ft)	0.16	2.46	
Alpha	1.02	Stream Power (lb/ft s)	944.01	0.00	0.00
Frctn Loss (ft)	1.14	Cum Volume (acre-ft)	0.13	5.67	
C & E Loss (ft)	0.20	Cum SA (acres)	0.20	0.83	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreekSoGC RS: 51

INPUT
Description:
Station Elevation Data num= 276

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2212.16	8.2	2212	45.08	2211.05	47.29	2211	47.46	2211
47.66	2211	48.05	2211	54.6	2210.97	56.77	2210.97	75.03	2210.69
99.2	2210.34	106.7	2210.23	110.57	2210.18	119.15	2210.06	120.09	2210.05
120.75	2210.04	121.71	2210.03	123.58	2210	166.87	2209.17	170.67	2209.1
177.45	2209.03	177.72	2209.02	177.81	2209.02	177.87	2209.02	180.37	2209
184.29	2209	187.26	2208.97	212.97	2208.87	213.86	2208.87	216.11	2208.85
219.64	2208.83	226.11	2208.79	237.23	2208.73	239.34	2208.71	241.49	2208.69
244.02	2208.66	247.27	2208.61	253.96	2208.57	259.99	2208.51	284.68	2208
305.52	2207.25	310.96	2207	328.92	2206.11	331.14	2206	332.41	2205.96
361.67	2205	384.63	2204.42	400.38	2204	417.21	2203.6	437.24	2203.13
442.54	2203	448.19	2202.41	452.27	2202	460.27	2201.02	460.45	2201
460.56	2200.98	461.14	2200.88	466.38	2200	469.22	2199.6	471.46	2199.29
473.5	2199	473.57	2199	473.88	2198.64	474.09	2198.31	474.75	2198
475.69	2197.11	475.86	2197	476.03	2196.89	477	2196	477.19	2195.88
477.95	2195	481.48	2194.1	481.79	2194	482.85	2193.99	483.91	2193.99
486.09	2193.98	491.83	2193.96	494.14	2193.95	496.53	2193.94	499.35	2193.93
500.06	2193.92	502.03	2193.92	503.15	2193.92	503.58	2193.93	506.65	2193.94
507.55	2193.95	514.36	2193.97	518.75	2194	524.6	2194.27	531.08	2194.93
542.3	2195.66	544.31	2196.66	545.51	2197.36	545.63	2197.39	545.85	2197.41
546.47	2197.4	547.14	2197.36	547.45	2197.36	549.76	2197.26	550.14	2197.24
550.56	2197.2	551.72	2197.18	552.41	2197.18	552.73	2197.22	553.94	2197.12
554.43	2197.15	555.38	2197.23	556.09	2197.27	556.92	2197.31	558.6	2197.44
563.76	2197.7	564.97	2197.83	566.25	2197.92	566.4	2197.93	567.66	2198
568.38	2198.05	569.19	2198.12	570.4	2198.37	571.48	2198.55	573.64	2199
573.96	2199.05	578.52	2200	582.04	2200.77	583.18	2201	584.43	2201.27
584.86	2201.37	585.18	2201.43	585.94	2201.55	586.22	2201.6	586.46	2201.64
588.81	2202	590.36	2202.15	593.22	2202.47	594.76	2202.62	595.39	2202.68
595.71	2202.7	597.12	2202.86	597.95	2202.91	598.62	2203	598.63	2203
598.84	2203	598.99	2203	599.14	2203.01	599.44	2203.01	599.67	2203.01
599.97	2203.02	600.23	2203.02	600.53	2203.02	601.33	2203.01	601.38	2203.01
601.89	2203.02	602.59	2203.01	609.56	2203.91	609.98	2203.94	610.05	2203.95
610.46	2204	613.13	2204.96	613.24	2205	613.41	2205.06	615.87	2206
616.75	2206.33	617.67	2206.69	618.5	2207	634.35	2207.91	635.86	2208
635.96	2208.02	635.99	2208.03	638.41	2208.57	638.75	2208.62	639.21	2208.64
640.05	2208.78	640.84	2208.78	642.19	2208.81	645.07	2208.97	645.49	2209
648.17	2209	652.18	2209	658.4	2209	660.65	2209	660.71	2209
666.56	2209.46	667.78	2209.57	669.17	2209.55	671.07	2209.69	674.19	2209.84
678.29	2209.94	679.27	2209.94	683.16	2209.96	683.27	2209.96	687.74	2209.89
687.8	2209.89	689.04	2209.98	689.35	2209.98	708.09	2209.92	715.43	2209.96
715.96	2209.96	717.42	2209.99	717.69	2210	718.4	2210.04	722.31	2210.24
735.97	2211	740.55	2211.23	741.03	2211.26	741.82	2211.3	746.14	2211.54
747.73	2211.62	749.91	2211.74	750.42	2211.76	750.84	2211.78	754.13	2212
759.61	2212.24	762.9	2212.36	772.82	2212.71	775.76	2212.81	776.99	2212.83
780.1	2212.94	780.31	2212.94	782.68	2213	783.37	2213	784.37	2213.04
790.56	2213.19	790.79	2213.2	792.55	2213.25	794.21	2213.3	794.67	2213.31
800.08	2213.5	805.12	2213.87	806.17	2213.87	807.5	2213.88	807.94	2213.88

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  813.93 2213.97  815.67 2213.99  815.83 2213.99  816.77 2213.99  817.57    2214
   824.1 2214.14  824.77 2214.17  825.06 2214.18  825.32 2214.18  826.23 2214.21
  829.71 2214.33  845.33    2215  845.63    2215  846.09    2215   850.3 2215.16
  852.65 2215.28  853.49  2215.3  854.93 2215.32  858.17 2215.48   868.1    2216
  868.11    2216  868.12    2216     871 2216.27   871.4 2216.29   874.1 2216.43
  883.08 2216.95   883.7    2217  883.86 2217.01  883.88 2217.01  883.92 2217.02
   885.9 2217.18  886.66 2217.28  895.98    2218  903.53 2218.77  903.72 2218.81
  903.91 2218.83  904.29 2218.88  904.45  2218.9  905.46    2219     909 2219.22
   912.3 2219.38  923.22 2219.92  924.93    2220  925.07    2220  932.22 2220.22
  933.01 2220.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  417.21    .027  616.75    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        417.21  616.75           193.25   50.83  108.25             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2207.97    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.92    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2205.05    Reach Len. (ft)
  Crit W.S. (ft)           2205.05    Flow Area (sq ft)         42.05    1241.61
  E.G. Slope (ft/ft)      0.005458    Area (sq ft)              42.05    1241.61
  Q Total (cfs)           17192.00    Flow (cfs)               107.60   17084.40
  Top Width (ft)            253.20    Top Width (ft)            57.03     196.17
  Vel Total (ft/s)           13.39    Avg. Vel. (ft/s)           2.56      13.76
  Max Chl Dpth (ft)          11.13    Hydr. Depth (ft)           0.74       6.33
  Conv. Total (cfs)       232717.0    Conv. (cfs)              1456.5   231260.5
  Length Wtd. (ft)                    Wetted Per. (ft)          57.05     199.41
  Min Ch El (ft)           2193.92    Shear (lb/sq ft)           0.25       2.12
  Alpha                       1.05    Stream Power (lb/ft s)   933.01       0.00       0.00
  Frctn Loss (ft)                     Cum Volume (acre-ft)
  C & E Loss (ft)                     Cum SA (acres)



SUMMARY OF MANNING'S N VALUES

River:GilmanCreek

      Reach          River Sta.       n1        n2        n3

 GilmanGreek          3039              .035      .027      .035
 GilmanGreek          2935              .035      .027      .035
 GilmanGreek          2789              .035      .027      .035
 GilmanGreek          2669              .035      .027      .035
 GilmanGreek          2560              .035      .027      .035
 GilmanGreek          2444              .035      .027      .035
 GilmanGreek          2365              .035      .027      .035
 GilmanGreek          2254              .035      .027      .035
 GilmanGreek          2162              .035      .027      .035
 GilmanGreek          1961              .035      .027      .035
 GilmanGreek          1816              .035      .027      .035
 GilmanGreek          1650              .035      .027      .035
 GilmanGreek          1536              .035      .027      .035
 GilmanGreek          1359              .035      .027      .035
 GilmanGreek          1153              .035      .027      .035
 GilmanGreek          1034              .035      .027      .035
 GilmanGreek          924               .035      .027      .035
 GilmanGreek          809               .035      .027      .035
 GilmanGreek          701               .035      .027      .035
 GilmanGreek          518               .035      .027      .035
 GilmanGreek          231               .035      .027      .035


River:MontgomeryCreek

      Reach          River Sta.       n1        n2        n3

 MontgomeryCreek      5379              .035      .027      .035
 MontgomeryCreek      5111              .035      .027      .035
 MontgomeryCreek      5013              .035      .027      .035
 MontgomeryCreek      4828              .035      .027      .035
 MontgomeryCreek      4688              .035      .027      .035
 MontgomeryCreek      4568              .035      .027      .035
 MontgomeryCreek      4416              .035      .027      .035
 MontgomeryCreek      4248              .035      .027      .035
 MontgomeryCreek      4157              .035      .027      .035
 MontgomeryCreek      4076              .035      .027      .035
 MontgomeryCreek      3966              .035      .027      .035
 MontgomeryCreek      3871              .035      .027      .035
 MontgomeryCreek      3672              .035      .027      .035
 MontgomeryCreek      3554              .035      .027      .035
 MontgomeryCreek      3402              .035      .027      .035
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MontgomeryCreek	3292	.035	.027	.035
MontgomeryCreek	3179	.035	.027	.035
MontgomeryCreek	3044	.035	.027	.035
MontgomeryCreek	2813	.035	.027	.035
MontgomeryCreek	2631	.035	.027	.035
MontgomeryCreek	2503	.035	.027	.035
MontgomeryCreek	2325	.035	.027	.035
MontgomeryCreek	1971	.035	.027	.035
MontgomeryCreek	1665	.035	.027	.035
MontgomeryCreek	1370	.035	.027	.035
MontgomeryCreek	1083	.035	.027	.035
MontgomeryCreek	925	.035	.027	.035
MontgomeryCreek	807	.035	.027	.035
MontgomeryCreek	513	.035	.027	.035
MontgomeryCreek	280	.035	.027	.035

River:PershingCreek

Reach	River Sta.	n1	n2	n3
PershingCreek	9459	.035	.027	.035
PershingCreek	9327	.035	.027	.035
PershingCreek	9195	.035	.027	.035
PershingCreek	9097	.035	.027	.035
PershingCreek	8995	.035	.027	.035
PershingCreek	8885	.035	.027	.035
PershingCreek	8802	.035	.027	.035
PershingCreek	8664	.035	.027	.035
PershingCreek	8445	.035	.027	.035
PershingCreek	8282	.035	.027	.035
PershingCreek	8141	.035	.027	.035
PershingCreek	8054	.035	.027	.035
PershingCreek	7859	.035	.027	.035
PershingCreek	7773	.035	.027	.035
PershingCreek	7640	.035	.027	.035
PershingCreek	7452	.035	.027	.035
PershingCreek	7239	.035	.027	.035
PershingCreek	7124	.035	.027	.035
PershingCreek	7039	.035	.027	.035
PershingCreek	6943	.035	.027	.035
PershingCreek	6767	.035	.027	.035
PershingCreek	6618	.035	.027	.035
PershingCreek	6460	.035	.027	.035
PershingCreek	6360	.035	.027	.035
PershingCreek	6197	.035	.027	.035
PershingCreek	5984	.035	.027	.035
PershingCreek	5849	.035	.027	.035
PershingCreek	5627	.035	.027	.035
PershingCreek	5367	.035	.027	.035
PershingCreek	5124	.035	.027	.035
PershingCreek	4932	.035	.027	.035
PershingCreek	4748	.035	.027	.035
PershingCreek	4522	.035	.027	.035
PershingCreek	4197	.035	.027	.035
PershingCreek	3968	.035	.027	.035
PershingCreek	3737	.035	.027	.035
PershingCreek	3486	.035	.027	.035
PershingCreek	3217	.035	.027	.035
PershingCreek	3036	.035	.027	.035
PershingCreek	2784	.035	.027	.035
PershingCreek	2537	.035	.027	.035
PershingCreek	2258	.035	.027	.035
PershingCreek	2065	.035	.027	.035
PershingCreek	1936	.035	.027	.035
PershingCreek	1633	.035	.027	.035

River:SmithCreek

Reach	River Sta.	n1	n2	n3
SmithCreek	6844	.035	.027	.035
SmithCreek	5985	.035	.027	.035
SmithCreek	5370	.035	.027	.035
SmithCreek	4543	.035	.027	.035
SmithCreekPC	4220	.035	.027	.035
SmithCreekPC	3817	.035	.027	.035
SmithCreekPC	3563	.035	.027	.035
SmithCreekPC	2959	.035	.027	.035
SmithCreekPC	2398	.035	.027	.035
SmithCreekPC	2129	.035	.027	.035
SmithCreekSoMC	1853	.035	.027	.035
SmithCreekSoMC	1620	.035	.027	.035
SmithCreekSoMC	1423	.035	.027	.035
SmithCreekSoMC	1193	.035	.027	.035
SmithCreekSoMC	970	.035	.027	.035

SmithCreekSoMC	761	.035	.027	.035
SmithCreekSoGC	450	.035	.027	.035
SmithCreekSoGC	259	.035	.027	.035
SmithCreekSoGC	51	.035	.027	.035

SUMMARY OF REACH LENGTHS

River: GilmanCreek

Reach	River Sta.	Left	Channel	Right
GilmanGreek	3039	102	103.99	102.89
GilmanGreek	2935	149.78	146.06	147.39
GilmanGreek	2789	119.52	119.49	122.63
GilmanGreek	2669	107.48	108.95	103.44
GilmanGreek	2560	118.77	116.3	120.85
GilmanGreek	2444	61.49	79.26	140.11
GilmanGreek	2365	95.42	111.04	107.38
GilmanGreek	2254	90.36	91.28	88.48
GilmanGreek	2162	164.55	201.48	186.31
GilmanGreek	1961	159.91	145.1	155.03
GilmanGreek	1816	178.14	166.2	165.36
GilmanGreek	1650	126.82	113.39	113.92
GilmanGreek	1536	177.36	177.35	174.63
GilmanGreek	1359	205.95	205.68	217.03
GilmanGreek	1153	122.47	118.96	118.07
GilmanGreek	1034	111.19	109.8	110.16
GilmanGreek	924	117.76	115.32	116.67
GilmanGreek	809	111.02	108.44	119.84
GilmanGreek	701	174.85	182.68	173.61
GilmanGreek	518	284.89	286.92	286.16
GilmanGreek	231	143.14	230.99	149.66

River: MontgomeryCreek

Reach	River Sta.	Left	Channel	Right
MontgomeryCreek	5379	267.76	268.27	285.61
MontgomeryCreek	5111	96.38	98.05	120.8
MontgomeryCreek	5013	188.84	184.65	180.59
MontgomeryCreek	4828	158.07	140.69	146.01
MontgomeryCreek	4688	138.19	119.26	105.77
MontgomeryCreek	4568	94.88	151.88	193.08
MontgomeryCreek	4416	145.15	168.26	239.85
MontgomeryCreek	4248	91.87	91.31	69.81
MontgomeryCreek	4157	99.54	80.92	54.65
MontgomeryCreek	4076	130.38	110.02	85.6
MontgomeryCreek	3966	72.88	95.23	138.38
MontgomeryCreek	3871	190.81	199	149.52
MontgomeryCreek	3672	136.74	117.23	1218.66
MontgomeryCreek	3554	159.79	152.92	0
MontgomeryCreek	3402	114.93	109.65	0
MontgomeryCreek	3292	96.36	112.61	0
MontgomeryCreek	3179	114.96	135.17	205.96
MontgomeryCreek	3044	226.57	231.48	300.38
MontgomeryCreek	2813	225.59	181.36	170.89
MontgomeryCreek	2631	384.13	128.28	113.63
MontgomeryCreek	2503	219.42	178.09	161.32
MontgomeryCreek	2325	392.84	353.64	337.34
MontgomeryCreek	1971	687.36	306.39	381.19
MontgomeryCreek	1665	0	294.71	290.89
MontgomeryCreek	1370	312.43	287.27	290.18
MontgomeryCreek	1083	180.56	157.57	144.31
MontgomeryCreek	925	270.64	118.2	119.17
MontgomeryCreek	807	324.7	294.23	262.54
MontgomeryCreek	513	781.7	233.35	217.92
MontgomeryCreek	280	903.84	279.52	128.67

River: PershingCreek

Reach	River Sta.	Left	Channel	Right
PershingCreek	9459	131.32	131.94	141.31
PershingCreek	9327	113.25	132.02	142.78
PershingCreek	9195	124.63	98	78.37
PershingCreek	9097	83.07	102.6	113.11
PershingCreek	8995	89.82	109.8	114.29
PershingCreek	8885	125.76	83.4	58.85
PershingCreek	8802	162.96	137.24	119.47
PershingCreek	8664	214.51	219.28	210.76
PershingCreek	8445	181.29	163.06	161.38
PershingCreek	8282	139.91	141.41	148.28

PershingCreek	8141	70.64	86.82	138.25
PershingCreek	8054	176.87	194.57	192.45
PershingCreek	7859	109.04	86.59	78.04
PershingCreek	7773	135.51	132.63	130.61
PershingCreek	7640	193.74	188.2	189.78
PershingCreek	7452	228.63	212.82	211.04
PershingCreek	7239	148.76	114.65	92.9
PershingCreek	7124	114.88	85.27	69.44
PershingCreek	7039	75.9	96.23	114.41
PershingCreek	6943	129.75	175.78	188.75
PershingCreek	6767	134.16	149.31	139.29
PershingCreek	6618	162.47	157.94	147.76
PershingCreek	6460	86.47	99.49	110.1
PershingCreek	6360	144.83	163.77	174.36
PershingCreek	6197	252.67	212.84	183
PershingCreek	5984	253.07	134.59	99.74
PershingCreek	5849	216.27	222.02	224.5
PershingCreek	5627	307.06	260.47	252.46
PershingCreek	5367	259.76	243.1	272.64
PershingCreek	5124	237.06	191.78	209.09
PershingCreek	4932	148.59	183.34	226.28
PershingCreek	4748	155.93	226.05	265.04
PershingCreek	4522	320.48	325.63	340.99
PershingCreek	4197	277.01	228.98	257.87
PershingCreek	3968	220.71	230.4	246.6
PershingCreek	3737	257.8	251.56	255.24
PershingCreek	3486	269.22	268.71	263.4
PershingCreek	3217	233.02	181.23	177.51
PershingCreek	3036	251.94	251.59	260.05
PershingCreek	2784	220.92	246.89	270.53
PershingCreek	2537	268.32	279.46	294.49
PershingCreek	2258	185.55	193.08	230.62
PershingCreek	2065	174.64	128.62	81.74
PershingCreek	1936	297.04	303.42	249.93
PershingCreek	1633	1676.59	1632.82	1689.16

River: SmithCreek

Reach	River Sta.	Left	Channel	Right
SmithCreek	6844	881.37	858.67	856.69
SmithCreek	5985	633.62	615.42	613.71
SmithCreek	5370	811.93	827.24	902.17
SmithCreek	4543	304.54	322.42	558.08
SmithCreekPC	4220	358.3	403.57	452.29
SmithCreekPC	3817	253.8	253.43	243.57
SmithCreekPC	3563	529.2	603.78	660.08
SmithCreekPC	2959	539.35	561.59	592.31
SmithCreekPC	2398	335.32	268.3	235.1
SmithCreekPC	2129	355.08	276.67	159.01
SmithCreekSoMC	1853	274.34	232.77	181.95
SmithCreekSoMC	1620	217.9	196.72	178.34
SmithCreekSoMC	1423	229.84	230.59	229.56
SmithCreekSoMC	1193	203.99	222.89	250.21
SmithCreekSoMC	970	189.81	208.47	233.11
SmithCreekSoMC	761	294.47	311.58	322.16
SmithCreekSoGC	450	188.12	190.67	192.49
SmithCreekSoGC	259	204.28	208.22	211.49
SmithCreekSoGC	51	193.25	50.83	108.25

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: GilmanCreek

Reach	River Sta.	Contr.	Expan.
GilmanGreek	3039	.1	.3
GilmanGreek	2935	.1	.3
GilmanGreek	2789	.1	.3
GilmanGreek	2669	.1	.3
GilmanGreek	2560	.1	.3
GilmanGreek	2444	.1	.3
GilmanGreek	2365	.1	.3
GilmanGreek	2254	.1	.3
GilmanGreek	2162	.1	.3
GilmanGreek	1961	.1	.3
GilmanGreek	1816	.1	.3
GilmanGreek	1650	.1	.3
GilmanGreek	1536	.1	.3
GilmanGreek	1359	.1	.3
GilmanGreek	1153	.1	.3
GilmanGreek	1034	.1	.3
GilmanGreek	924	.1	.3

GilmanGreek	809	.1	.3
GilmanGreek	701	.1	.3
GilmanGreek	518	.1	.3
GilmanGreek	231	.1	.3

River: MontgomeryCreek

Reach	River Sta.	Contr.	Expan.
MontgomeryCreek	5379	.1	.3
MontgomeryCreek	5111	.1	.3
MontgomeryCreek	5013	.1	.3
MontgomeryCreek	4828	.1	.3
MontgomeryCreek	4688	.1	.3
MontgomeryCreek	4568	.1	.3
MontgomeryCreek	4416	.1	.3
MontgomeryCreek	4248	.1	.3
MontgomeryCreek	4157	.1	.3
MontgomeryCreek	4076	.1	.3
MontgomeryCreek	3966	.1	.3
MontgomeryCreek	3871	.1	.3
MontgomeryCreek	3672	.1	.3
MontgomeryCreek	3554	.1	.3
MontgomeryCreek	3402	.1	.3
MontgomeryCreek	3292	.1	.3
MontgomeryCreek	3179	.1	.3
MontgomeryCreek	3044	.1	.3
MontgomeryCreek	2813	.1	.3
MontgomeryCreek	2631	.1	.3
MontgomeryCreek	2503	.1	.3
MontgomeryCreek	2325	.1	.3
MontgomeryCreek	1971	.1	.3
MontgomeryCreek	1665	.1	.3
MontgomeryCreek	1370	.1	.3
MontgomeryCreek	1083	.1	.3
MontgomeryCreek	925	.1	.3
MontgomeryCreek	807	.1	.3
MontgomeryCreek	513	.1	.3
MontgomeryCreek	280	.1	.3

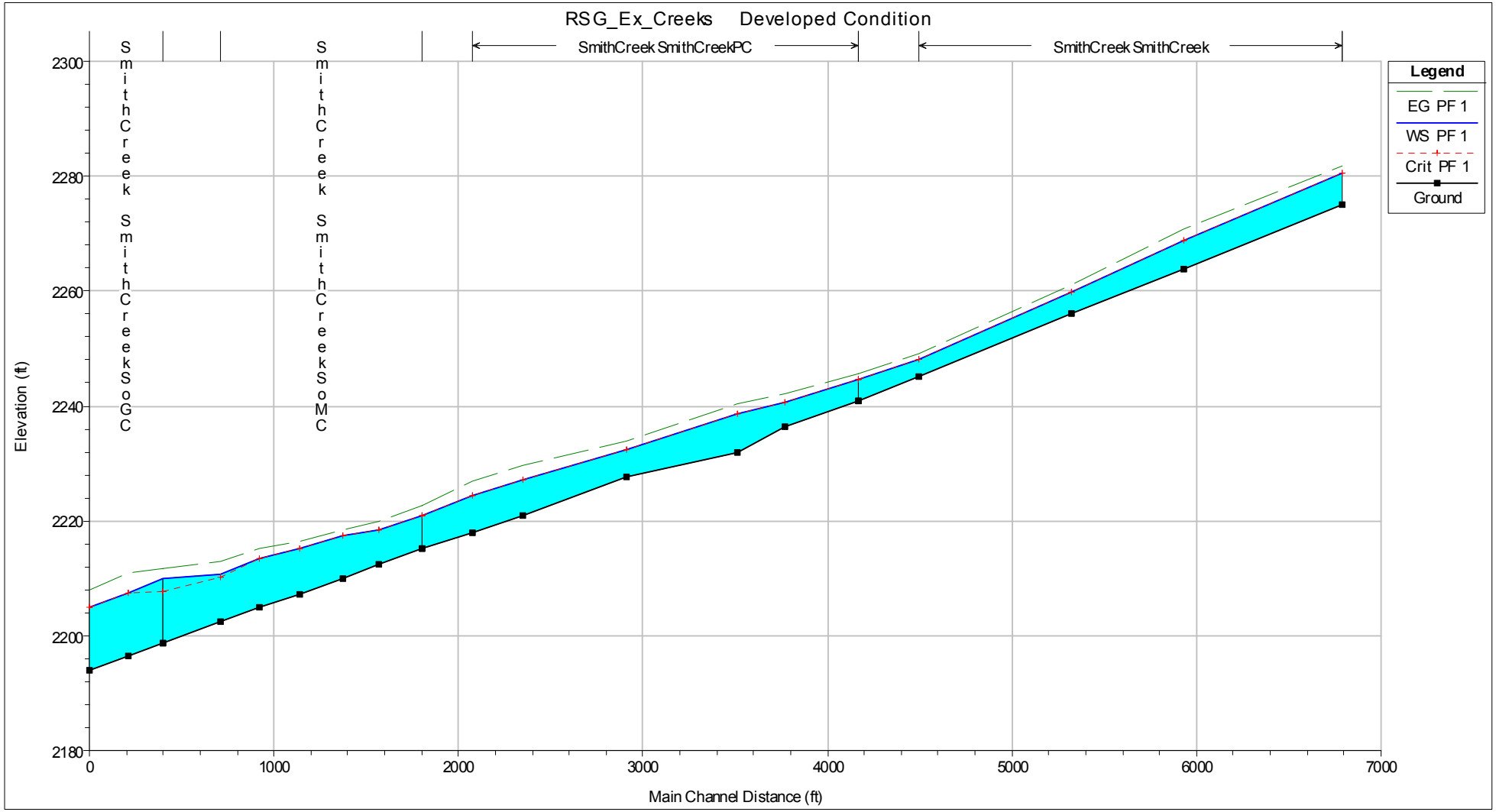
River: PershingCreek

Reach	River Sta.	Contr.	Expan.
PershingCreek	9459	.1	.3
PershingCreek	9327	.1	.3
PershingCreek	9195	.1	.3
PershingCreek	9097	.1	.3
PershingCreek	8995	.1	.3
PershingCreek	8885	.1	.3
PershingCreek	8802	.1	.3
PershingCreek	8664	.1	.3
PershingCreek	8445	.1	.3
PershingCreek	8282	.1	.3
PershingCreek	8141	.1	.3
PershingCreek	8054	.1	.3
PershingCreek	7859	.1	.3
PershingCreek	7773	.1	.3
PershingCreek	7640	.1	.3
PershingCreek	7452	.1	.3
PershingCreek	7239	.1	.3
PershingCreek	7124	.1	.3
PershingCreek	7039	.1	.3
PershingCreek	6943	.1	.3
PershingCreek	6767	.1	.3
PershingCreek	6618	.1	.3
PershingCreek	6460	.1	.3
PershingCreek	6360	.1	.3
PershingCreek	6197	.1	.3
PershingCreek	5984	.1	.3
PershingCreek	5849	.1	.3
PershingCreek	5627	.1	.3
PershingCreek	5367	.1	.3
PershingCreek	5124	.1	.3
PershingCreek	4932	.1	.3
PershingCreek	4748	.1	.3
PershingCreek	4522	.1	.3
PershingCreek	4197	.1	.3
PershingCreek	3968	.1	.3
PershingCreek	3737	.1	.3
PershingCreek	3486	.1	.3
PershingCreek	3217	.1	.3
PershingCreek	3036	.1	.3
PershingCreek	2784	.1	.3
PershingCreek	2537	.1	.3

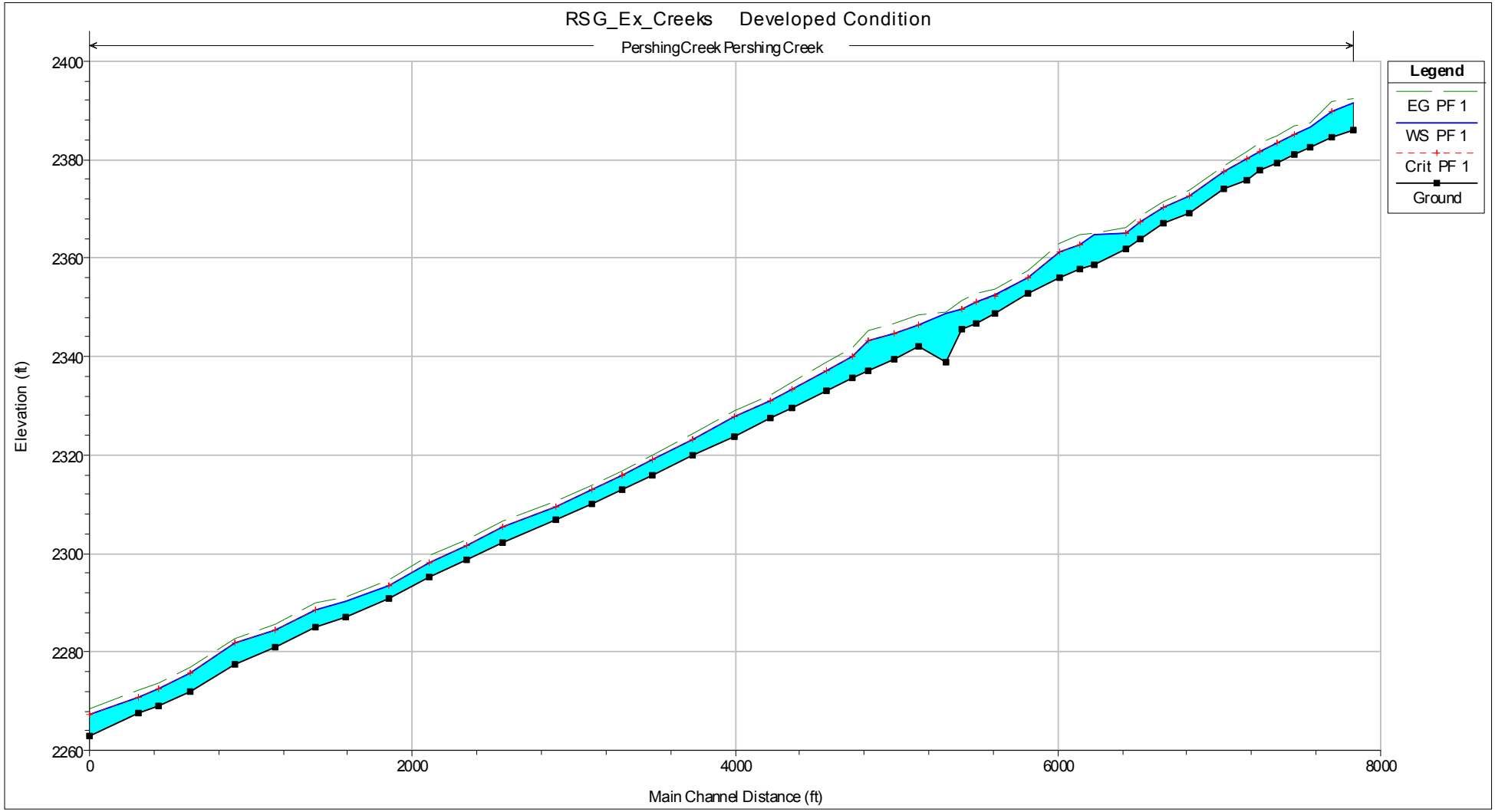
PershingCreek	2258	.1	.3
PershingCreek	2065	.1	.3
PershingCreek	1936	.1	.3
PershingCreek	1633	.1	.3

River: SmithCreek

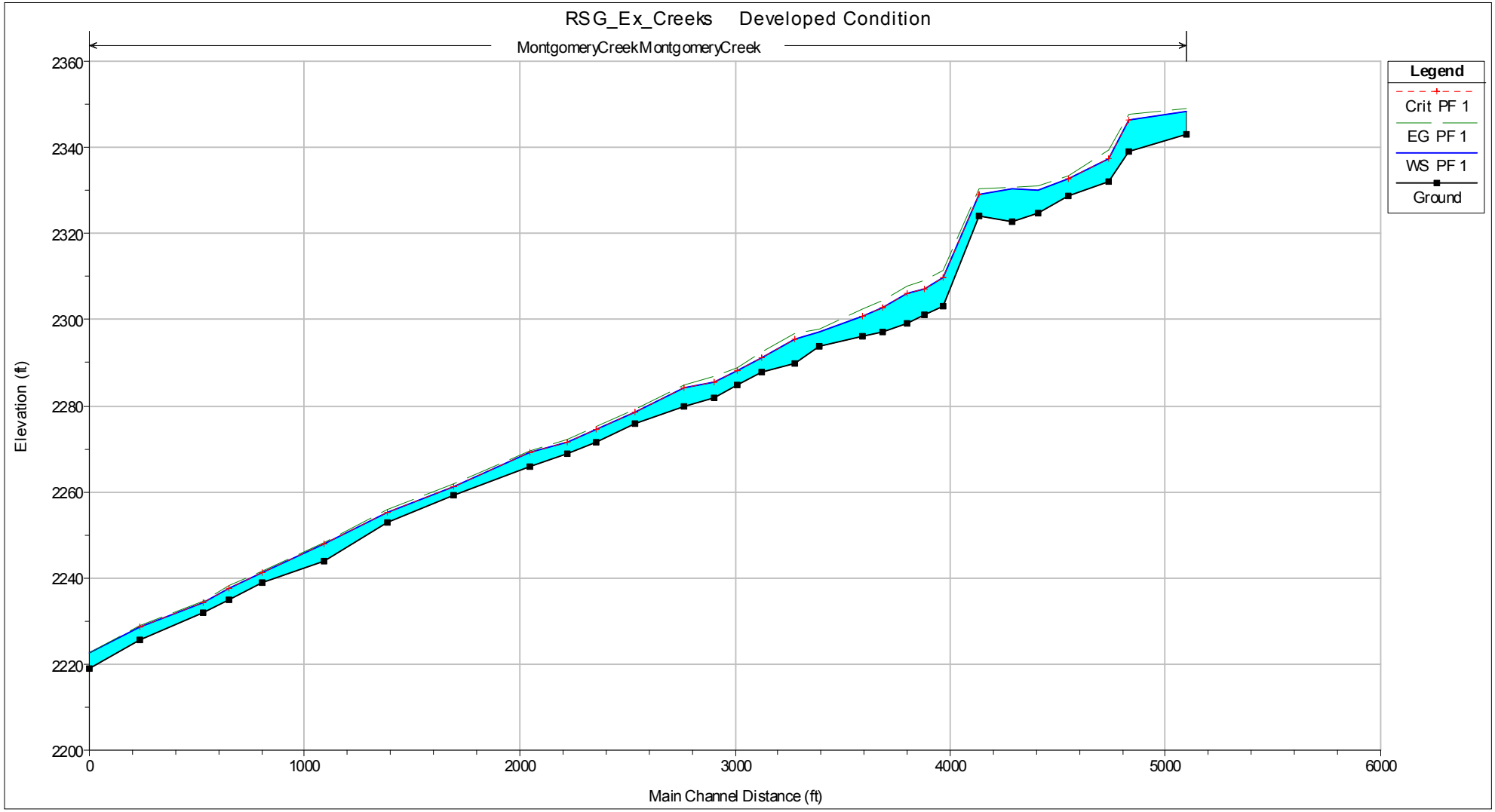
Reach	River Sta.	Contr.	Expan.
SmithCreek	6844	.1	.3
SmithCreek	5985	.1	.3
SmithCreek	5370	.1	.3
SmithCreek	4543	.1	.3
SmithCreekPC	4220	.1	.3
SmithCreekPC	3817	.1	.3
SmithCreekPC	3563	.1	.3
SmithCreekPC	2959	.1	.3
SmithCreekPC	2398	.1	.3
SmithCreekPC	2129	.1	.3
SmithCreekSoMC	1853	.1	.3
SmithCreekSoMC	1620	.1	.3
SmithCreekSoMC	1423	.1	.3
SmithCreekSoMC	1193	.1	.3
SmithCreekSoMC	970	.1	.3
SmithCreekSoMC	761	.1	.3
SmithCreekSoGC	450	.1	.3
SmithCreekSoGC	259	.1	.3
SmithCreekSoGC	51	.1	.3


RSG_Ex_Creeks Developed Condition
SmithCreek SmithCreekPC
SmithCreek SmithCreek
SmithCreek SmithCreekSoGC
SmithCreek SmithCreekSoMC
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Elevation (ft)
2300
2280
2260
2240
2220
2200
2180
0
1000
2000
3000
4000
5000
6000
7000
Main Channel Distance (ft)

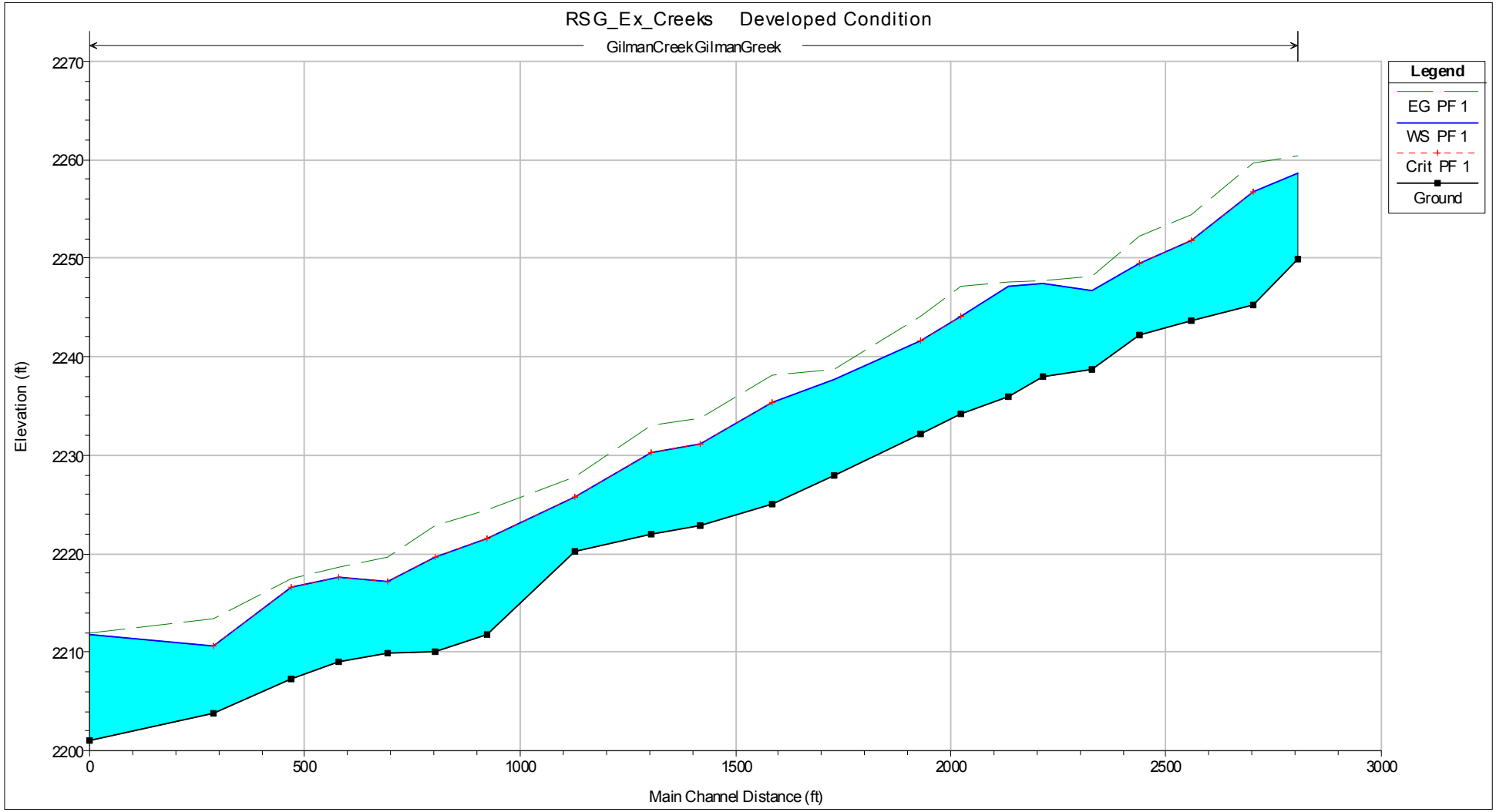
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SmithCreek	6844	PF 1	8701	2275	2280.48	2280.48	2281.67	0.007136	9.34	1084.8	477.45	0.97
SmithCreek	5985	PF 1	8701	2263.91	2268.78	2268.78	2270.76	0.007105	11.41	776.61	200.24	1.02
SmithCreek	5370	PF 1	11807	2256	2259.83	2259.83	2261.07	0.009848	9.53	1379.99	649.33	1.11
SmithCreek	4543	PF 1	11807	2244.99	2248.09	2248.09	2249	0.008733	8.36	1653.5	928.29	1.02
SmithCreekPC	4220	PF 1	11807	2240.91	2244.64	2244.64	2245.59	0.007522	8.59	1647.11	845.14	0.97
SmithCreekPC	3817	PF 1	11807	2236.29	2240.65	2240.65	2242.06	0.007051	10.56	1362.31	492.57	1
SmithCreekPC	3563	PF 1	11807	2232	2238.6	2238.6	2240.28	0.006169	10.98	1244.77	406.53	0.96
SmithCreekPC	2959	PF 1	11807	2227.64	2232.39	2232.39	2233.84	0.00599	10.21	1329.46	499.94	0.93
SmithCreekPC	2398	PF 1	11807	2220.94	2227.22	2227.22	2229.59	0.006195	12.37	968.66	220.98	0.99
SmithCreekPC	2129	PF 1	11807	2217.98	2224.51	2224.51	2226.89	0.006452	12.38	953.71	202.16	1
SmithCreekSoMC	1853	PF 1	14240	2215.18	2220.84	2220.84	2222.57	0.006243	10.63	1395.55	448.51	0.96
SmithCreekSoMC	1620	PF 1	14240	2212.55	2218.33	2218.33	2219.85	0.007018	10.72	1559.34	535.41	1
SmithCreekSoMC	1423	PF 1	14240	2210	2217.45	2217.45	2218.45	0.003929	9.59	2344.1	1113.29	0.78
SmithCreekSoMC	1193	PF 1	14240	2207.31	2215.18	2215.18	2216.41	0.002964	10.04	2213.2	963.57	0.71
SmithCreekSoMC	970	PF 1	14240	2204.97	2213.46	2213.46	2215.06	0.003741	10.77	1726.33	664.6	0.78
SmithCreekSoMC	761	PF 1	14240	2202.45	2210.65	2210.18	2212.85	0.004798	11.9	1211.89	275.76	0.88
SmithCreekSoGC	450	PF 1	17192	2198.62	2209.89	2207.67	2211.8	0.002285	11.33	1721.33	344.44	0.65
SmithCreekSoGC	259	PF 1	17192	2196.52	2207.41	2207.41	2210.99	0.005481	15.19	1143.83	181.17	0.98
SmithCreekSoGC	51	PF 1	17192	2193.92	2205.05	2205.05	2207.97	0.005458	13.76	1283.65	253.2	0.96


RSG_Ex_Creeks Developed Condition
PershingCreek Pershing Creek
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Elevation (ft)
2400
2380
2360
2340
2320
2300
2280
2260
0
2000
4000
6000
8000
Main Channel Distance (ft)

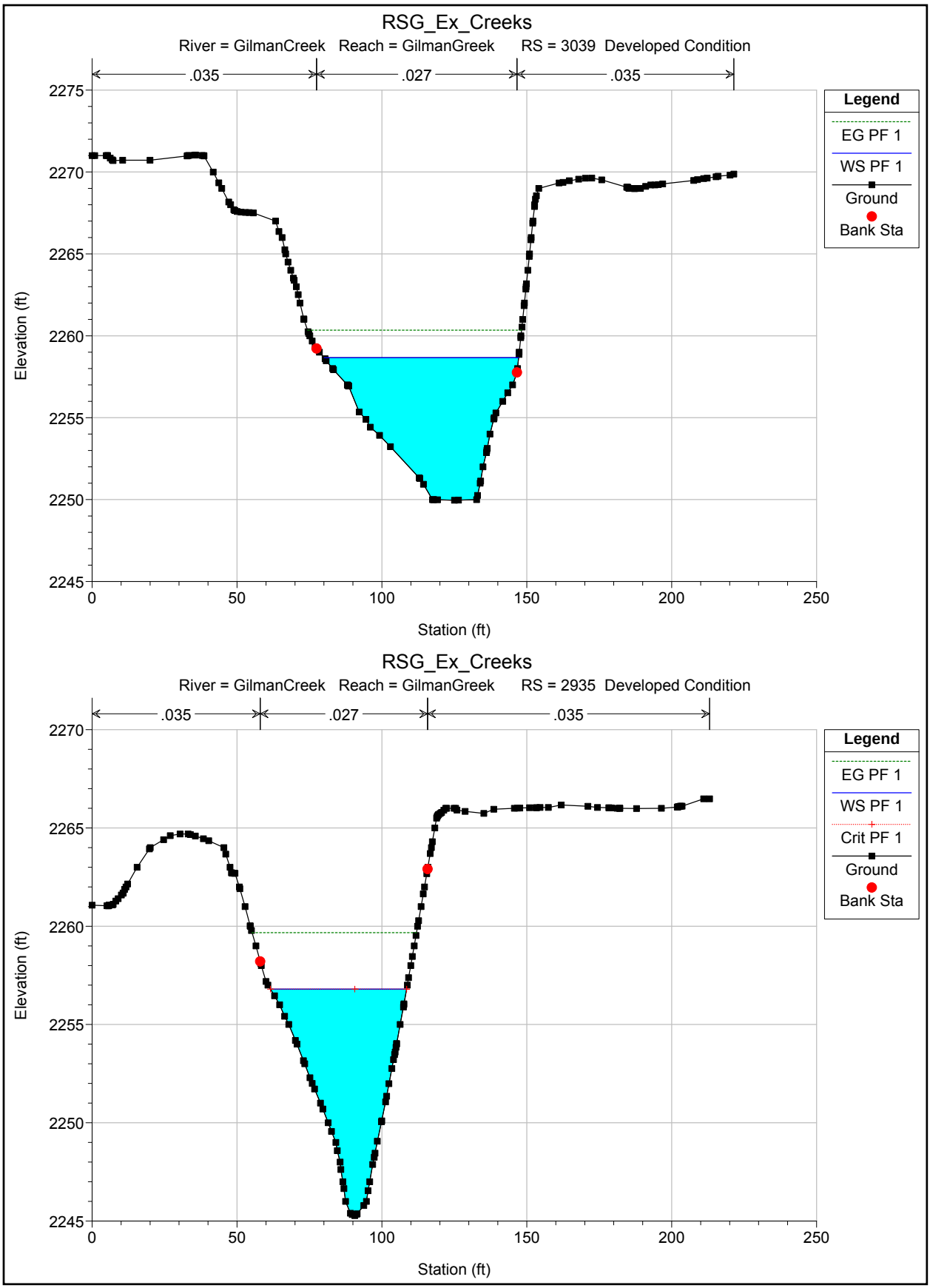
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
PershingCreek	9459	PF 1	4013	2385.92	2391.61		2392.54	0.00276	7.74	523.51	120.96	0.65
PershingCreek	9327	PF 1	4013	2384.59	2389.68	2389.68	2391.86	0.007156	11.84	338.85	78.7	1.01
PershingCreek	9195	PF 1	4013	2382.52	2386.69		2387.5	0.004051	7.54	593.09	229.42	0.75
PershingCreek	9097	PF 1	4013	2380.99	2385.26	2385.26	2386.91	0.007055	10.32	394.77	127.09	0.99
PershingCreek	8995	PF 1	4013	2379.27	2383.4	2383.4	2385	0.007161	10.18	398.84	129.63	0.99
PershingCreek	8885	PF 1	4013	2377.9	2381.66	2381.66	2383.32	0.007459	10.33	388.32	118.67	1.01
PershingCreek	8802	PF 1	4013	2375.98	2380.19	2380.19	2381.63	0.007681	9.64	416.31	146.6	1.01
PershingCreek	8664	PF 1	4013	2374	2377.46	2377.46	2378.82	0.007898	9.35	429.23	160.7	1.01
PershingCreek	8445	PF 1	4013	2369.11	2372.77	2372.77	2373.78	0.008537	8.07	497.15	247.52	1
PershingCreek	8282	PF 1	4013	2366.99	2370.17	2370.17	2371.43	0.008098	9	445.66	179.72	1.01
PershingCreek	8141	PF 1	4013	2363.99	2367.38	2367.38	2368.47	0.008115	8.4	484.54	223.44	1
PershingCreek	8054	PF 1	4013	2361.98	2365.1	2365.1	2366.13	0.008653	8.13	494.46	247.22	1.01
PershingCreek	7859	PF 1	4013	2358.81	2364.8		2365.09	0.0007	4.33	927.81	177.76	0.33
PershingCreek	7773	PF 1	4013	2357.68	2362.76	2362.76	2364.78	0.006952	11.41	351.71	87.95	1.01
PershingCreek	7640	PF 1	4013	2355.98	2361.29	2361.29	2363.16	0.007028	10.95	366.46	98.86	1
PershingCreek	7452	PF 1	4013	2352.98	2356.16	2356.16	2357.59	0.007601	9.61	420.59	149.74	1
PershingCreek	7239	PF 1	4013	2348.69	2352.51	2352.21	2353.68	0.005594	8.68	462.31	148.7	0.87
PershingCreek	7124	PF 1	4013	2346.74	2351.2	2351.2	2352.9	0.007174	10.48	383.57	115.81	1
PershingCreek	7039	PF 1	4013	2345.6	2349.72	2349.72	2351.37	0.007358	10.31	389.29	120.81	1.01
PershingCreek	6943	PF 1	4013	2339	2348.71		2349.1	0.001035	5.04	808.54	164.36	0.4
PershingCreek	6767	PF 1	4013	2341.97	2346.54	2346.54	2348.56	0.007069	11.4	352.17	88.29	1.01
PershingCreek	6618	PF 1	4013	2339.58	2344.76	2344.76	2346.85	0.006785	11.68	349.53	83.76	1.01
PershingCreek	6460	PF 1	4013	2337.17	2343.2	2343.2	2345.32	0.007129	11.71	342.77	81.87	1.01
PershingCreek	6360	PF 1	4013	2335.72	2339.94	2339.94	2341.68	0.007391	10.58	379.35	110.49	1.01
PershingCreek	6197	PF 1	4013	2333	2337.16	2337.16	2338.75	0.007509	10.12	396.69	126.02	1
PershingCreek	5984	PF 1	4013	2329.62	2333.35	2333.35	2334.75	0.007484	9.51	425.16	161.2	0.99
PershingCreek	5849	PF 1	4013	2327.45	2330.91	2330.91	2332.06	0.007989	8.66	470.29	204.68	1
PershingCreek	5627	PF 1	4013	2323.7	2327.78	2327.78	2329.02	0.007979	8.95	448.2	180.6	1
PershingCreek	5367	PF 1	4013	2319.98	2323.19	2323.19	2324.2	0.00891	8.14	499.83	250.27	1.02
PershingCreek	5124	PF 1	4013	2315.99	2319	2319	2319.89	0.008734	7.62	533.76	305.3	1
PershingCreek	4932	PF 1	4013	2312.99	2315.86	2315.86	2316.77	0.008938	7.63	525.94	294.72	1.01
PershingCreek	4748	PF 1	4013	2310.18	2313.07	2313.07	2313.92	0.009044	7.41	543.46	322.55	1.01
PershingCreek	4522	PF 1	4013	2306.92	2309.56	2309.56	2310.5	0.008879	7.78	515.74	280.19	1.01
PershingCreek	4197	PF 1	4013	2302.17	2305.45	2305.45	2306.65	0.008051	8.79	457.58	197.21	1
PershingCreek	3968	PF 1	4013	2298.69	2301.65	2301.65	2302.77	0.008274	8.51	471.73	212.57	1.01
PershingCreek	3737	PF 1	4013	2295.15	2298.19	2298.19	2299.5	0.007954	9.19	436.88	168.83	1.01
PershingCreek	3486	PF 1	4013	2290.99	2293.62	2293.62	2294.66	0.008608	8.23	490.08	239.22	1.01
PershingCreek	3217	PF 1	4013	2287	2290.34		2291.06	0.004421	6.8	594.47	238.27	0.75
PershingCreek	3036	PF 1	4013	2284.92	2288.44	2288.44	2289.96	0.007368	9.92	408.22	138.11	1
PershingCreek	2784	PF 1	4013	2280.95	2284.55	2284.55	2285.53	0.005509	8.3	573.99	324.31	0.86
PershingCreek	2537	PF 1	4013	2277.4	2281.73	2281.73	2282.81	0.004983	8.5	543.5	341.07	0.83
PershingCreek	2258	PF 1	4013	2272.03	2275.76	2275.76	2276.98	0.007624	8.93	461.18	215.76	0.99
PershingCreek	2065	PF 1	4013	2269.04	2272.53	2272.53	2273.54	0.006361	8.23	534.68	278.36	0.9
PershingCreek	1936	PF 1	4013	2267.68	2270.82	2270.82	2272.15	0.007446	9.26	436.89	199.96	0.98
PershingCreek	1633	PF 1	4013	2262.97	2267.35	2267.35	2268.35	0.005706	8.18	547.04	390.84	0.86

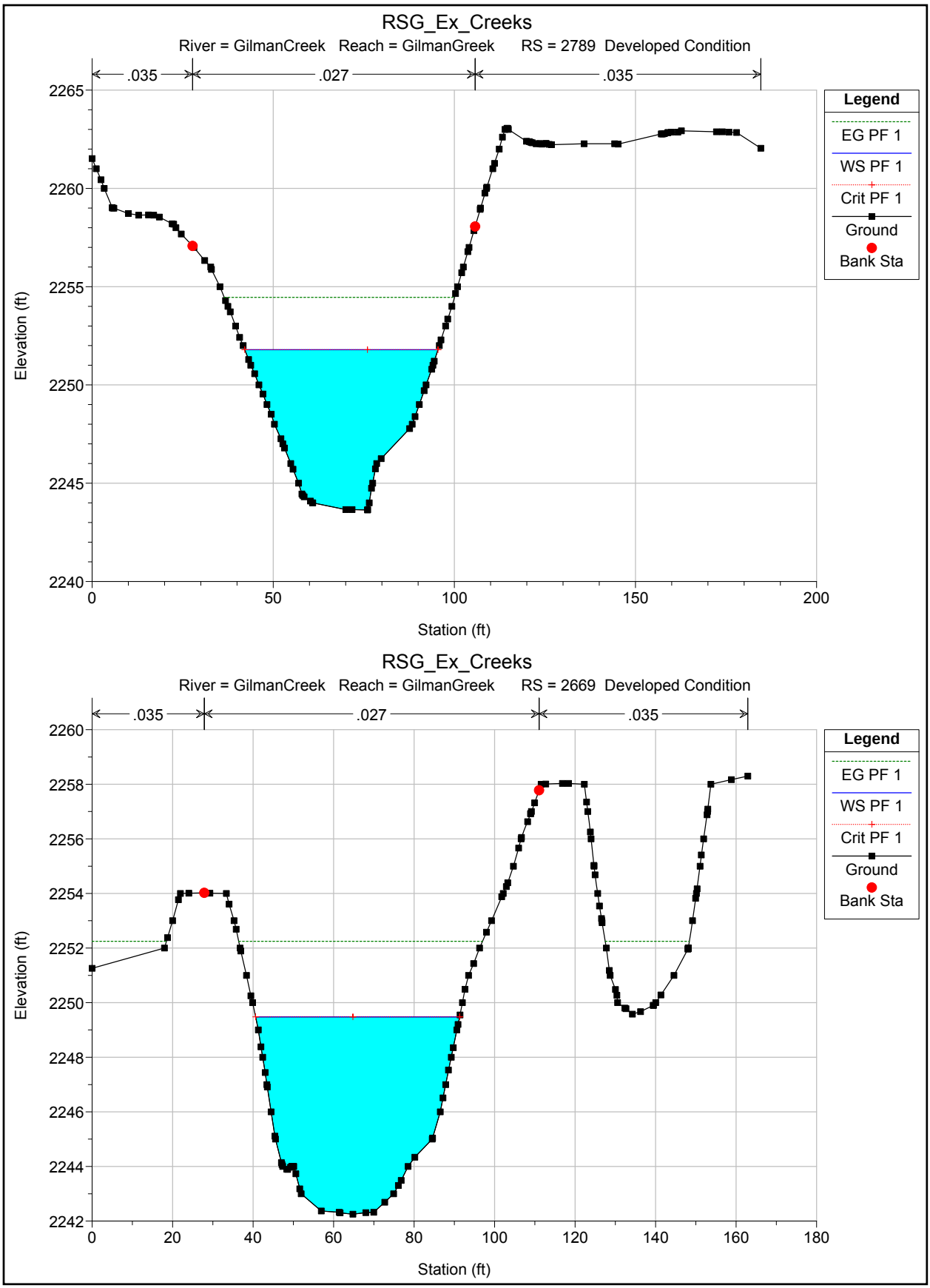

RSG_Ex_Creeks Developed Condition
MontgomeryCreekMontgomeryCreek
Legend
Crit PF 1
EG PF 1
WS PF 1
Ground
Elevation (ft)
2360
2340
2320
2300
2280
2260
2240
2220
2200
0
1000
2000
3000
4000
5000
6000
Main Channel Distance (ft)

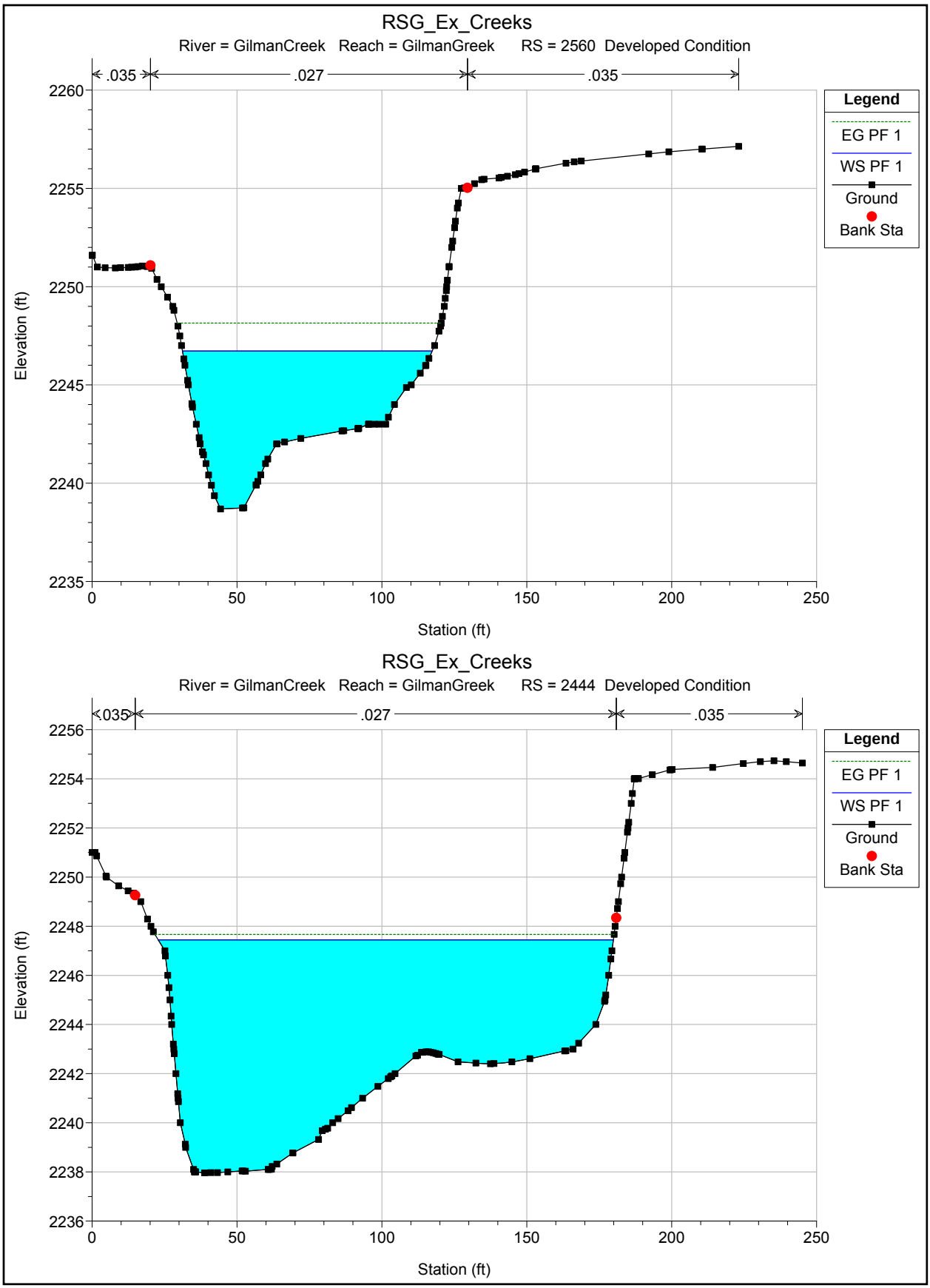
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
MontgomeryCreek	5379	PF 1	2173	2342.99	2348.49		2349.13	0.003628	6.42	338.21	123.39	0.68
MontgomeryCreek	5111	PF 1	2173	2339	2346.44	2346.44	2347.62	0.009047	8.73	248.91	110.37	1.02
MontgomeryCreek	5013	PF 1	2173	2332	2337.28	2337.28	2339.32	0.007354	11.47	189.52	47.1	1.01
MontgomeryCreek	4828	PF 1	2173	2328.88	2332.59	2332.59	2333.49	0.008933	7.59	286.25	161.7	1.01
MontgomeryCreek	4688	PF 1	2173	2324.7	2330.17		2331.11	0.005396	7.78	279.27	103.24	0.83
MontgomeryCreek	4568	PF 1	2173	2322.83	2330.43		2330.72	0.000757	4.28	507.15	103.44	0.34
MontgomeryCreek	4416	PF 1	2173	2323.94	2329.11	2329.11	2330.35	0.008226	8.99	246.47	105.3	1.01
MontgomeryCreek	4248	PF 1	2173	2302.99	2309.85	2309.85	2311.42	0.008013	10.12	218.97	72.4	1.02
MontgomeryCreek	4157	PF 1	2173	2301	2307.06	2307.06	2308.95	0.007251	11.02	197.15	52.29	1
MontgomeryCreek	4076	PF 1	2173	2298.99	2306.07	2306.07	2307.86	0.007828	10.75	202.11	57.66	1.01
MontgomeryCreek	3966	PF 1	2173	2297	2302.94	2302.94	2304.53	0.007739	10.12	214.72	67.74	1
MontgomeryCreek	3871	PF 1	2173	2295.98	2300.8	2300.8	2302.53	0.007674	10.56	205.86	60.01	1
MontgomeryCreek	3672	PF 1	2173	2293.95	2297.21		2297.65	0.004267	5.36	405.13	221.19	0.7
MontgomeryCreek	3554	PF 1	2173	2289.94	2295.32	2295.32	2296.88	0.007898	10.03	216.65	69.37	1
MontgomeryCreek	3402	PF 1	2173	2287.71	2291.04	2291.04	2292.4	0.007861	9.37	232.03	85.34	1
MontgomeryCreek	3292	PF 1	2173	2284.94	2287.99	2287.99	2288.98	0.008879	7.98	272.37	140.63	1.01
MontgomeryCreek	3179	PF 1	2173	2281.99	2285.43	2285.43	2286.66	0.008104	8.9	244.27	100.22	1
MontgomeryCreek	3044	PF 1	2173	2279.83	2284.11	2284.11	2284.94	0.009187	7.31	297.26	179.7	1
MontgomeryCreek	2813	PF 1	2173	2275.84	2278.42	2278.42	2279.16	0.009442	6.91	314.46	212.52	1
MontgomeryCreek	2631	PF 1	2173	2271.66	2274.47	2274.47	2275.3	0.008877	7.3	297.47	177.25	0.99
MontgomeryCreek	2503	PF 1	2173	2268.97	2271.62	2271.62	2272.22	0.010179	6.23	348.63	290.51	1
MontgomeryCreek	2325	PF 1	2173	2265.98	2269.08	2269.08	2269.65	0.010333	6.02	360.97	322.35	1
MontgomeryCreek	1971	PF 1	2173	2259.26	2261.17	2261.17	2261.78	0.010291	6.27	346.76	290.83	1.01
MontgomeryCreek	1665	PF 1	2173	2252.98	2255.35	2255.35	2255.93	0.010407	6.1	356.31	313.2	1.01
MontgomeryCreek	1370	PF 1	2173	2243.93	2247.94	2247.94	2248.38	0.011238	5.34	407.08	462.3	1
MontgomeryCreek	1083	PF 1	2173	2238.98	2241.21	2241.21	2241.65	0.011066	5.32	408.22	462.44	1
MontgomeryCreek	925	PF 1	2173	2234.99	2237.63	2237.63	2238.11	0.010885	5.55	391.52	411.45	1
MontgomeryCreek	807	PF 1	2173	2231.97	2234.22	2234.22	2234.72	0.010712	5.65	384.47	388.44	1
MontgomeryCreek	513	PF 1	2173	2225.47	2228.59	2228.59	2229.06	0.011342	5.54	392.55	426.95	1.02
MontgomeryCreek	280	PF 1	2173	2219	2222.55		2222.73	0.001931	3.41	637.37	380.5	0.46

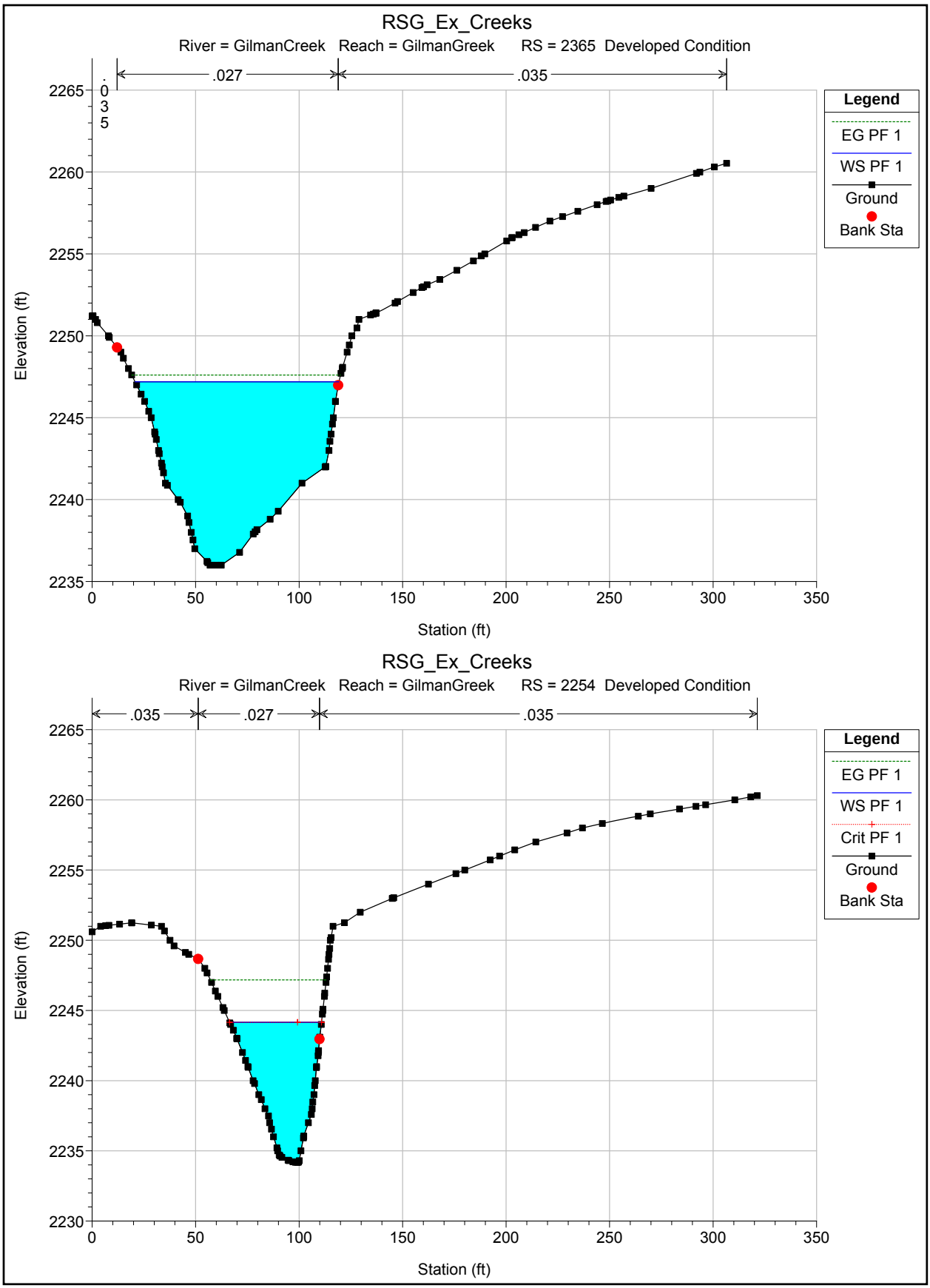

RSG_Ex_Creeks Developed Condition
GilmanCreekGilmanGreek
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Elevation (ft)
2270
2260
2250
2240
2230
2220
2210
2200
0
500
1000
1500
2000
2500
3000
Main Channel Distance (ft)

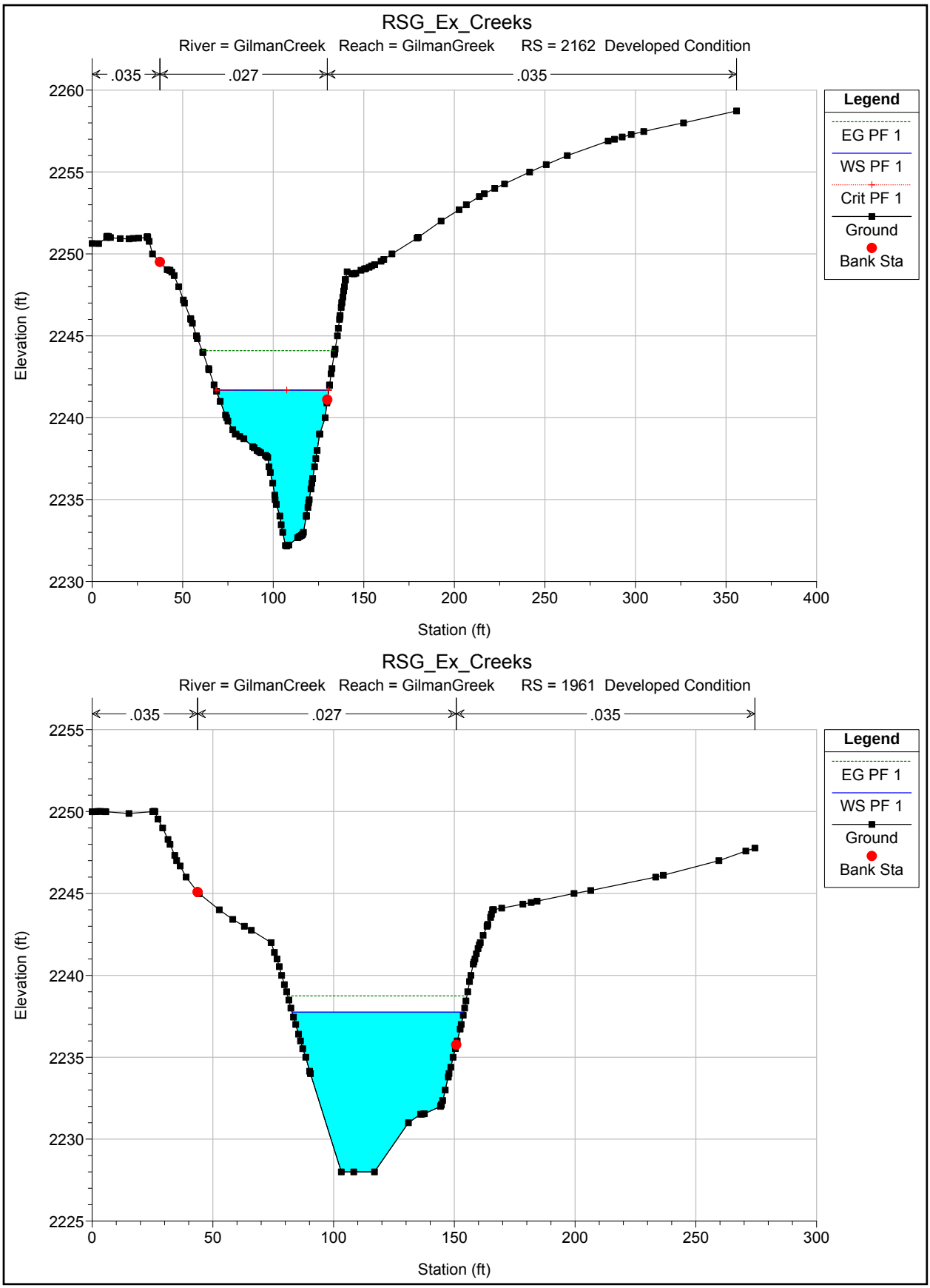
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
GilmanGreek	3039	PF 1	3665	2249.96	2258.66		2260.35	0.004148	10.41	352.32	67.11	0.8
GilmanGreek	2935	PF 1	3665	2245.28	2256.8	2256.8	2259.67	0.007074	13.61	269.28	47	1
GilmanGreek	2789	PF 1	3665	2243.64	2251.8	2251.8	2254.46	0.006807	13.1	279.85	53.34	1.01
GilmanGreek	2669	PF 1	3665	2242.25	2249.48	2249.48	2252.25	0.006839	13.35	274.52	50.7	1.01
GilmanGreek	2560	PF 1	3665	2238.69	2246.72		2248.15	0.004363	9.57	382.78	86.19	0.8
GilmanGreek	2444	PF 1	3665	2237.96	2247.45		2247.67	0.000433	3.77	971.6	157.08	0.27
GilmanGreek	2365	PF 1	3665	2236	2247.19		2247.61	0.000664	5.15	711.05	98.52	0.34
GilmanGreek	2254	PF 1	3665	2234.17	2244.16	2244.16	2247.17	0.00685	13.94	263.46	44.42	1
GilmanGreek	2162	PF 1	3665	2232.16	2241.68	2241.68	2244.09	0.006966	12.46	294.25	62.22	1
GilmanGreek	1961	PF 1	3665	2228	2237.76		2238.74	0.001762	7.97	462.26	71.14	0.54
GilmanGreek	1816	PF 1	3665	2225	2235.39	2235.39	2238.11	0.007164	13.25	276.62	51.19	1
GilmanGreek	1650	PF 1	3665	2222.86	2231.13	2231.13	2233.83	0.006777	13.2	277.73	51.5	1
GilmanGreek	1536	PF 1	3665	2221.95	2230.24	2230.24	2233.03	0.006814	13.39	273.66	49.37	1
GilmanGreek	1359	PF 1	3665	2220.19	2225.76	2225.76	2227.73	0.006846	11.25	327.8	87.01	1
GilmanGreek	1153	PF 1	3665	2211.75	2221.54	2221.54	2224.41	0.007416	13.6	269.54	47.38	1
GilmanGreek	1034	PF 1	3665	2209.99	2219.68	2219.68	2222.85	0.007239	14.3	256.25	40.85	1.01
GilmanGreek	924	PF 1	3665	2209.93	2217.13	2217.13	2219.68	0.006799	12.81	286.2	56.25	1
GilmanGreek	809	PF 1	3665	2209	2217.65	2217.65	2218.65	0.003538	8.39	588.35	472.88	0.72
GilmanGreek	701	PF 1	3665	2207.23	2216.65	2216.65	2217.48	0.003726	8.64	696.6	432.61	0.71
GilmanGreek	518	PF 1	3665	2203.84	2210.66	2210.66	2213.38	0.006476	13.26	278.71	52.26	1
GilmanGreek	231	PF 1	3665	2201	2211.85		2211.98	0.000548	3.85	1421.71	532.04	0.28

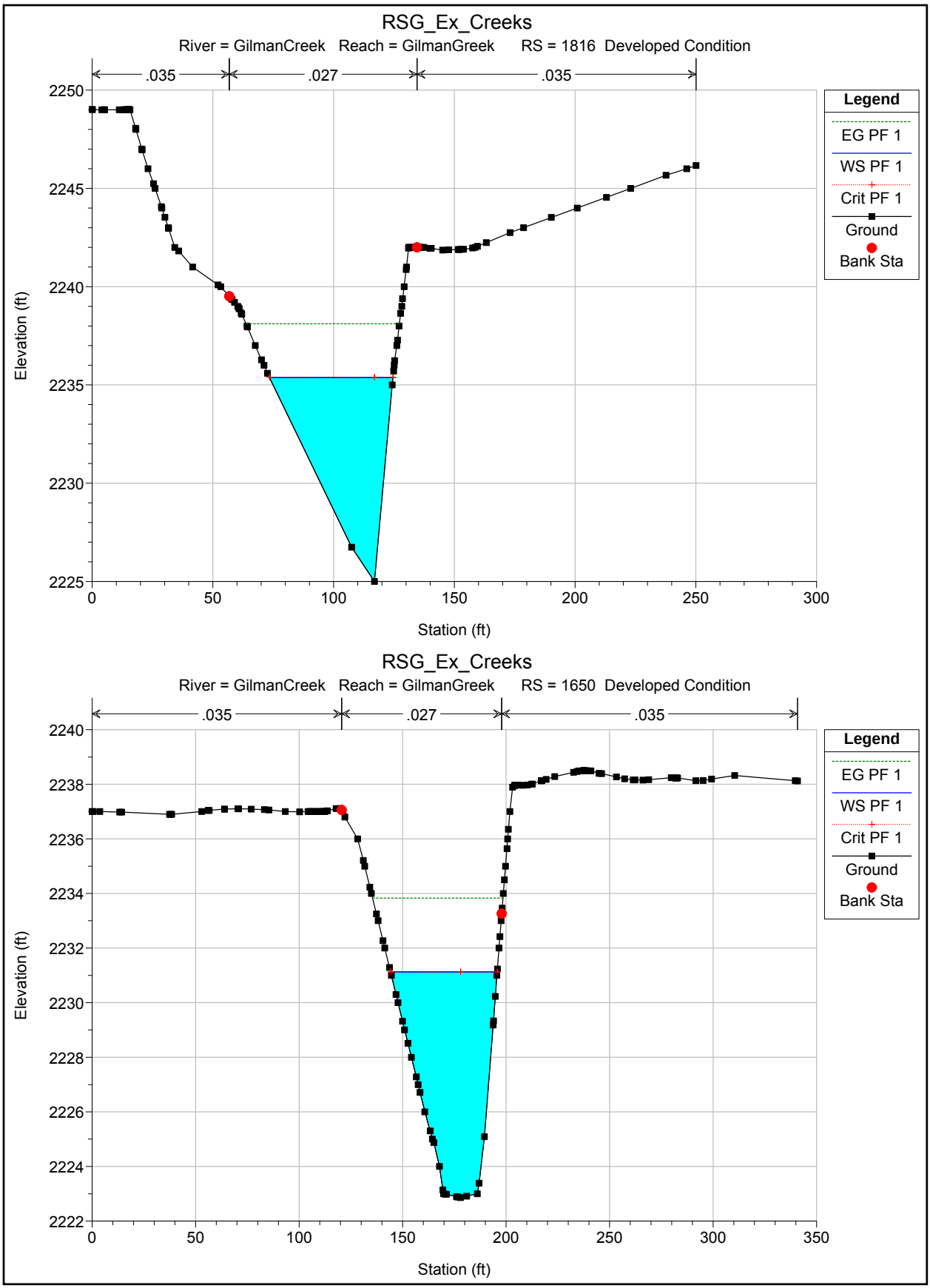

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 3039 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2935 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

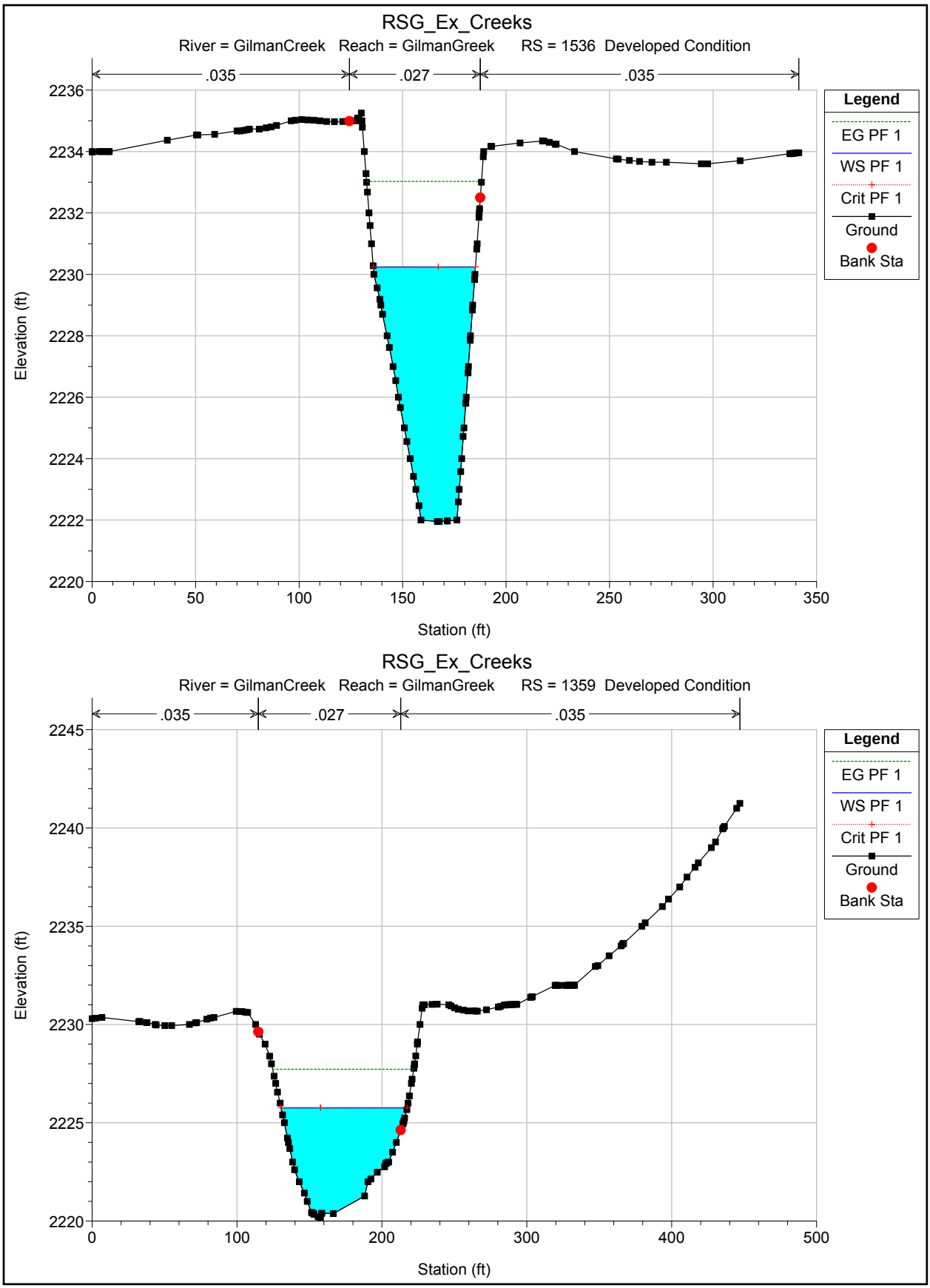

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2789 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2669 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

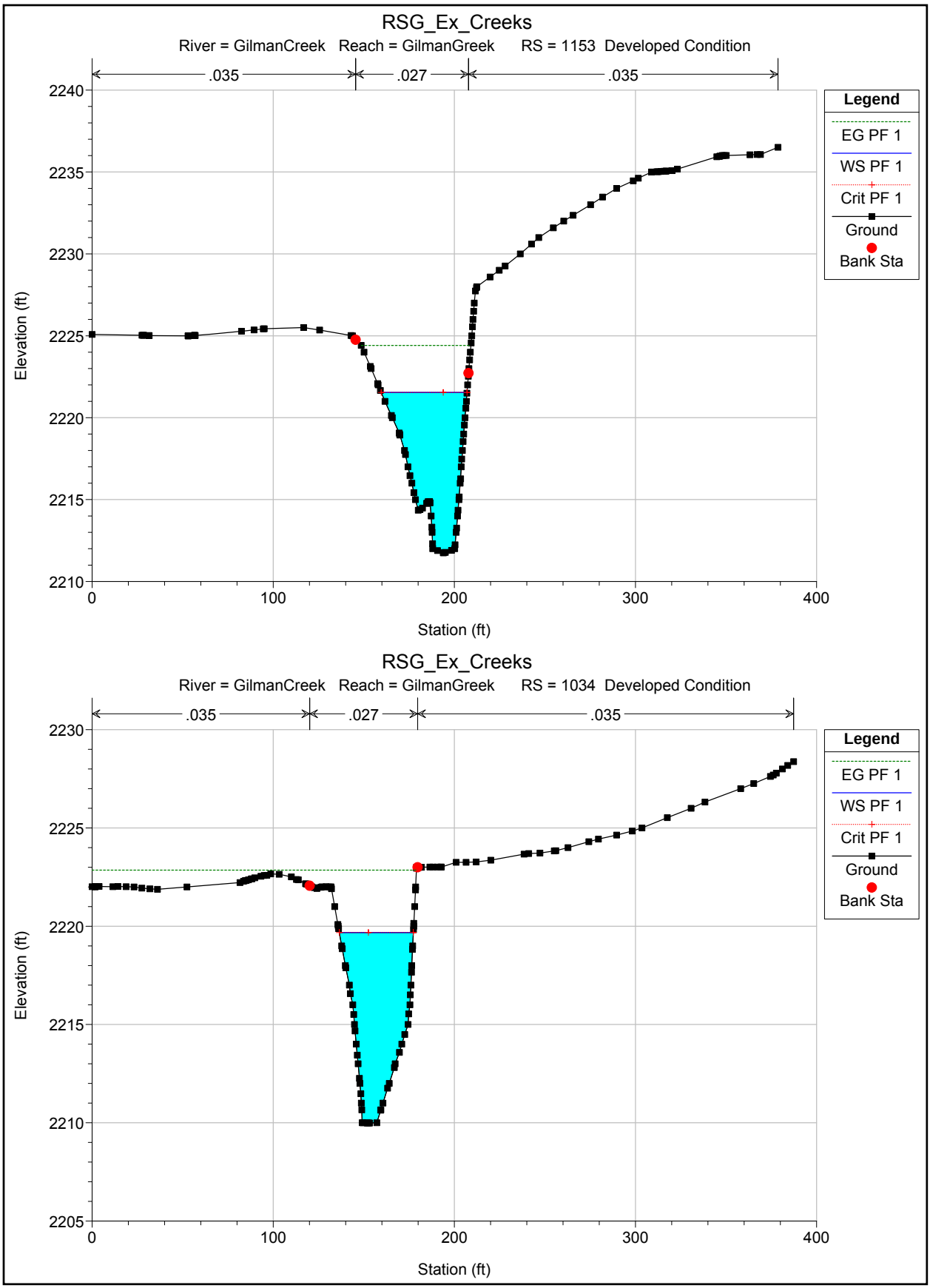

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2560 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2444 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

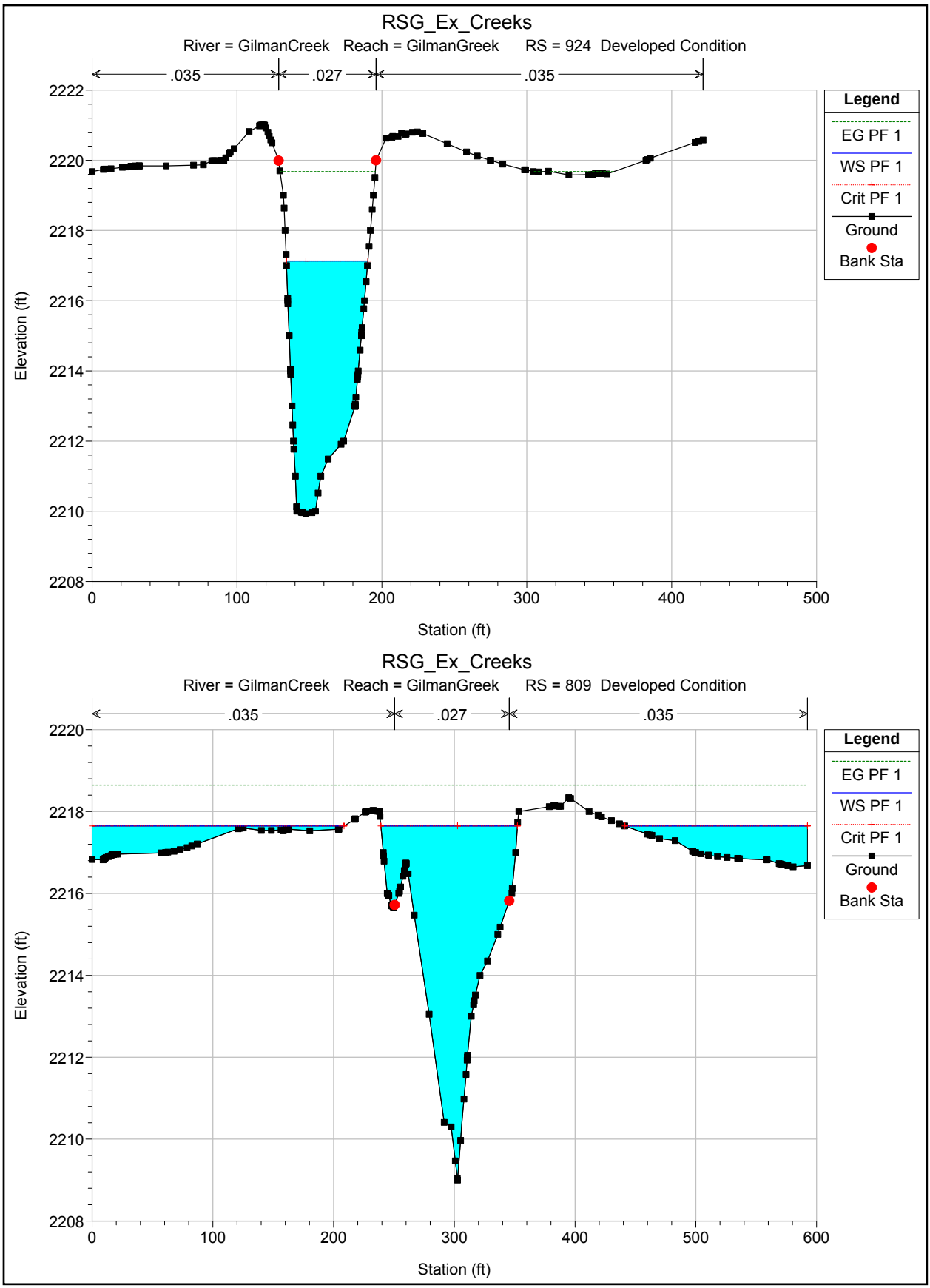

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2365 Developed Condition
.027
.035
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2254 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

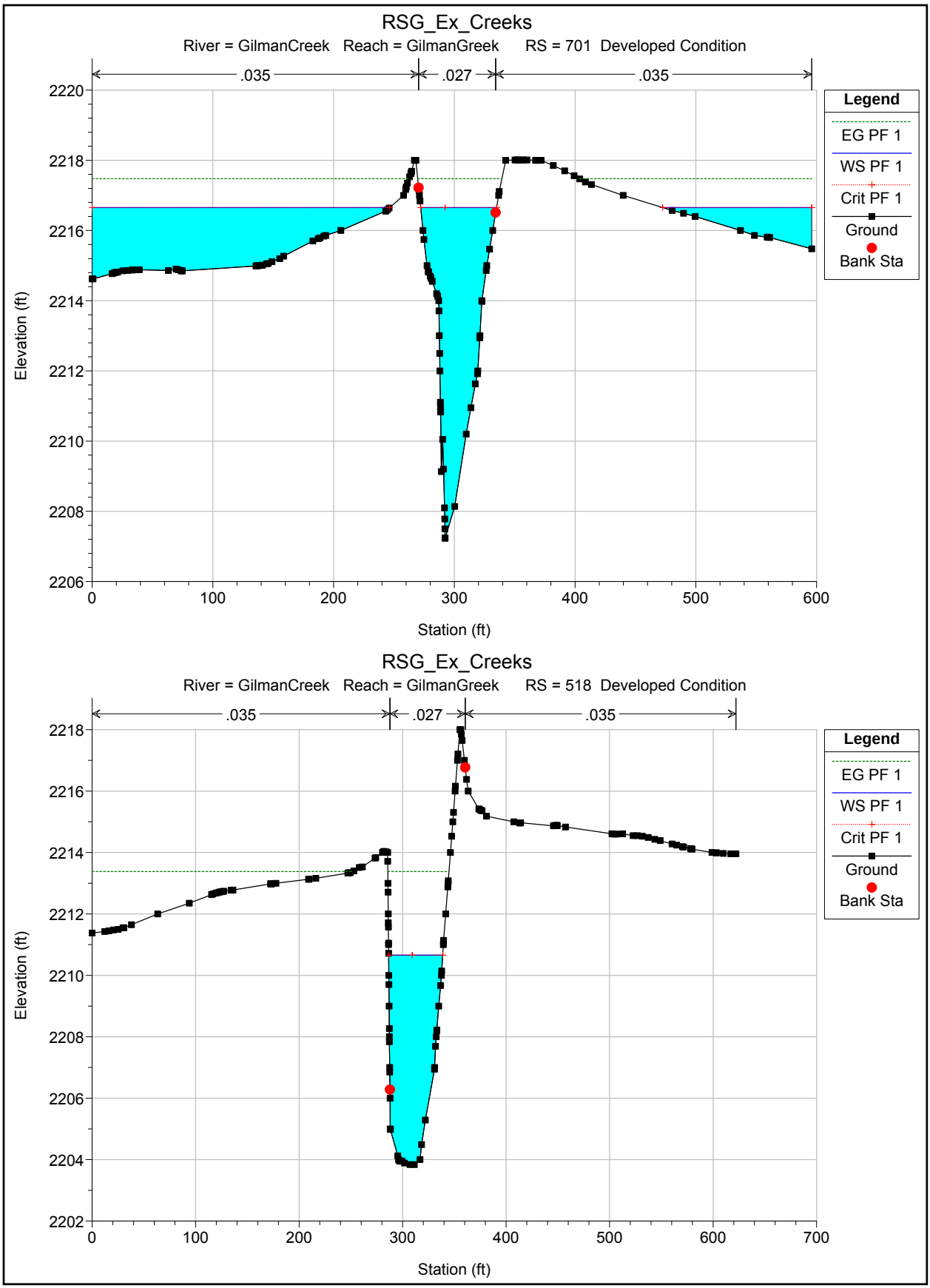

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 2162 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1961 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

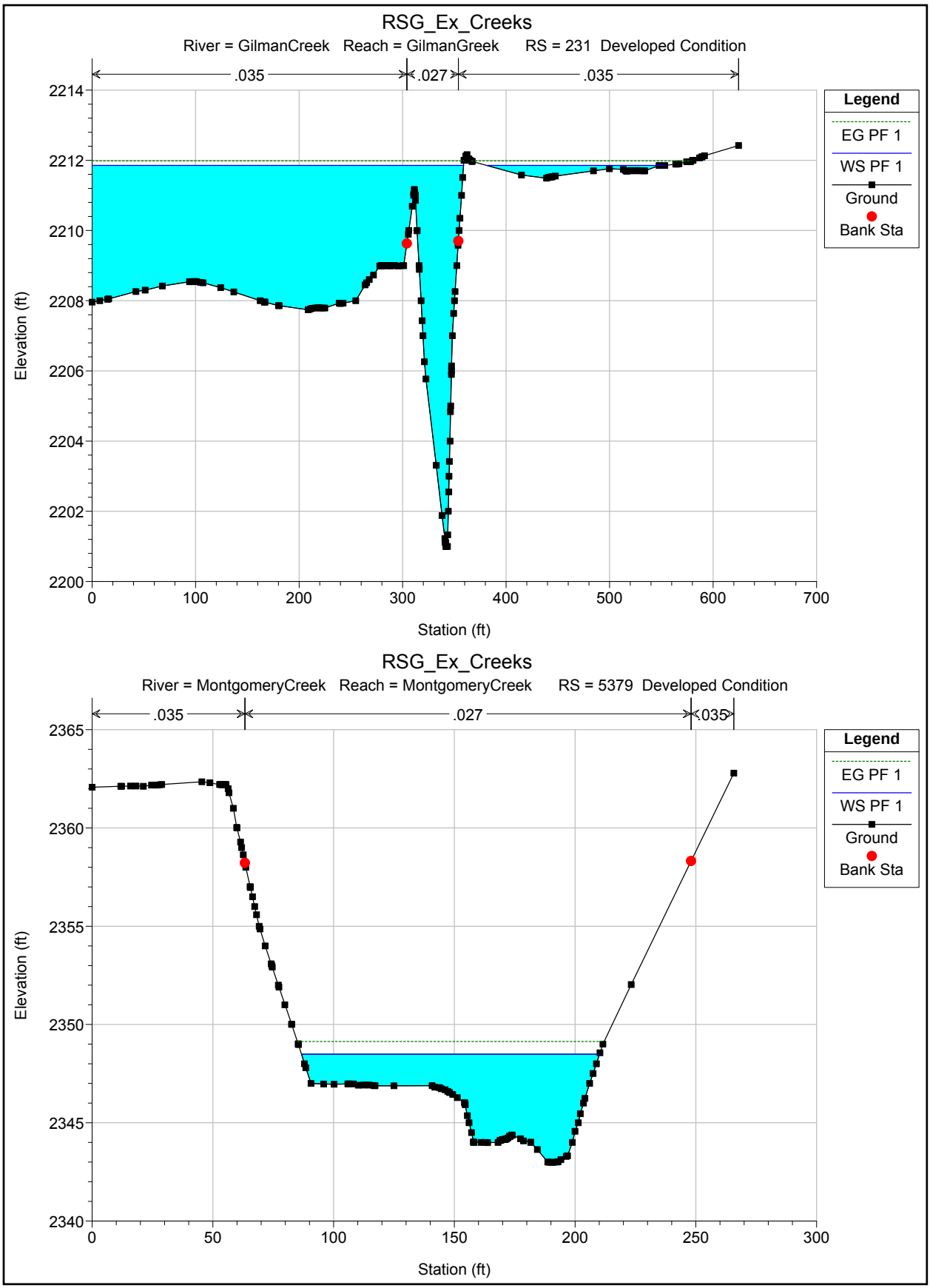

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1816 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1650 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

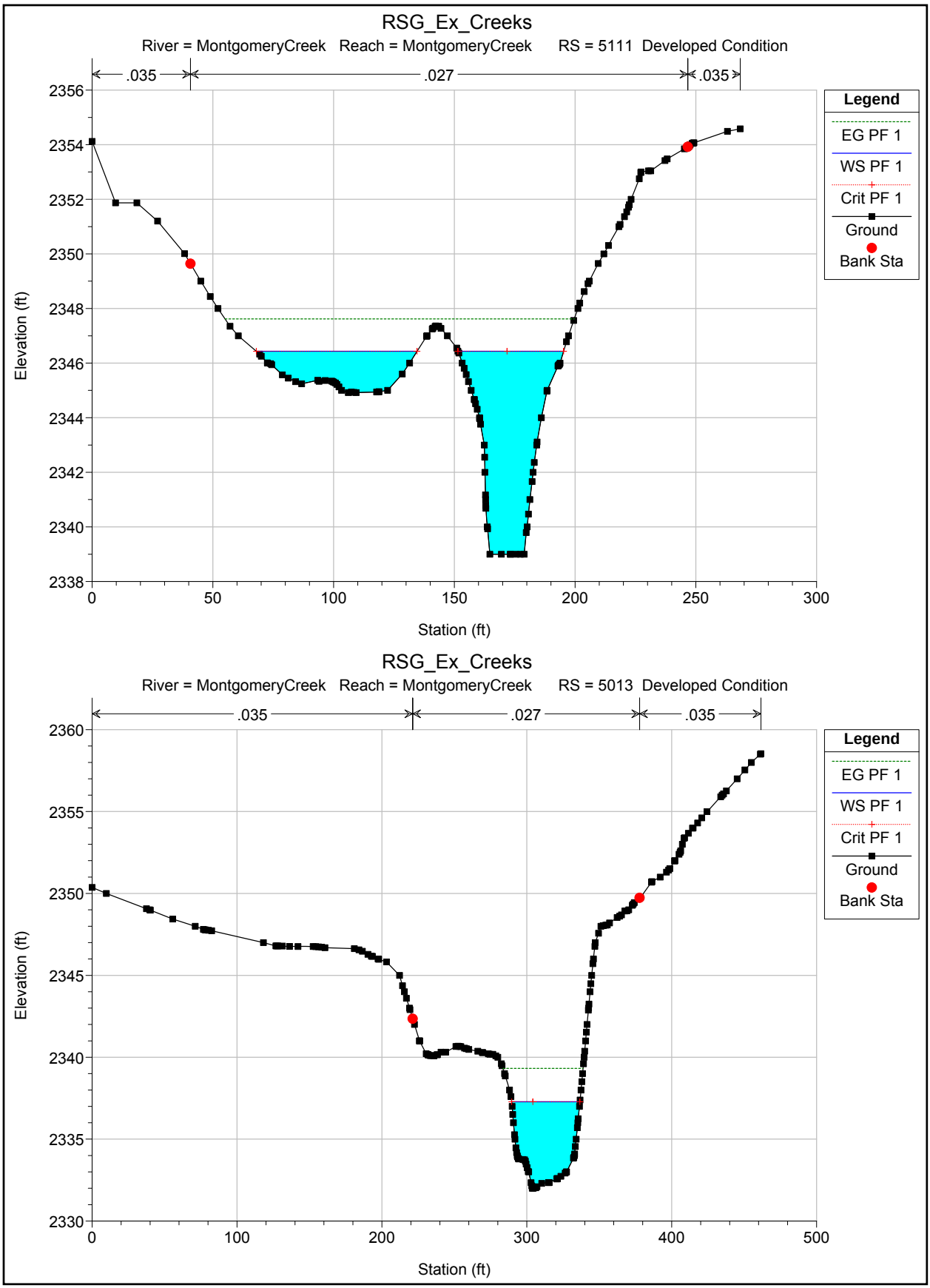

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1536 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1359 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

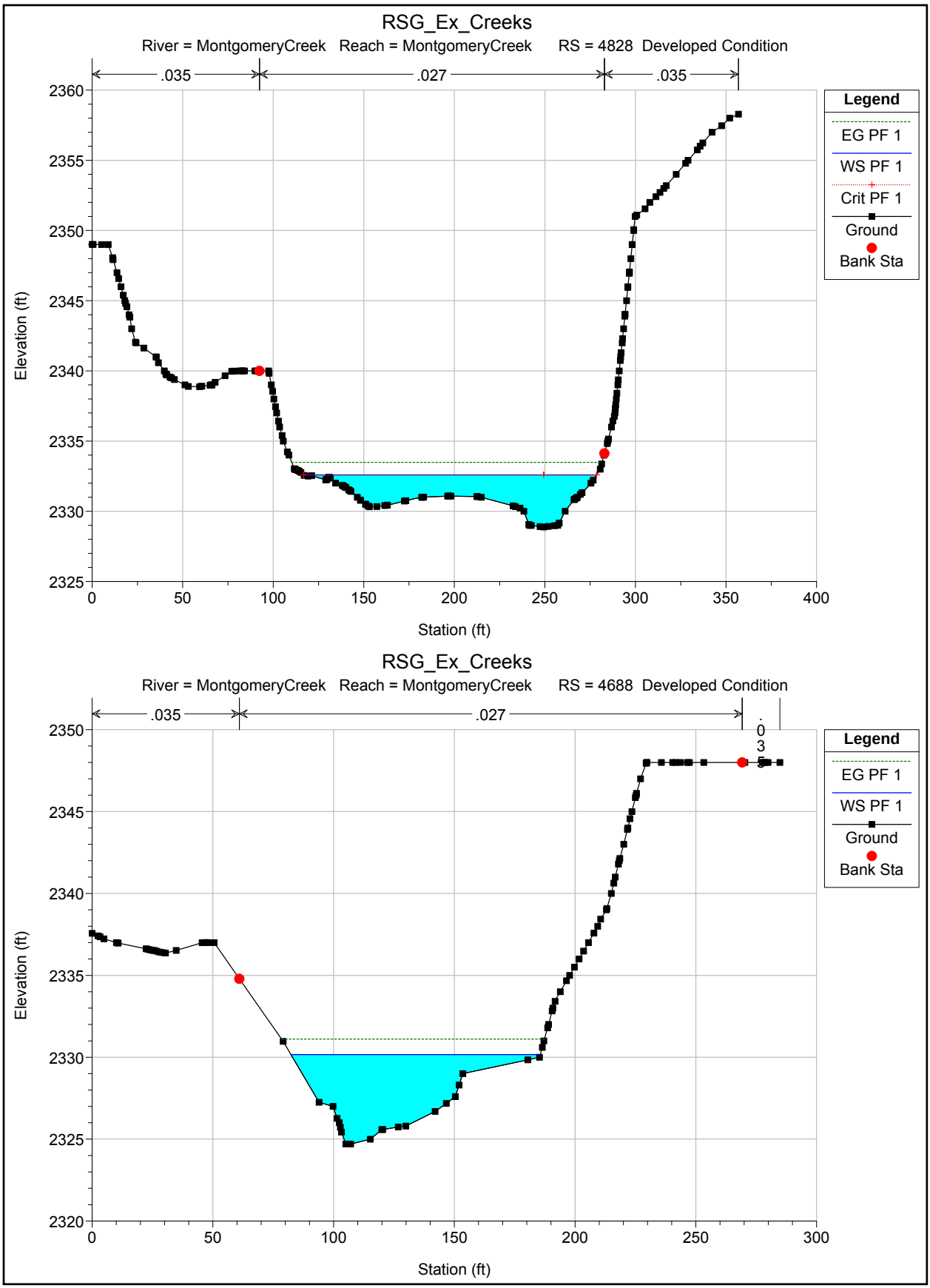

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1153 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 1034 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

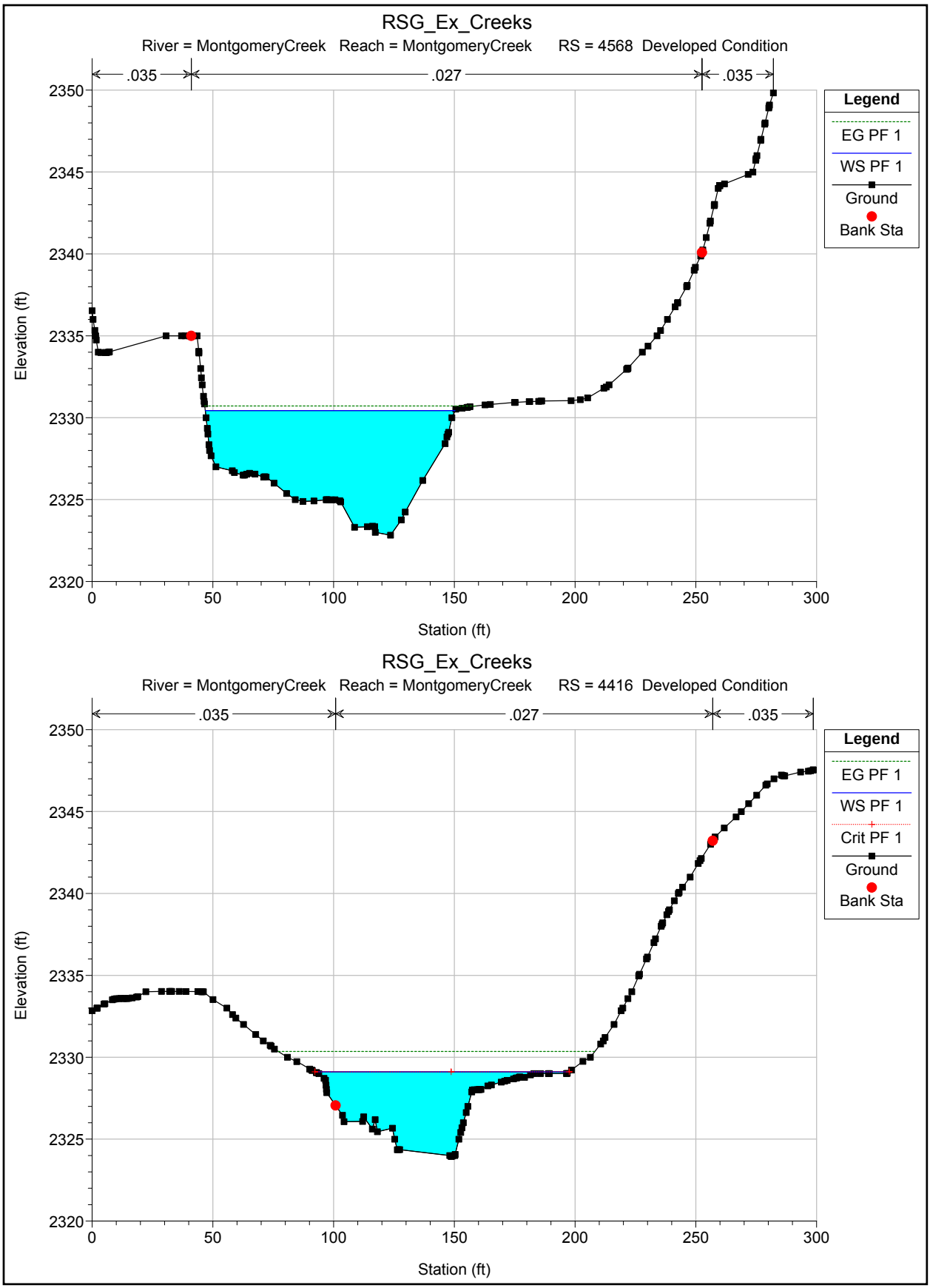

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 924 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2222
2220
2218
2216
2214
2212
2210
2208
0
100
200
300
400
500
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 809 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2220
2218
2216
2214
2212
2210
2208
0
100
200
300
400
500
600

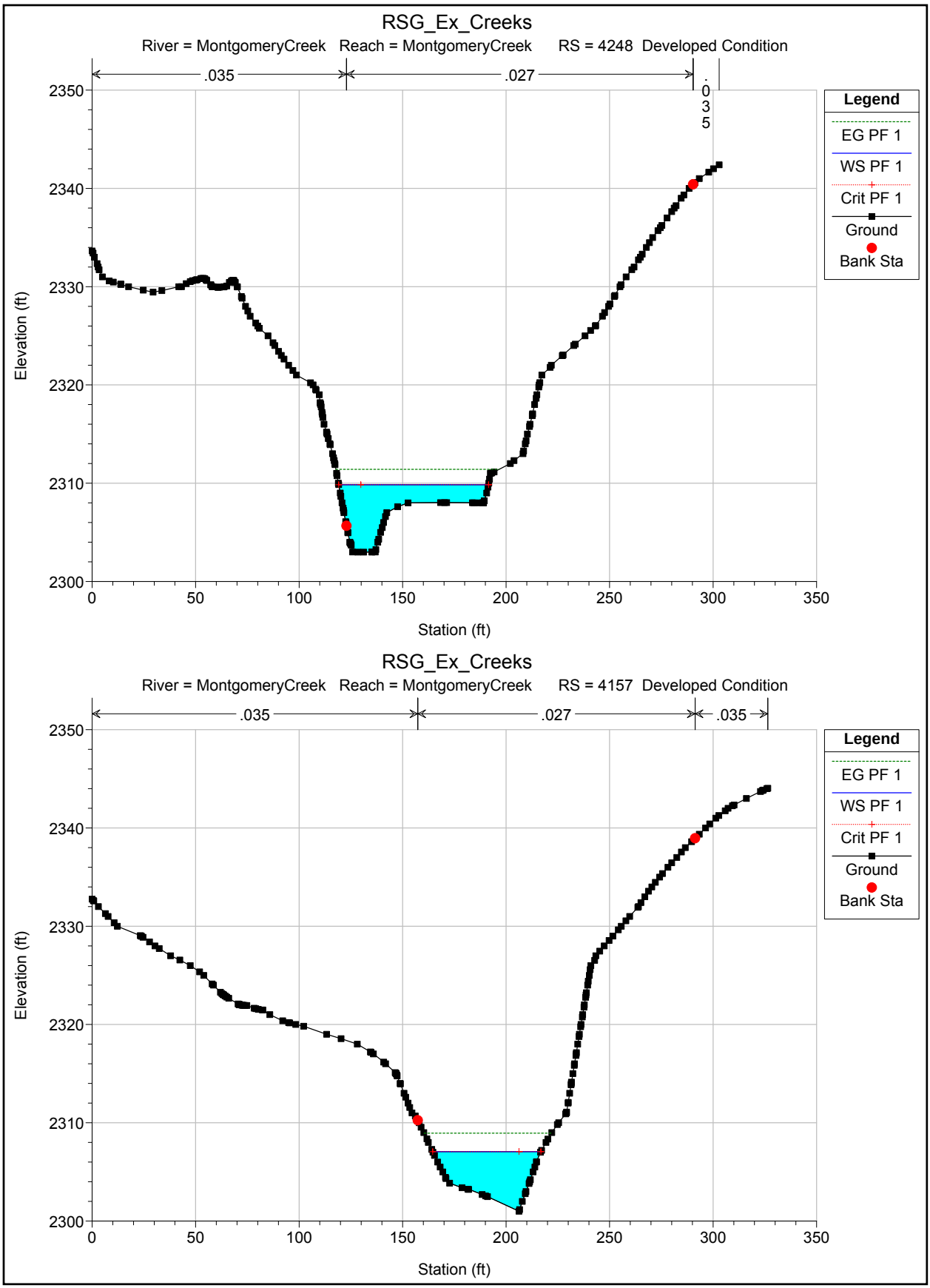

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 701 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 518 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

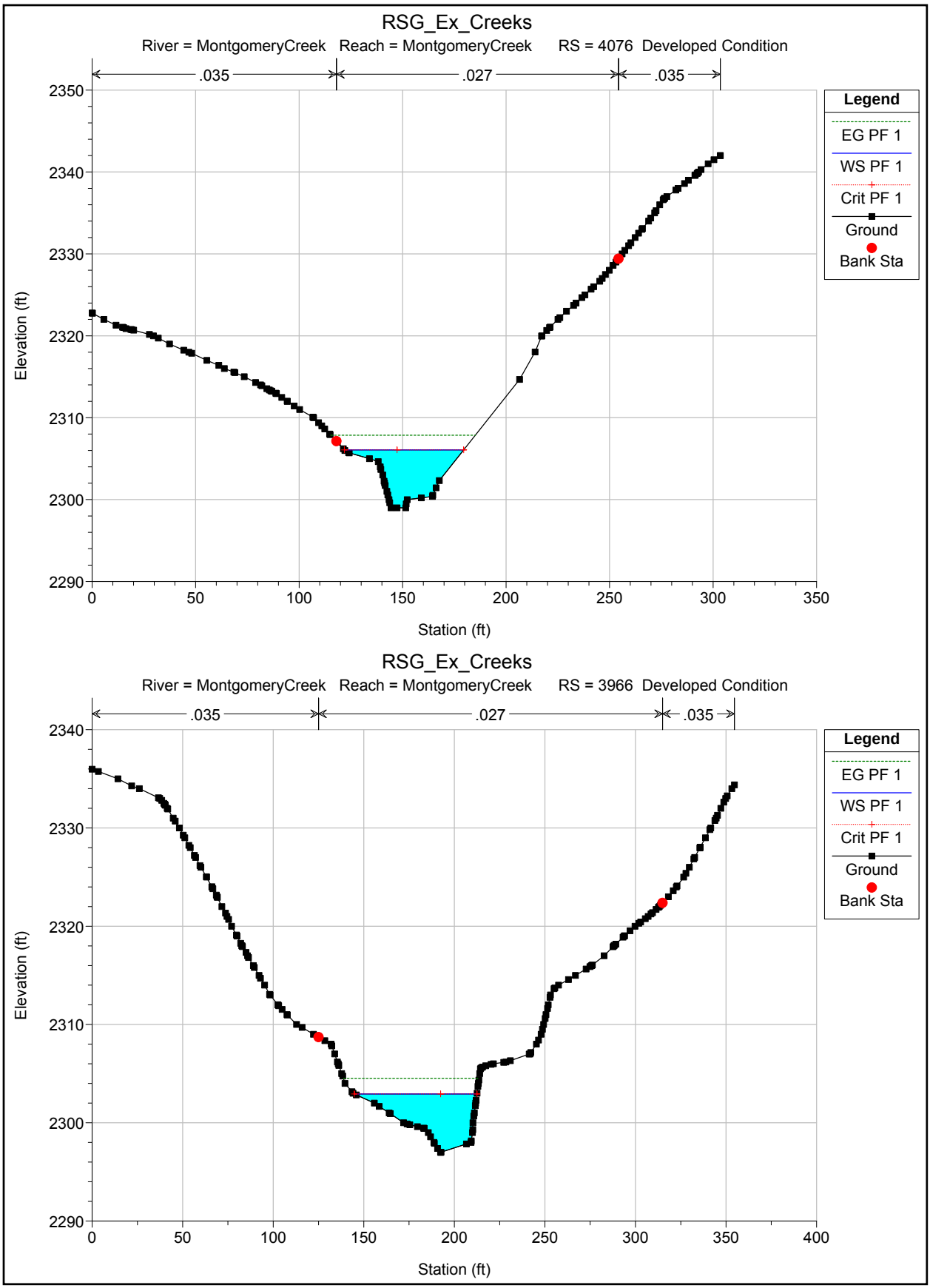

RSG_Ex_Creeks
River = GilmanCreek Reach = GilmanGreek RS = 231 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 5379 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

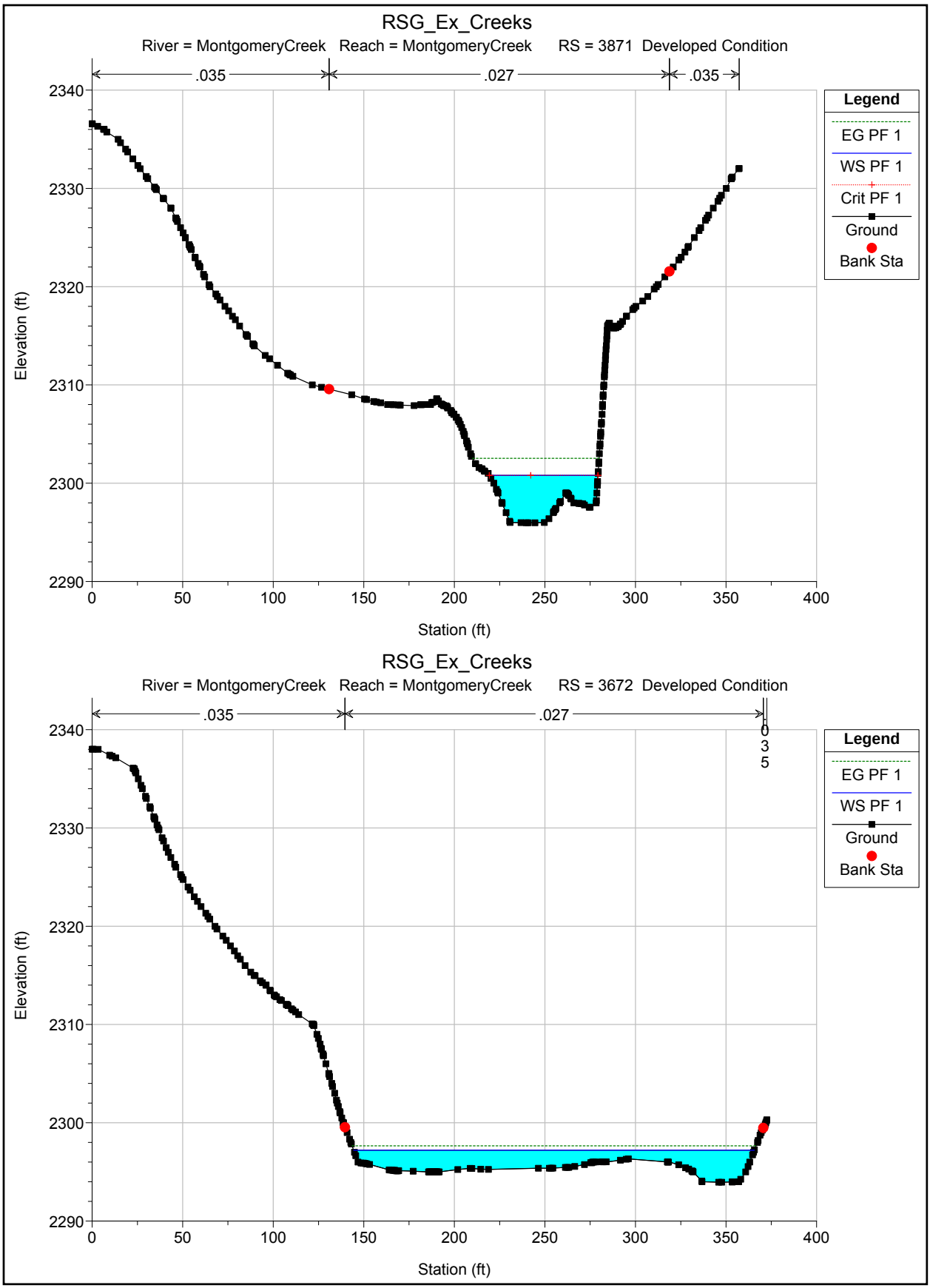

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 5111 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 5013 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

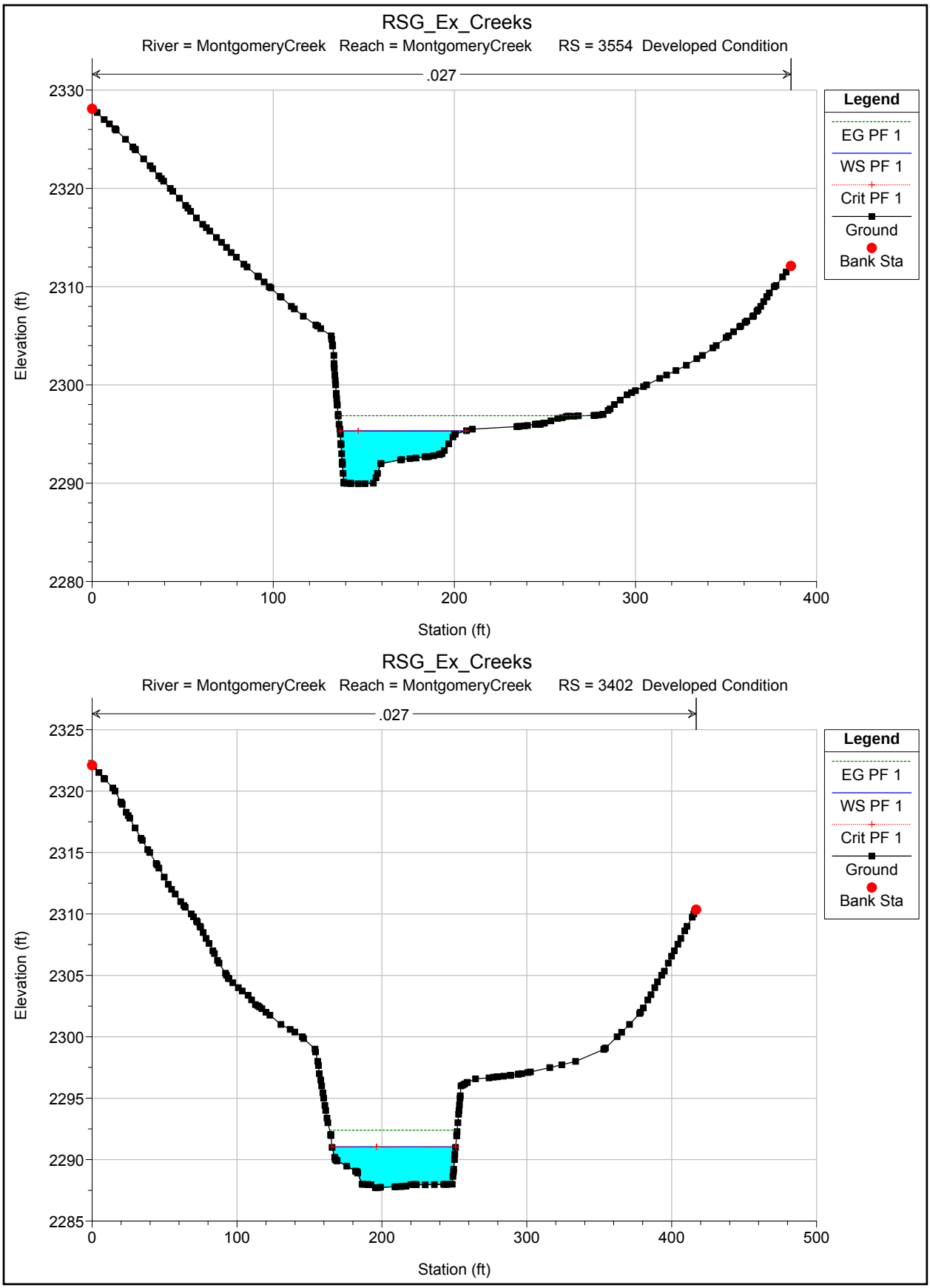

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4828 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4688 Developed Condition
.035
.027
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

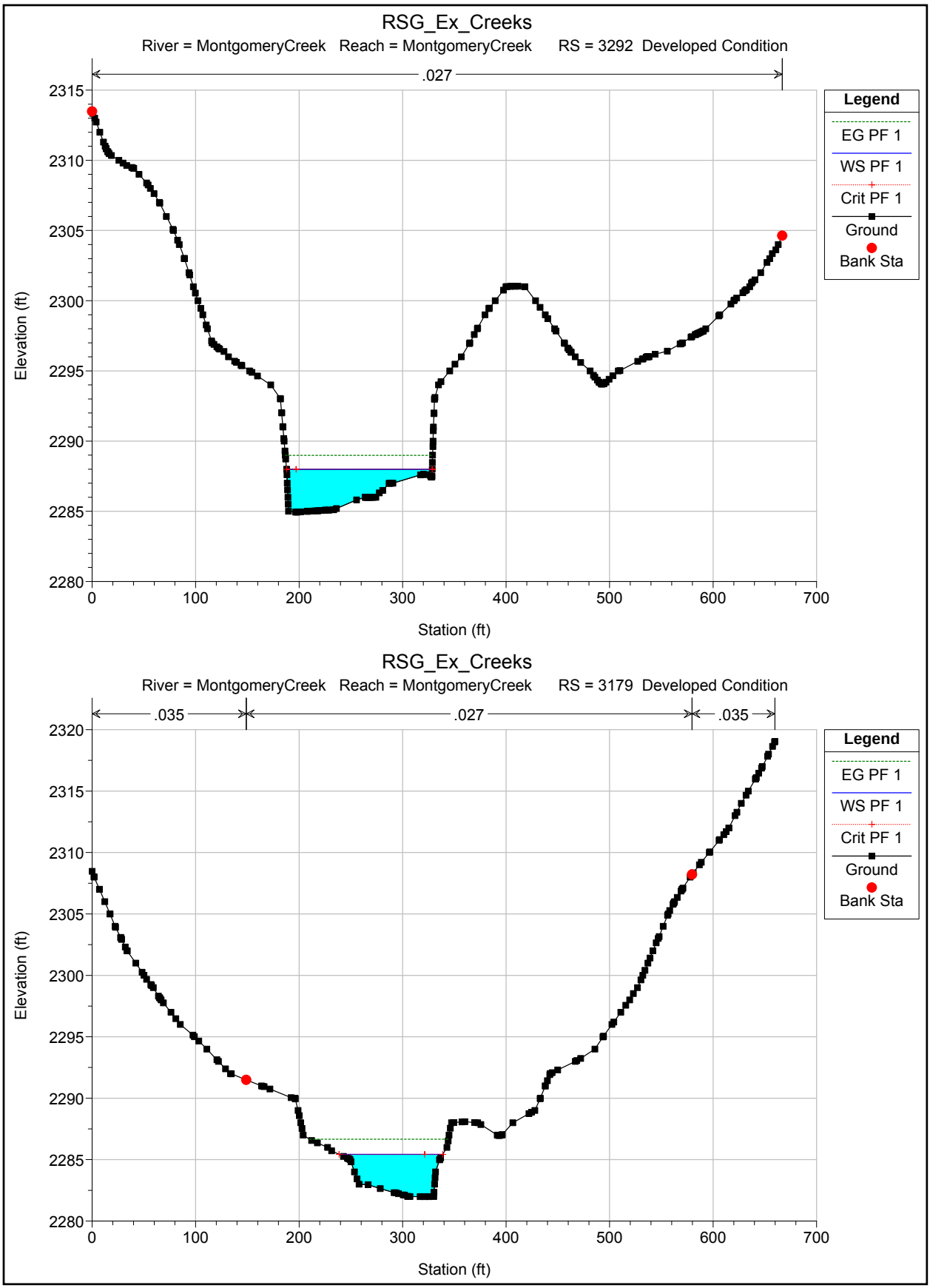

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4568 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2350
2345
2340
2335
2330
2325
2320
0
50
100
150
200
250
300
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4416 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

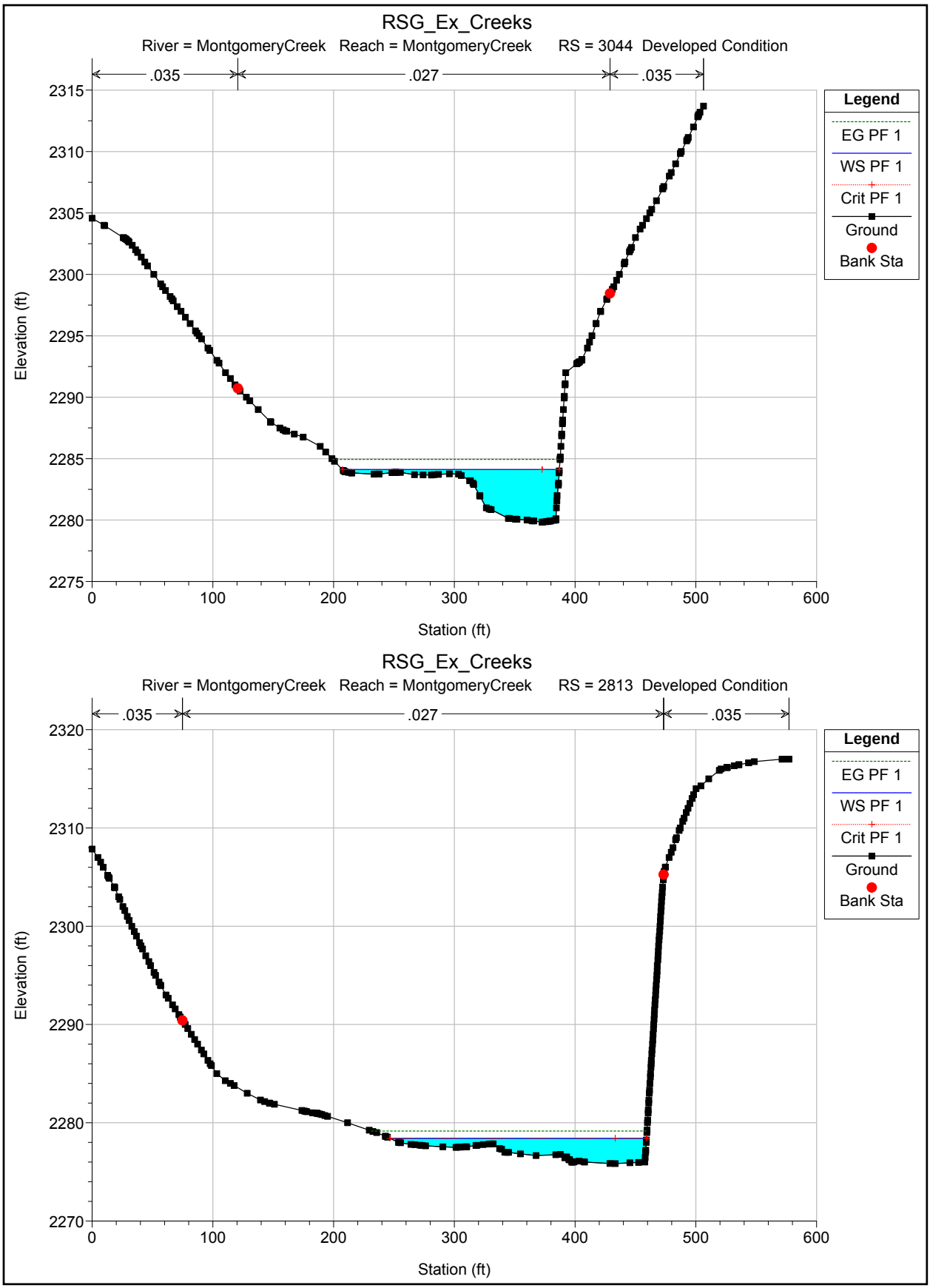

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4248 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2350
2340
2330
2320
2310
2300
0
50
100
150
200
250
300
350
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4157 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

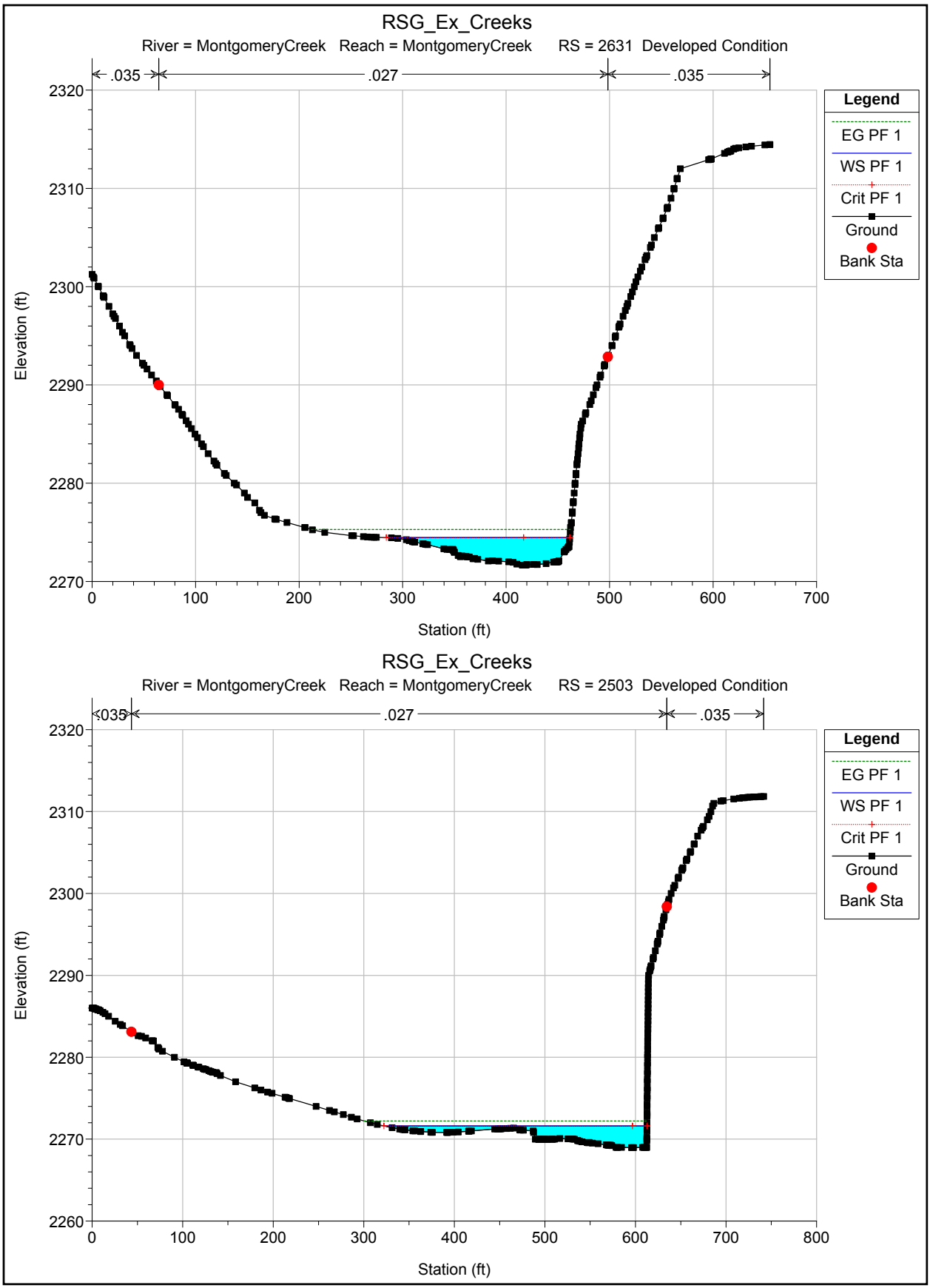

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 4076 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3966 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

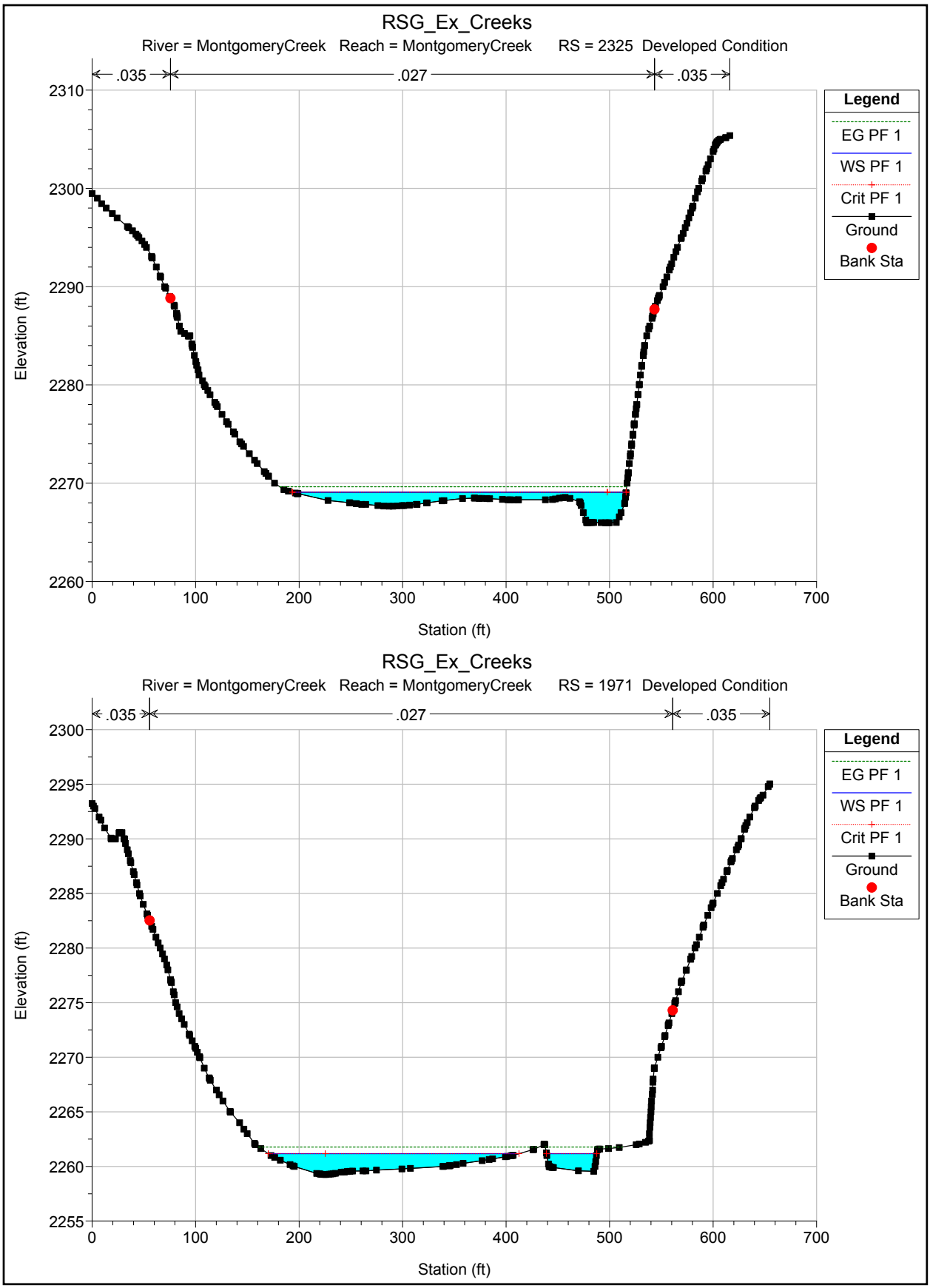

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3871 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2340
2330
2320
2310
2300
2290
0
50
100
150
200
250
300
350
400
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3672 Developed Condition
.035
.027
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

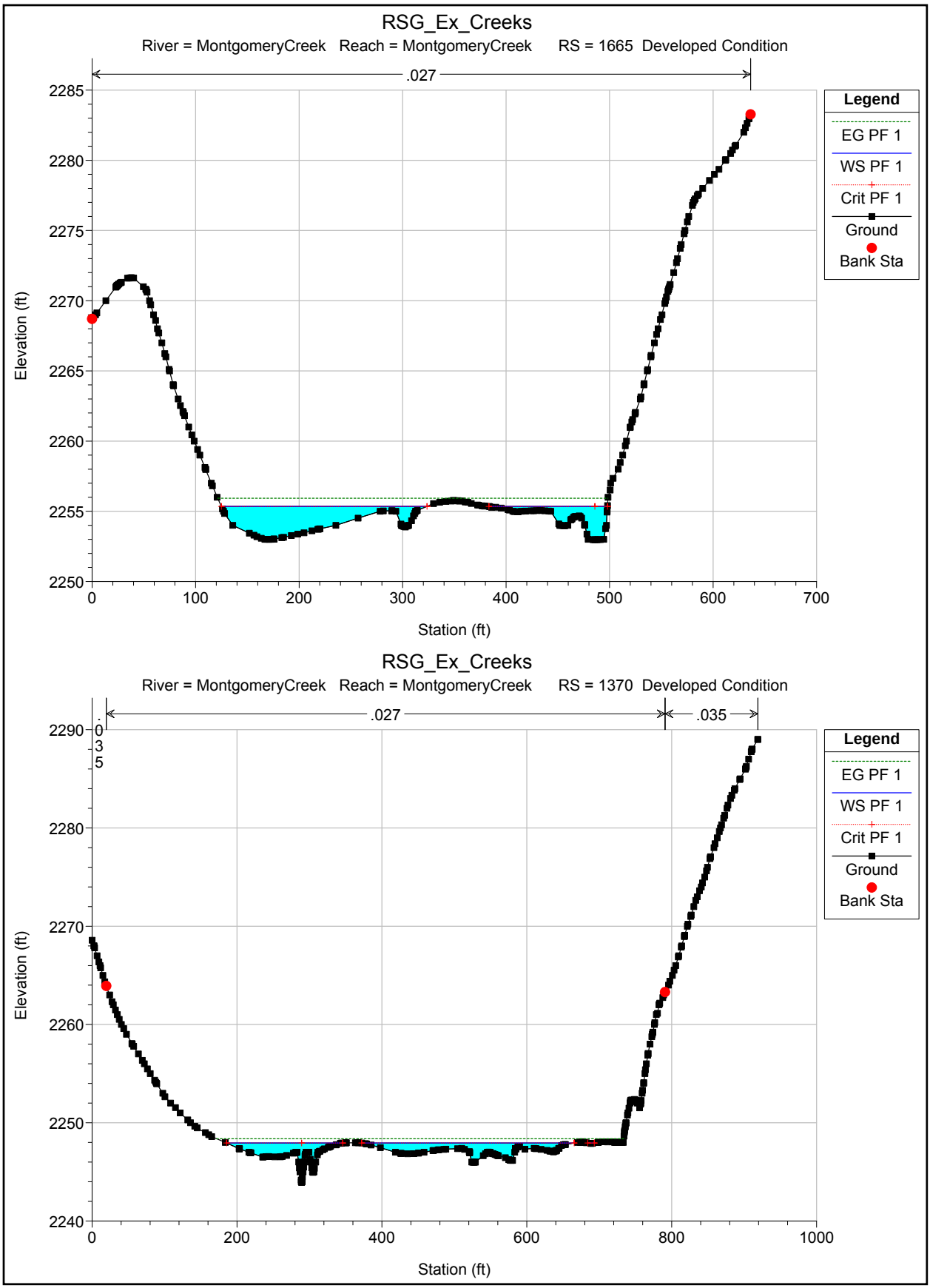

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3554 Developed Condition
.027
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2330
2320
2310
2300
2290
2280
0
100
200
300
400
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3402 Developed Condition
.027
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2325
2320
2315
2310
2305
2300
2295
2290
2285
0
100
200
300
400
500

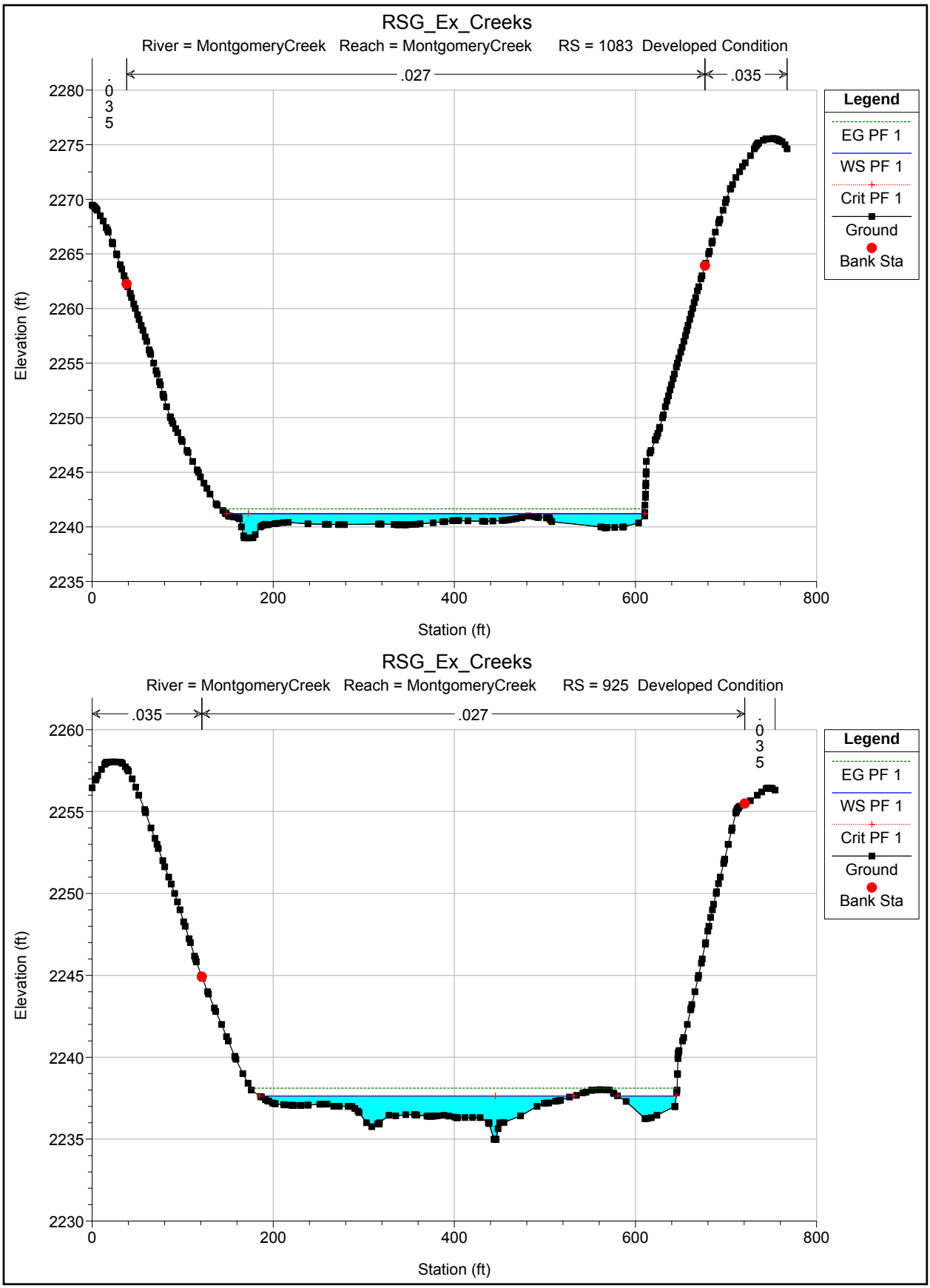

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3292 Developed Condition
.027
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2315
2310
2305
2300
2295
2290
2285
2280
0
100
200
300
400
500
600
700
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3179 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2320
2315
2310
2305
2300
2295
2290
2285
2280
0
100
200
300
400
500
600
700

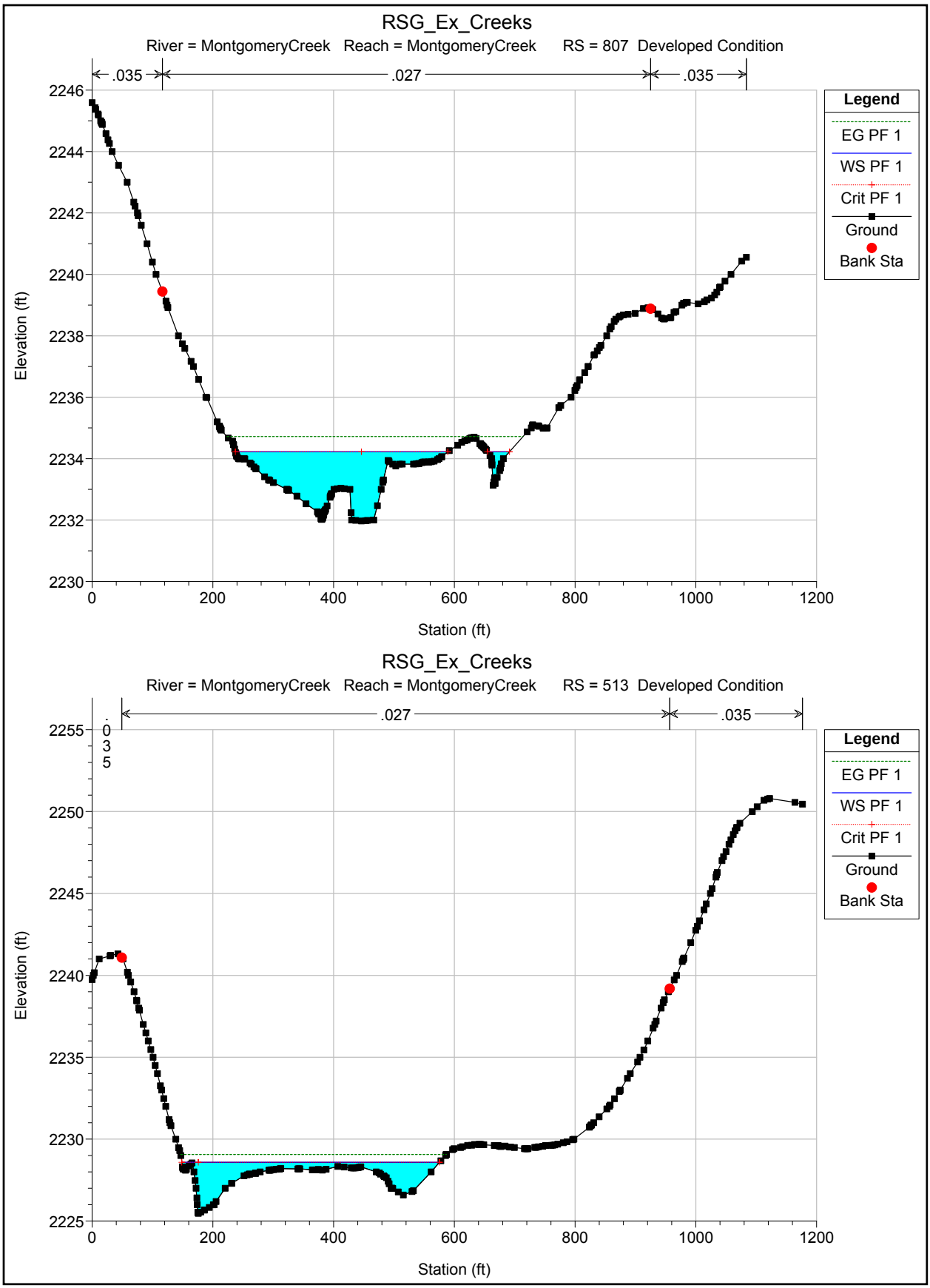

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 3044 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 2813 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

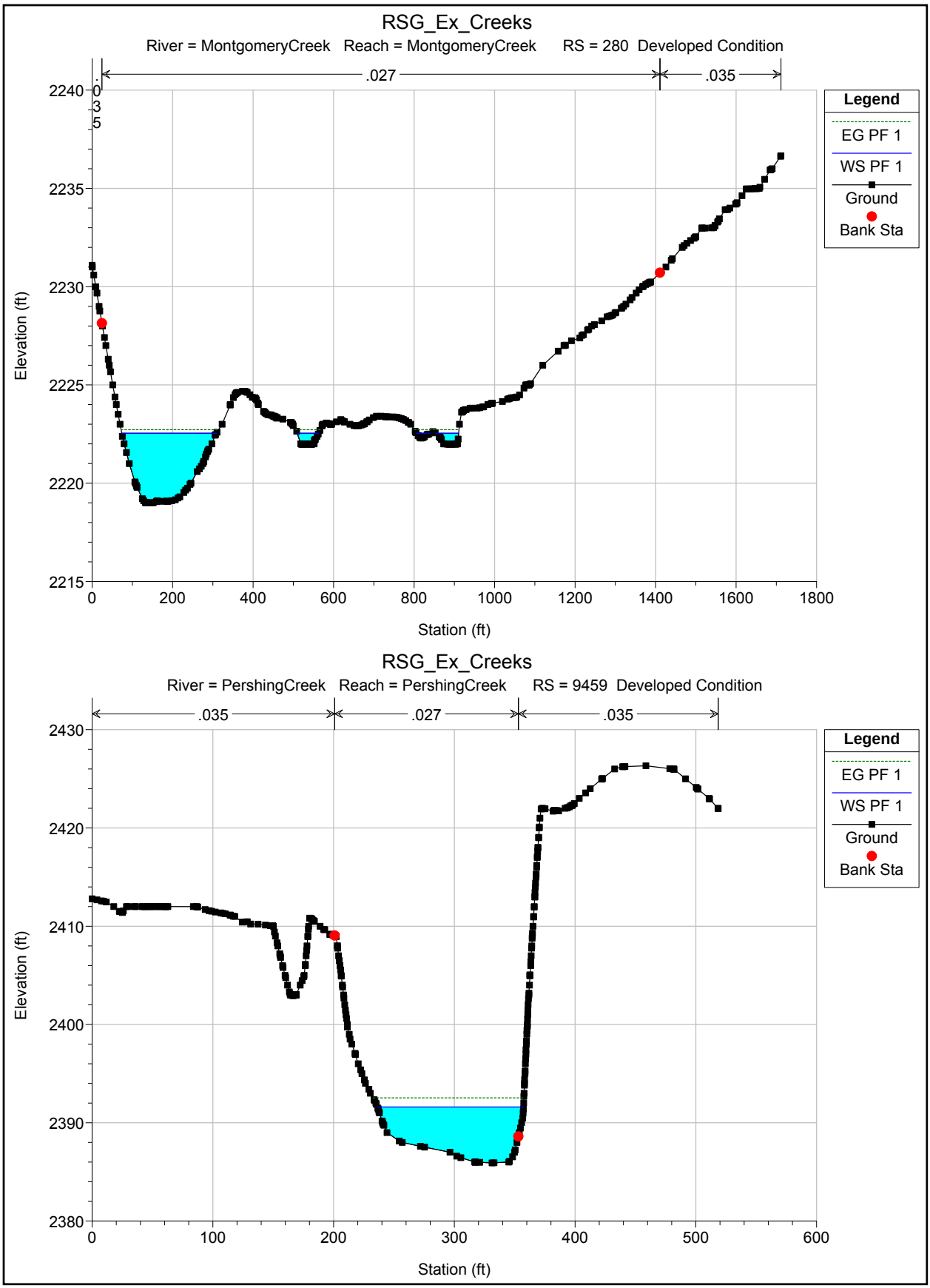

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 2631 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 2503 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

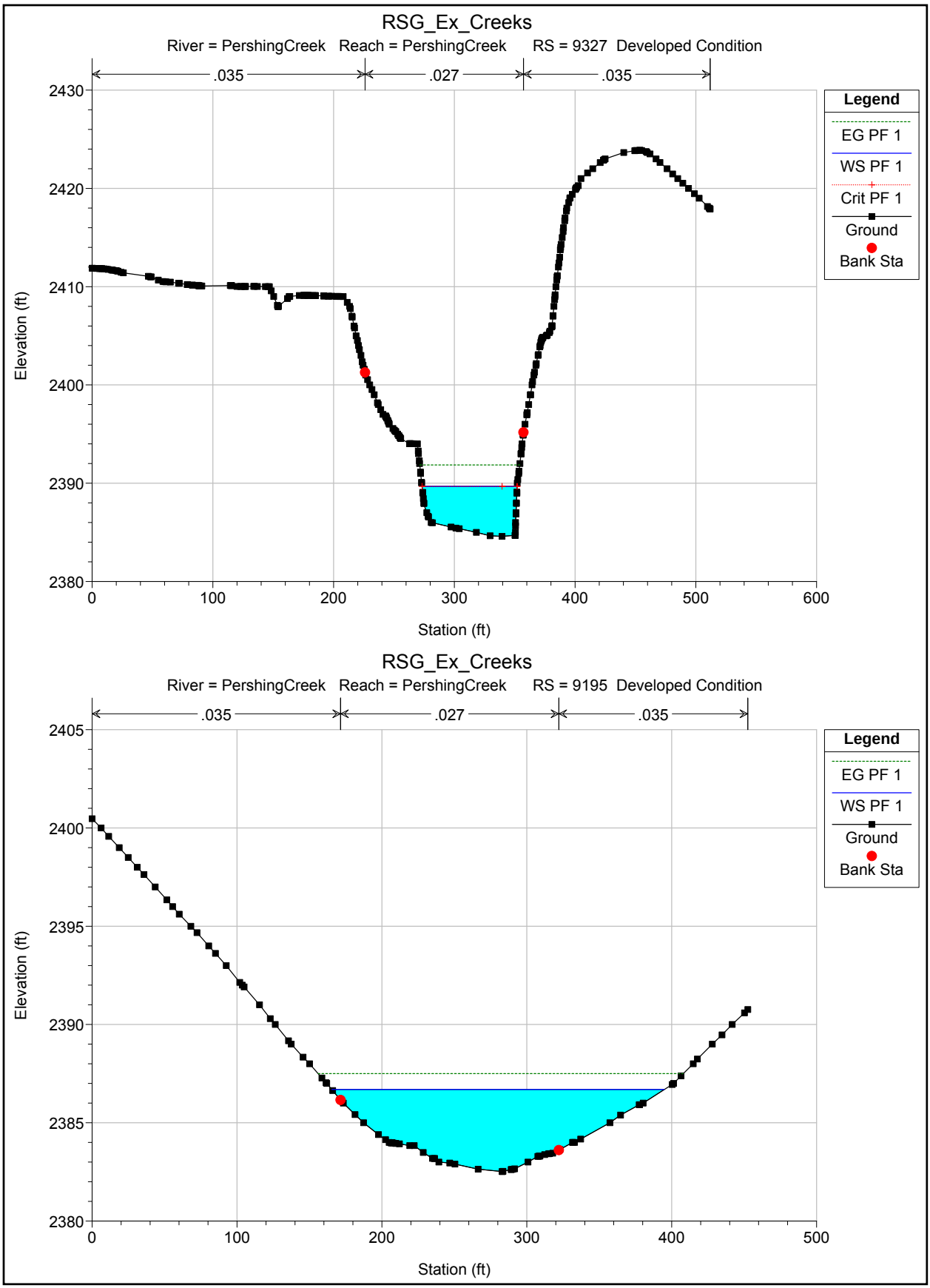

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 2325 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 1971 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

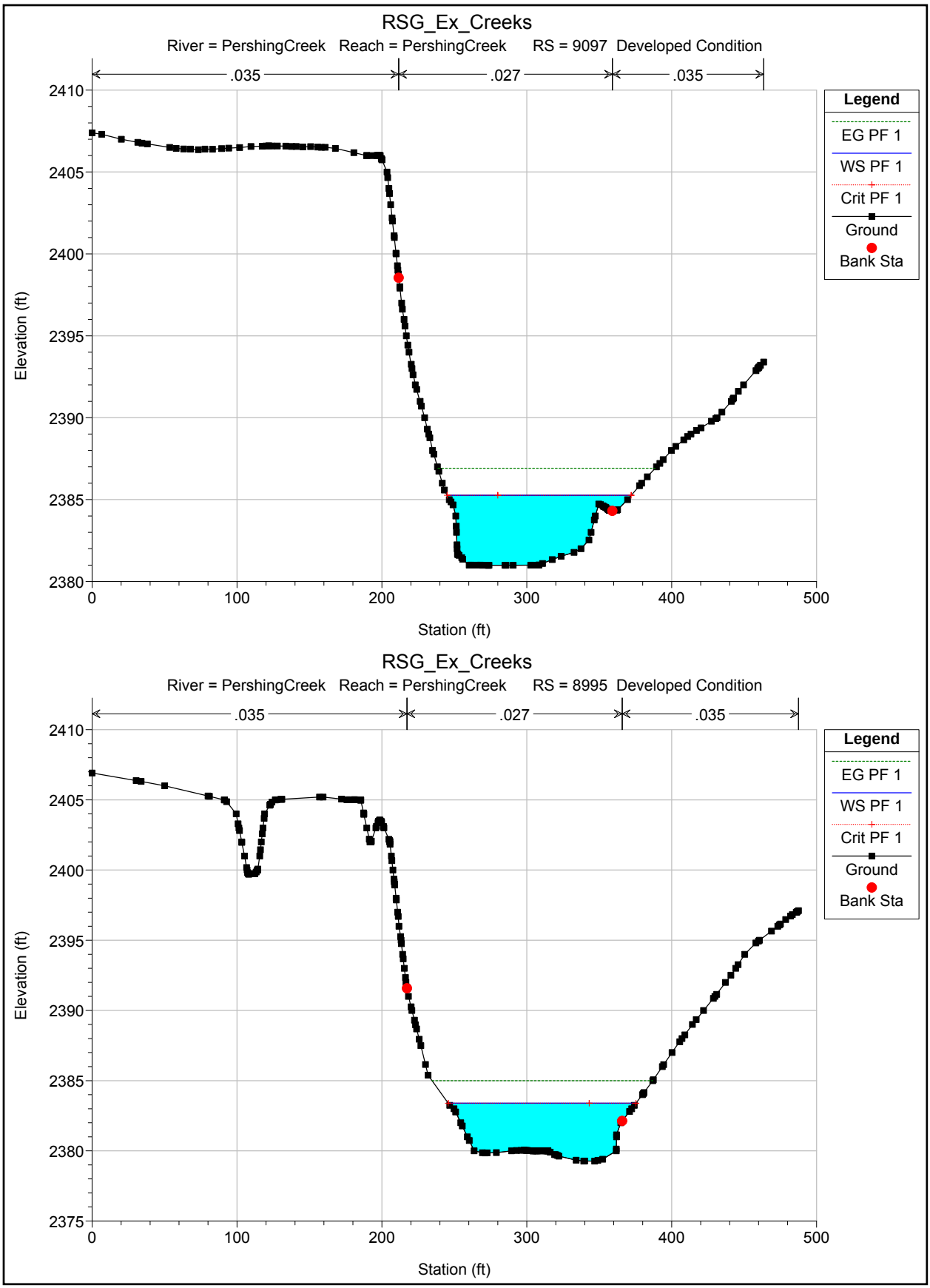

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 1665 Developed Condition
.027
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2285
2280
2275
2270
2265
2260
2255
2250
0
100
200
300
400
500
600
700
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 1370 Developed Condition
.027
.035
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2290
2280
2270
2260
2250
2240
0
200
400
600
800
1000

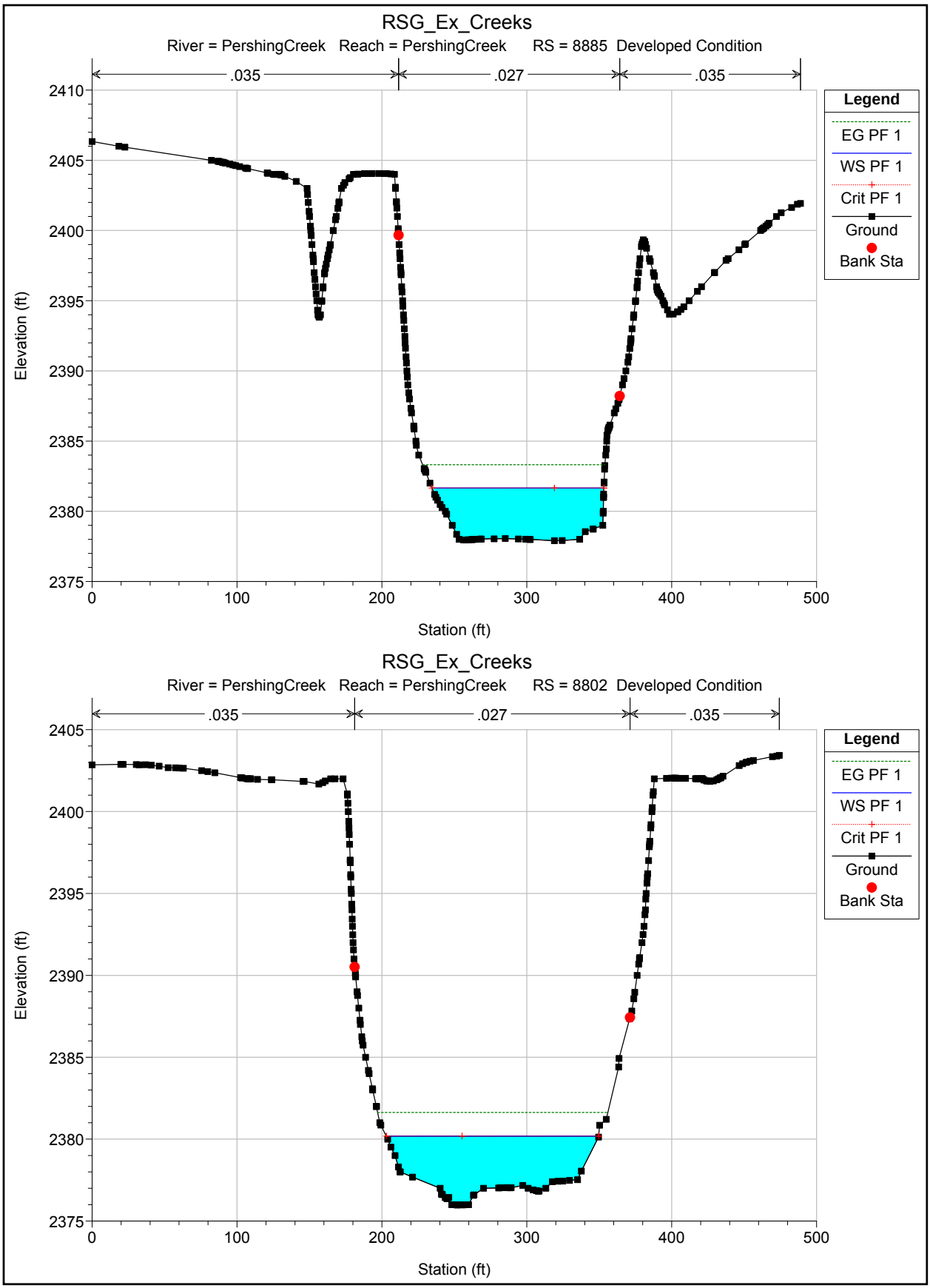

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 1083 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2280
2275
2270
2265
2260
2255
2250
2245
2240
2235
0
200
400
600
800
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 925 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2260
2255
2250
2245
2240
2235
2230
0
200
400
600
800

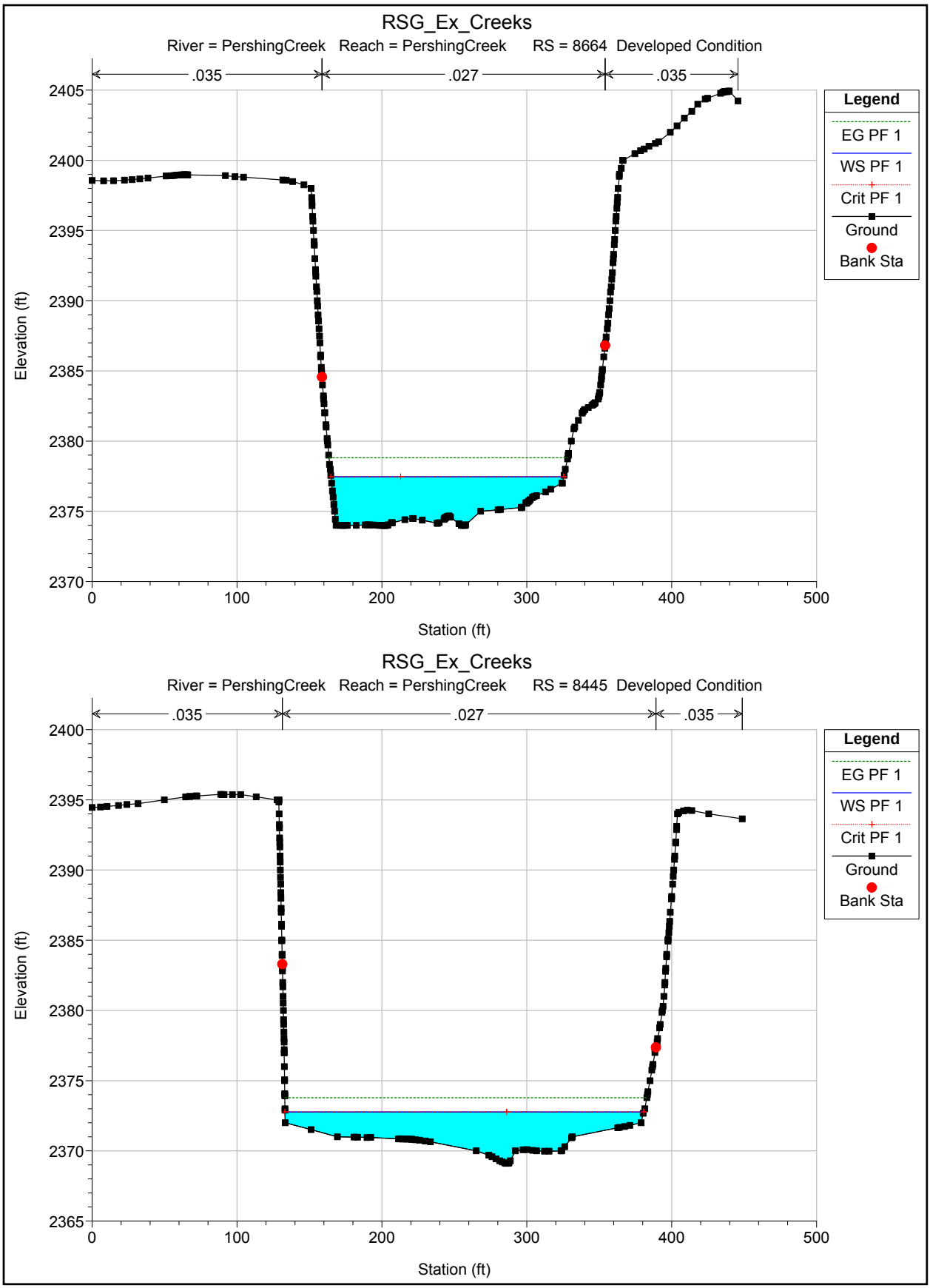

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 807 Developed Condition
.035
.027
.035
Elevation (ft)
Station (ft)
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 513 Developed Condition
.035
.027
.035
Elevation (ft)
Station (ft)
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta

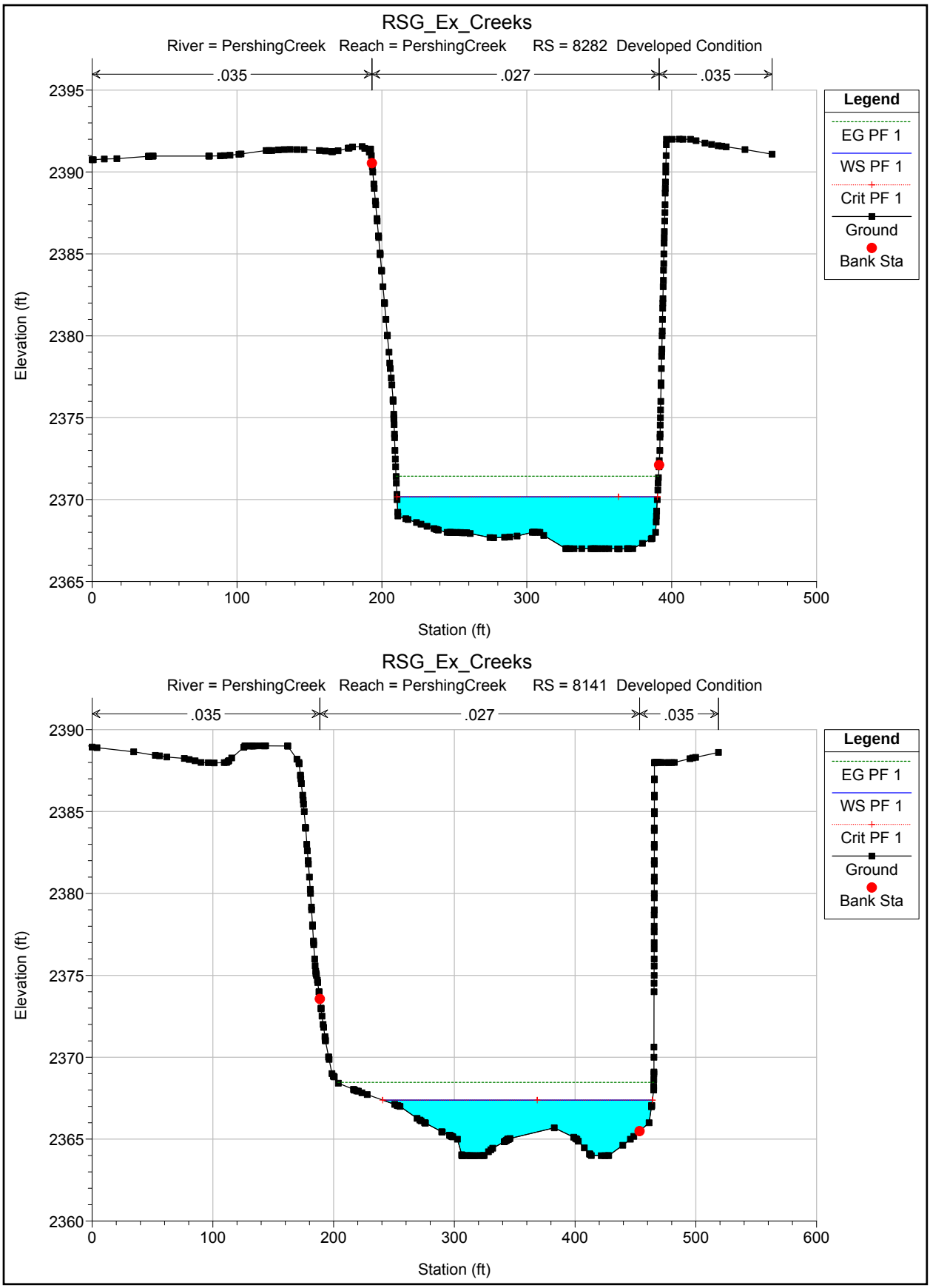

RSG_Ex_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 280 Developed Condition
.027
.035
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 9459 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

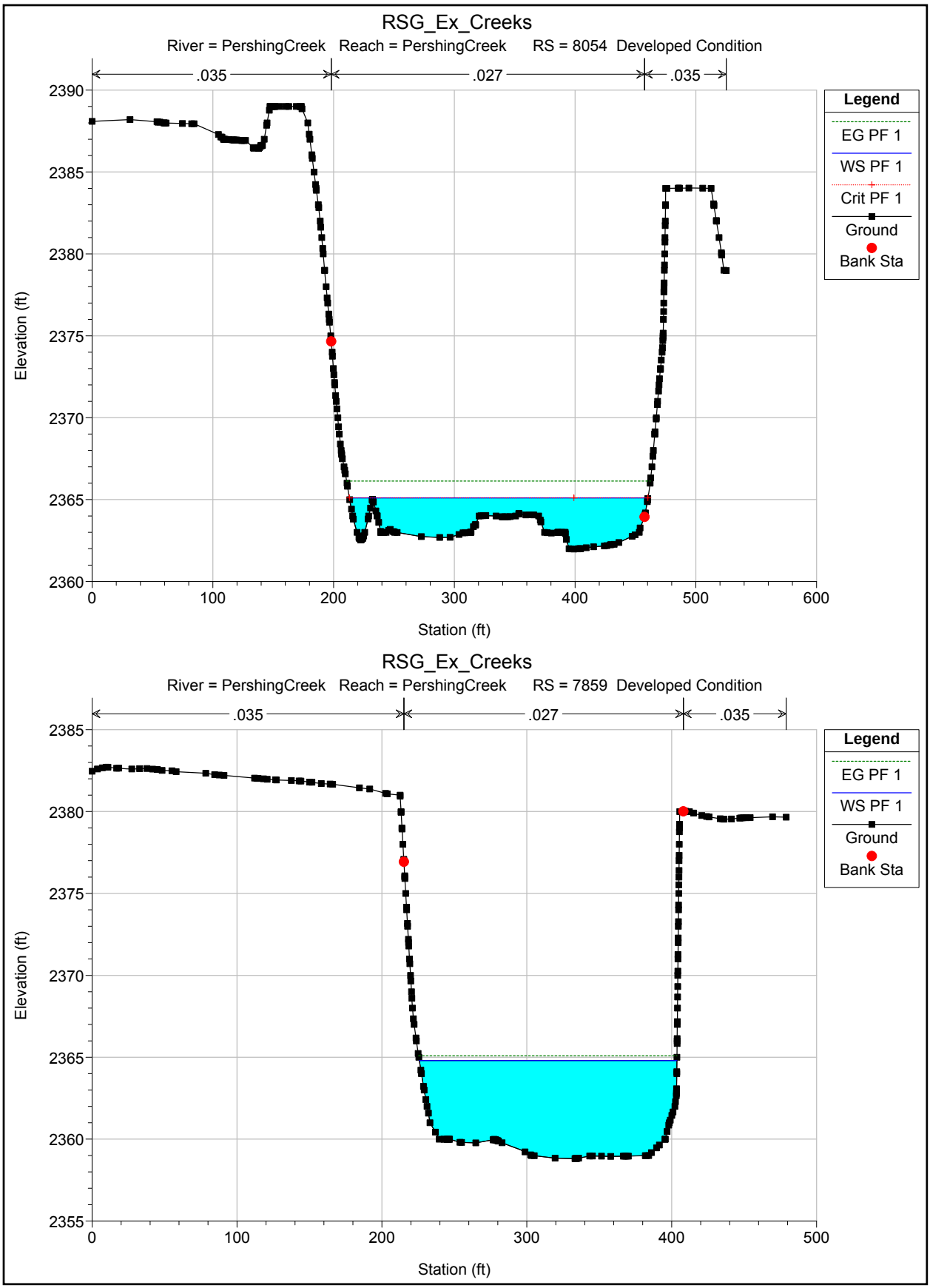

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 9327 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2430
2420
2410
2400
2390
2380
0
100
200
300
400
500
600
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 9195 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2405
2400
2395
2390
2385
2380
0
100
200
300
400
500

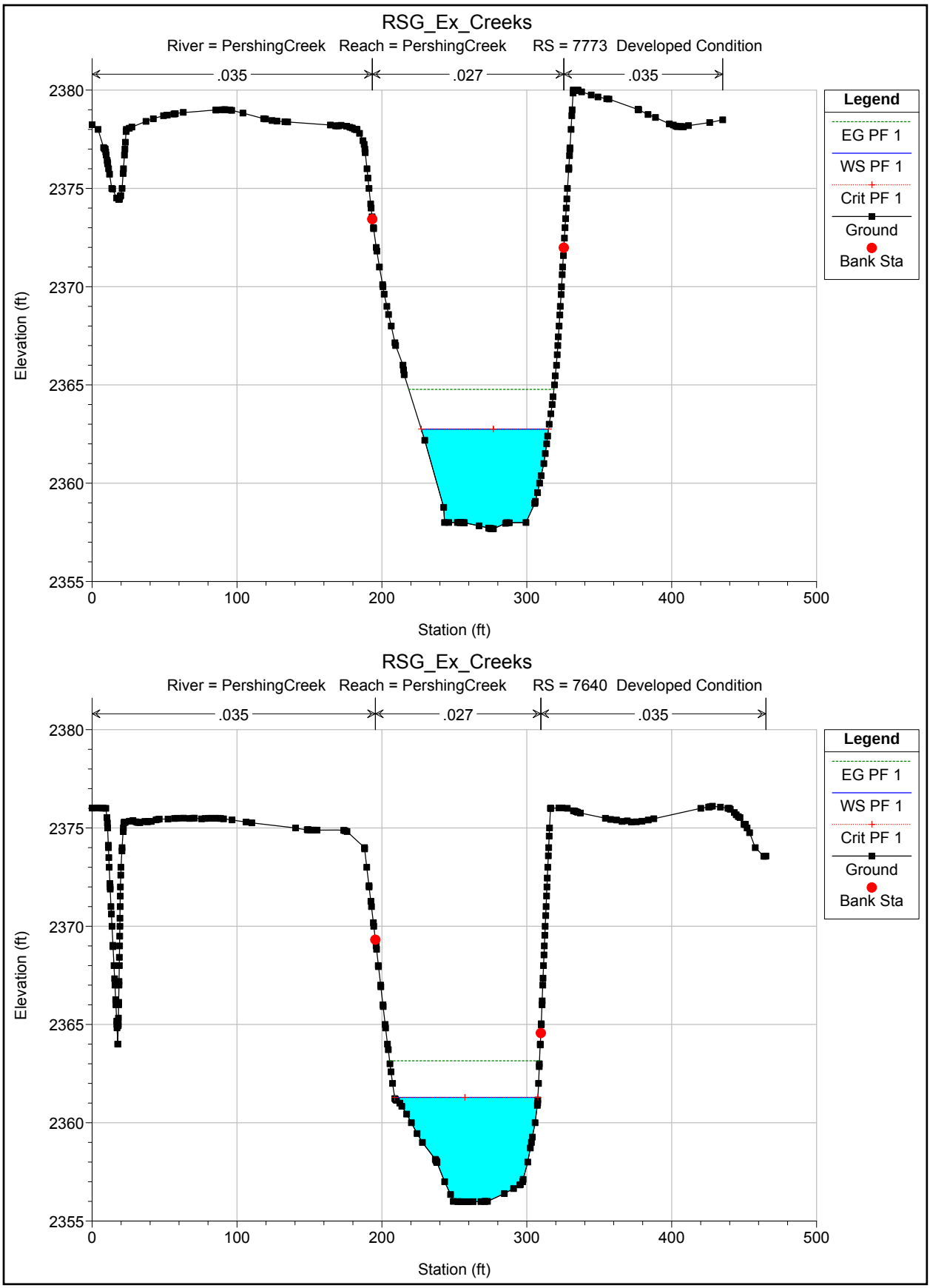

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 9097 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2410
2405
2400
2395
2390
2385
2380
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8995 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2410
2405
2400
2395
2390
2385
2380
2375
0
100
200
300
400
500

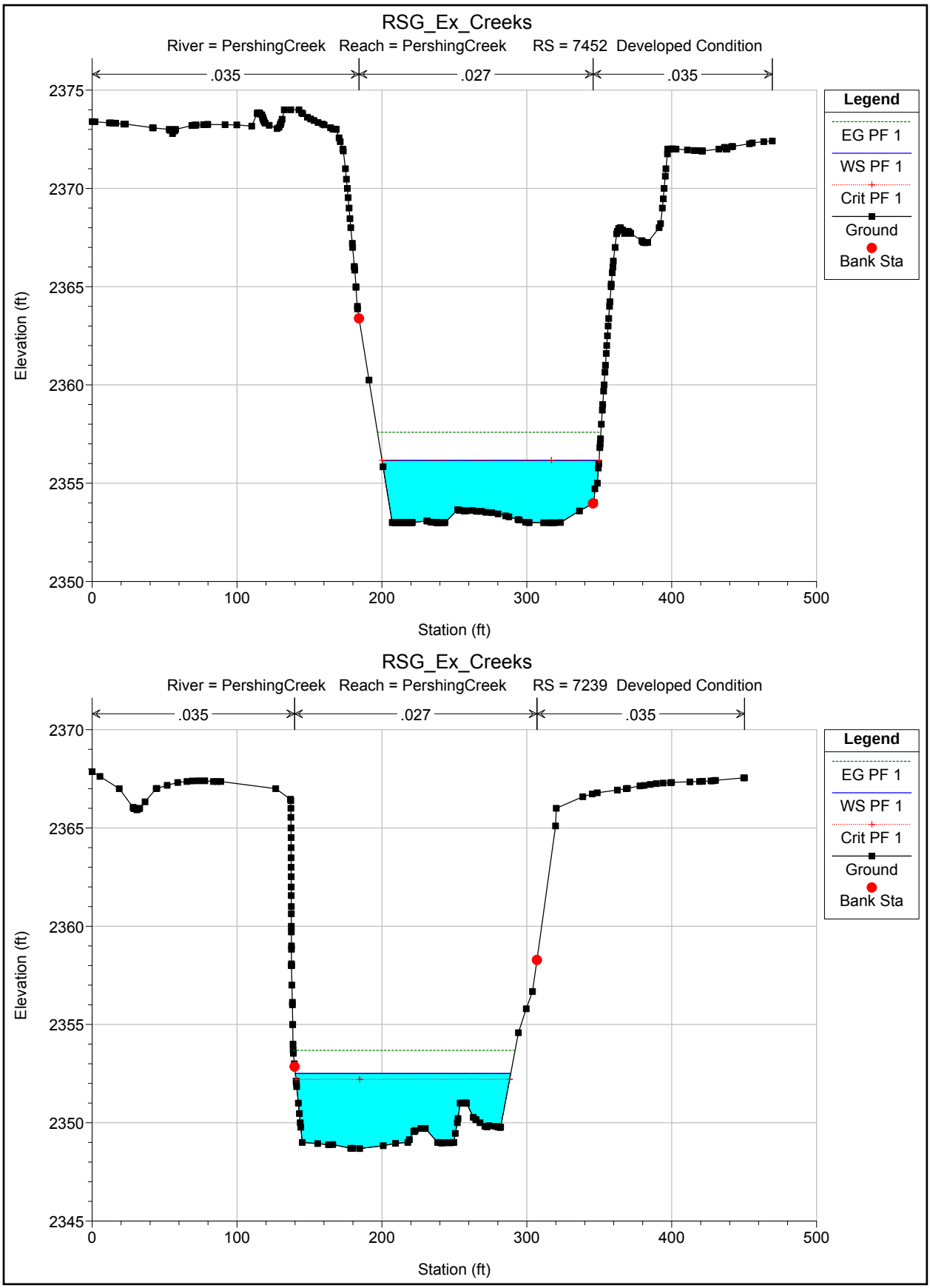

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8885 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2410
2405
2400
2395
2390
2385
2380
2375
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8802 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2405
2400
2395
2390
2385
2380
2375
0
100
200
300
400
500

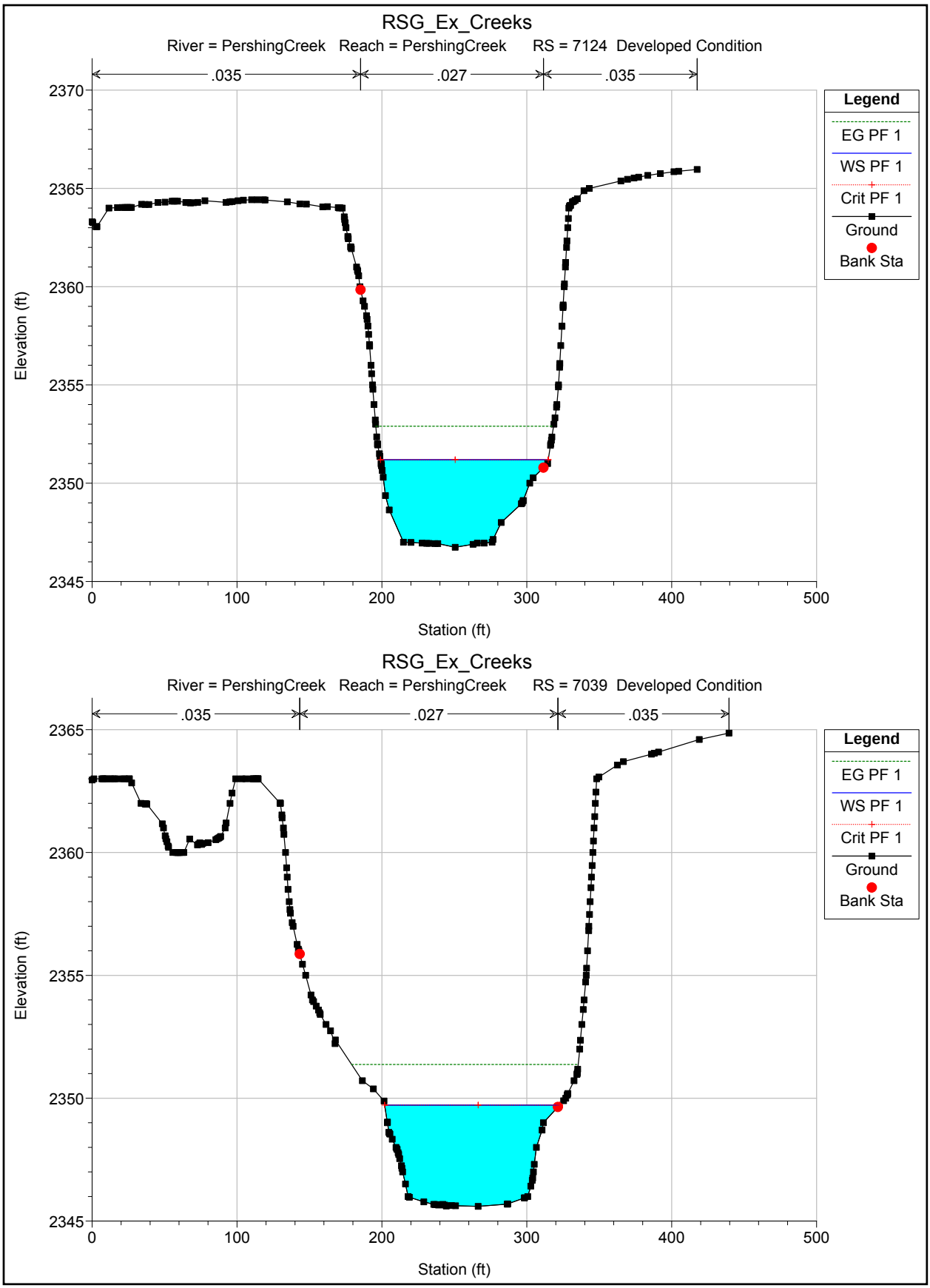

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8664 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2405
2400
2395
2390
2385
2380
2375
2370
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8445 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2400
2395
2390
2385
2380
2375
2370
2365
0
100
200
300
400
500

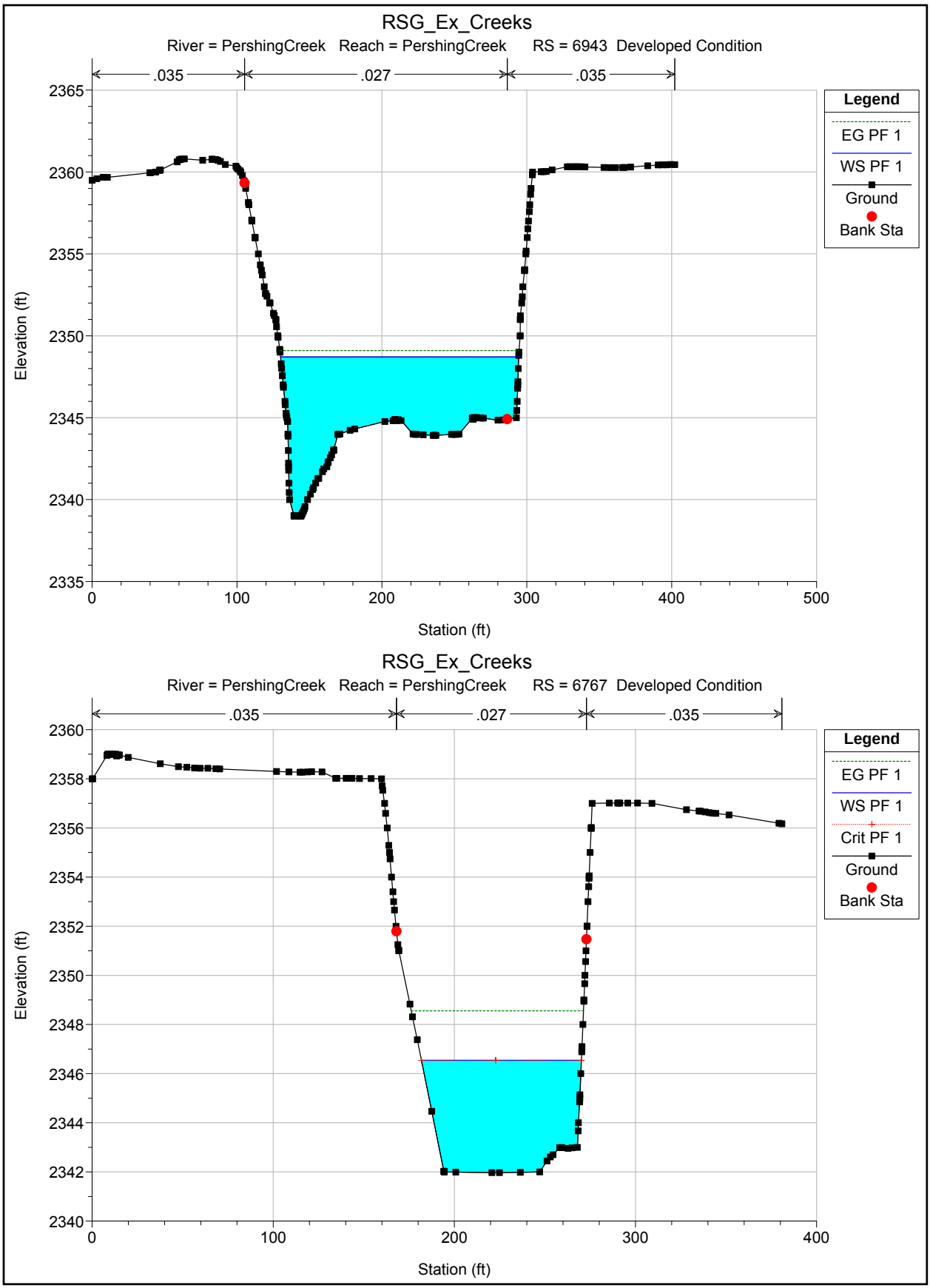

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8282 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2395
2390
2385
2380
2375
2370
2365
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8141 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2390
2385
2380
2375
2370
2365
2360
0
100
200
300
400
500
600

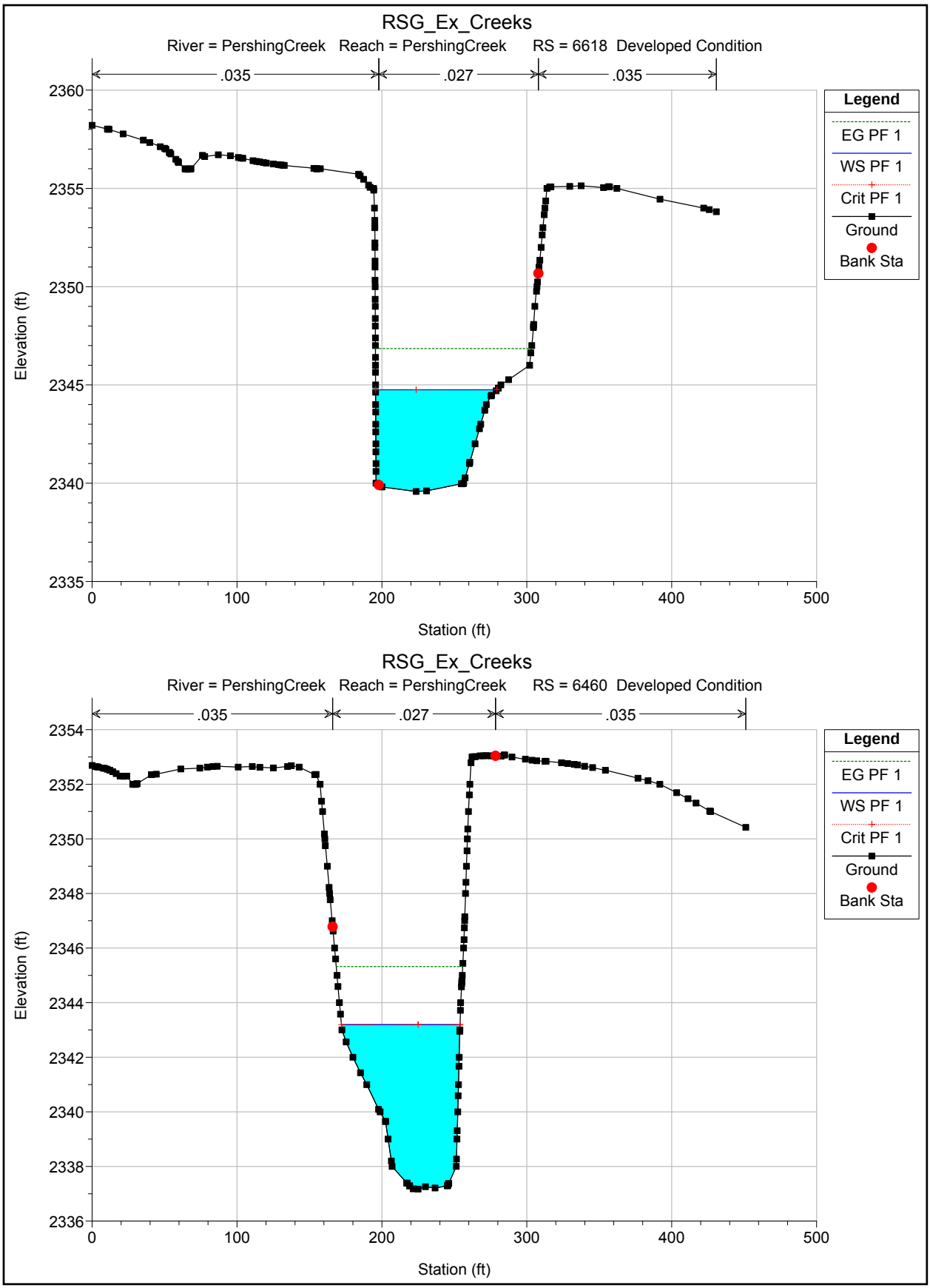

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 8054 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7859 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

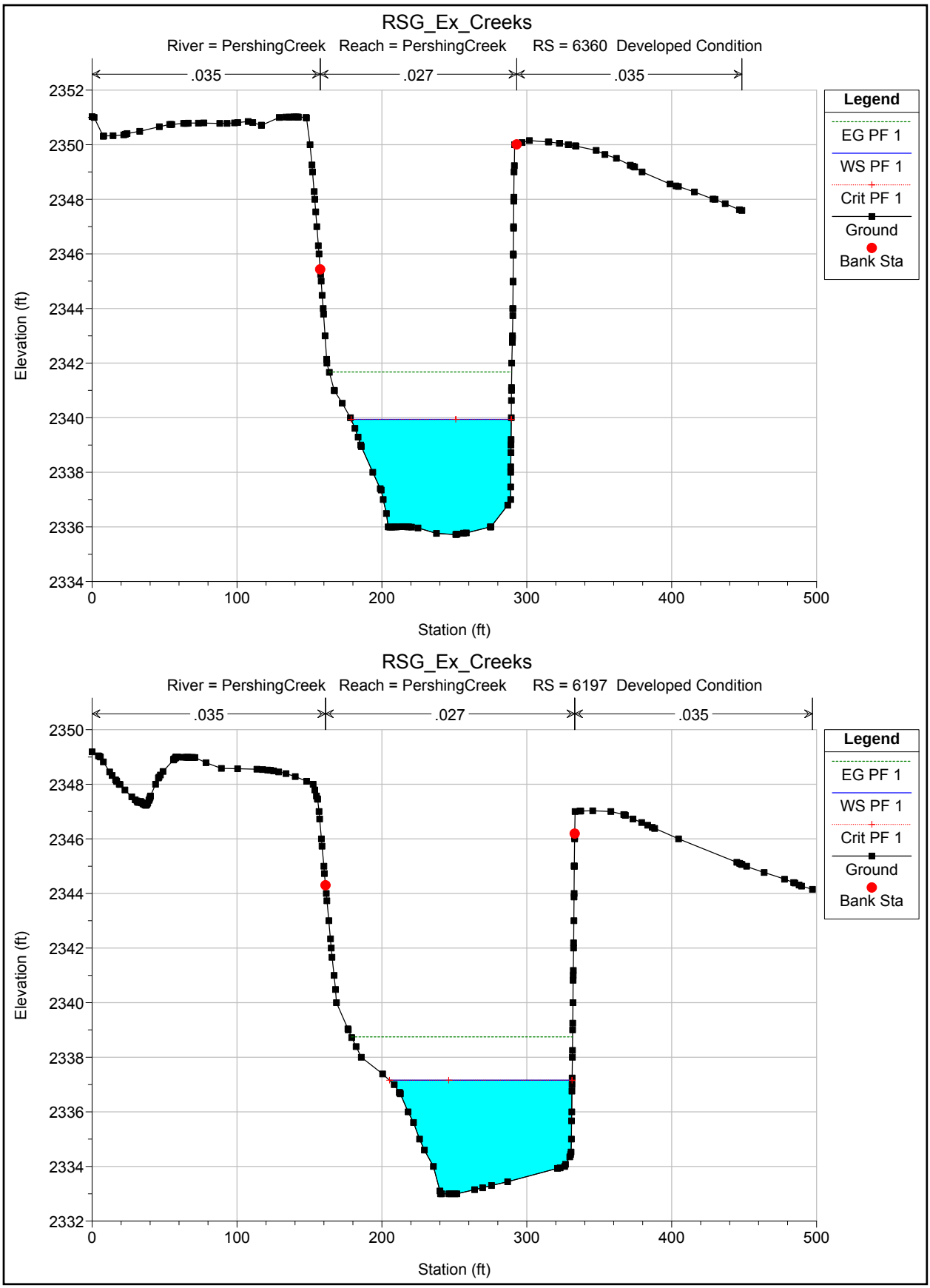

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7773 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2380
2375
2370
2365
2360
2355
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7640 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

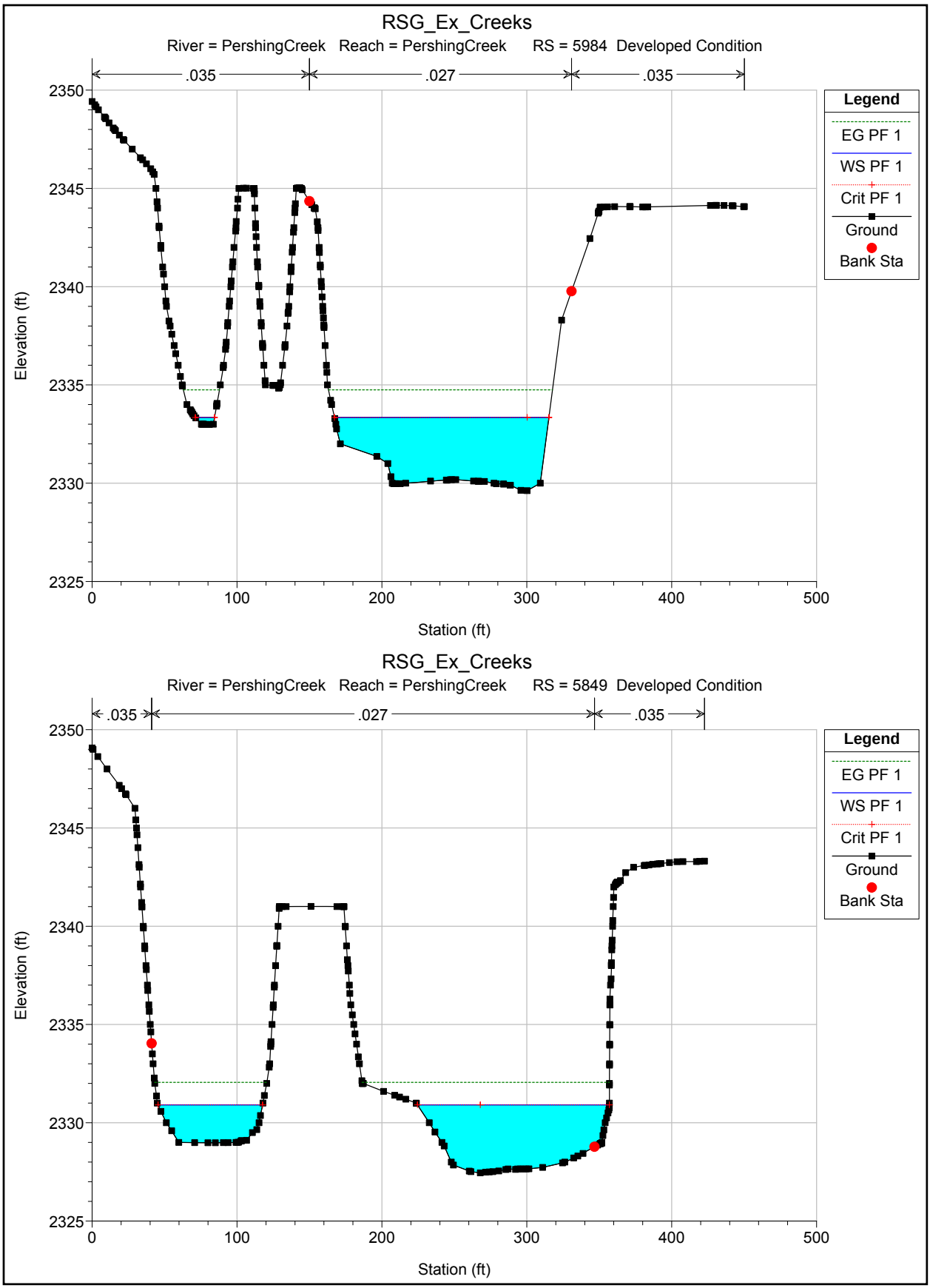

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7452 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7239 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

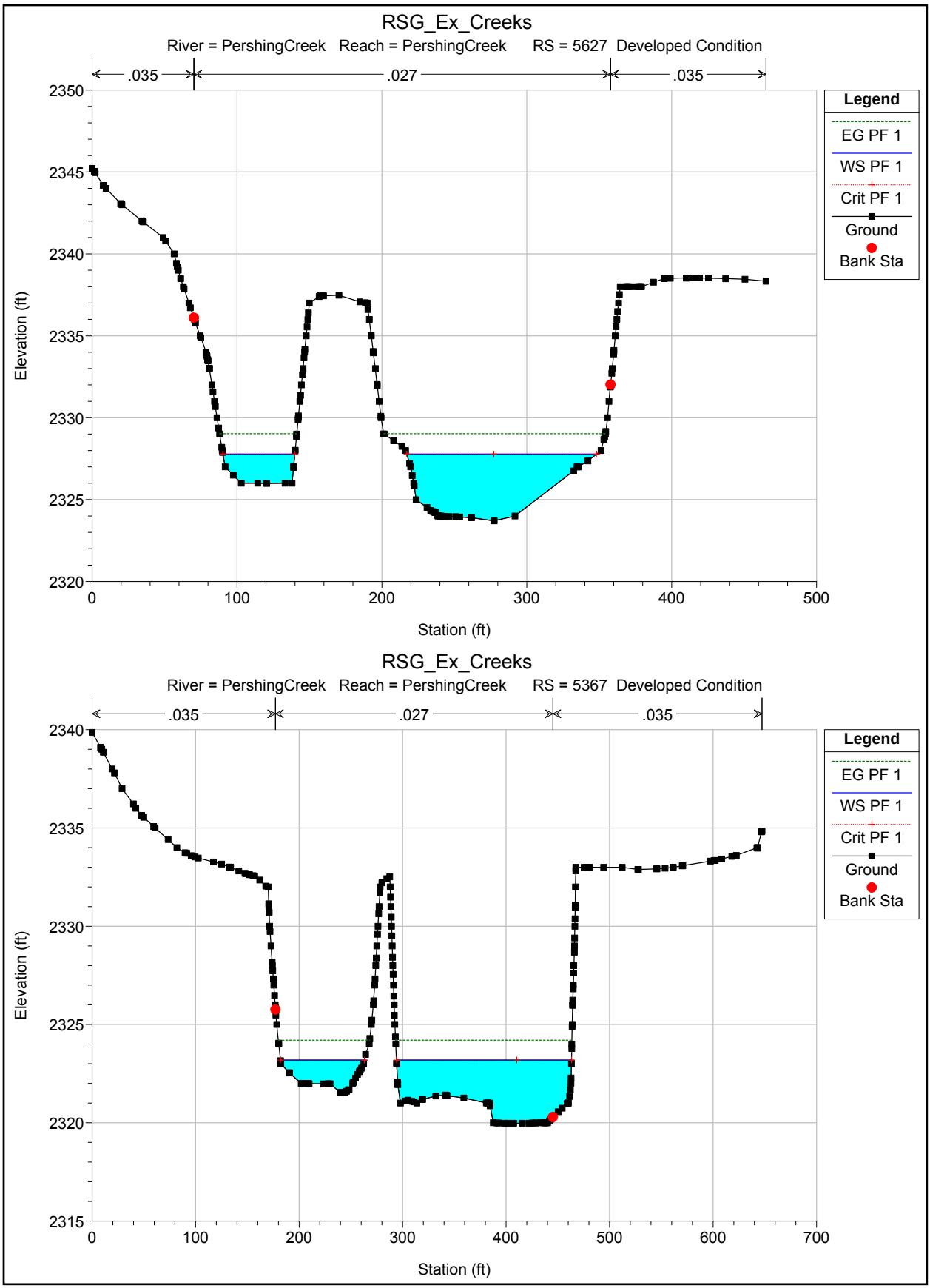

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7124 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2370
2365
2360
2355
2350
2345
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 7039 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2365
2360
2355
2350
2345
0
100
200
300
400
500

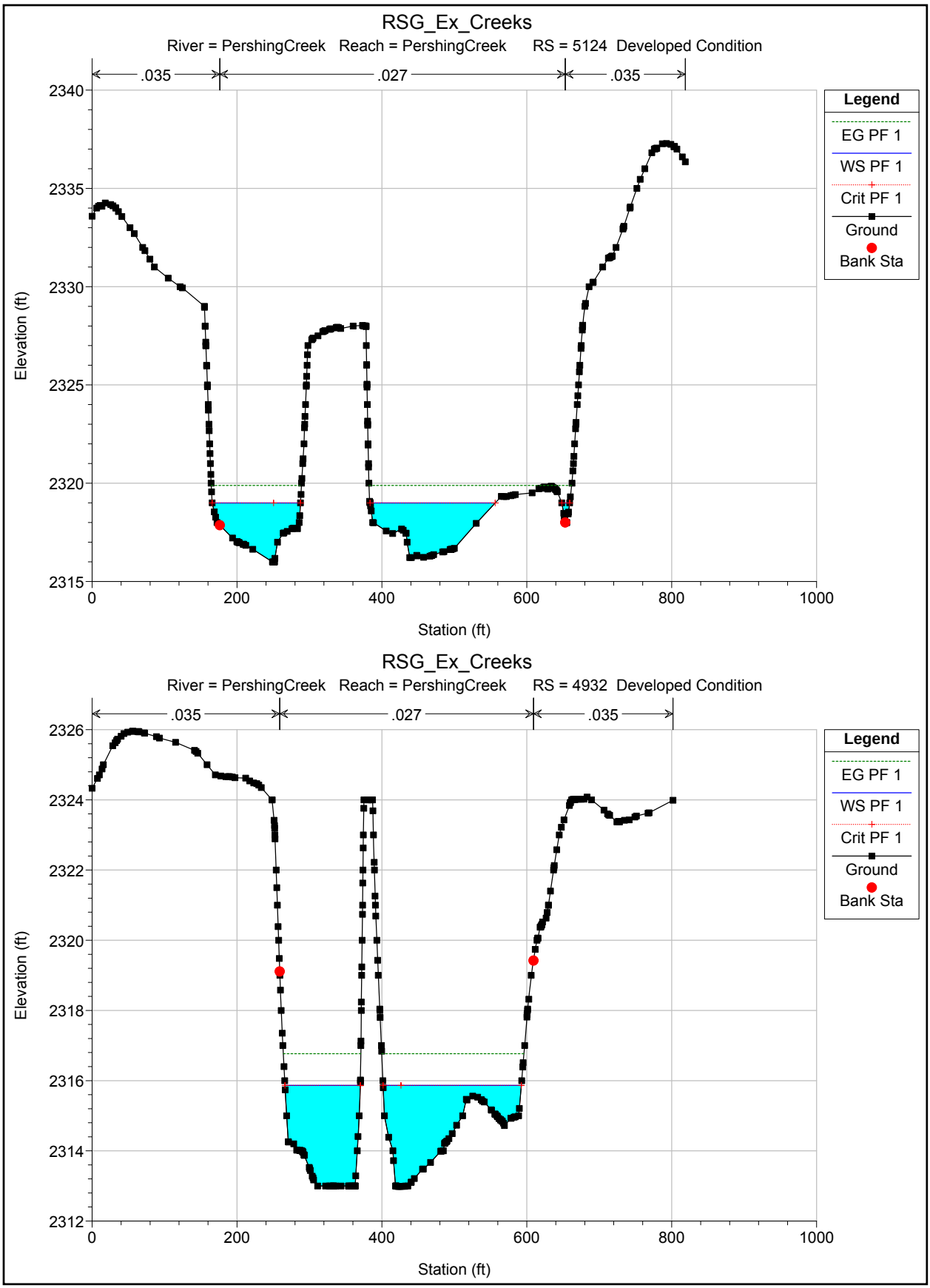

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 6943 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 6767 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

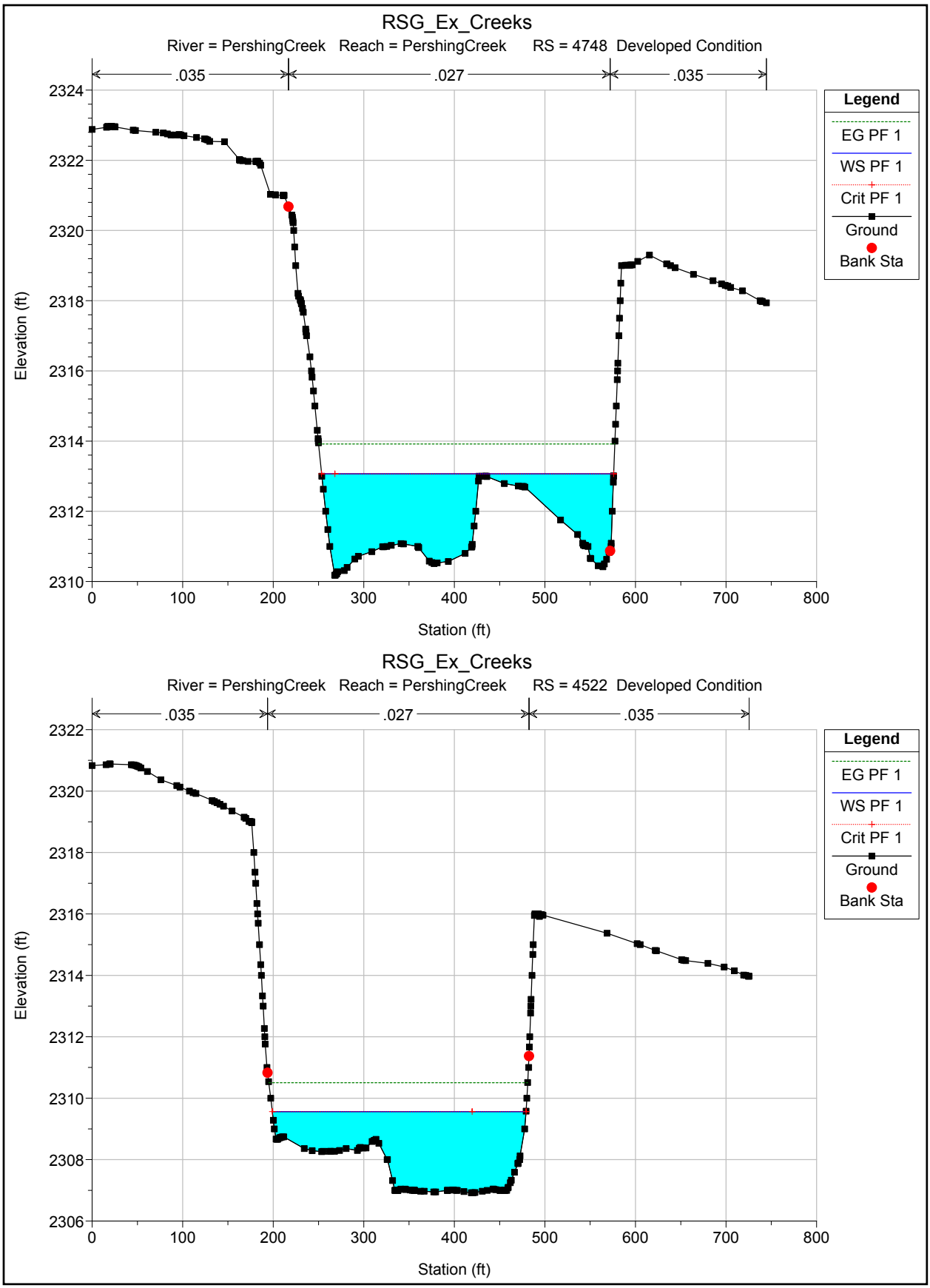

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 6618 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2360
2355
2350
2345
2340
2335
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 6460 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2354
2352
2350
2348
2346
2344
2342
2340
2338
2336
0
100
200
300
400
500

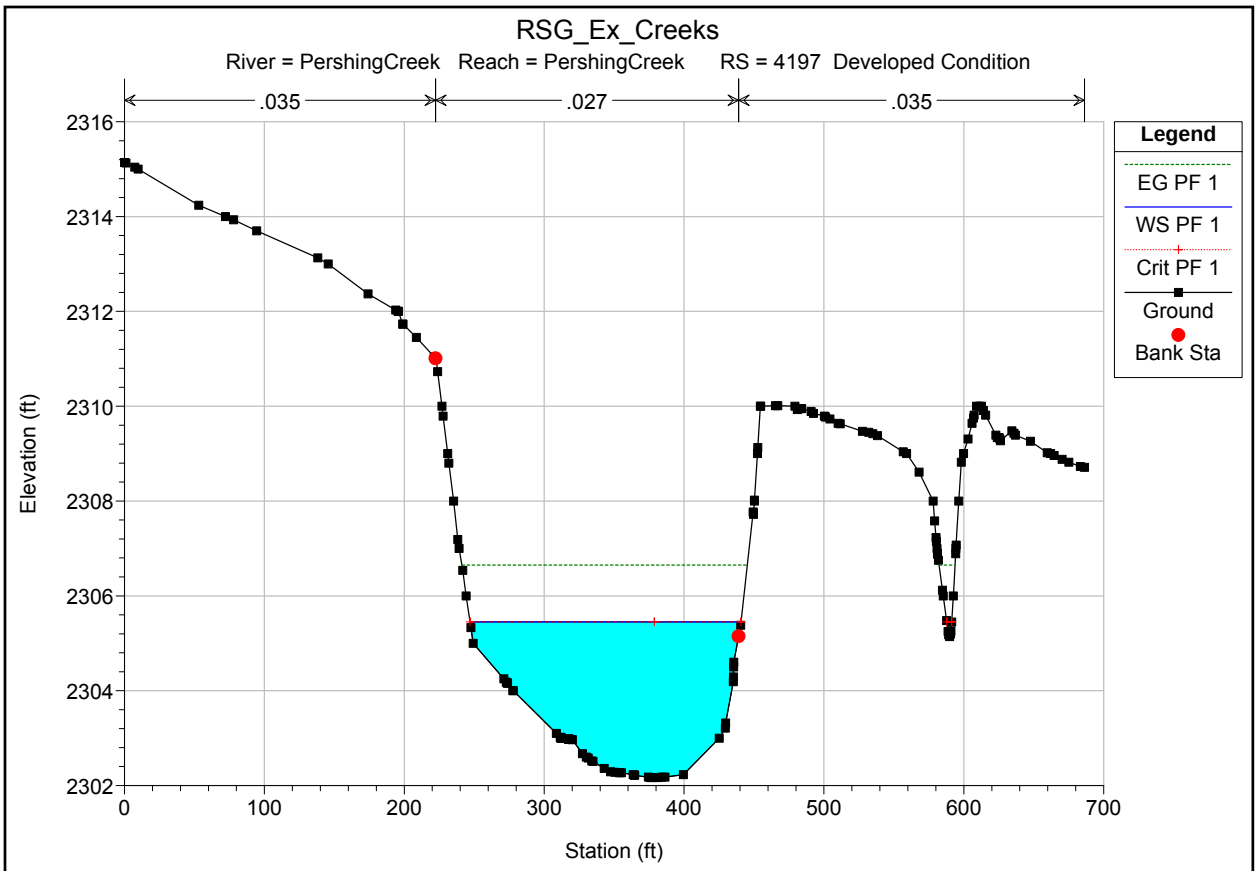

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 6360 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 6197 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

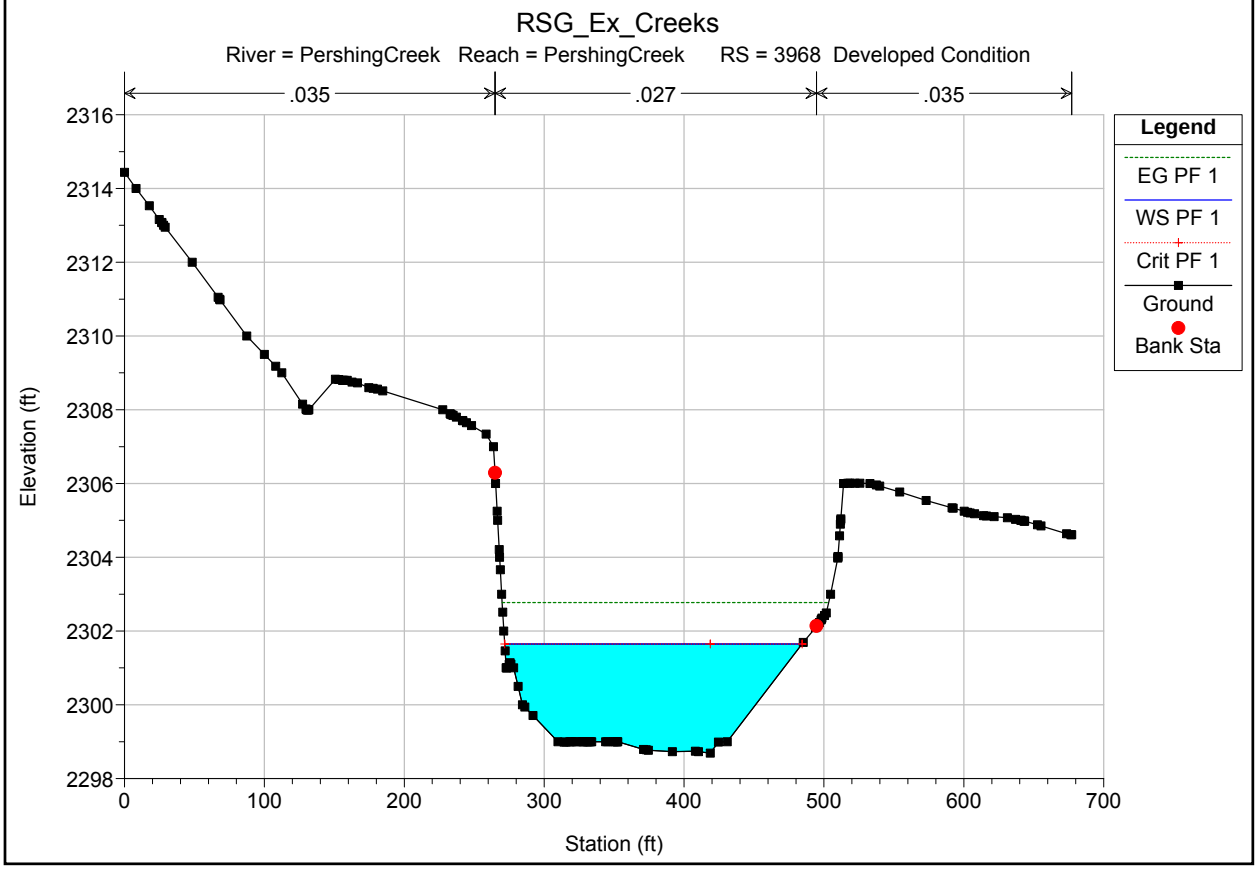

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 5984 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2350
2345
2340
2335
2330
2325
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 5849 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

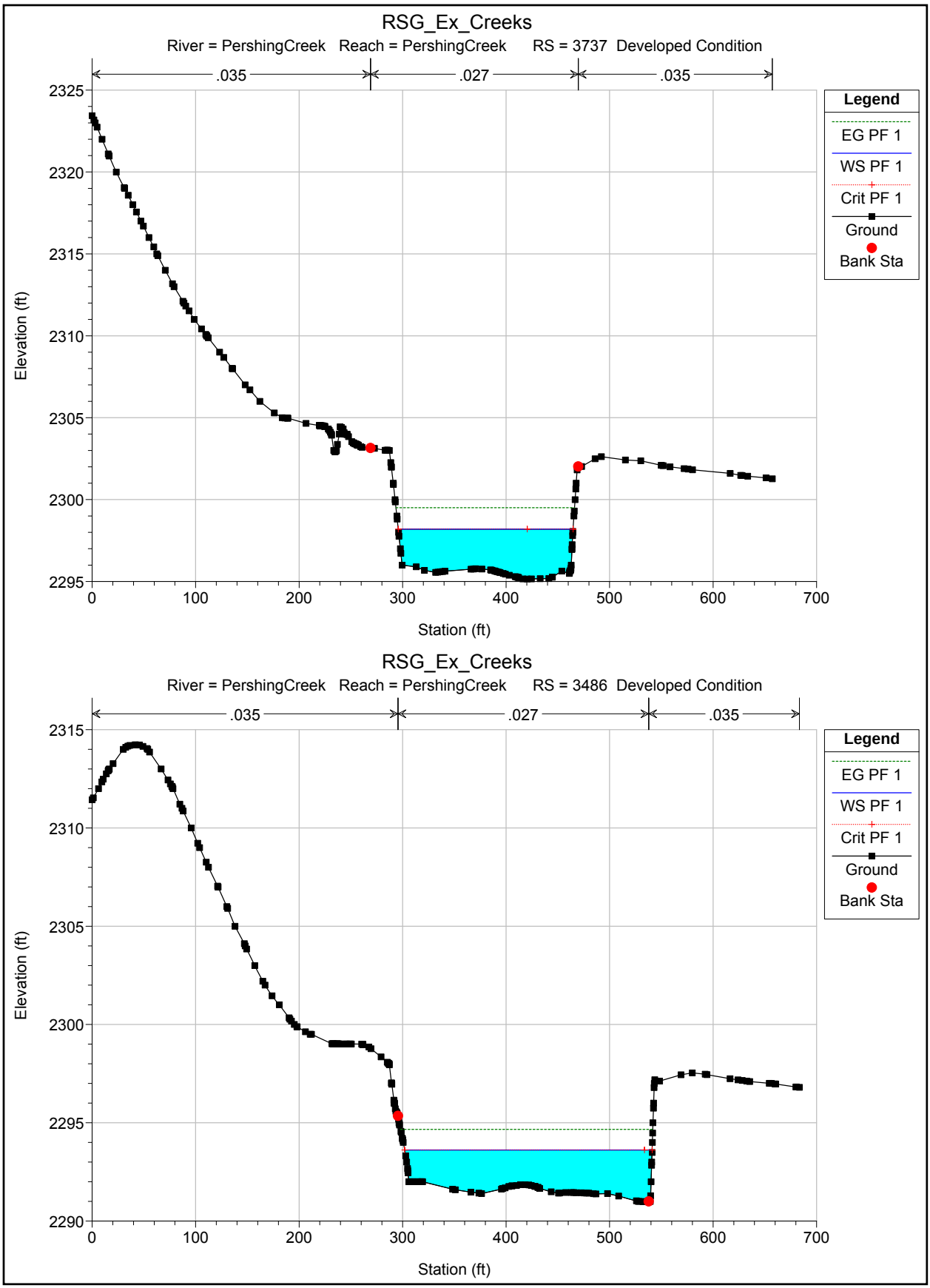

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 5627 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2350
2345
2340
2335
2330
2325
2320
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 5367 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2340
2335
2330
2325
2320
2315
0
100
200
300
400
500
600
700

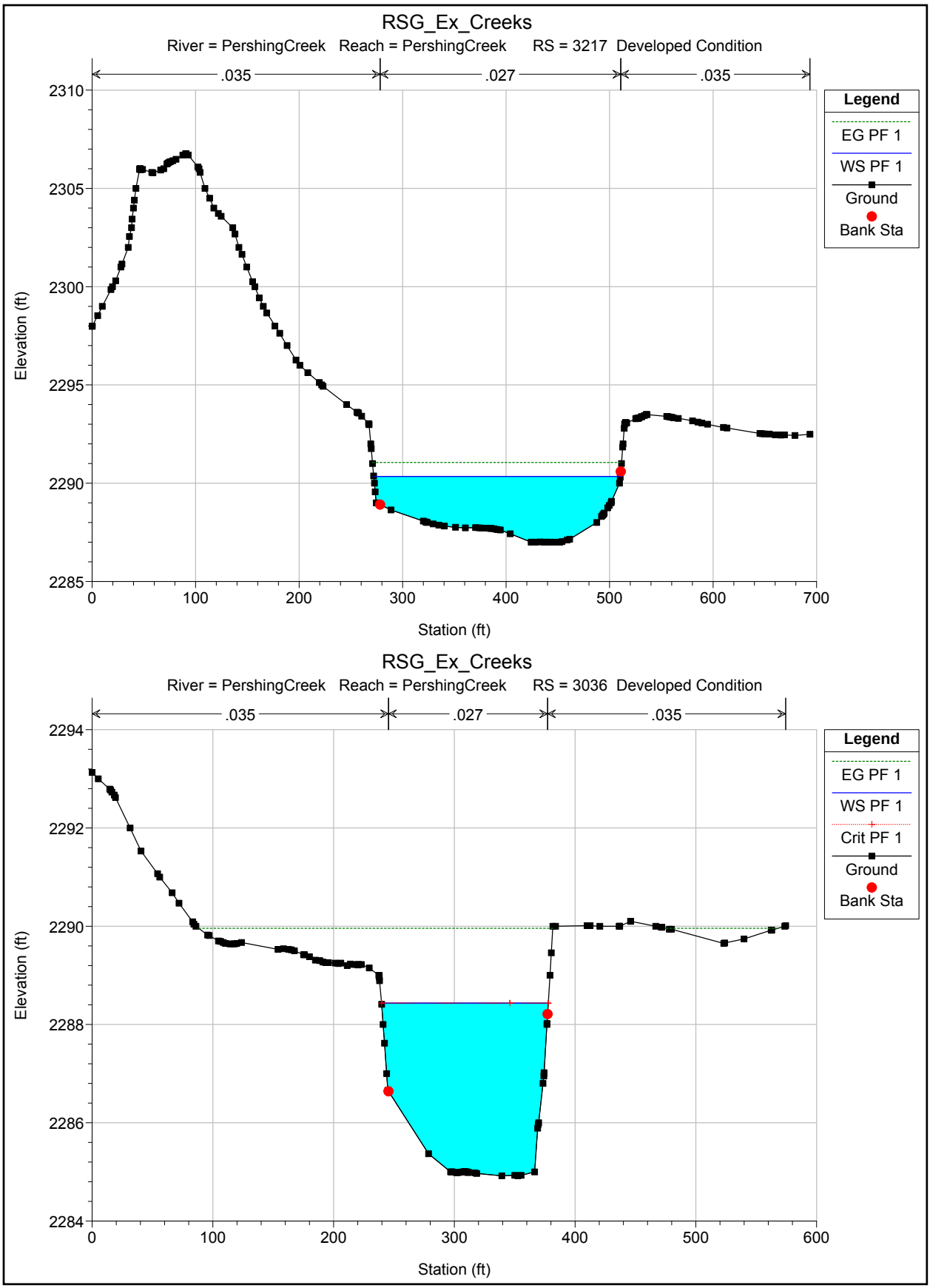

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 5124 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 4932 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

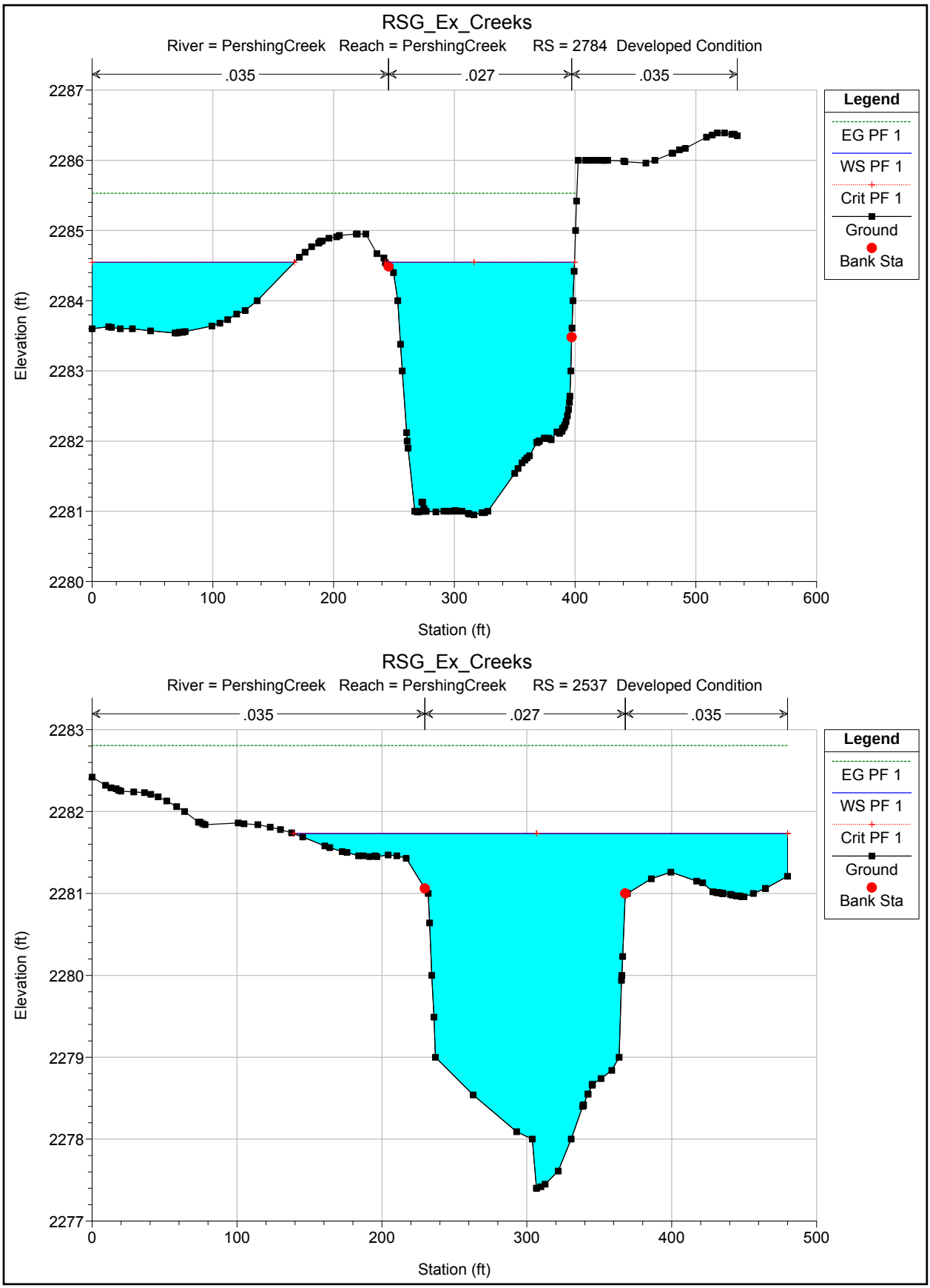

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 4748 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 4522 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

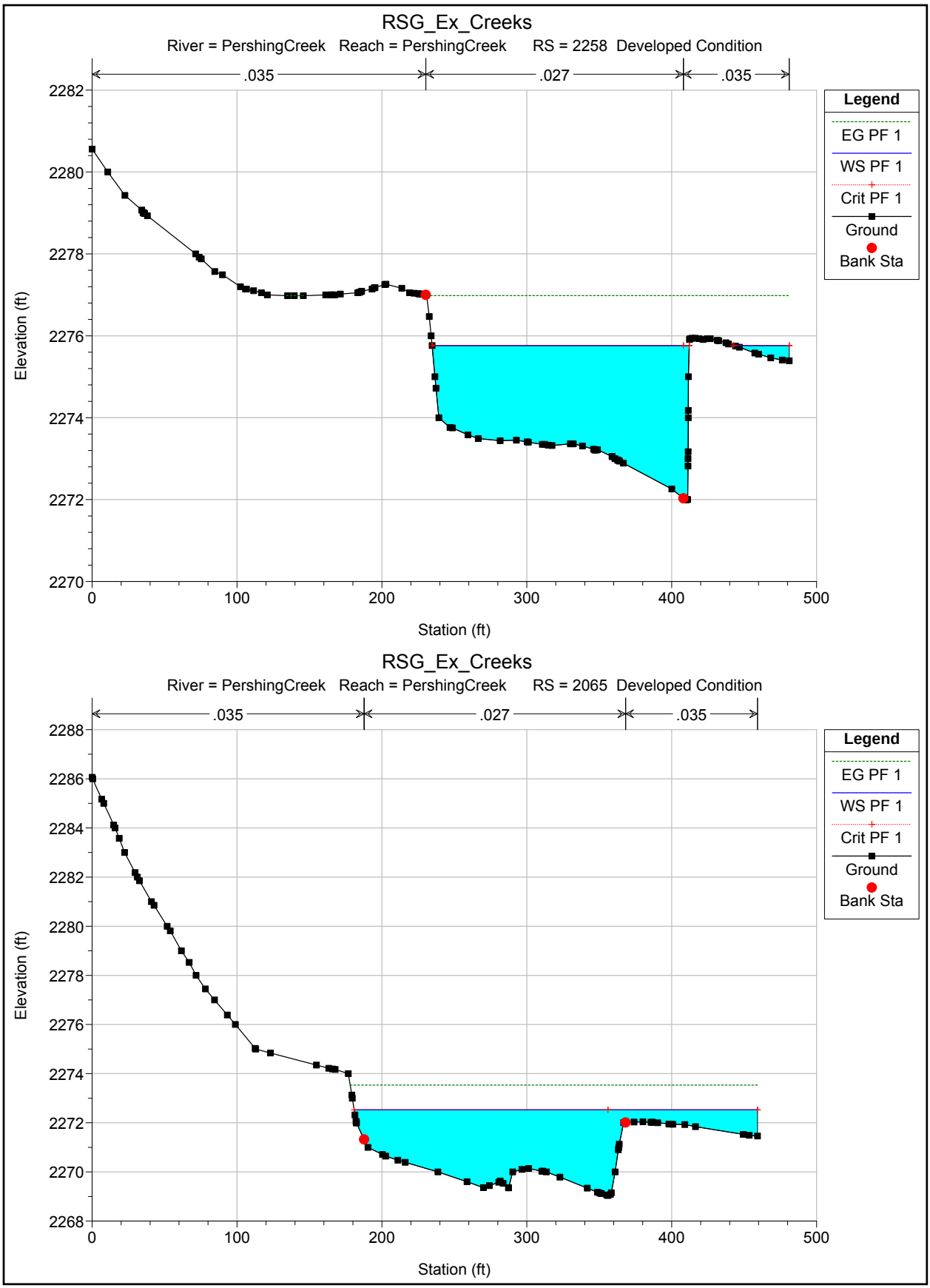

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 4197 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2316
2314
2312
2310
2308
2306
2304
2302
0
100
200
300
400
500
600
700

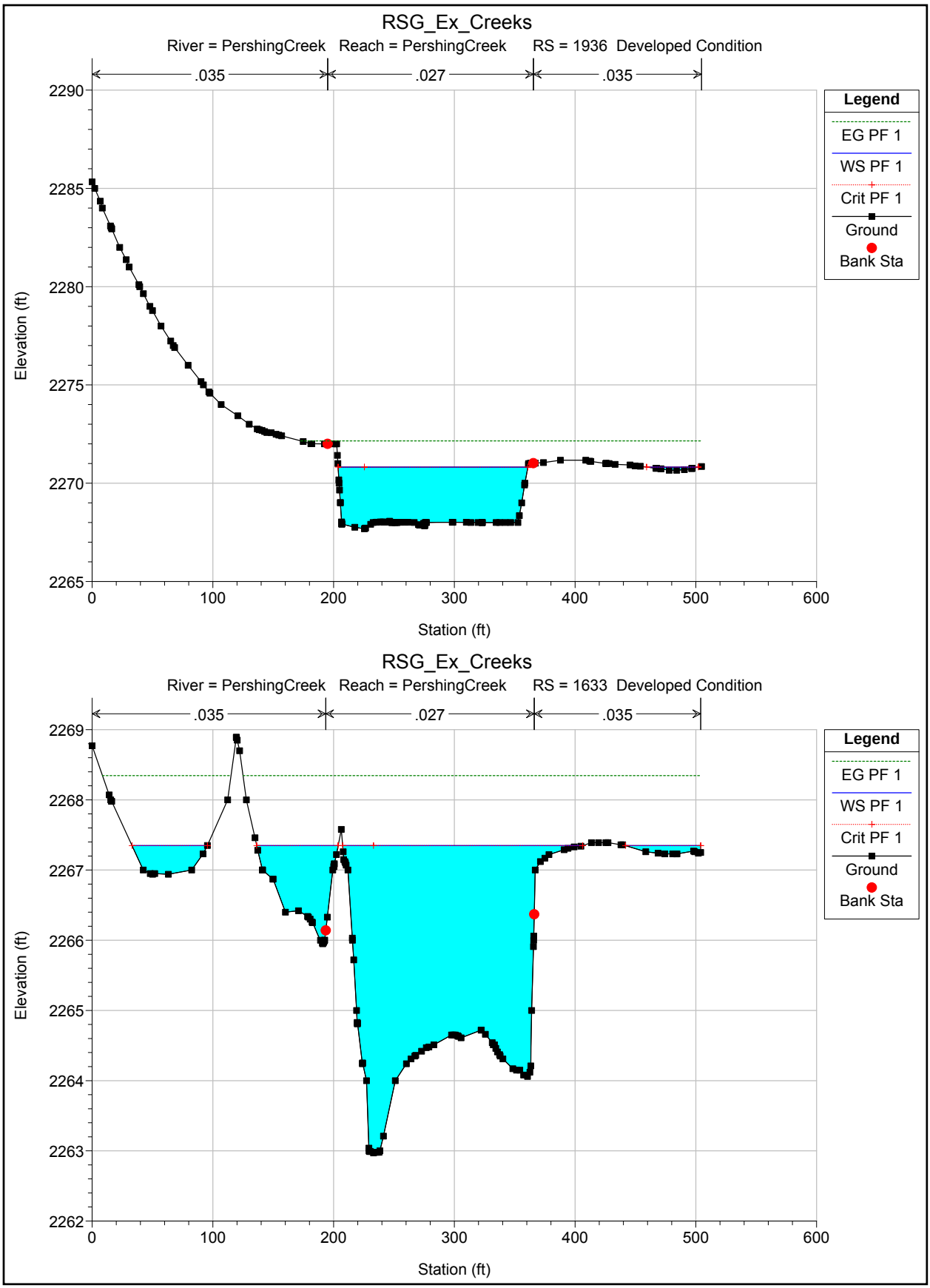

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 3968 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2316
2314
2312
2310
2308
2306
2304
2302
2300
2298
0
100
200
300
400
500
600
700

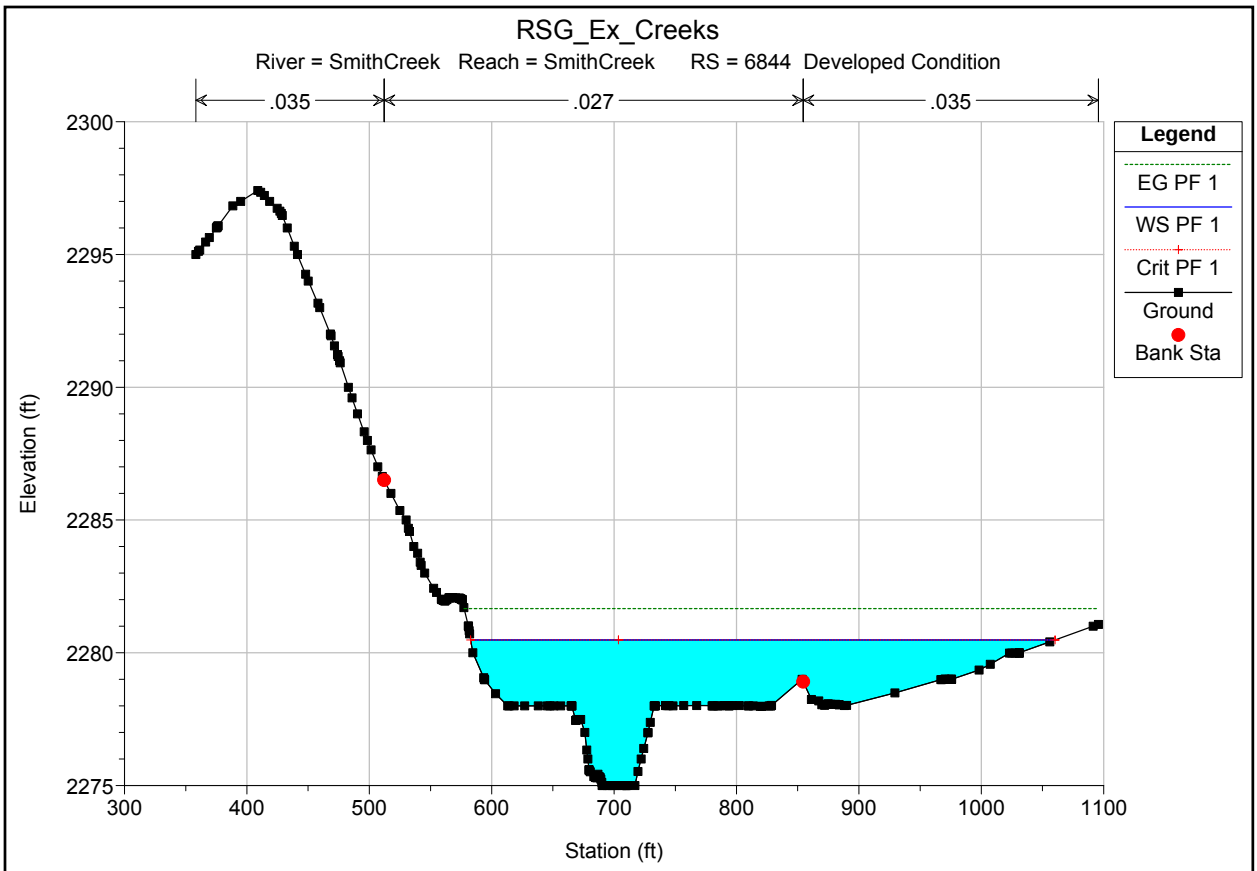

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 3737 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 3486 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

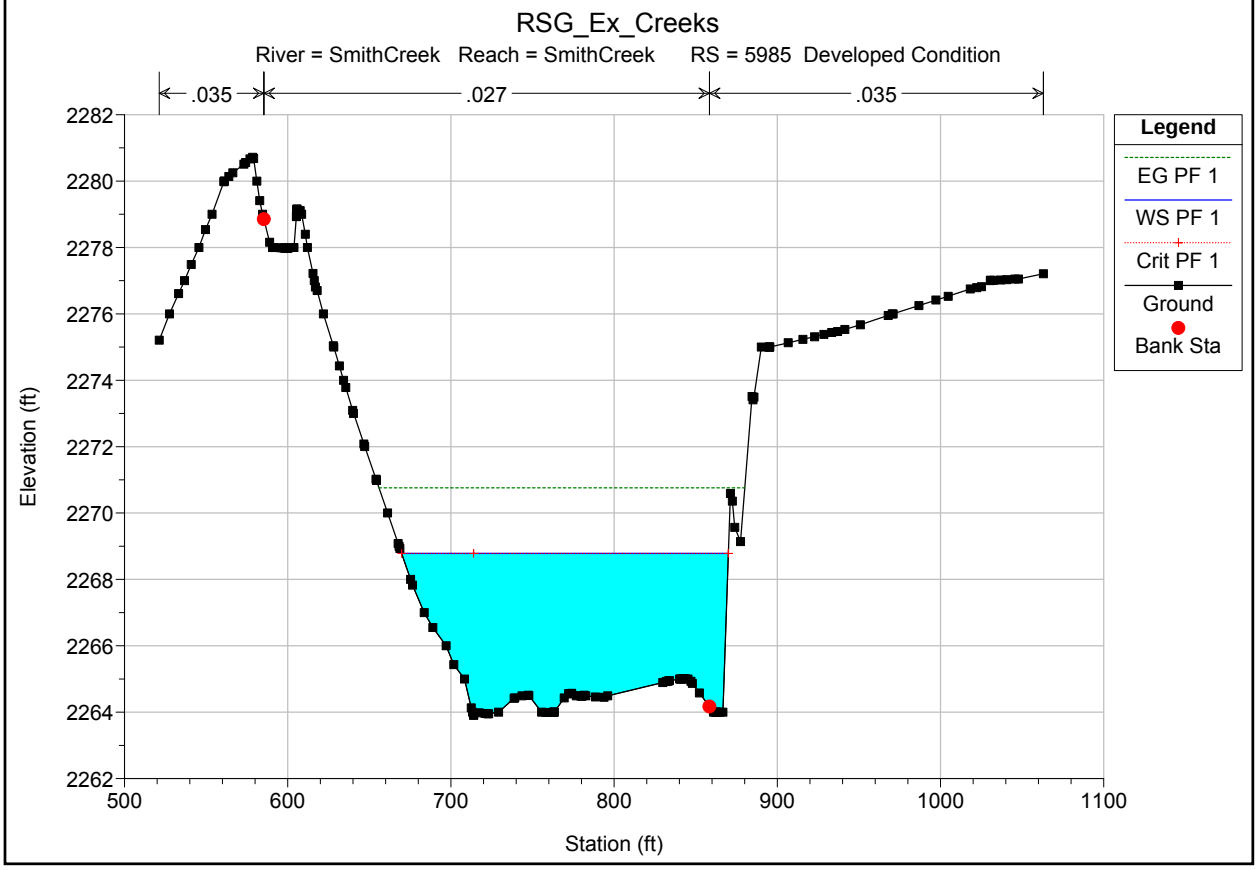

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 3217 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 3036 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

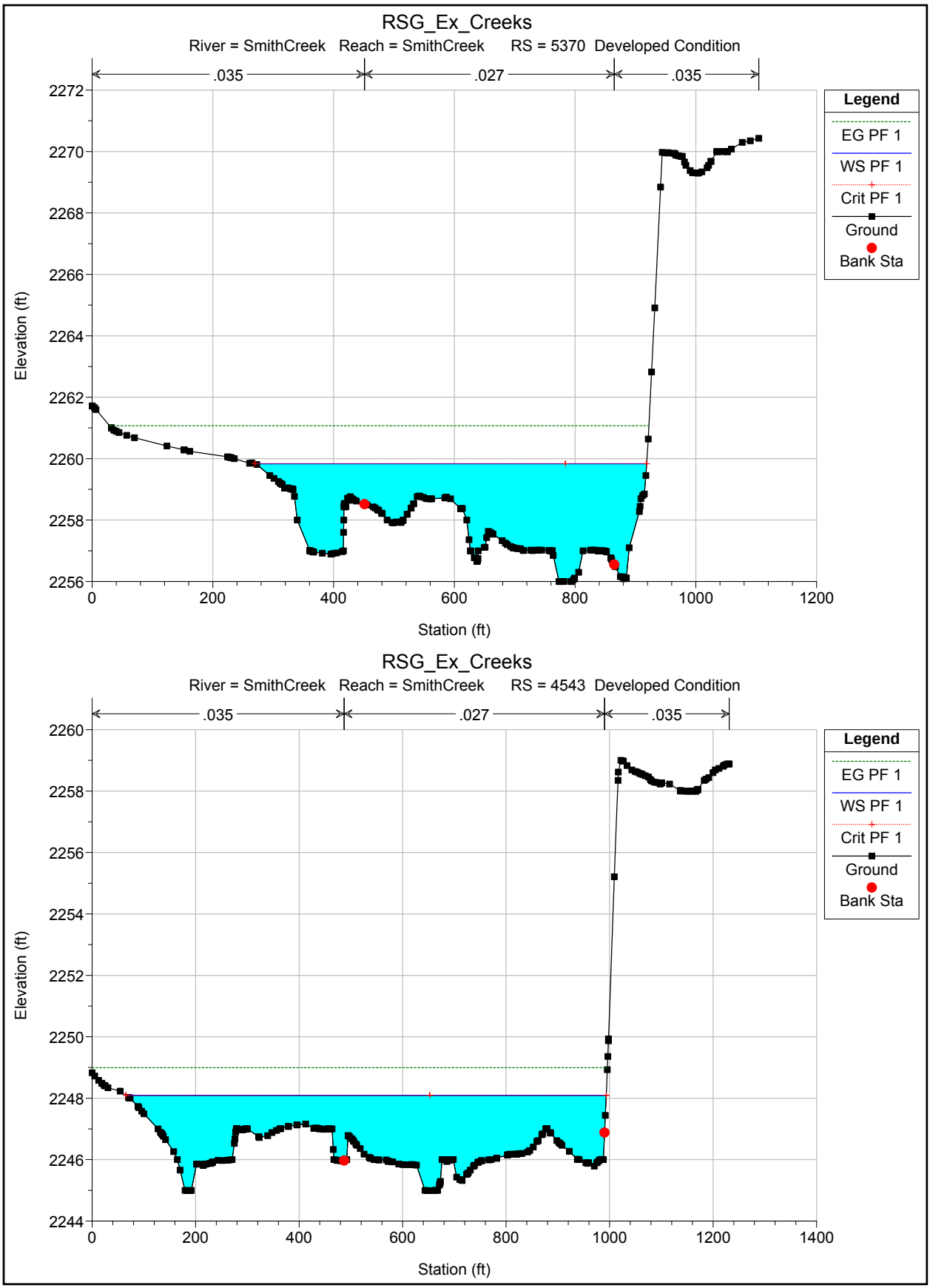

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 2784 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2287
2286
2285
2284
2283
2282
2281
2280
0
100
200
300
400
500
600
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 2537 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2283
2282
2281
2280
2279
2278
2277
0
100
200
300
400
500

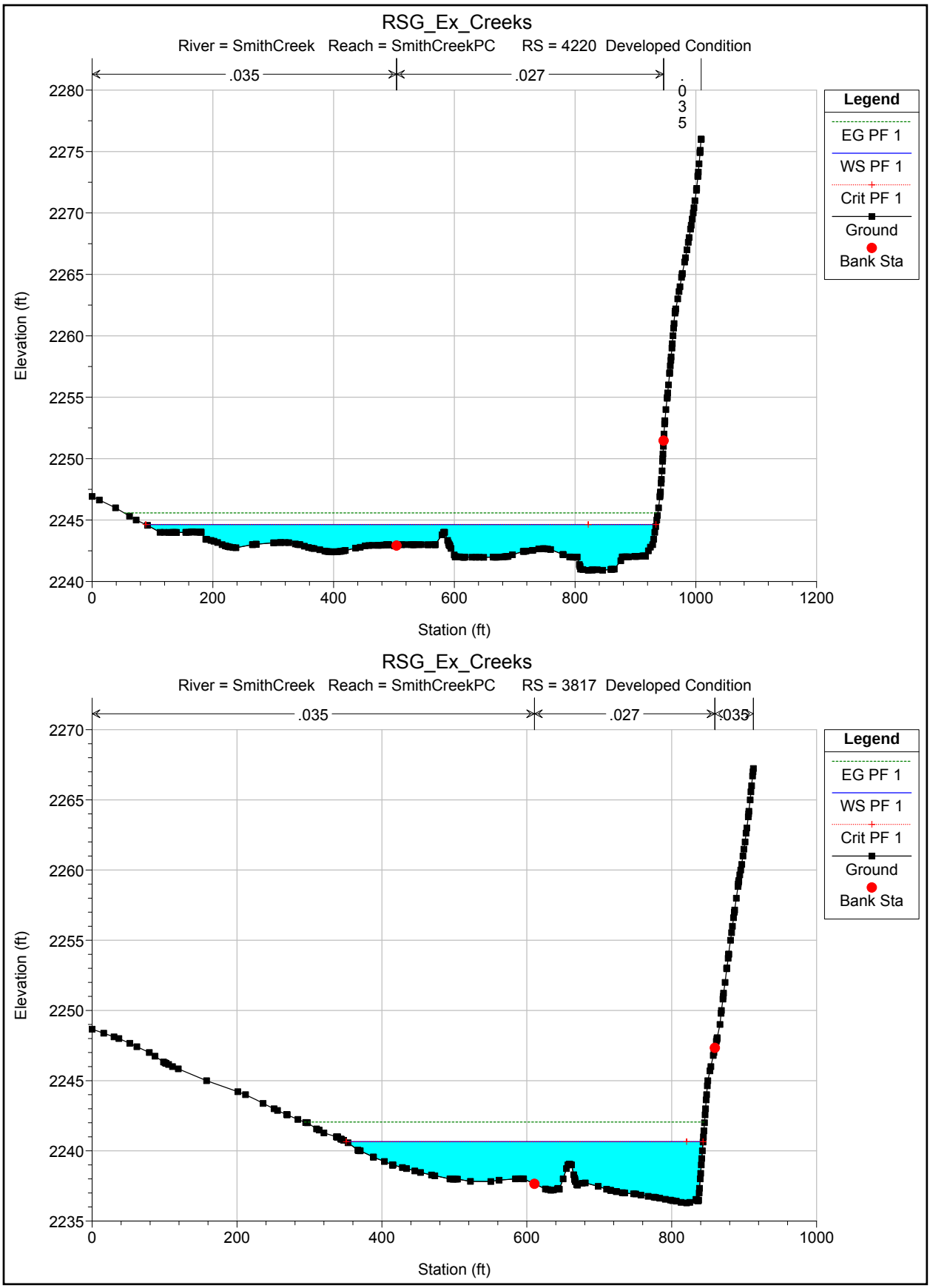

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 2258 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2282
2280
2278
2276
2274
2272
2270
0
100
200
300
400
500
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 2065 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2288
2286
2284
2282
2280
2278
2276
2274
2272
2270
2268
0
100
200
300
400
500

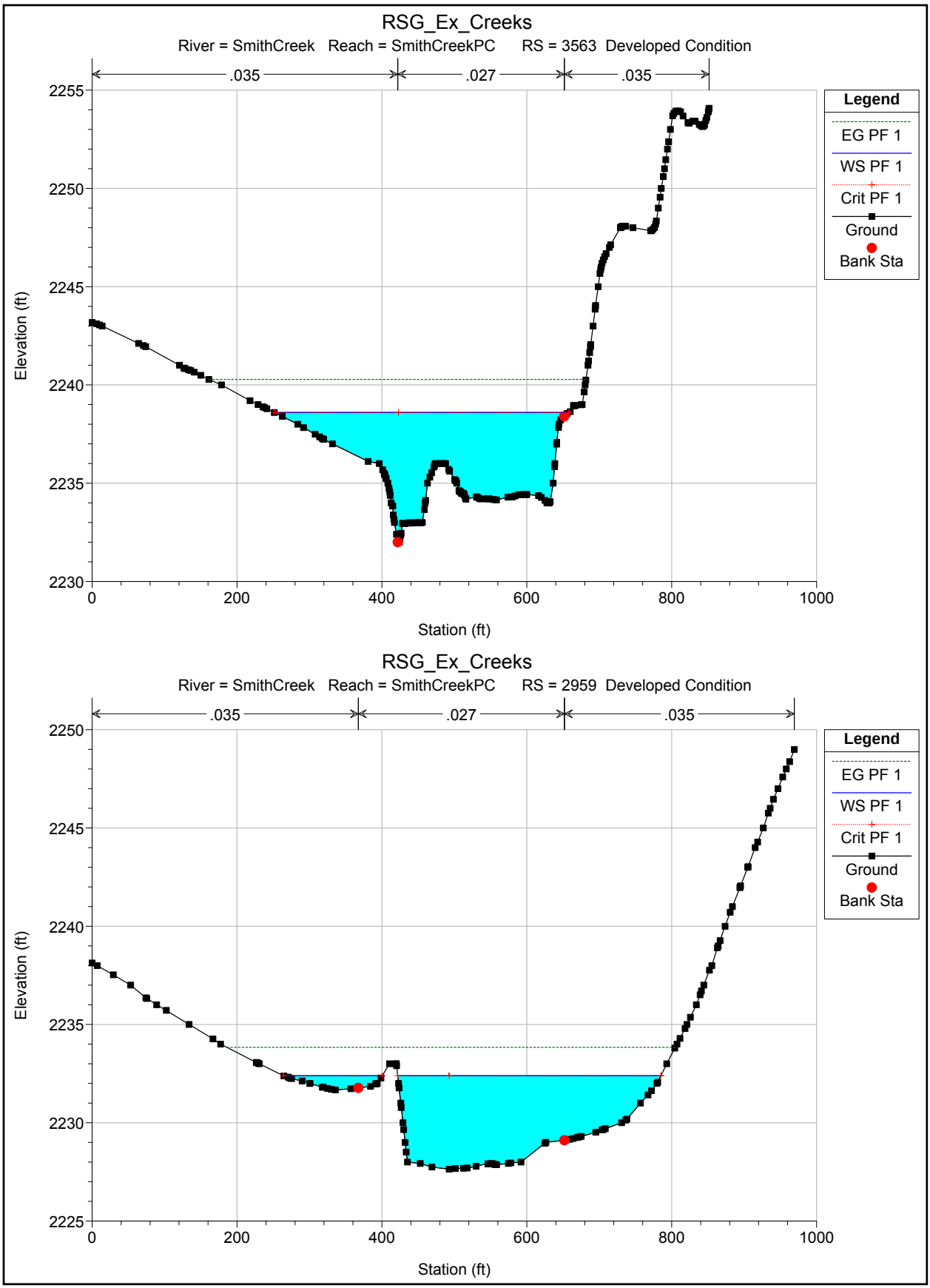

RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 1936 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2290
2285
2280
2275
2270
2265
0
100
200
300
400
500
600
RSG_Ex_Creeks
River = PershingCreek Reach = PershingCreek RS = 1633 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2269
2268
2267
2266
2265
2264
2263
2262
0
100
200
300
400
500
600

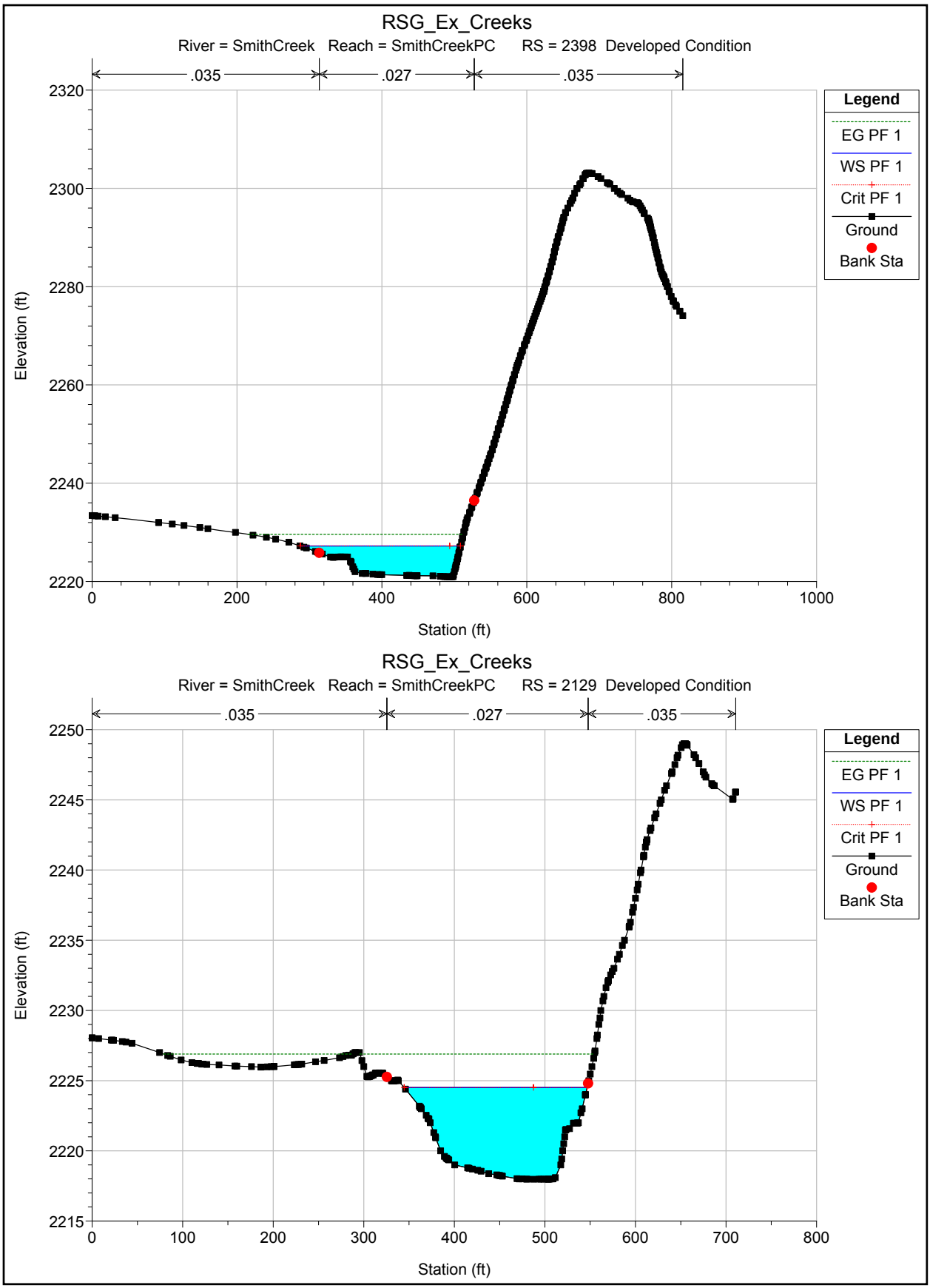

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreek RS = 6844 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2300
2295
2290
2285
2280
2275
300
400
500
600
700
800
900
1000
1100

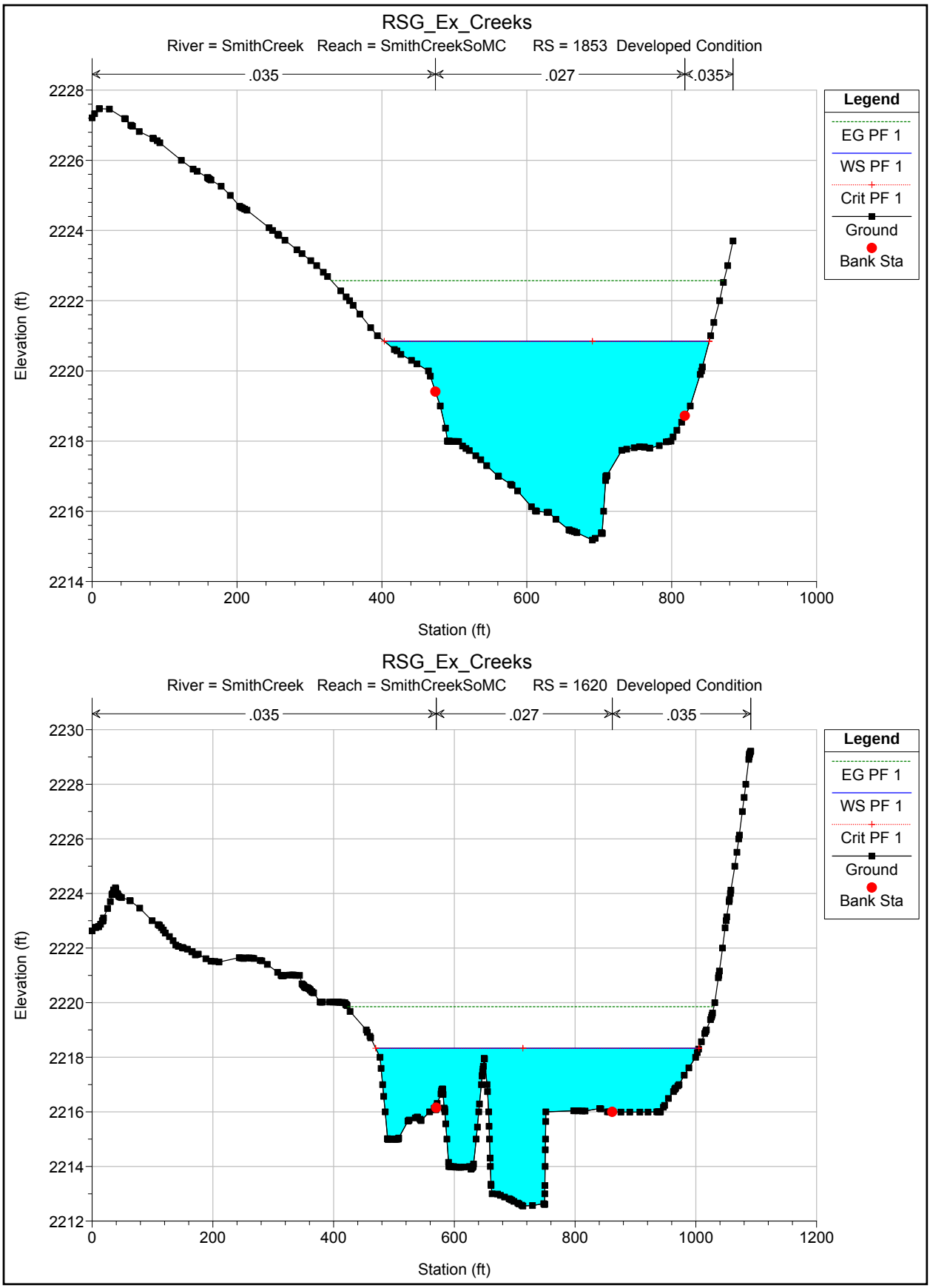

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreek RS = 5985 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2282
2280
2278
2276
2274
2272
2270
2268
2266
2264
2262
500
600
700
800
900
1000
1100

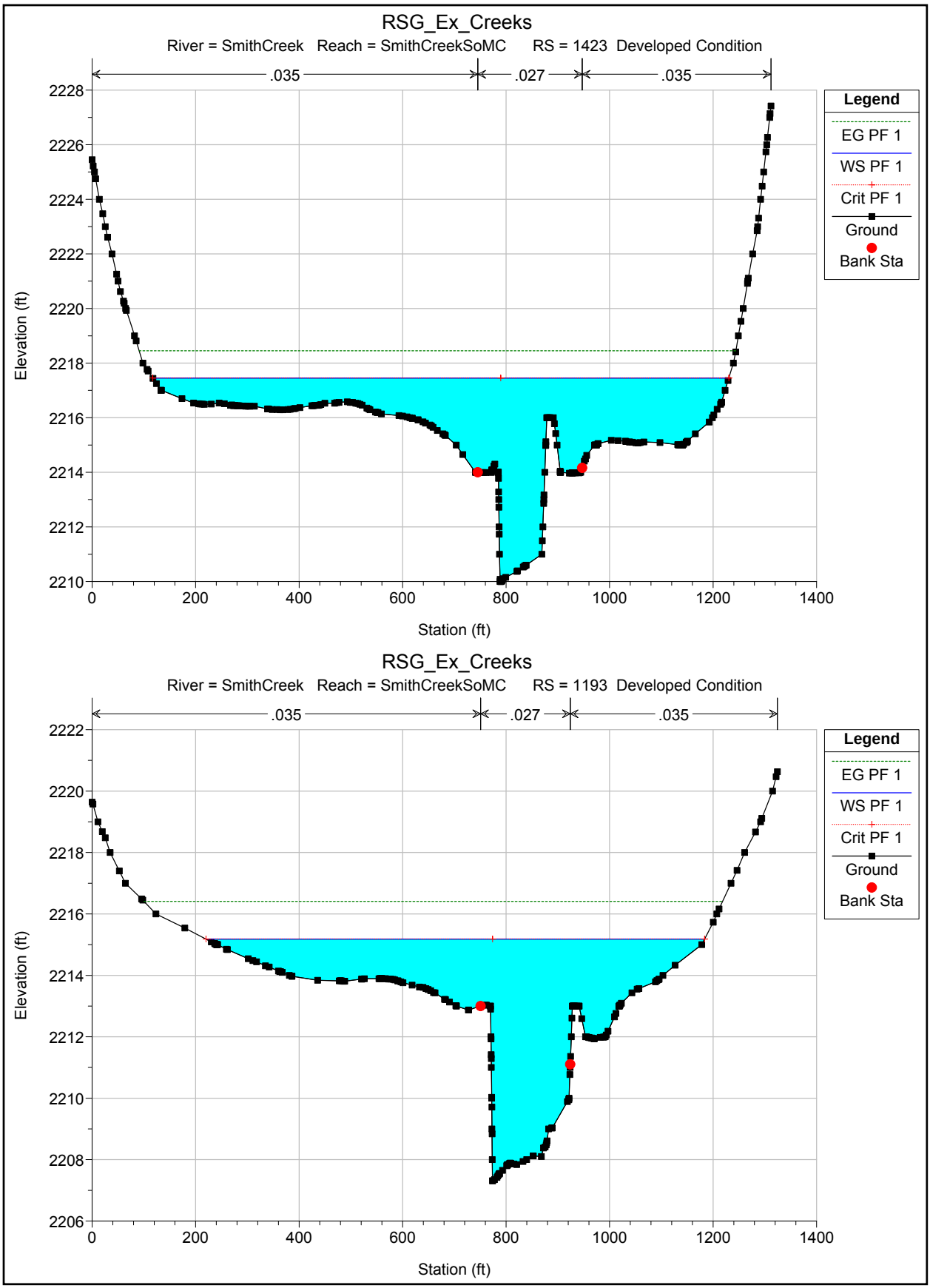

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreek RS = 5370 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreek RS = 4543 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

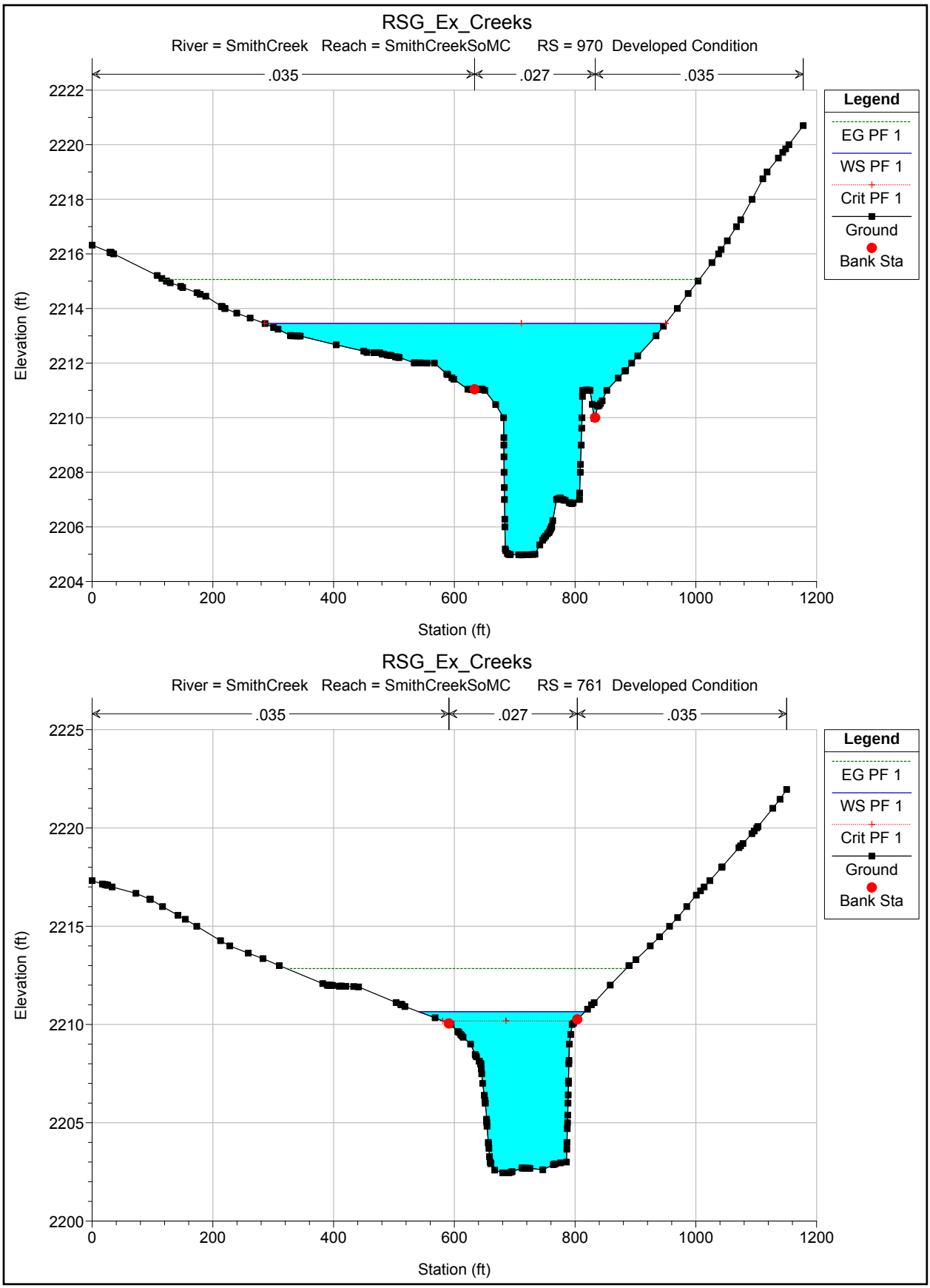

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 4220 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 3817 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

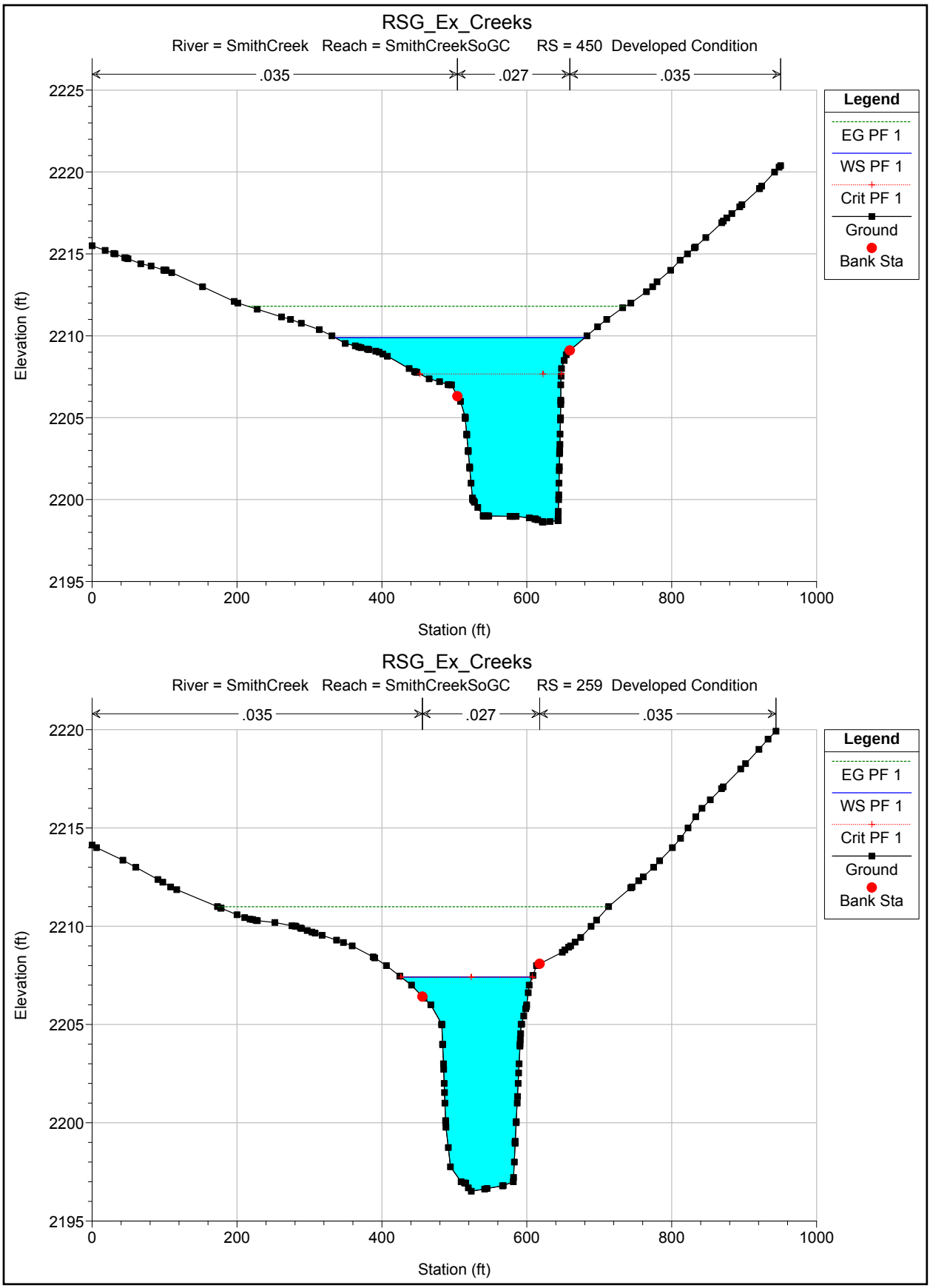

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 3563 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2255
2250
2245
2240
2235
2230
0
200
400
600
800
1000
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 2959 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2250
2245
2240
2235
2230
2225
0
200
400
600
800
1000

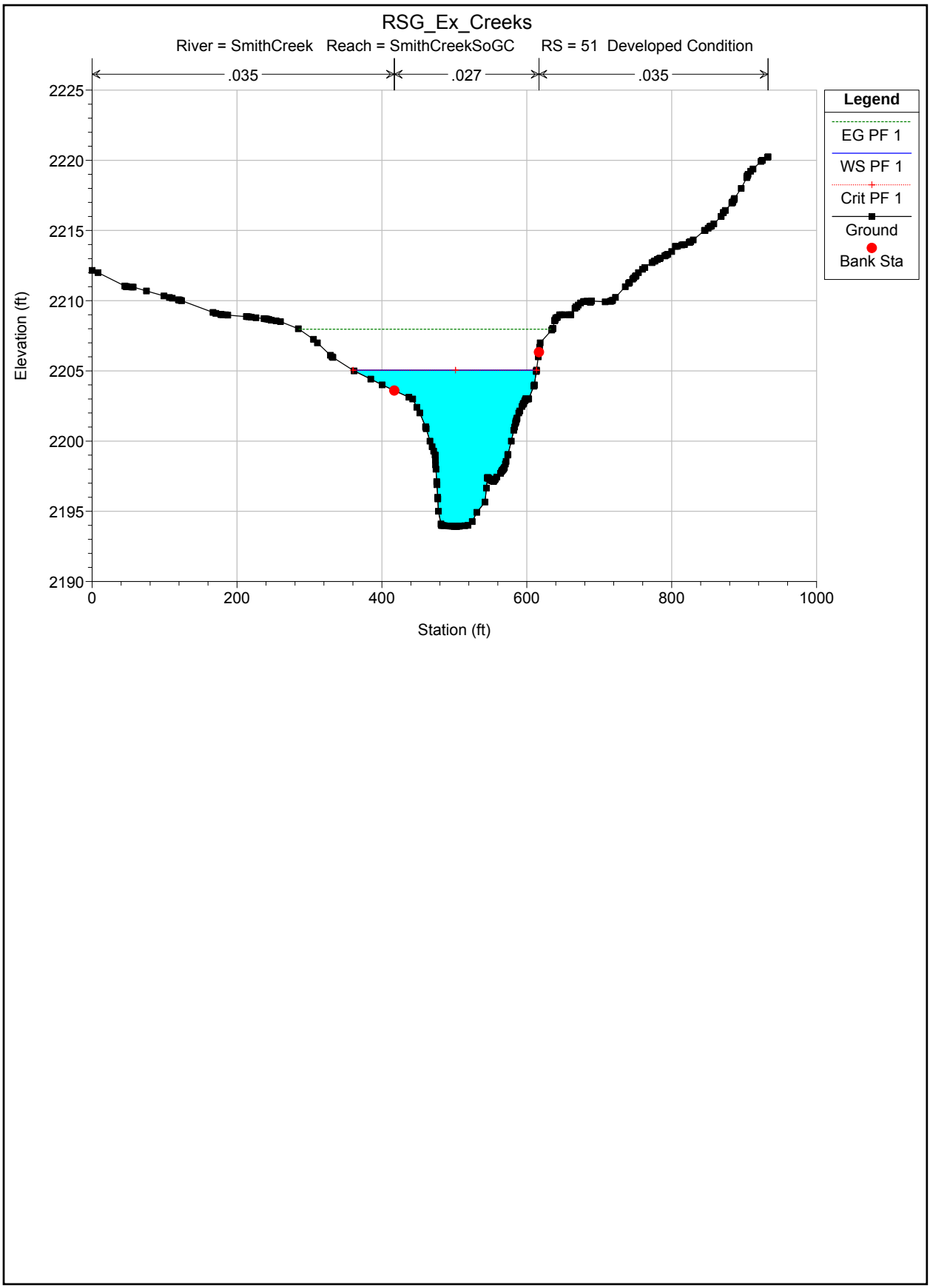

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 2398 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 2129 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)


RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1853 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1620 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)


RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1423 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1193 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

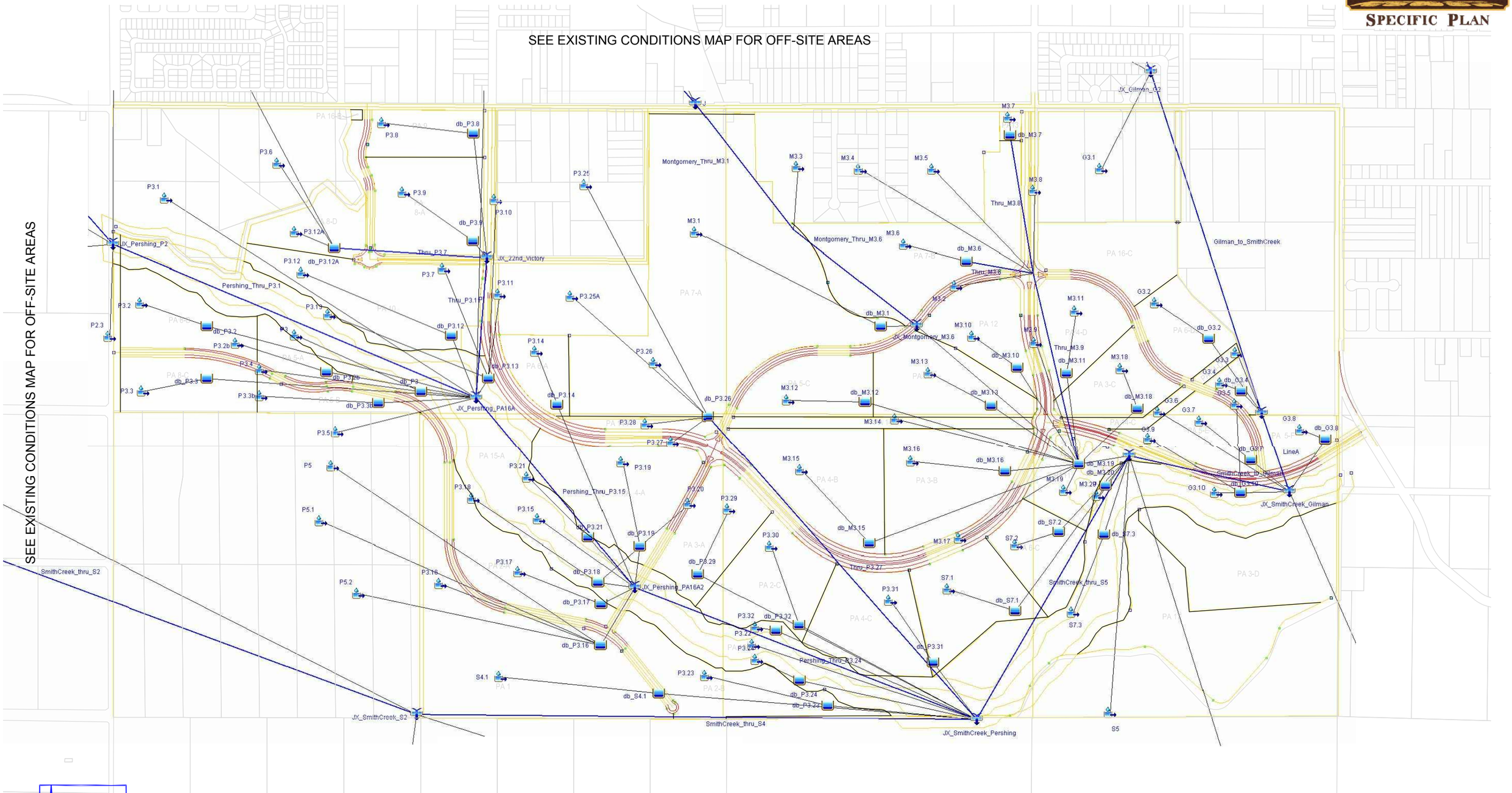

RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 970 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 761 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)


RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoGC RS = 450 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2225
2220
2215
2210
2205
2200
2195
0
200
400
600
800
1000
RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoGC RS = 259 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2220
2215
2210
2205
2200
2195
0
200
400
600
800
1000


RSG_Ex_Creeks
River = SmithCreek Reach = SmithCreekSoGC RS = 51 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
2225
2220
2215
2210
2205
2200
2195
2190
0
200
400
600
800
1000
Station (ft)

Appendix D: Conceptual On-Site Hydrology Calculations

SEE EXISTING CONDITIONS MAP FOR OFF-SITE AREAS



SEE EXISTING CONDITIONS MAP FOR OFF-SITE AREAS

0' 800' 1600'

HEC-HMS Developed Condition Link Diagram

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
5002	2521	40259	21401	0.020	0.589

	Area	F	Ap
	acres	in/hr	%
Totals:	3507.02	0.35	98%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	32	0.53	57	1.00	0.51	0.51	0.27	0.53
B	32	0.93	57	1.00	0.51	0.51	0.47	0.93
B	32	10.69	57	1.00	0.51	0.51	5.40	10.69
D	42	0.17	79	1.00	0.27	0.27	0.04	0.17
A	32	0.09	45	1.00	0.62	0.62	0.05	0.09
D	32	1.59	74	1.00	0.32	0.32	0.51	1.59
A	21	10.63	57	1.00	0.51	0.51	5.37	10.63
A	22	0.24	43	1.00	0.64	0.64	0.15	0.24
A	21	0.26	57	1.00	0.51	0.51	0.13	0.26
A	22	0.40	43	1.00	0.64	0.64	0.26	0.40
B	12	0.98	92	0.10	0.11	0.02	0.02	0.10
A	12	3.22	89	0.10	0.15	0.03	0.09	0.32
A	42	0.89	36	1.00	0.71	0.71	0.63	0.89
A	32	0.06	45	1.00	0.62	0.62	0.04	0.06
A	32	1.07	45	1.00	0.62	0.62	0.67	1.07
A	32	0.12	45	1.00	0.62	0.62	0.08	0.12
A	42	7.03	36	1.00	0.71	0.71	4.97	7.03
B	42	0.01	60	1.00	0.47	0.47	0.01	0.01
B	21	0.12	72	1.00	0.35	0.35	0.04	0.12
D	31	0.66	87	1.00	0.17	0.17	0.11	0.66
B	32	0.66	57	1.00	0.51	0.51	0.33	0.66
B	32	1.44	57	1.00	0.51	0.51	0.73	1.44
D	31	0.51	87	1.00	0.17	0.17	0.09	0.51
C	32	0.42	68	1.00	0.39	0.39	0.16	0.42
B	32	0.74	57	1.00	0.51	0.51	0.37	0.74
D	32	0.00	74	1.00	0.32	0.32	0.00	0.00
C	32	18.44	68	1.00	0.39	0.39	7.18	18.44
D	32	0.00	74	1.00	0.32	0.32	0.00	0.00
C	32	0.00	68	1.00	0.39	0.39	0.00	0.00
C	32	0.00	68	1.00	0.39	0.39	0.00	0.00
A	31	0.01	49	1.00	0.59	0.59	0.00	0.01
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
A	32	9.56	45	1.00	0.62	0.62	5.97	9.56
C	31	0.29	80	1.00	0.25	0.25	0.07	0.29
B	32	0.47	57	1.00	0.51	0.51	0.24	0.47
C	31	0.11	80	1.00	0.25	0.25	0.03	0.11
B	31	12.18	70	1.00	0.37	0.37	4.48	12.18
B	32	2.92	57	1.00	0.51	0.51	1.48	2.92
B	32	0.20	57	1.00	0.51	0.51	0.10	0.20
C	31	0.49	80	1.00	0.25	0.25	0.12	0.49

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
C	32	1.11	68	1.00	0.39	0.39	0.43	1.11
B	32	10.00	57	1.00	0.51	0.51	5.06	10.00
C	32	1.78	68	1.00	0.39	0.39	0.69	1.78
B	31	2.58	70	1.00	0.37	0.37	0.95	2.58
D	32	0.12	74	1.00	0.32	0.32	0.04	0.12
D	32	0.01	74	1.00	0.32	0.32	0.00	0.01
D	32	0.07	74	1.00	0.32	0.32	0.02	0.07
B	32	1.17	57	1.00	0.51	0.51	0.59	1.17
B	32	0.29	57	1.00	0.51	0.51	0.14	0.29
B	32	0.03	57	1.00	0.51	0.51	0.02	0.03
B	32	1.64	57	1.00	0.51	0.51	0.83	1.64
B	32	1.02	57	1.00	0.51	0.51	0.52	1.02
B	32	2.99	57	1.00	0.51	0.51	1.51	2.99
B	32	7.10	57	1.00	0.51	0.51	3.59	7.10
B	32	0.01	57	1.00	0.51	0.51	0.01	0.01
B	33	10.22	64	1.00	0.43	0.43	4.42	10.22
A	32	0.68	45	1.00	0.62	0.62	0.43	0.68
B	32	12.35	57	1.00	0.51	0.51	6.24	12.35
A	32	0.29	45	1.00	0.62	0.62	0.18	0.29
B	33	0.45	64	1.00	0.43	0.43	0.19	0.45
D	33	1.52	81	1.00	0.24	0.24	0.37	1.52
B	21	0.47	72	1.00	0.35	0.35	0.16	0.47
B	21	0.17	72	1.00	0.35	0.35	0.06	0.17
B	22	0.12	65	1.00	0.42	0.42	0.05	0.12
B	22	0.14	65	1.00	0.42	0.42	0.06	0.14
C	32	4.93	68	1.00	0.39	0.39	1.92	4.93
C	32	26.34	68	1.00	0.39	0.39	10.26	26.34
C	21	0.01	80	1.00	0.25	0.25	0.00	0.01
B	21	4.93	72	1.00	0.35	0.35	1.70	4.93
C	21	0.22	80	1.00	0.25	0.25	0.06	0.22
C	21	0.69	80	1.00	0.25	0.25	0.18	0.69
B	32	2.95	57	1.00	0.51	0.51	1.49	2.95
C	32	0.00	68	1.00	0.39	0.39	0.00	0.00
B	21	80.71	72	1.00	0.35	0.35	27.88	80.71
B	11	0.50	73	0.50	0.33	0.18	0.09	0.25
B	15	1.94	88	0.10	0.16	0.03	0.06	0.19
B	11	0.07	73	0.50	0.33	0.18	0.01	0.04
B	11	0.25	73	0.50	0.33	0.18	0.05	0.12
B	11	0.13	73	0.50	0.33	0.18	0.02	0.07
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	11	0.89	73	0.50	0.33	0.18	0.16	0.44
D	11	0.02	86	0.50	0.18	0.10	0.00	0.01
B	11	14.00	73	0.50	0.33	0.18	2.57	7.00
B	11	2.49	73	0.50	0.33	0.18	0.46	1.25
B	11	4.65	73	0.50	0.33	0.18	0.85	2.32
B	11	8.26	73	0.50	0.33	0.18	1.52	4.13
B	32	0.34	57	1.00	0.51	0.51	0.17	0.34
B	11	9.47	73	0.50	0.33	0.18	1.74	4.73
B	11	2.47	73	0.50	0.33	0.18	0.45	1.23
B	21	0.32	72	1.00	0.35	0.35	0.11	0.32
B	33	0.07	64	1.00	0.43	0.43	0.03	0.07
B	21	5.65	72	1.00	0.35	0.35	1.95	5.65
B	33	1.25	64	1.00	0.43	0.43	0.54	1.25
B	21	1.40	72	1.00	0.35	0.35	0.48	1.40
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	33	0.00	64	1.00	0.43	0.43	0.00	0.00
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.14	72	1.00	0.35	0.35	0.05	0.14
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
A	21	0.57	57	1.00	0.51	0.51	0.29	0.57
C	32	7.70	68	1.00	0.39	0.39	3.00	7.70
B	32	0.50	57	1.00	0.51	0.51	0.25	0.50
C	31	0.17	80	1.00	0.25	0.25	0.04	0.17
C	31	15.90	80	1.00	0.25	0.25	4.05	15.90
B	21	0.88	72	1.00	0.35	0.35	0.31	0.88
B	32	6.63	57	1.00	0.51	0.51	3.35	6.63
D	32	4.25	74	1.00	0.32	0.32	1.37	4.25
C	32	16.99	68	1.00	0.39	0.39	6.61	16.99
C	21	0.02	80	1.00	0.25	0.25	0.00	0.02
B	32	8.06	57	1.00	0.51	0.51	4.07	8.06
C	31	2.85	80	1.00	0.25	0.25	0.73	2.85
C	31	10.86	80	1.00	0.25	0.25	2.76	10.86
C	32	2.33	68	1.00	0.39	0.39	0.91	2.33
C	31	8.36	80	1.00	0.25	0.25	2.13	8.36
B	32	1.51	57	1.00	0.51	0.51	0.76	1.51
B	32	10.15	57	1.00	0.51	0.51	5.13	10.15
B	32	0.04	57	1.00	0.51	0.51	0.02	0.04
B	32	3.24	57	1.00	0.51	0.51	1.64	3.24
B	31	3.59	70	1.00	0.37	0.37	1.32	3.59
B	31	11.15	70	1.00	0.37	0.37	4.10	11.15
B	42	0.02	60	1.00	0.47	0.47	0.01	0.02
B	33	4.50	64	1.00	0.43	0.43	1.95	4.50
A	21	39.20	57	1.00	0.51	0.51	19.82	39.20
A	33	0.06	47	1.00	0.60	0.60	0.04	0.06
A	33	3.64	47	1.00	0.60	0.60	2.20	3.64
B	32	8.02	57	1.00	0.51	0.51	4.05	8.02
B	21	12.99	72	1.00	0.35	0.35	4.49	12.99
B	21	3.90	72	1.00	0.35	0.35	1.35	3.90
B	21	1.67	72	1.00	0.35	0.35	0.58	1.67
B	33	30.17	64	1.00	0.43	0.43	13.05	30.17
B	33	2.26	64	1.00	0.43	0.43	0.98	2.26
B	21	4.85	72	1.00	0.35	0.35	1.68	4.85
D	21	5.48	85	1.00	0.20	0.20	1.07	5.48
B	33	3.82	64	1.00	0.43	0.43	1.65	3.82
B	33	9.71	64	1.00	0.43	0.43	4.20	9.71
B	32	9.39	57	1.00	0.51	0.51	4.75	9.39
C	21	0.30	80	1.00	0.25	0.25	0.08	0.30
B	21	17.79	72	1.00	0.35	0.35	6.14	17.79
B	32	1.63	57	1.00	0.51	0.51	0.82	1.63
B	21	0.67	72	1.00	0.35	0.35	0.23	0.67
B	31	11.52	70	1.00	0.37	0.37	4.23	11.52
A	21	23.04	57	1.00	0.51	0.51	11.64	23.04
D	32	1.46	74	1.00	0.32	0.32	0.47	1.46
B	32	7.95	57	1.00	0.51	0.51	4.02	7.95
A	32	1.44	45	1.00	0.62	0.62	0.90	1.44
C	31	0.95	80	1.00	0.25	0.25	0.24	0.95
C	31	3.03	80	1.00	0.25	0.25	0.77	3.03
C	31	3.69	80	1.00	0.25	0.25	0.94	3.69
D	32	4.83	74	1.00	0.32	0.32	1.56	4.83
B	31	5.44	70	1.00	0.37	0.37	2.00	5.44
D	31	2.91	87	1.00	0.17	0.17	0.50	2.91

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	31	6.99	70	1.00	0.37	0.37	2.57	6.99
D	32	7.69	74	1.00	0.32	0.32	2.48	7.69
A	32	1.90	45	1.00	0.62	0.62	1.19	1.90
A	31	14.41	49	1.00	0.59	0.59	8.43	14.41
B	31	28.48	70	1.00	0.37	0.37	10.47	28.48
B	31	1.84	70	1.00	0.37	0.37	0.68	1.84
C	31	1.32	80	1.00	0.25	0.25	0.34	1.32
B	31	0.65	70	1.00	0.37	0.37	0.24	0.65
B	32	0.80	57	1.00	0.51	0.51	0.40	0.80
B	32	2.62	57	1.00	0.51	0.51	1.32	2.62
A	21	77.70	57	1.00	0.51	0.51	39.27	77.70
B	42	0.05	60	1.00	0.47	0.47	0.02	0.05
A	76	0.23	77	1.00	0.29	0.29	0.07	0.23
B	33	0.33	64	1.00	0.43	0.43	0.14	0.33
B	42	0.01	60	1.00	0.47	0.47	0.00	0.01
B	33	3.34	64	1.00	0.43	0.43	1.45	3.34
B	21	3.36	72	1.00	0.35	0.35	1.16	3.36
B	21	134.64	72	1.00	0.35	0.35	46.50	134.64
B	33	2.14	64	1.00	0.43	0.43	0.92	2.14
B	21	7.76	72	1.00	0.35	0.35	2.68	7.76
A	21	13.37	57	1.00	0.51	0.51	6.76	13.37
B	33	0.39	64	1.00	0.43	0.43	0.17	0.39
B	21	128.33	72	1.00	0.35	0.35	44.32	128.33
B	21	11.24	72	1.00	0.35	0.35	3.88	11.24
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	1.94	72	1.00	0.35	0.35	0.67	1.94
B	32	0.05	57	1.00	0.51	0.51	0.03	0.05
D	21	6.70	85	1.00	0.20	0.20	1.31	6.70
B	21	6.47	72	1.00	0.35	0.35	2.23	6.47
C	42	12.48	73	1.00	0.33	0.33	4.17	12.48
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
C	32	23.15	68	1.00	0.39	0.39	9.01	23.15
C	32	52.48	68	1.00	0.39	0.39	20.44	52.48
C	33	0.33	74	1.00	0.32	0.32	0.11	0.33
C	32	114.33	68	1.00	0.39	0.39	44.52	114.33
B	15	0.01	88	0.10	0.16	0.03	0.00	0.00
B	11	17.69	73	0.50	0.33	0.18	3.25	8.84
B	11	31.27	73	0.50	0.33	0.18	5.75	15.64
B	11	0.10	73	0.50	0.33	0.18	0.02	0.05
B	21	1.18	72	1.00	0.35	0.35	0.41	1.18
B	11	23.84	73	0.50	0.33	0.18	4.38	11.92
B	21	2.09	72	1.00	0.35	0.35	0.72	2.09
B	15	0.01	88	0.10	0.16	0.03	0.00	0.00
B	15	0.19	88	0.10	0.16	0.03	0.01	0.02
A	22	4.70	43	1.00	0.64	0.64	3.02	4.70
A	12	0.08	89	0.10	0.15	0.03	0.00	0.01
A	12	9.77	89	0.10	0.15	0.03	0.27	0.98
A	33	0.11	47	1.00	0.60	0.60	0.07	0.11
B	21	194.50	72	1.00	0.35	0.35	67.18	194.50
A	21	0.14	57	1.00	0.51	0.51	0.07	0.14
A	12	3.72	89	0.10	0.15	0.03	0.10	0.37
B	22	19.29	65	1.00	0.42	0.42	8.14	19.29
A	76	0.05	77	1.00	0.29	0.29	0.02	0.05
B	76	0.18	86	1.00	0.18	0.18	0.03	0.18
A	42	0.30	36	1.00	0.71	0.71	0.21	0.30
A	32	0.23	45	1.00	0.62	0.62	0.14	0.23

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	22	1.54	82	1.00	0.23	0.23	0.36	1.54
D	32	4.64	74	1.00	0.32	0.32	1.50	4.64
B	21	11.00	72	1.00	0.35	0.35	3.80	11.00
B	32	1.34	57	1.00	0.51	0.51	0.68	1.34
B	31	22.69	70	1.00	0.37	0.37	8.34	22.69
B	32	0.79	57	1.00	0.51	0.51	0.40	0.79
B	32	0.44	57	1.00	0.51	0.51	0.22	0.44
B	31	0.19	70	1.00	0.37	0.37	0.07	0.19
B	32	1.90	57	1.00	0.51	0.51	0.96	1.90
D	32	317.82	74	1.00	0.32	0.32	102.66	317.82
D	32	69.39	74	1.00	0.32	0.32	22.41	69.39
B	31	16.25	70	1.00	0.37	0.37	5.97	16.25
B	32	0.80	57	1.00	0.51	0.51	0.41	0.80
C	32	158.87	68	1.00	0.39	0.39	61.86	158.87
D	21	3.46	85	1.00	0.20	0.20	0.68	3.46
B	32	1.60	57	1.00	0.51	0.51	0.81	1.60
B	32	2.37	57	1.00	0.51	0.51	1.20	2.37
C	32	11.46	68	1.00	0.39	0.39	4.46	11.46
C	32	118.97	68	1.00	0.39	0.39	46.32	118.97
B	32	4.43	57	1.00	0.51	0.51	2.24	4.43
C	31	4.42	80	1.00	0.25	0.25	1.13	4.42
B	31	5.92	70	1.00	0.37	0.37	2.18	5.92
B	31	91.48	70	1.00	0.37	0.37	33.62	91.48
A	32	2.10	45	1.00	0.62	0.62	1.31	2.10
B	32	2.63	57	1.00	0.51	0.51	1.33	2.63
B	42	13.19	60	1.00	0.47	0.47	6.26	13.19
B	42	5.16	60	1.00	0.47	0.47	2.45	5.16
A	33	11.70	47	1.00	0.60	0.60	7.08	11.70
B	33	3.13	64	1.00	0.43	0.43	1.35	3.13
B	21	76.82	72	1.00	0.35	0.35	26.53	76.82
B	21	78.65	72	1.00	0.35	0.35	27.16	78.65
B	33	12.37	64	1.00	0.43	0.43	5.35	12.37
A	33	2.14	47	1.00	0.60	0.60	1.30	2.14
B	21	11.56	72	1.00	0.35	0.35	3.99	11.56
B	21	7.37	72	1.00	0.35	0.35	2.54	7.37
B	21	4.74	72	1.00	0.35	0.35	1.64	4.74
B	21	2.02	72	1.00	0.35	0.35	0.70	2.02
B	21	71.47	72	1.00	0.35	0.35	24.68	71.47
B	21	9.51	72	1.00	0.35	0.35	3.28	9.51
B	42	2.99	60	1.00	0.47	0.47	1.42	2.99
D	42	80.05	79	1.00	0.27	0.27	21.30	80.05
A	42	1.31	36	1.00	0.71	0.71	0.93	1.31
B	31	165.31	70	1.00	0.37	0.37	60.75	165.31
B	32	1.61	57	1.00	0.51	0.51	0.81	1.61
B	32	0.63	57	1.00	0.51	0.51	0.32	0.63
B	32	0.65	57	1.00	0.51	0.51	0.33	0.65
C	32	0.04	68	1.00	0.39	0.39	0.02	0.04
D	31	75.89	87	1.00	0.17	0.17	13.04	75.89
B	31	4.15	70	1.00	0.37	0.37	1.53	4.15
C	32	4.44	68	1.00	0.39	0.39	1.73	4.44
B	32	6.23	57	1.00	0.51	0.51	3.15	6.23
B	21	24.25	72	1.00	0.35	0.35	8.37	24.25
D	33	118.68	81	1.00	0.24	0.24	28.82	118.68
A	33	12.26	47	1.00	0.60	0.60	7.41	12.26
B	21	12.27	72	1.00	0.35	0.35	4.24	12.27
B	21	77.43	72	1.00	0.35	0.35	26.74	77.43

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	28.63	72	1.00	0.35	0.35	9.89	28.63
A	21	9.62	57	1.00	0.51	0.51	4.86	9.62
B	11	4.77	73	0.50	0.33	0.18	0.88	2.39
B	21	4.75	72	1.00	0.35	0.35	1.64	4.75
C	42	19.94	73	1.00	0.33	0.33	6.66	19.94
A	22	6.92	43	1.00	0.64	0.64	4.45	6.92
A	22	29.23	43	1.00	0.64	0.64	18.78	29.23
D	21	8.32	85	1.00	0.20	0.20	1.63	8.32
C	32	1.71	68	1.00	0.39	0.39	0.67	1.71

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2794	2570	10402	3907	0.018	0.203

	Area	F	Ap
	acres	in/hr	%
Totals:	238.25	0.26	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	102.42	72	1.00	0.35	0.35	35.37	102.42
B	21	0.45	72	1.00	0.35	0.35	0.15	0.45
B	11	1.15	73	0.50	0.33	0.18	0.21	0.57
B	11	6.39	73	0.50	0.33	0.18	1.17	3.19
B	11	16.17	73	0.50	0.33	0.18	2.97	8.08
B	16	0.09	87	0.20	0.17	0.05	0.00	0.02
B	12	58.05	92	0.10	0.11	0.02	1.22	5.80
B	16	0.07	87	0.20	0.17	0.05	0.00	0.01
B	16	0.10	87	0.20	0.17	0.05	0.00	0.02
B	16	53.37	87	0.20	0.17	0.05	2.57	10.67

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2484	2312	13630	7590	0.022	0.391

	Area	F	Ap
	acres	in/hr	%
Totals:	1225.72	0.31	97%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.05	72	1.00	0.35	0.35	0.36	1.05
B	32	0.12	57	1.00	0.51	0.51	0.06	0.12
B	15	2.41	88	0.10	0.16	0.03	0.07	0.24
B	14	1.94	89	0.10	0.15	0.03	0.05	0.19
B	21	26.97	72	1.00	0.35	0.35	9.32	26.97
B	11	1.70	73	0.50	0.33	0.18	0.31	0.85
D	14	0.83	93	0.10	0.10	0.02	0.02	0.08
D	21	2.76	85	1.00	0.20	0.20	0.54	2.76
B	21	32.93	72	1.00	0.35	0.35	11.37	32.93
D	21	0.03	85	1.00	0.20	0.20	0.01	0.03
B	21	0.45	72	1.00	0.35	0.35	0.15	0.45
D	32	0.80	74	1.00	0.32	0.32	0.26	0.80
C	32	0.98	68	1.00	0.39	0.39	0.38	0.98
D	21	0.01	85	1.00	0.20	0.20	0.00	0.01
D	32	0.01	74	1.00	0.32	0.32	0.00	0.01
C	32	115.40	68	1.00	0.39	0.39	44.93	115.40
D	32	32.90	74	1.00	0.32	0.32	10.63	32.90
B	21	18.66	72	1.00	0.35	0.35	6.45	18.66
B	21	0.38	72	1.00	0.35	0.35	0.13	0.38
B	21	0.58	72	1.00	0.35	0.35	0.20	0.58
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	21	13.72	72	1.00	0.35	0.35	4.74	13.72
B	21	0.42	72	1.00	0.35	0.35	0.15	0.42
B	21	1.23	72	1.00	0.35	0.35	0.42	1.23
D	14	3.67	93	0.10	0.10	0.02	0.07	0.37
B	14	0.87	89	0.10	0.15	0.03	0.02	0.09
B	15	1.73	88	0.10	0.16	0.03	0.05	0.17
D	21	0.23	85	1.00	0.20	0.20	0.05	0.23
D	21	0.43	85	1.00	0.20	0.20	0.08	0.43
D	14	2.46	93	0.10	0.10	0.02	0.05	0.25
B	15	0.79	88	0.10	0.16	0.03	0.02	0.08
B	21	9.77	72	1.00	0.35	0.35	3.38	9.77
B	15	0.01	88	0.10	0.16	0.03	0.00	0.00
B	15	0.50	88	0.10	0.16	0.03	0.02	0.05
B	21	0.51	72	1.00	0.35	0.35	0.18	0.51
D	21	3.12	85	1.00	0.20	0.20	0.61	3.12
D	14	1.01	93	0.10	0.10	0.02	0.02	0.10
B	21	7.54	72	1.00	0.35	0.35	2.60	7.54
D	21	4.64	85	1.00	0.20	0.20	0.91	4.64
B	21	3.57	72	1.00	0.35	0.35	1.23	3.57

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.27	72	1.00	0.35	0.35	0.44	1.27
B	21	12.44	72	1.00	0.35	0.35	4.30	12.44
D	21	0.13	85	1.00	0.20	0.20	0.03	0.13
B	21	0.61	72	1.00	0.35	0.35	0.21	0.61
D	32	1.15	74	1.00	0.32	0.32	0.37	1.15
D	32	32.98	74	1.00	0.32	0.32	10.65	32.98
B	21	1.39	72	1.00	0.35	0.35	0.48	1.39
A	21	4.50	57	1.00	0.51	0.51	2.28	4.50
B	21	2.29	72	1.00	0.35	0.35	0.79	2.29
B	21	1.31	72	1.00	0.35	0.35	0.45	1.31
B	21	11.01	72	1.00	0.35	0.35	3.80	11.01
D	21	0.26	85	1.00	0.20	0.20	0.05	0.26
D	21	2.53	85	1.00	0.20	0.20	0.50	2.53
C	21	0.05	80	1.00	0.25	0.25	0.01	0.05
B	32	0.11	57	1.00	0.51	0.51	0.06	0.11
C	21	0.00	80	1.00	0.25	0.25	0.00	0.00
B	21	0.62	72	1.00	0.35	0.35	0.21	0.62
B	21	0.06	72	1.00	0.35	0.35	0.02	0.06
B	21	2.73	72	1.00	0.35	0.35	0.94	2.73
B	11	0.03	73	0.50	0.33	0.18	0.01	0.02
B	21	0.95	72	1.00	0.35	0.35	0.33	0.95
B	21	5.74	72	1.00	0.35	0.35	1.98	5.74
B	21	10.27	72	1.00	0.35	0.35	3.55	10.27
D	21	10.80	85	1.00	0.20	0.20	2.11	10.80
B	21	5.15	72	1.00	0.35	0.35	1.78	5.15
B	21	4.36	72	1.00	0.35	0.35	1.50	4.36
B	21	0.75	72	1.00	0.35	0.35	0.26	0.75
B	21	1.64	72	1.00	0.35	0.35	0.57	1.64
B	21	1.84	72	1.00	0.35	0.35	0.64	1.84
B	21	36.47	72	1.00	0.35	0.35	12.60	36.47
D	21	14.80	85	1.00	0.20	0.20	2.90	14.80
D	21	7.05	85	1.00	0.20	0.20	1.38	7.05
B	21	0.06	72	1.00	0.35	0.35	0.02	0.06
B	21	9.71	72	1.00	0.35	0.35	3.35	9.71
D	21	2.37	85	1.00	0.20	0.20	0.46	2.37
B	21	0.95	72	1.00	0.35	0.35	0.33	0.95
B	21	3.24	72	1.00	0.35	0.35	1.12	3.24
B	21	8.69	72	1.00	0.35	0.35	3.00	8.69
B	21	13.79	72	1.00	0.35	0.35	4.76	13.79
C	21	3.99	80	1.00	0.25	0.25	1.01	3.99
D	21	1.31	85	1.00	0.20	0.20	0.26	1.31
D	21	4.80	85	1.00	0.20	0.20	0.94	4.80
B	21	2.67	72	1.00	0.35	0.35	0.92	2.67
B	21	3.02	72	1.00	0.35	0.35	1.04	3.02
B	21	7.69	72	1.00	0.35	0.35	2.66	7.69
D	21	33.69	85	1.00	0.20	0.20	6.59	33.69
B	21	4.05	72	1.00	0.35	0.35	1.40	4.05
B	21	12.53	72	1.00	0.35	0.35	4.33	12.53
C	21	2.89	80	1.00	0.25	0.25	0.74	2.89
B	21	15.57	72	1.00	0.35	0.35	5.38	15.57
B	21	2.17	72	1.00	0.35	0.35	0.75	2.17
B	21	18.02	72	1.00	0.35	0.35	6.23	18.02
D	32	12.57	74	1.00	0.32	0.32	4.06	12.57
B	15	3.69	88	0.10	0.16	0.03	0.11	0.37
B	11	3.54	73	0.50	0.33	0.18	0.65	1.77
B	14	8.41	89	0.10	0.15	0.03	0.24	0.84

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	14	1.31	93	0.10	0.10	0.02	0.02	0.13
B	14	1.13	89	0.10	0.15	0.03	0.03	0.11
B	21	11.06	72	1.00	0.35	0.35	3.82	11.06
B	21	3.01	72	1.00	0.35	0.35	1.04	3.01
B	21	1.72	72	1.00	0.35	0.35	0.60	1.72
B	21	3.68	72	1.00	0.35	0.35	1.27	3.68
C	21	5.14	80	1.00	0.25	0.25	1.31	5.14
B	21	0.28	72	1.00	0.35	0.35	0.10	0.28
C	21	6.69	80	1.00	0.25	0.25	1.70	6.69
B	21	17.28	72	1.00	0.35	0.35	5.97	17.28
C	21	12.83	80	1.00	0.25	0.25	3.27	12.83
B	21	4.37	72	1.00	0.35	0.35	1.51	4.37
D	21	3.29	85	1.00	0.20	0.20	0.64	3.29
B	21	43.55	72	1.00	0.35	0.35	15.04	43.55
B	14	0.57	89	0.10	0.15	0.03	0.02	0.06
B	14	1.43	89	0.10	0.15	0.03	0.04	0.14
B	21	3.20	72	1.00	0.35	0.35	1.11	3.20
D	21	15.50	85	1.00	0.20	0.20	3.03	15.50
B	21	1.26	72	1.00	0.35	0.35	0.43	1.26
D	21	18.99	85	1.00	0.20	0.20	3.72	18.99
D	21	59.27	85	1.00	0.20	0.20	11.60	59.27
B	21	16.69	72	1.00	0.35	0.35	5.76	16.69
B	21	0.13	72	1.00	0.35	0.35	0.04	0.13
D	21	0.24	85	1.00	0.20	0.20	0.05	0.24
B	21	3.04	72	1.00	0.35	0.35	1.05	3.04
B	21	31.78	72	1.00	0.35	0.35	10.98	31.78
D	21	3.65	85	1.00	0.20	0.20	0.71	3.65
B	21	149.29	72	1.00	0.35	0.35	51.56	149.29
D	21	9.35	85	1.00	0.20	0.20	1.83	9.35
B	21	10.25	72	1.00	0.35	0.35	3.54	10.25
B	21	0.56	72	1.00	0.35	0.35	0.19	0.56
D	21	22.90	85	1.00	0.20	0.20	4.48	22.90
C	21	7.14	80	1.00	0.25	0.25	1.82	7.14
D	21	4.74	85	1.00	0.20	0.20	0.93	4.74
B	21	16.51	72	1.00	0.35	0.35	5.70	16.51
B	21	45.55	72	1.00	0.35	0.35	15.73	45.55
B	21	8.34	72	1.00	0.35	0.35	2.88	8.34
B	21	20.01	72	1.00	0.35	0.35	6.91	20.01
D	21	3.88	85	1.00	0.20	0.20	0.76	3.88
D	11	1.80	86	0.50	0.18	0.10	0.18	0.90
C	32	0.89	68	1.00	0.39	0.39	0.35	0.89
D	21	1.54	85	1.00	0.20	0.20	0.30	1.54

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
0	0	0	0		

	Area	F	Ap
	acres	in/hr	%
Totals:	63.99	0.13	41%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	14	2.66	89	0.10	0.15	0.03	0.07	0.27
D	32	1.30	74	1.00	0.32	0.32	0.42	1.30
D	32	0.14	74	1.00	0.32	0.32	0.05	0.14
B	11	1.03	73	0.50	0.33	0.18	0.19	0.52
D	21	0.03	85	1.00	0.20	0.20	0.01	0.03
D	21	0.03	85	1.00	0.20	0.20	0.01	0.03
D	14	3.25	93	0.10	0.10	0.02	0.06	0.32
B	32	0.19	57	1.00	0.51	0.51	0.09	0.19
D	32	0.52	74	1.00	0.32	0.32	0.17	0.52
C	32	1.72	68	1.00	0.39	0.39	0.67	1.72
D	32	0.00	74	1.00	0.32	0.32	0.00	0.00
D	21	0.03	85	1.00	0.20	0.20	0.01	0.03
B	21	0.05	72	1.00	0.35	0.35	0.02	0.05
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
D	21	0.01	85	1.00	0.20	0.20	0.00	0.01
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
D	21	0.01	85	1.00	0.20	0.20	0.00	0.01
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	21	0.03	72	1.00	0.35	0.35	0.01	0.03
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.09	72	1.00	0.35	0.35	0.03	0.09
B	21	0.37	72	1.00	0.35	0.35	0.13	0.37
B	21	2.52	72	1.00	0.35	0.35	0.87	2.52
D	21	3.76	85	1.00	0.20	0.20	0.74	3.76
B	21	3.62	72	1.00	0.35	0.35	1.25	3.62
B	11	13.20	73	0.50	0.33	0.18	2.43	6.60
B	12	5.44	92	0.10	0.11	0.02	0.11	0.54
B	14	21.97	89	0.10	0.15	0.03	0.62	2.20
D	11	1.95	86	0.50	0.18	0.10	0.20	0.97

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2974	2253	14000	6700	0.022	0.289

	Area	F	Ap
	acres	in/hr	%
Totals:	1298.11	0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	1.19	85	1.00	0.20	0.20	0.23	1.19
C	21	1.15	80	1.00	0.25	0.25	0.29	1.15
B	32	0.15	57	1.00	0.51	0.51	0.08	0.15
D	21	0.59	85	1.00	0.20	0.20	0.12	0.59
B	32	0.01	57	1.00	0.51	0.51	0.01	0.01
D	21	3.26	85	1.00	0.20	0.20	0.64	3.26
D	21	1.56	85	1.00	0.20	0.20	0.30	1.56
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
B	32	0.17	57	1.00	0.51	0.51	0.08	0.17
D	21	0.04	85	1.00	0.20	0.20	0.01	0.04
D	21	1.39	85	1.00	0.20	0.20	0.27	1.39
B	21	0.04	72	1.00	0.35	0.35	0.01	0.04
B	32	0.15	57	1.00	0.51	0.51	0.08	0.15
B	32	0.01	57	1.00	0.51	0.51	0.00	0.01
D	32	0.15	74	1.00	0.32	0.32	0.05	0.15
D	32	6.38	74	1.00	0.32	0.32	2.06	6.38
D	32	1.17	74	1.00	0.32	0.32	0.38	1.17
D	32	1.25	74	1.00	0.32	0.32	0.40	1.25
D	32	0.38	74	1.00	0.32	0.32	0.12	0.38
D	32	1.33	74	1.00	0.32	0.32	0.43	1.33
D	21	9.89	85	1.00	0.20	0.20	1.94	9.89
C	21	1.45	80	1.00	0.25	0.25	0.37	1.45
D	32	0.58	74	1.00	0.32	0.32	0.19	0.58
A	21	0.01	57	1.00	0.51	0.51	0.00	0.01
D	21	0.14	85	1.00	0.20	0.20	0.03	0.14
B	21	7.00	72	1.00	0.35	0.35	2.42	7.00
B	21	0.90	72	1.00	0.35	0.35	0.31	0.90
B	21	0.03	72	1.00	0.35	0.35	0.01	0.03
B	21	0.66	72	1.00	0.35	0.35	0.23	0.66
B	21	0.36	72	1.00	0.35	0.35	0.12	0.36
B	21	0.10	72	1.00	0.35	0.35	0.03	0.10
B	21	4.23	72	1.00	0.35	0.35	1.46	4.23
B	21	0.39	72	1.00	0.35	0.35	0.13	0.39
B	21	0.60	72	1.00	0.35	0.35	0.21	0.60
B	21	0.33	72	1.00	0.35	0.35	0.11	0.33
B	21	0.85	72	1.00	0.35	0.35	0.29	0.85
B	21	1.88	72	1.00	0.35	0.35	0.65	1.88
D	21	0.01	85	1.00	0.20	0.20	0.00	0.01
C	21	0.53	80	1.00	0.25	0.25	0.13	0.53
B	21	0.35	72	1.00	0.35	0.35	0.12	0.35

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	5.44	72	1.00	0.35	0.35	1.88	5.44
D	21	0.03	85	1.00	0.20	0.20	0.01	0.03
B	32	1.00	57	1.00	0.51	0.51	0.51	1.00
B	32	0.20	57	1.00	0.51	0.51	0.10	0.20
B	32	1.17	57	1.00	0.51	0.51	0.59	1.17
B	32	0.65	57	1.00	0.51	0.51	0.33	0.65
B	21	16.89	72	1.00	0.35	0.35	5.83	16.89
B	32	1.15	57	1.00	0.51	0.51	0.58	1.15
B	32	3.13	57	1.00	0.51	0.51	1.58	3.13
B	32	3.46	57	1.00	0.51	0.51	1.75	3.46
B	21	3.39	72	1.00	0.35	0.35	1.17	3.39
C	21	0.48	80	1.00	0.25	0.25	0.12	0.48
C	32	10.37	68	1.00	0.39	0.39	4.04	10.37
B	21	2.08	72	1.00	0.35	0.35	0.72	2.08
B	21	0.36	72	1.00	0.35	0.35	0.12	0.36
B	21	6.85	72	1.00	0.35	0.35	2.37	6.85
B	21	0.97	72	1.00	0.35	0.35	0.33	0.97
C	21	4.21	80	1.00	0.25	0.25	1.07	4.21
D	21	4.94	85	1.00	0.20	0.20	0.97	4.94
D	21	2.66	85	1.00	0.20	0.20	0.52	2.66
D	21	0.01	85	1.00	0.20	0.20	0.00	0.01
D	21	6.34	85	1.00	0.20	0.20	1.24	6.34
D	32	0.45	74	1.00	0.32	0.32	0.15	0.45
C	21	5.95	80	1.00	0.25	0.25	1.52	5.95
C	21	11.54	80	1.00	0.25	0.25	2.94	11.54
C	21	4.53	80	1.00	0.25	0.25	1.15	4.53
C	21	4.20	80	1.00	0.25	0.25	1.07	4.20
C	21	1.02	80	1.00	0.25	0.25	0.26	1.02
C	21	1.85	80	1.00	0.25	0.25	0.47	1.85
C	21	6.21	80	1.00	0.25	0.25	1.58	6.21
B	21	3.22	72	1.00	0.35	0.35	1.11	3.22
B	32	1.24	57	1.00	0.51	0.51	0.63	1.24
B	21	4.46	72	1.00	0.35	0.35	1.54	4.46
A	21	5.80	57	1.00	0.51	0.51	2.93	5.80
D	32	16.27	74	1.00	0.32	0.32	5.26	16.27
C	32	0.37	68	1.00	0.39	0.39	0.14	0.37
C	32	9.93	68	1.00	0.39	0.39	3.87	9.93
B	32	7.31	57	1.00	0.51	0.51	3.69	7.31
C	32	16.35	68	1.00	0.39	0.39	6.37	16.35
C	21	5.46	80	1.00	0.25	0.25	1.39	5.46
B	21	6.18	72	1.00	0.35	0.35	2.14	6.18
D	21	0.20	85	1.00	0.20	0.20	0.04	0.20
D	32	11.52	74	1.00	0.32	0.32	3.72	11.52
C	21	1.74	80	1.00	0.25	0.25	0.44	1.74
C	21	1.49	80	1.00	0.25	0.25	0.38	1.49
D	21	4.01	85	1.00	0.20	0.20	0.79	4.01
D	21	3.57	85	1.00	0.20	0.20	0.70	3.57
B	21	2.07	72	1.00	0.35	0.35	0.71	2.07
C	32	47.16	68	1.00	0.39	0.39	18.36	47.16
D	21	0.61	85	1.00	0.20	0.20	0.12	0.61
D	32	3.61	74	1.00	0.32	0.32	1.16	3.61
D	32	48.13	74	1.00	0.32	0.32	15.55	48.13
D	32	21.56	74	1.00	0.32	0.32	6.97	21.56
C	21	9.31	80	1.00	0.25	0.25	2.37	9.31
D	32	60.21	74	1.00	0.32	0.32	19.45	60.21
C	32	5.09	68	1.00	0.39	0.39	1.98	5.09

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	21	2.21	57	1.00	0.51	0.51	1.12	2.21
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
C	21	5.83	80	1.00	0.25	0.25	1.48	5.83
D	21	0.57	85	1.00	0.20	0.20	0.11	0.57
B	21	146.67	72	1.00	0.35	0.35	50.66	146.67
C	21	4.01	80	1.00	0.25	0.25	1.02	4.01
B	21	56.58	72	1.00	0.35	0.35	19.54	56.58
C	21	10.63	80	1.00	0.25	0.25	2.70	10.63
C	21	13.11	80	1.00	0.25	0.25	3.34	13.11
D	21	0.87	85	1.00	0.20	0.20	0.17	0.87
B	21	2.01	72	1.00	0.35	0.35	0.70	2.01
D	21	3.26	85	1.00	0.20	0.20	0.64	3.26
D	32	0.66	74	1.00	0.32	0.32	0.21	0.66
D	32	0.79	74	1.00	0.32	0.32	0.26	0.79
C	32	8.73	68	1.00	0.39	0.39	3.40	8.73
C	32	422.94	68	1.00	0.39	0.39	164.68	422.94
D	32	7.81	74	1.00	0.32	0.32	2.52	7.81
B	21	12.17	72	1.00	0.35	0.35	4.20	12.17
B	21	4.79	72	1.00	0.35	0.35	1.66	4.79
B	21	5.41	72	1.00	0.35	0.35	1.87	5.41
B	21	17.29	72	1.00	0.35	0.35	5.97	17.29
B	21	66.80	72	1.00	0.35	0.35	23.07	66.80
B	21	13.61	72	1.00	0.35	0.35	4.70	13.61
B	21	18.26	72	1.00	0.35	0.35	6.31	18.26
B	21	1.51	72	1.00	0.35	0.35	0.52	1.51
B	21	7.07	72	1.00	0.35	0.35	2.44	7.07
D	21	3.45	85	1.00	0.20	0.20	0.68	3.45
C	32	0.20	68	1.00	0.39	0.39	0.08	0.20
A	21	1.80	57	1.00	0.51	0.51	0.91	1.80

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2312	2253	5470	3100	0.022	0.203

	Area	F	Ap
	acres	in/hr	%
Totals:	63.69	0.38	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.04	72	1.00	0.35	0.35	0.01	0.04
A	21	15.42	57	1.00	0.51	0.51	7.79	15.42
B	21	1.40	72	1.00	0.35	0.35	0.48	1.40
B	21	8.52	72	1.00	0.35	0.35	2.94	8.52
D	21	0.20	85	1.00	0.20	0.20	0.04	0.20
A	21	0.02	57	1.00	0.51	0.51	0.01	0.02
A	21	0.19	57	1.00	0.51	0.51	0.10	0.19
B	21	27.29	72	1.00	0.35	0.35	9.43	27.29
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.22	72	1.00	0.35	0.35	0.08	0.22
A	21	0.03	57	1.00	0.51	0.51	0.01	0.03
B	21	1.11	72	1.00	0.35	0.35	0.38	1.11
D	21	0.58	85	1.00	0.20	0.20	0.11	0.58
D	21	2.63	85	1.00	0.20	0.20	0.51	2.63
B	21	5.62	72	1.00	0.35	0.35	1.94	5.62
B	21	0.37	72	1.00	0.35	0.35	0.13	0.37
A	21	0.06	57	1.00	0.51	0.51	0.03	0.06

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
3292	2509	13640	6370	0.018	0.225

	Area	F	Ap
	acres	in/hr	%
Totals:	1282.91	0.28	76%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	11	3.07	73	0.50	0.33	0.18	0.56	1.54
D	32	103.80	74	1.00	0.32	0.32	33.53	103.80
D	32	0.00	74	1.00	0.32	0.32	0.00	0.00
B	11	1.15	73	0.50	0.33	0.18	0.21	0.58
A	21	0.01	57	1.00	0.51	0.51	0.00	0.01
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
A	21	4.85	57	1.00	0.51	0.51	2.45	4.85
B	11	1.05	73	0.50	0.33	0.18	0.19	0.52
B	21	1.05	72	1.00	0.35	0.35	0.36	1.05
B	21	1.84	72	1.00	0.35	0.35	0.64	1.84
B	11	0.12	73	0.50	0.33	0.18	0.02	0.06
B	21	0.21	72	1.00	0.35	0.35	0.07	0.21
B	11	4.67	73	0.50	0.33	0.18	0.86	2.34
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	11	42.38	73	0.50	0.33	0.18	7.79	21.19
B	21	12.14	72	1.00	0.35	0.35	4.19	12.14
B	11	40.61	73	0.50	0.33	0.18	7.47	20.31
B	15	1.80	88	0.10	0.16	0.03	0.05	0.18
B	11	1.02	73	0.50	0.33	0.18	0.19	0.51
B	11	4.04	73	0.50	0.33	0.18	0.74	2.02
B	15	12.44	88	0.10	0.16	0.03	0.38	1.24
B	15	0.03	88	0.10	0.16	0.03	0.00	0.00
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	15	0.72	88	0.10	0.16	0.03	0.02	0.07
B	15	0.12	88	0.10	0.16	0.03	0.00	0.01
B	11	1.15	73	0.50	0.33	0.18	0.21	0.57
B	15	2.02	88	0.10	0.16	0.03	0.06	0.20
B	15	0.98	88	0.10	0.16	0.03	0.03	0.10
B	11	4.21	73	0.50	0.33	0.18	0.77	2.11
B	11	0.14	73	0.50	0.33	0.18	0.03	0.07
B	11	1.14	73	0.50	0.33	0.18	0.21	0.57
B	15	1.59	88	0.10	0.16	0.03	0.05	0.16
B	15	2.61	88	0.10	0.16	0.03	0.08	0.26
B	11	4.38	73	0.50	0.33	0.18	0.81	2.19
B	15	1.74	88	0.10	0.16	0.03	0.05	0.17
D	21	0.87	85	1.00	0.20	0.20	0.17	0.87
A	33	2.44	47	1.00	0.60	0.60	1.47	2.44
D	21	0.04	85	1.00	0.20	0.20	0.01	0.04
B	33	1.73	64	1.00	0.43	0.43	0.75	1.73

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	29.60	72	1.00	0.35	0.35	10.22	29.60
B	33	0.05	64	1.00	0.43	0.43	0.02	0.05
A	33	16.19	47	1.00	0.60	0.60	9.79	16.19
D	21	0.03	85	1.00	0.20	0.20	0.01	0.03
A	33	3.80	47	1.00	0.60	0.60	2.30	3.80
D	21	0.06	85	1.00	0.20	0.20	0.01	0.06
A	33	0.17	47	1.00	0.60	0.60	0.10	0.17
A	21	5.08	57	1.00	0.51	0.51	2.57	5.08
D	21	0.55	85	1.00	0.20	0.20	0.11	0.55
B	33	4.63	64	1.00	0.43	0.43	2.00	4.63
D	33	110.95	81	1.00	0.24	0.24	26.95	110.95
D	21	0.89	85	1.00	0.20	0.20	0.17	0.89
B	21	1.05	72	1.00	0.35	0.35	0.36	1.05
B	21	29.53	72	1.00	0.35	0.35	10.20	29.53
B	21	10.01	72	1.00	0.35	0.35	3.46	10.01
B	11	1.96	73	0.50	0.33	0.18	0.36	0.98
B	11	3.92	73	0.50	0.33	0.18	0.72	1.96
B	11	5.33	73	0.50	0.33	0.18	0.98	2.66
A	11	3.85	58	0.50	0.50	0.27	1.05	1.93
A	21	23.81	57	1.00	0.51	0.51	12.04	23.81
B	11	0.30	73	0.50	0.33	0.18	0.06	0.15
B	11	3.04	73	0.50	0.33	0.18	0.56	1.52
A	21	13.03	57	1.00	0.51	0.51	6.59	13.03
B	21	145.84	72	1.00	0.35	0.35	50.37	145.84
A	21	10.35	57	1.00	0.51	0.51	5.23	10.35
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
A	21	0.01	57	1.00	0.51	0.51	0.00	0.01
A	11	62.90	58	0.50	0.50	0.27	17.13	31.45
B	11	43.94	73	0.50	0.33	0.18	8.08	21.97
B	21	45.50	72	1.00	0.35	0.35	15.72	45.50
B	21	116.90	72	1.00	0.35	0.35	40.38	116.90
B	11	62.75	73	0.50	0.33	0.18	11.54	31.38
B	11	15.06	73	0.50	0.33	0.18	2.77	7.53
A	11	141.31	58	0.50	0.50	0.27	38.49	70.66
B	11	30.04	73	0.50	0.33	0.18	5.52	15.02
B	11	6.97	73	0.50	0.33	0.18	1.28	3.49
B	11	31.79	73	0.50	0.33	0.18	5.84	15.90
B	11	16.51	73	0.50	0.33	0.18	3.03	8.25
B	11	10.66	73	0.50	0.33	0.18	1.96	5.33
B	11	11.79	73	0.50	0.33	0.18	2.17	5.89
B	15	0.55	88	0.10	0.16	0.03	0.02	0.05

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2483	2403	5228	2036	0.020	0.145

	Area	F	Ap
	acres	in/hr	%
Totals:	261.78	0.30	95%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	14	6.15	89	0.10	0.15	0.03	0.17	0.62
B	14	0.02	89	0.10	0.15	0.03	0.00	0.00
B	21	3.58	72	1.00	0.35	0.35	1.24	3.58
B	14	4.16	89	0.10	0.15	0.03	0.12	0.42
D	14	0.92	93	0.10	0.10	0.02	0.02	0.09
B	14	1.11	89	0.10	0.15	0.03	0.03	0.11
B	21	20.31	72	1.00	0.35	0.35	7.01	20.31
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	21	11.93	72	1.00	0.35	0.35	4.12	11.93
B	21	27.38	72	1.00	0.35	0.35	9.46	27.38
D	21	12.58	85	1.00	0.20	0.20	2.46	12.58
B	21	0.15	72	1.00	0.35	0.35	0.05	0.15
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	80.58	72	1.00	0.35	0.35	27.83	80.58
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	21	12.14	72	1.00	0.35	0.35	4.19	12.14
B	21	0.53	72	1.00	0.35	0.35	0.18	0.53
D	21	5.18	85	1.00	0.20	0.20	1.01	5.18
D	14	1.38	93	0.10	0.10	0.02	0.03	0.14
B	21	0.32	72	1.00	0.35	0.35	0.11	0.32
B	21	15.66	72	1.00	0.35	0.35	5.41	15.66
D	21	23.97	85	1.00	0.20	0.20	4.69	23.97
B	21	10.88	72	1.00	0.35	0.35	3.76	10.88
B	21	19.04	72	1.00	0.35	0.35	6.58	19.04
B	21	2.88	72	1.00	0.35	0.35	0.99	2.88
B	14	0.92	89	0.10	0.15	0.03	0.03	0.09
B	14	0.00	89	0.10	0.15	0.03	0.00	0.00

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2343	2293	2340	1184	0.018	0.073

	Area	F	Ap
	acres	in/hr	%
Totals:	23.45	0.21	65%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.90	73	0.65	0.33	0.23	0.21	0.58
B	21	0.98	73	0.65	0.33	0.23	0.23	0.64
D	21	3.55	86	0.65	0.18	0.13	0.45	2.31
B	21	12.00	73	0.65	0.33	0.23	2.75	7.80
B	21	0.64	73	0.65	0.33	0.23	0.15	0.41
D	21	1.27	86	0.65	0.18	0.13	0.16	0.83
B	21	0.87	73	0.65	0.33	0.23	0.20	0.57
B	21	3.24	73	0.65	0.33	0.23	0.74	2.11

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2506	2403	7036	2036	0.018	0.147

	Area	F	Ap
	acres	in/hr	%
Totals:	43.24	0.07	21%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	15	2.21	93	0.10	0.10	0.02	0.04	0.22
D	14	0.26	93	0.10	0.10	0.02	0.00	0.03
D	15	0.56	93	0.10	0.10	0.02	0.01	0.06
B	15	1.06	88	0.10	0.16	0.03	0.03	0.11
B	15	0.22	88	0.10	0.16	0.03	0.01	0.02
B	11	0.09	73	0.50	0.33	0.18	0.02	0.04
B	21	1.29	72	1.00	0.35	0.35	0.45	1.29
D	21	0.64	85	1.00	0.20	0.20	0.13	0.64
B	11	0.32	73	0.50	0.33	0.18	0.06	0.16
B	11	1.72	73	0.50	0.33	0.18	0.32	0.86
B	11	1.19	73	0.50	0.33	0.18	0.22	0.60
B	21	0.58	72	1.00	0.35	0.35	0.20	0.58
B	14	7.53	89	0.10	0.15	0.03	0.21	0.75
B	15	1.89	88	0.10	0.16	0.03	0.06	0.19
B	15	6.91	88	0.10	0.16	0.03	0.21	0.69
B	14	3.65	89	0.10	0.15	0.03	0.10	0.36
D	14	0.01	93	0.10	0.10	0.02	0.00	0.00
B	15	4.60	88	0.10	0.16	0.03	0.14	0.46
B	11	0.07	73	0.50	0.33	0.18	0.01	0.03
B	11	0.21	73	0.50	0.33	0.18	0.04	0.10
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
D	14	0.34	93	0.10	0.10	0.02	0.01	0.03
B	14	0.97	89	0.10	0.15	0.03	0.03	0.10
D	14	0.01	93	0.10	0.10	0.02	0.00	0.00
B	14	0.67	89	0.10	0.15	0.03	0.02	0.07
B	21	0.22	72	1.00	0.35	0.35	0.08	0.22
B	15	2.92	88	0.10	0.16	0.03	0.09	0.29
B	21	0.12	72	1.00	0.35	0.35	0.04	0.12
B	21	1.02	72	1.00	0.35	0.35	0.35	1.02
B	14	0.74	89	0.10	0.15	0.03	0.02	0.07
B	14	0.41	89	0.10	0.15	0.03	0.01	0.04
B	14	0.81	89	0.10	0.15	0.03	0.02	0.08
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2483	2409	3807	1409	0.022	0.117

	Area					F	Ap
	acres					in/hr	%
Totals:	40.11					0.34	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.03	72	1.00	0.35	0.35	0.01	0.03
B	21	0.26	72	1.00	0.35	0.35	0.09	0.26
D	21	0.96	85	1.00	0.20	0.20	0.19	0.96
B	21	4.77	72	1.00	0.35	0.35	1.65	4.77
B	21	34.09	72	1.00	0.35	0.35	11.77	34.09

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2407	2406	1249	620	0.022	0.103

	Area	F	Ap
	acres	in/hr	%
Totals:	2.53	0.34	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.22	72	1.00	0.35	0.35	0.07	0.22
B	21	0.59	72	1.00	0.35	0.35	0.20	0.59
B	21	1.47	72	1.00	0.35	0.35	0.51	1.47
B	21	0.09	72	1.00	0.35	0.35	0.03	0.09
D	21	0.17	85	1.00	0.20	0.20	0.03	0.17

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2403	2334	3495	2751	0.022	0.146

	Area				F	Ap
	acres				in/hr	%
Totals:	41.94				0.28	99%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.01	73	0.50	0.33	0.18	0.00	0.01
D	21	6.22	85	1.00	0.20	0.20	1.22	6.22
B	21	0.92	72	1.00	0.35	0.35	0.32	0.92
D	21	8.12	85	1.00	0.20	0.20	1.59	8.12
B	11	0.04	73	0.50	0.33	0.18	0.01	0.02
B	21	0.13	72	1.00	0.35	0.35	0.04	0.13
B	21	3.47	72	1.00	0.35	0.35	1.20	3.47
B	11	0.70	73	0.50	0.33	0.18	0.13	0.35
B	21	1.84	72	1.00	0.35	0.35	0.64	1.84
B	21	0.05	72	1.00	0.35	0.35	0.02	0.05
D	21	0.80	85	1.00	0.20	0.20	0.16	0.80
B	21	1.06	72	1.00	0.35	0.35	0.37	1.06
B	11	0.42	73	0.50	0.33	0.18	0.08	0.21
B	21	8.11	72	1.00	0.35	0.35	2.80	8.11
D	21	2.20	85	1.00	0.20	0.20	0.43	2.20
B	21	0.17	72	1.00	0.35	0.35	0.06	0.17
B	21	2.80	72	1.00	0.35	0.35	0.97	2.80
B	21	4.79	72	1.00	0.35	0.35	1.65	4.79
B	21	0.06	72	1.00	0.35	0.35	0.02	0.06
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2398	2375	1357	773	0.018	0.053

	Area				F	Ap
	acres				in/hr	%
Totals:	11.51				0.09	20%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.74	73	0.20	0.33	0.09	0.26	0.55
B	21	1.39	73	0.20	0.33	0.09	0.13	0.28
B	21	0.13	73	0.20	0.33	0.09	0.01	0.03
B	21	0.68	73	0.20	0.33	0.09	0.06	0.14
B	21	4.93	73	0.20	0.33	0.09	0.46	0.99
B	21	1.64	73	0.20	0.33	0.09	0.15	0.33

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2403	2378	1515	1014	0.018	0.061

	Area				F	Ap
	acres				in/hr	%
Totals:	13.94				0.09	20%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	4.42	73	0.20	0.33	0.09	0.41	0.88
B	21	0.89	73	0.20	0.33	0.09	0.08	0.18
B	21	0.49	73	0.20	0.33	0.09	0.05	0.10
D	21	0.75	86	0.20	0.18	0.05	0.04	0.15
B	21	0.32	73	0.20	0.33	0.09	0.03	0.06
B	21	0.21	73	0.20	0.33	0.09	0.02	0.04
B	21	0.01	73	0.20	0.33	0.09	0.00	0.00
B	21	3.22	73	0.20	0.33	0.09	0.30	0.64
B	21	2.27	73	0.20	0.33	0.09	0.21	0.45
B	21	0.44	73	0.20	0.33	0.09	0.04	0.09
D	21	0.92	86	0.20	0.18	0.05	0.05	0.18

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2378	2358	707	449	0.040	0.068

	Area					F	Ap
	acres					in/hr	%
Totals:	5.19					0.34	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.02	85	1.00	0.20	0.20	0.00	0.02
B	21	0.13	72	1.00	0.35	0.35	0.04	0.13
B	21	0.89	72	1.00	0.35	0.35	0.31	0.89
B	21	0.71	72	1.00	0.35	0.35	0.24	0.71
B	21	3.44	72	1.00	0.35	0.35	1.19	3.44

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2371	2347	1069	897	0.018	0.048

	Area					F	Ap
	acres					in/hr	%
Totals:	4.56					0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.25	72	1.00	0.35	0.35	0.78	2.25
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	21	0.53	72	1.00	0.35	0.35	0.18	0.53
B	21	1.76	72	1.00	0.35	0.35	0.61	1.76

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2403	2339	2928	989	0.020	0.082

	Area					F	Ap
	acres					in/hr	%
Totals:	5.12					0.07	39%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.79	89	0.39	0.15	0.07	0.05	0.30
B	21	0.63	89	0.39	0.15	0.07	0.04	0.24
B	21	0.65	89	0.39	0.15	0.07	0.04	0.25
B	21	1.15	89	0.39	0.15	0.07	0.08	0.45
B	21	1.91	89	0.39	0.15	0.07	0.13	0.74

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2405	2343	2457	1056	0.020	0.077

	Area				F	Ap
	acres				in/hr	%
Totals:	20.43				0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.45	72	1.00	0.35	0.35	0.16	0.45
B	21	6.26	72	1.00	0.35	0.35	2.16	6.26
B	21	0.61	72	1.00	0.35	0.35	0.21	0.61
B	21	1.12	72	1.00	0.35	0.35	0.39	1.12
B	21	0.42	72	1.00	0.35	0.35	0.14	0.42
B	21	9.49	72	1.00	0.35	0.35	3.28	9.49
B	21	1.88	72	1.00	0.35	0.35	0.65	1.88
B	21	0.20	72	1.00	0.35	0.35	0.07	0.20

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2406	2335	3360	1521	0.018	0.093

	Area					F	Ap
	acres					in/hr	%
Totals:	9.11					0.37	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.05	84	1.00	0.21	0.21	0.01	0.05
B	21	2.43	69	1.00	0.38	0.38	0.92	2.43
B	21	0.26	69	1.00	0.38	0.38	0.10	0.26
B	21	0.00	69	1.00	0.38	0.38	0.00	0.00
D	21	0.00	84	1.00	0.21	0.21	0.00	0.00
B	21	0.23	69	1.00	0.38	0.38	0.09	0.23
B	21	0.05	69	1.00	0.38	0.38	0.02	0.05
D	21	0.35	84	1.00	0.21	0.21	0.07	0.35
B	21	4.88	69	1.00	0.38	0.38	1.85	4.88
B	21	0.86	69	1.00	0.38	0.38	0.33	0.86

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2389	2370	913	380	0.018	0.033

	Area					F	Ap
	acres					in/hr	%
Totals:	8.68					0.10	20%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.16	72	0.20	0.35	0.10	0.21	0.43
B	21	6.30	72	0.20	0.35	0.10	0.61	1.26
B	21	0.11	72	0.20	0.35	0.10	0.01	0.02
B	21	0.11	72	0.20	0.35	0.10	0.01	0.02

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2423	2387	1915	784	0.018	0.059

	Area				F	Ap
	acres				in/hr	%
Totals:	22.03				0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.08	72	1.00	0.35	0.35	0.03	0.08
B	21	2.29	72	1.00	0.35	0.35	0.79	2.29
B	21	0.38	72	1.00	0.35	0.35	0.13	0.38
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	0.21	72	1.00	0.35	0.35	0.07	0.21
B	21	4.40	72	1.00	0.35	0.35	1.52	4.40
B	21	0.53	72	1.00	0.35	0.35	0.18	0.53
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	12.86	72	1.00	0.35	0.35	4.44	12.86
B	21	1.29	72	1.00	0.35	0.35	0.44	1.29

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2459	2398	3029	1677	0.018	0.093

	Area	F	Ap
	acres	in/hr	%
Totals:	55.31	0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	11	1.56	73	0.50	0.33	0.18	0.29	0.78
B	11	10.75	73	0.50	0.33	0.18	1.98	5.38
B	11	0.85	73	0.50	0.33	0.18	0.16	0.43
B	11	3.28	73	0.50	0.33	0.18	0.60	1.64
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	21	0.03	72	1.00	0.35	0.35	0.01	0.03
B	11	3.25	73	0.50	0.33	0.18	0.60	1.62
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	11	0.24	73	0.50	0.33	0.18	0.04	0.12
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	11	9.41	73	0.50	0.33	0.18	1.73	4.71
B	11	0.70	73	0.50	0.33	0.18	0.13	0.35
B	11	18.82	73	0.50	0.33	0.18	3.46	9.41
B	11	4.65	73	0.50	0.33	0.18	0.86	2.33
B	11	0.40	73	0.50	0.33	0.18	0.07	0.20
B	11	0.77	73	0.50	0.33	0.18	0.14	0.38
B	11	0.47	73	0.50	0.33	0.18	0.09	0.23
B	21	0.04	72	1.00	0.35	0.35	0.01	0.04

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2395	2363	2280	1354	0.018	0.083

	Area					F	Ap
	acres					in/hr	%
Totals:	5.96					0.07	41%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.89	89	0.41	0.15	0.07	0.13	0.78
B	21	0.46	89	0.41	0.15	0.07	0.03	0.19
B	21	0.95	89	0.41	0.15	0.07	0.07	0.39
B	21	1.79	89	0.41	0.15	0.07	0.12	0.74
B	21	0.27	89	0.41	0.15	0.07	0.02	0.11
B	21	0.59	89	0.41	0.15	0.07	0.04	0.24

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2384	2364	1288	597	0.018	0.048

	Area				F	Ap
	acres				in/hr	%
Totals:	18.51				0.09	20%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	9.90	73	0.20	0.33	0.09	0.93	1.98
B	21	3.06	73	0.20	0.33	0.09	0.29	0.61
B	21	2.16	73	0.20	0.33	0.09	0.20	0.43
B	21	0.04	73	0.20	0.33	0.09	0.00	0.01
B	21	3.36	73	0.20	0.33	0.09	0.31	0.67

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2498	2388	4257	1318	0.018	0.092

	Area				F	Ap
	acres				in/hr	%
Totals:	124.17				0.17	48%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.11	72	1.00	0.35	0.35	0.38	1.11
B	14	1.40	89	0.10	0.15	0.03	0.04	0.14
B	15	0.85	88	0.10	0.16	0.03	0.03	0.08
B	14	14.68	89	0.10	0.15	0.03	0.41	1.47
B	11	1.43	73	0.50	0.33	0.18	0.26	0.72
B	14	4.23	89	0.10	0.15	0.03	0.12	0.42
B	21	3.33	72	1.00	0.35	0.35	1.15	3.33
B	21	11.31	72	1.00	0.35	0.35	3.91	11.31
B	11	3.40	73	0.50	0.33	0.18	0.63	1.70
B	11	0.69	73	0.50	0.33	0.18	0.13	0.35
B	15	6.26	88	0.10	0.16	0.03	0.19	0.63
B	11	1.45	73	0.50	0.33	0.18	0.27	0.73
B	11	16.72	73	0.50	0.33	0.18	3.07	8.36
B	11	0.17	73	0.50	0.33	0.18	0.03	0.09
B	21	1.70	72	1.00	0.35	0.35	0.59	1.70
B	21	1.09	72	1.00	0.35	0.35	0.38	1.09
B	11	2.07	73	0.50	0.33	0.18	0.38	1.03
B	11	0.22	73	0.50	0.33	0.18	0.04	0.11
B	21	2.11	72	1.00	0.35	0.35	0.73	2.11
B	11	1.34	73	0.50	0.33	0.18	0.25	0.67
B	11	0.92	73	0.50	0.33	0.18	0.17	0.46
B	21	0.92	72	1.00	0.35	0.35	0.32	0.92
B	21	0.26	72	1.00	0.35	0.35	0.09	0.26
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	21	1.38	72	1.00	0.35	0.35	0.48	1.38
B	11	0.17	73	0.50	0.33	0.18	0.03	0.09
B	11	0.33	73	0.50	0.33	0.18	0.06	0.16
B	21	1.30	72	1.00	0.35	0.35	0.45	1.30
B	11	29.32	73	0.50	0.33	0.18	5.39	14.66
B	14	1.58	89	0.10	0.15	0.03	0.04	0.16
B	14	0.56	89	0.10	0.15	0.03	0.02	0.06
B	14	2.28	89	0.10	0.15	0.03	0.06	0.23
B	15	1.54	88	0.10	0.16	0.03	0.05	0.15
B	21	0.16	72	1.00	0.35	0.35	0.06	0.16
B	15	2.27	88	0.10	0.16	0.03	0.07	0.23
B	11	2.43	73	0.50	0.33	0.18	0.45	1.21
B	11	0.13	73	0.50	0.33	0.18	0.02	0.07
B	11	3.06	73	0.50	0.33	0.18	0.56	1.53

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2383	2363	1341	673	0.040	0.114

	Area			F	Ap
	acres			in/hr	%
Totals:	3.66			0.09	54%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.00	89	0.54	0.15	0.09	0.00	0.00
B	21	0.00	89	0.54	0.15	0.09	0.00	0.00
B	11	0.13	89	0.54	0.15	0.09	0.01	0.07
B	21	0.06	89	0.54	0.15	0.09	0.01	0.03
B	11	0.02	89	0.54	0.15	0.09	0.00	0.01
B	21	0.05	89	0.54	0.15	0.09	0.00	0.03
B	21	0.02	89	0.54	0.15	0.09	0.00	0.01
B	11	0.65	89	0.54	0.15	0.09	0.06	0.35
B	21	0.79	89	0.54	0.15	0.09	0.07	0.43
B	21	1.94	89	0.54	0.15	0.09	0.17	1.06

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2390	2381	976	533	0.018	0.045

	Area					F	Ap
	acres					in/hr	%
Totals:	9.33					0.06	10%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	1.84	73	0.10	0.33	0.06	0.12	0.18
B	21	2.36	73	0.10	0.33	0.06	0.15	0.24
B	21	2.04	73	0.10	0.33	0.06	0.13	0.20
B	21	3.04	73	0.10	0.33	0.06	0.19	0.30
B	11	0.04	73	0.10	0.33	0.06	0.00	0.00

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2364	2347	1016	496	0.030	0.067

	Area			F	Ap
	acres			in/hr	%
Totals:	3.60			0.08	51%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.00	89	0.51	0.15	0.08	0.00	0.00
B	21	0.76	89	0.51	0.15	0.08	0.06	0.39
B	21	2.33	89	0.51	0.15	0.08	0.19	1.20
B	21	0.51	89	0.51	0.15	0.08	0.04	0.26

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2388	2349	1865	583	0.020	0.057

	Area	F	Ap
	acres	in/hr	%
Totals:	25.98	0.31	85%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	7.90	69	0.85	0.38	0.33	2.58	6.71
B	21	3.53	69	0.85	0.38	0.33	1.16	3.00
B	21	3.99	69	0.85	0.38	0.33	1.30	3.39
D	21	0.00	84	0.85	0.21	0.18	0.00	0.00
D	21	3.43	84	0.85	0.21	0.18	0.62	2.92
B	21	6.82	69	0.85	0.38	0.33	2.23	5.79
B	21	0.32	69	0.85	0.38	0.33	0.10	0.27
D	14	0.00	84	0.85	0.21	0.18	0.00	0.00

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2393	2356	2508	1473	0.020	0.097

	Area					F	Ap
	acres					in/hr	%
Totals:	6.25					0.28	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	1.21	84	1.00	0.21	0.21	0.25	1.21
B	21	0.41	69	1.00	0.38	0.38	0.15	0.41
D	21	2.49	84	1.00	0.21	0.21	0.52	2.49
B	21	0.30	69	1.00	0.38	0.38	0.11	0.30
B	21	1.85	69	1.00	0.38	0.38	0.70	1.85

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2333	2302	2143	1239	0.020	0.086

	Area					F	Ap
	acres					in/hr	%
Totals:	14.56					0.25	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.76	72	1.00	0.35	0.35	0.26	0.76
B	21	0.32	72	1.00	0.35	0.35	0.11	0.32
B	21	3.17	72	1.00	0.35	0.35	1.09	3.17
D	21	8.96	85	1.00	0.20	0.20	1.75	8.96
B	21	1.27	72	1.00	0.35	0.35	0.44	1.27
D	21	0.08	85	1.00	0.20	0.20	0.02	0.08

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2403	2341	1824	818	0.018	0.053

	Area					F	Ap
	acres					in/hr	%
Totals:	28.35					0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.39	72	1.00	0.35	0.35	0.13	0.39
B	21	2.30	72	1.00	0.35	0.35	0.79	2.30
B	21	0.54	72	1.00	0.35	0.35	0.19	0.54
B	21	1.57	72	1.00	0.35	0.35	0.54	1.57
B	21	0.02	72	1.00	0.35	0.35	0.01	0.02
B	21	0.69	72	1.00	0.35	0.35	0.24	0.69
B	21	22.62	72	1.00	0.35	0.35	7.81	22.62
B	21	0.24	72	1.00	0.35	0.35	0.08	0.24

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2404	2347	3648	2512	0.020	0.136

	Area				F	Ap
	acres				in/hr	%
Totals:	12.36				0.31	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	2.67	85	1.00	0.20	0.20	0.52	2.67
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	2.70	72	1.00	0.35	0.35	0.93	2.70
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	0.47	72	1.00	0.35	0.35	0.16	0.47
B	21	0.04	72	1.00	0.35	0.35	0.01	0.04
D	21	0.41	85	1.00	0.20	0.20	0.08	0.41
B	21	5.30	72	1.00	0.35	0.35	1.83	5.30
B	21	0.19	72	1.00	0.35	0.35	0.07	0.19
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	0.03	72	1.00	0.35	0.35	0.01	0.03
B	21	0.05	72	1.00	0.35	0.35	0.02	0.05
B	21	0.50	72	1.00	0.35	0.35	0.17	0.50

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2341	2298	3092	1934	0.040	0.236

	Area				F	Ap
	acres				in/hr	%
Totals:	26.73				0.23	65%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	7.50	73	0.65	0.33	0.23	1.72	4.87
B	21	3.37	73	0.65	0.33	0.23	0.77	2.19
B	21	0.05	73	0.65	0.33	0.23	0.01	0.03
B	21	1.69	73	0.65	0.33	0.23	0.39	1.10
B	21	1.71	73	0.65	0.33	0.23	0.39	1.11
B	21	1.40	73	0.65	0.33	0.23	0.32	0.91
B	21	0.85	73	0.65	0.33	0.23	0.19	0.55
B	21	5.78	73	0.65	0.33	0.23	1.32	3.76
B	21	1.87	73	0.65	0.33	0.23	0.43	1.22
B	21	1.75	73	0.65	0.33	0.23	0.40	1.14
B	21	0.77	73	0.65	0.33	0.23	0.18	0.50

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2330	2302	1870	1202	0.018	0.072

	Area					F	Ap
	acres					in/hr	%
Totals:	15.84					0.23	65%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.15	73	0.65	0.33	0.23	0.03	0.10
B	21	0.31	73	0.65	0.33	0.23	0.07	0.20
B	21	1.18	73	0.65	0.33	0.23	0.27	0.77
B	21	0.29	73	0.65	0.33	0.23	0.07	0.19
B	21	2.27	73	0.65	0.33	0.23	0.52	1.48
B	21	6.90	73	0.65	0.33	0.23	1.58	4.48
B	21	4.75	73	0.65	0.33	0.23	1.09	3.08

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2404	2355	1398	404	0.018	0.036

	Area				F	Ap
	acres				in/hr	%
Totals:	11.57				0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.88	72	1.00	0.35	0.35	0.30	0.88
B	21	4.38	72	1.00	0.35	0.35	1.51	4.38
B	21	0.35	72	1.00	0.35	0.35	0.12	0.35
B	21	3.36	72	1.00	0.35	0.35	1.16	3.36
B	21	2.58	72	1.00	0.35	0.35	0.89	2.58

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2335	2304	2284	1412	0.018	0.085

	Area					F	Ap
	acres					in/hr	%
Totals:	5.40					0.38	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.02	69	1.00	0.38	0.38	0.01	0.02
B	21	0.88	69	1.00	0.38	0.38	0.33	0.88
B	21	0.64	69	1.00	0.38	0.38	0.24	0.64
B	21	3.87	69	1.00	0.38	0.38	1.46	3.87

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2311	2298	1420	704	0.040	0.130

	Area	F	Ap
	acres	in/hr	%
Totals:	2.78	0.06	39%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.36	89	0.39	0.15	0.07	0.02	0.14
D	21	0.31	93	0.39	0.10	0.04	0.01	0.12
B	21	0.71	89	0.39	0.15	0.07	0.05	0.28
B	21	0.36	89	0.39	0.15	0.07	0.02	0.14
B	21	0.13	89	0.39	0.15	0.07	0.01	0.05
B	21	0.92	89	0.39	0.15	0.07	0.06	0.36

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2349	2340	829	508	0.018	0.041

	Area					F	Ap
	acres					in/hr	%
Totals:	7.67					0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	3.39	73	0.50	0.33	0.18	0.62	1.70
B	21	0.09	73	0.50	0.33	0.18	0.02	0.04
B	21	3.26	73	0.50	0.33	0.18	0.60	1.63
B	21	0.93	73	0.50	0.33	0.18	0.17	0.46

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2337	2305	1340	506	0.020	0.047

	Area					F	Ap
	acres					in/hr	%
Totals:	21.99					0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.07	86	0.50	0.18	0.10	0.01	0.04
D	21	0.43	86	0.50	0.18	0.10	0.04	0.22
B	21	2.24	73	0.50	0.33	0.18	0.41	1.12
B	21	2.30	73	0.50	0.33	0.18	0.42	1.15
B	21	0.27	73	0.50	0.33	0.18	0.05	0.13
B	21	1.35	73	0.50	0.33	0.18	0.25	0.67
B	21	5.97	73	0.50	0.33	0.18	1.10	2.99
B	21	6.40	73	0.50	0.33	0.18	1.18	3.20
B	21	2.17	73	0.50	0.33	0.18	0.40	1.09
B	21	0.77	73	0.50	0.33	0.18	0.14	0.39

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2349	2301	2110	1237	0.020	0.079

	Area					F	Ap
	acres					in/hr	%
Totals:	5.95					0.26	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.17	69	1.00	0.38	0.38	0.07	0.17
B	21	0.57	69	1.00	0.38	0.38	0.21	0.57
B	21	0.36	69	1.00	0.38	0.38	0.14	0.36
B	21	0.12	69	1.00	0.38	0.38	0.05	0.12
B	21	0.14	69	1.00	0.38	0.38	0.05	0.14
D	21	3.42	84	1.00	0.21	0.21	0.71	3.42
B	21	0.35	69	1.00	0.38	0.38	0.13	0.35
D	21	0.81	84	1.00	0.21	0.21	0.17	0.81

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2297	2258	3197	2118	0.018	0.114

	Area				F	Ap
	acres				in/hr	%
Totals:	11.49				0.30	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	21	1.50	57	1.00	0.51	0.51	0.76	1.50
B	21	0.38	72	1.00	0.35	0.35	0.13	0.38
B	21	0.03	72	1.00	0.35	0.35	0.01	0.03
B	21	1.09	72	1.00	0.35	0.35	0.38	1.09
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.54	72	1.00	0.35	0.35	0.19	0.54
B	21	0.04	72	1.00	0.35	0.35	0.01	0.04
D	21	5.14	85	1.00	0.20	0.20	1.01	5.14
B	21	2.75	72	1.00	0.35	0.35	0.95	2.75

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2386	2352	1662	784	0.018	0.055

	Area				F	Ap
	acres				in/hr	%
Totals:	39.70				0.31	89%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	13.50	72	1.00	0.35	0.35	4.66	13.50
B	11	0.78	73	0.50	0.33	0.18	0.14	0.39
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	11	1.13	73	0.50	0.33	0.18	0.21	0.56
B	11	0.07	73	0.50	0.33	0.18	0.01	0.04
B	21	1.57	72	1.00	0.35	0.35	0.54	1.57
B	21	0.67	72	1.00	0.35	0.35	0.23	0.67
B	11	0.54	73	0.50	0.33	0.18	0.10	0.27
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	11	1.38	73	0.50	0.33	0.18	0.25	0.69
B	11	4.67	73	0.50	0.33	0.18	0.86	2.33
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	2.96	72	1.00	0.35	0.35	1.02	2.96
B	21	12.43	72	1.00	0.35	0.35	4.29	12.43

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2351	2346	626	282	0.018	0.031

	Area	F	Ap
	acres	in/hr	%
Totals:	18.29	0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	6.61	72	1.00	0.35	0.35	2.28	6.61
B	21	0.41	72	1.00	0.35	0.35	0.14	0.41
B	21	1.68	72	1.00	0.35	0.35	0.58	1.68
B	21	3.06	72	1.00	0.35	0.35	1.06	3.06
B	21	5.89	72	1.00	0.35	0.35	2.03	5.89
B	21	0.60	72	1.00	0.35	0.35	0.21	0.60
B	21	0.05	72	1.00	0.35	0.35	0.02	0.05

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2297	2263	2128	1546	0.040	0.183

	Area					F	Ap
	acres					in/hr	%
Totals:	17.16					0.23	65%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	3.23	73	0.65	0.33	0.23	0.74	2.10
B	21	0.34	73	0.65	0.33	0.23	0.08	0.22
B	21	4.73	73	0.65	0.33	0.23	1.08	3.08
B	21	8.86	73	0.65	0.33	0.23	2.03	5.76

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2345	2320	1257	549	0.040	0.097

	Area				F	Ap
	acres				in/hr	%
Totals:	26.88				0.12	30%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.61	73	0.30	0.33	0.12	0.08	0.18
B	21	2.45	73	0.30	0.33	0.12	0.30	0.73
B	21	0.00	73	0.30	0.33	0.12	0.00	0.00
B	21	12.95	73	0.30	0.33	0.12	1.60	3.89
B	21	3.12	73	0.30	0.33	0.12	0.39	0.94
B	21	0.59	73	0.30	0.33	0.12	0.07	0.18
B	21	1.17	73	0.30	0.33	0.12	0.14	0.35
B	21	2.08	73	0.30	0.33	0.12	0.26	0.62
B	21	3.91	73	0.30	0.33	0.12	0.48	1.17

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2300	2263	2615	1302	0.018	0.086

	Area					F	Ap
	acres					in/hr	%
Totals:	6.02					0.37	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.00	84	1.00	0.21	0.21	0.00	0.00
D	21	0.15	84	1.00	0.21	0.21	0.03	0.15
D	21	0.02	84	1.00	0.21	0.21	0.00	0.02
B	21	5.84	69	1.00	0.38	0.38	2.21	5.84

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2345	2279	3426	1134	0.018	0.085

	Area					F	Ap
	acres					in/hr	%
Totals:	7.17					0.08	51%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.57	89	0.51	0.15	0.08	0.21	1.32
B	21	0.40	89	0.51	0.15	0.08	0.03	0.21
B	21	0.08	89	0.51	0.15	0.08	0.01	0.04
B	21	1.69	89	0.51	0.15	0.08	0.14	0.87
B	21	0.13	89	0.51	0.15	0.08	0.01	0.07
B	21	0.30	89	0.51	0.15	0.08	0.02	0.15
B	21	1.05	89	0.51	0.15	0.08	0.09	0.54
B	21	0.11	89	0.51	0.15	0.08	0.01	0.06
B	21	0.18	89	0.51	0.15	0.08	0.01	0.09
B	21	0.66	89	0.51	0.15	0.08	0.05	0.34

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2323	2312	1405	596	0.018	0.056

	Area					F	Ap
	acres					in/hr	%
Totals:	4.54					0.38	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.64	69	1.00	0.38	0.38	0.24	0.64
B	21	0.02	69	1.00	0.38	0.38	0.01	0.02
B	21	0.23	69	1.00	0.38	0.38	0.09	0.23
B	21	1.66	69	1.00	0.38	0.38	0.63	1.66
B	21	0.86	69	1.00	0.38	0.38	0.33	0.86
B	21	0.66	69	1.00	0.38	0.38	0.25	0.66
B	21	0.47	69	1.00	0.38	0.38	0.18	0.47

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2308	2290	1088	499	0.018	0.041

	Area	F	Ap
	acres	in/hr	%
Totals:	20.00	0.20	55%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	3.61	73	0.55	0.33	0.20	0.72	1.99
B	21	3.31	73	0.55	0.33	0.20	0.66	1.82
B	21	0.07	73	0.55	0.33	0.20	0.01	0.04
B	21	9.51	73	0.55	0.33	0.20	1.89	5.23
B	21	3.49	73	0.55	0.33	0.20	0.69	1.92

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2292	2273	1005	486	0.040	0.086

	Area				F	Ap
	acres				in/hr	%
Totals:	16.33				0.23	65%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.16	73	0.65	0.33	0.23	0.04	0.11
B	21	8.15	73	0.65	0.33	0.23	1.87	5.30
B	21	0.37	73	0.65	0.33	0.23	0.08	0.24
B	21	2.95	73	0.65	0.33	0.23	0.67	1.92
B	21	0.19	73	0.65	0.33	0.23	0.04	0.13
B	21	4.47	73	0.65	0.33	0.23	1.02	2.91
B	21	0.04	73	0.65	0.33	0.23	0.01	0.02

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2278	2251	1193	679	0.022	0.055

	Area					F	Ap
	acres					in/hr	%
Totals:	18.36					0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.07	73	0.50	0.33	0.18	0.01	0.04
B	21	3.12	73	0.50	0.33	0.18	0.57	1.56
B	21	15.17	73	0.50	0.33	0.18	2.79	7.59

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2297	2254	3262	2309	0.018	0.117

	Area					F	Ap
	acres					in/hr	%
Totals:	7.69					0.34	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.37	84	1.00	0.21	0.21	0.08	0.37
D	21	0.01	84	1.00	0.21	0.21	0.00	0.01
D	21	1.19	84	1.00	0.21	0.21	0.25	1.19
B	21	0.15	69	1.00	0.38	0.38	0.06	0.15
B	21	5.44	69	1.00	0.38	0.38	2.06	5.44
B	21	0.43	69	1.00	0.38	0.38	0.16	0.43
A	21	0.02	49	1.00	0.59	0.59	0.01	0.02
D	21	0.10	84	1.00	0.21	0.21	0.02	0.10

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	3044	2235	4288	2151	0.018	0.076

	Area	F	Ap
	acres	in/hr	%
Totals:	56.87	0.34	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	21	0.17	57	1.00	0.51	0.51	0.09	0.17
D	21	1.48	85	1.00	0.20	0.20	0.29	1.48
B	21	0.48	72	1.00	0.35	0.35	0.16	0.48
D	32	3.50	74	1.00	0.32	0.32	1.13	3.50
D	21	1.09	85	1.00	0.20	0.20	0.21	1.09
D	32	8.55	74	1.00	0.32	0.32	2.76	8.55
C	21	5.36	80	1.00	0.25	0.25	1.36	5.36
B	21	1.05	72	1.00	0.35	0.35	0.36	1.05
C	32	27.40	68	1.00	0.39	0.39	10.67	27.40
B	32	2.34	57	1.00	0.51	0.51	1.18	2.34
B	21	0.13	72	1.00	0.35	0.35	0.04	0.13
D	32	1.34	74	1.00	0.32	0.32	0.43	1.34
D	21	3.91	85	1.00	0.20	0.20	0.77	3.91
B	21	0.07	72	1.00	0.35	0.35	0.02	0.07

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2264	2244	876	396	0.040	0.073

	Area					F	Ap
	acres					in/hr	%
Totals:	21.63					0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.05	86	0.50	0.18	0.10	0.01	0.03
B	21	21.58	73	0.50	0.33	0.18	3.97	10.79

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2246	2234	730	337	0.020	0.034

	Area					F	Ap
	acres					in/hr	%
Totals:	12.22					0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	12.21	73	0.50	0.33	0.18	2.24	6.10
B	21	0.01	73	0.50	0.33	0.18	0.00	0.01

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2252	2233	1779	768	0.018	0.064

	Area					F	Ap
	acres					in/hr	%
Totals:	3.99					0.32	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	32	0.00	84	1.00	0.21	0.21	0.00	0.00
B	32	0.00	69	1.00	0.38	0.38	0.00	0.00
B	21	2.52	69	1.00	0.38	0.38	0.96	2.52
D	21	0.13	84	1.00	0.21	0.21	0.03	0.13
D	21	1.34	84	1.00	0.21	0.21	0.28	1.34

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
3689	2439	22128	11672	0.018	0.341

	Area	F	Ap
	acres	in/hr	%
Totals:	1348.11	0.31	86%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	11	0.17	86	0.50	0.18	0.10	0.02	0.08
B	11	1.55	73	0.50	0.33	0.18	0.29	0.78
B	32	3.27	57	1.00	0.51	0.51	1.65	3.27
B	42	0.19	60	1.00	0.47	0.47	0.09	0.19
B	32	0.13	57	1.00	0.51	0.51	0.07	0.13
B	42	0.01	60	1.00	0.47	0.47	0.01	0.01
D	32	0.25	74	1.00	0.32	0.32	0.08	0.25
D	21	0.00	85	1.00	0.20	0.20	0.00	0.00
B	32	1.76	57	1.00	0.51	0.51	0.89	1.76
B	32	0.67	57	1.00	0.51	0.51	0.34	0.67
B	42	0.05	60	1.00	0.47	0.47	0.02	0.05
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
C	42	10.74	73	1.00	0.33	0.33	3.59	10.74
D	33	0.11	81	1.00	0.24	0.24	0.03	0.11
A	42	0.01	36	1.00	0.71	0.71	0.00	0.01
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00
B	32	1.75	57	1.00	0.51	0.51	0.89	1.75
B	31	8.92	70	1.00	0.37	0.37	3.28	8.92
B	32	0.36	57	1.00	0.51	0.51	0.18	0.36
B	32	2.21	57	1.00	0.51	0.51	1.12	2.21
B	31	0.06	70	1.00	0.37	0.37	0.02	0.06
B	32	0.09	57	1.00	0.51	0.51	0.05	0.09
B	32	1.21	57	1.00	0.51	0.51	0.61	1.21
B	32	0.04	57	1.00	0.51	0.51	0.02	0.04
B	32	0.13	57	1.00	0.51	0.51	0.06	0.13
B	32	0.13	57	1.00	0.51	0.51	0.06	0.13
B	31	6.01	70	1.00	0.37	0.37	2.21	6.01
B	32	0.97	57	1.00	0.51	0.51	0.49	0.97
B	32	0.38	57	1.00	0.51	0.51	0.19	0.38
B	32	1.13	57	1.00	0.51	0.51	0.57	1.13
B	32	0.27	57	1.00	0.51	0.51	0.14	0.27
C	21	0.95	80	1.00	0.25	0.25	0.24	0.95
B	32	0.28	57	1.00	0.51	0.51	0.14	0.28
C	21	0.06	80	1.00	0.25	0.25	0.02	0.06
B	32	0.01	57	1.00	0.51	0.51	0.00	0.01
C	32	0.00	68	1.00	0.39	0.39	0.00	0.00
B	32	1.06	57	1.00	0.51	0.51	0.53	1.06
B	42	0.11	60	1.00	0.47	0.47	0.05	0.11
B	42	0.42	60	1.00	0.47	0.47	0.20	0.42
B	31	0.64	70	1.00	0.37	0.37	0.23	0.64

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	31	9.05	70	1.00	0.37	0.37	3.33	9.05
B	32	0.04	57	1.00	0.51	0.51	0.02	0.04
B	32	5.01	57	1.00	0.51	0.51	2.53	5.01
B	31	1.02	70	1.00	0.37	0.37	0.37	1.02
B	31	5.13	70	1.00	0.37	0.37	1.89	5.13
B	32	1.30	57	1.00	0.51	0.51	0.66	1.30
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
B	32	0.16	57	1.00	0.51	0.51	0.08	0.16
B	32	1.20	57	1.00	0.51	0.51	0.61	1.20
B	31	2.46	70	1.00	0.37	0.37	0.91	2.46
B	31	21.04	70	1.00	0.37	0.37	7.73	21.04
B	32	1.95	57	1.00	0.51	0.51	0.99	1.95
A	32	0.06	45	1.00	0.62	0.62	0.04	0.06
B	21	3.70	72	1.00	0.35	0.35	1.28	3.70
A	11	22.68	58	0.50	0.50	0.27	6.18	11.34
B	11	0.78	73	0.50	0.33	0.18	0.14	0.39
B	32	4.65	57	1.00	0.51	0.51	2.35	4.65
D	21	5.68	85	1.00	0.20	0.20	1.11	5.68
A	21	11.56	57	1.00	0.51	0.51	5.84	11.56
B	12	0.37	92	0.10	0.11	0.02	0.01	0.04
A	12	1.64	89	0.10	0.15	0.03	0.05	0.16
A	11	18.04	58	0.50	0.50	0.27	4.91	9.02
B	11	67.68	73	0.50	0.33	0.18	12.44	33.84
B	31	0.92	70	1.00	0.37	0.37	0.34	0.92
B	32	1.97	57	1.00	0.51	0.51	1.00	1.97
B	32	0.65	57	1.00	0.51	0.51	0.33	0.65
B	31	3.35	70	1.00	0.37	0.37	1.23	3.35
B	31	0.58	70	1.00	0.37	0.37	0.21	0.58
B	32	5.95	57	1.00	0.51	0.51	3.01	5.95
A	32	14.29	45	1.00	0.62	0.62	8.91	14.29
B	32	0.66	57	1.00	0.51	0.51	0.33	0.66
B	32	0.11	57	1.00	0.51	0.51	0.05	0.11
A	32	1.05	45	1.00	0.62	0.62	0.66	1.05
D	21	5.23	85	1.00	0.20	0.20	1.02	5.23
A	32	0.03	45	1.00	0.62	0.62	0.02	0.03
B	21	0.26	72	1.00	0.35	0.35	0.09	0.26
B	42	28.51	60	1.00	0.47	0.47	13.53	28.51
D	42	193.38	79	1.00	0.27	0.27	51.45	193.38
D	42	0.24	79	1.00	0.27	0.27	0.06	0.24
D	21	1.25	85	1.00	0.20	0.20	0.24	1.25
D	21	0.49	85	1.00	0.20	0.20	0.10	0.49
B	21	1.33	72	1.00	0.35	0.35	0.46	1.33
A	32	0.00	45	1.00	0.62	0.62	0.00	0.00
B	11	5.77	73	0.50	0.33	0.18	1.06	2.88
D	11	0.48	86	0.50	0.18	0.10	0.05	0.24
A	21	1.81	57	1.00	0.51	0.51	0.92	1.81
B	21	0.09	72	1.00	0.35	0.35	0.03	0.09
A	11	4.47	58	0.50	0.50	0.27	1.22	2.24
A	32	0.12	45	1.00	0.62	0.62	0.08	0.12
D	11	0.50	86	0.50	0.18	0.10	0.05	0.25
D	32	60.23	74	1.00	0.32	0.32	19.46	60.23
B	11	7.51	73	0.50	0.33	0.18	1.38	3.76
B	21	0.25	72	1.00	0.35	0.35	0.09	0.25
B	11	15.79	73	0.50	0.33	0.18	2.90	7.90
B	11	12.56	73	0.50	0.33	0.18	2.31	6.28
A	21	41.79	57	1.00	0.51	0.51	21.12	41.79

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.76	72	1.00	0.35	0.35	0.26	0.76
B	15	12.47	88	0.10	0.16	0.03	0.38	1.25
B	15	29.38	88	0.10	0.16	0.03	0.89	2.94
B	11	18.78	73	0.50	0.33	0.18	3.45	9.39
B	11	5.26	73	0.50	0.33	0.18	0.97	2.63
D	31	1.06	87	1.00	0.17	0.17	0.18	1.06
B	31	0.84	70	1.00	0.37	0.37	0.31	0.84
B	32	0.06	57	1.00	0.51	0.51	0.03	0.06
B	42	0.08	60	1.00	0.47	0.47	0.04	0.08
B	32	5.13	57	1.00	0.51	0.51	2.59	5.13
B	32	1.40	57	1.00	0.51	0.51	0.71	1.40
B	32	0.25	57	1.00	0.51	0.51	0.13	0.25
D	32	2.40	74	1.00	0.32	0.32	0.78	2.40
B	32	1.56	57	1.00	0.51	0.51	0.79	1.56
B	32	5.09	57	1.00	0.51	0.51	2.57	5.09
B	32	4.21	57	1.00	0.51	0.51	2.13	4.21
C	32	95.53	68	1.00	0.39	0.39	37.20	95.53
C	32	2.17	68	1.00	0.39	0.39	0.85	2.17
B	31	7.02	70	1.00	0.37	0.37	2.58	7.02
D	31	14.42	87	1.00	0.17	0.17	2.48	14.42
B	31	5.50	70	1.00	0.37	0.37	2.02	5.50
D	32	8.54	74	1.00	0.32	0.32	2.76	8.54
B	31	13.11	70	1.00	0.37	0.37	4.82	13.11
B	31	2.14	70	1.00	0.37	0.37	0.79	2.14
B	32	3.66	57	1.00	0.51	0.51	1.85	3.66
B	32	1.09	57	1.00	0.51	0.51	0.55	1.09
B	15	0.00	88	0.10	0.16	0.03	0.00	0.00
B	15	4.47	88	0.10	0.16	0.03	0.14	0.45
D	32	0.41	74	1.00	0.32	0.32	0.13	0.41
A	11	0.93	58	0.50	0.50	0.27	0.25	0.47
A	21	4.43	57	1.00	0.51	0.51	2.24	4.43
A	17	10.01	49	0.30	0.59	0.22	2.17	3.00
A	11	37.41	58	0.50	0.50	0.27	10.19	18.71
A	11	58.66	58	0.50	0.50	0.27	15.98	29.33
D	31	0.64	87	1.00	0.17	0.17	0.11	0.64
B	31	3.54	70	1.00	0.37	0.37	1.30	3.54
B	32	1.79	57	1.00	0.51	0.51	0.91	1.79
D	33	0.05	81	1.00	0.24	0.24	0.01	0.05
D	21	1.91	85	1.00	0.20	0.20	0.37	1.91
D	32	339.02	74	1.00	0.32	0.32	109.51	339.02

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2404	2359	2502	1740	0.018	0.090

	Area	F	Ap
	acres	in/hr	%
Totals:	135.15	0.19	59%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.48	72	1.00	0.35	0.35	0.16	0.48
B	15	6.59	88	0.10	0.16	0.03	0.20	0.66
D	14	1.24	93	0.10	0.10	0.02	0.02	0.12
B	15	2.88	88	0.10	0.16	0.03	0.09	0.29
B	11	6.97	73	0.50	0.33	0.18	1.28	3.48
D	14	1.28	93	0.10	0.10	0.02	0.02	0.13
D	14	0.01	93	0.10	0.10	0.02	0.00	0.00
B	15	4.72	88	0.10	0.16	0.03	0.14	0.47
B	14	0.28	89	0.10	0.15	0.03	0.01	0.03
B	14	0.00	89	0.10	0.15	0.03	0.00	0.00
B	11	5.17	73	0.50	0.33	0.18	0.95	2.58
B	21	1.61	72	1.00	0.35	0.35	0.56	1.61
D	21	2.09	85	1.00	0.20	0.20	0.41	2.09
B	21	3.36	72	1.00	0.35	0.35	1.16	3.36
D	11	0.51	86	0.50	0.18	0.10	0.05	0.25
B	21	0.18	72	1.00	0.35	0.35	0.06	0.18
B	11	2.31	73	0.50	0.33	0.18	0.42	1.15
D	11	3.12	86	0.50	0.18	0.10	0.32	1.56
B	11	0.29	73	0.50	0.33	0.18	0.05	0.15
B	11	5.45	73	0.50	0.33	0.18	1.00	2.73
B	21	0.87	72	1.00	0.35	0.35	0.30	0.87
B	11	3.44	73	0.50	0.33	0.18	0.63	1.72
B	21	0.29	72	1.00	0.35	0.35	0.10	0.29
B	11	2.76	73	0.50	0.33	0.18	0.51	1.38
D	21	7.90	85	1.00	0.20	0.20	1.55	7.90
B	11	0.04	73	0.50	0.33	0.18	0.01	0.02
D	21	0.36	85	1.00	0.20	0.20	0.07	0.36
D	11	3.36	86	0.50	0.18	0.10	0.34	1.68
B	21	3.90	72	1.00	0.35	0.35	1.35	3.90
B	11	2.59	73	0.50	0.33	0.18	0.48	1.30
B	21	22.04	72	1.00	0.35	0.35	7.61	22.04
B	11	0.06	73	0.50	0.33	0.18	0.01	0.03
B	21	8.72	72	1.00	0.35	0.35	3.01	8.72
B	14	20.00	89	0.10	0.15	0.03	0.56	2.00
D	14	2.74	93	0.10	0.10	0.02	0.05	0.27
B	21	4.73	72	1.00	0.35	0.35	1.63	4.73
B	11	2.78	73	0.50	0.33	0.18	0.51	1.39

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2359	2307	2720	1455	0.018	0.086

	Area	F	Ap
	acres	in/hr	%
Totals:	58.66	0.11	30%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	21	0.22	58	0.30	0.50	0.18	0.04	0.06
B	21	0.91	73	0.30	0.33	0.12	0.11	0.27
D	21	0.80	86	0.30	0.18	0.07	0.05	0.24
B	11	0.79	73	0.30	0.33	0.12	0.10	0.24
D	21	7.65	86	0.30	0.18	0.07	0.52	2.29
D	11	0.61	86	0.30	0.18	0.07	0.04	0.18
B	21	0.15	73	0.30	0.33	0.12	0.02	0.04
B	11	0.01	73	0.30	0.33	0.12	0.00	0.00
B	21	2.55	73	0.30	0.33	0.12	0.32	0.77
B	11	3.85	73	0.30	0.33	0.12	0.48	1.15
D	11	2.18	86	0.30	0.18	0.07	0.15	0.65
A	21	0.57	58	0.30	0.50	0.18	0.10	0.17
A	11	0.48	58	0.30	0.50	0.18	0.09	0.14
B	21	10.77	73	0.30	0.33	0.12	1.33	3.23
D	21	1.48	86	0.30	0.18	0.07	0.10	0.44
B	21	3.10	73	0.30	0.33	0.12	0.38	0.93
B	21	19.22	73	0.30	0.33	0.12	2.38	5.77
B	21	3.27	73	0.30	0.33	0.12	0.40	0.98
D	21	0.07	86	0.30	0.18	0.07	0.00	0.02

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2294	2268	836	426	0.018	0.031

	Area				F	Ap
	acres				in/hr	%
Totals:	10.87				0.34	90%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.68	69	0.90	0.38	0.34	0.92	2.41
B	21	5.23	69	0.90	0.38	0.34	1.80	4.70
B	21	2.96	69	0.90	0.38	0.34	1.02	2.67

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2318	2304	1449	777	0.040	0.134

	Area	F	Ap
	acres	in/hr	%
Totals:	2.55	0.06	39%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.03	89	0.39	0.15	0.07	0.00	0.01
D	21	0.34	93	0.39	0.10	0.04	0.01	0.13
B	21	0.56	89	0.39	0.15	0.07	0.04	0.22
B	21	0.64	89	0.39	0.15	0.07	0.04	0.25
B	21	0.99	89	0.39	0.15	0.07	0.07	0.38
B	21	0.00	89	0.39	0.15	0.07	0.00	0.00

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2354	2321	959	458	0.022	0.041

	Area	F	Ap
	acres	in/hr	%
Totals:	14.36	0.22	69%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	21	0.14	85	1.00	0.20	0.20	0.03	0.14
A	21	0.85	57	1.00	0.51	0.51	0.43	0.85
A	21	0.09	57	1.00	0.51	0.51	0.05	0.09
A	11	0.60	58	0.50	0.50	0.27	0.16	0.30
D	11	1.40	86	0.50	0.18	0.10	0.14	0.70
B	11	3.16	73	0.50	0.33	0.18	0.58	1.58
B	11	3.86	73	0.50	0.33	0.18	0.71	1.93
B	21	0.55	72	1.00	0.35	0.35	0.19	0.55
B	21	1.21	72	1.00	0.35	0.35	0.42	1.21
D	21	2.48	85	1.00	0.20	0.20	0.49	2.48

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2312	2303	291	147	0.018	0.014

	Area					F	Ap
	acres					in/hr	%
Totals:	1.08					0.38	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.00	69	1.00	0.38	0.38	0.00	0.00
B	21	1.03	69	1.00	0.38	0.38	0.39	1.03
B	11	0.05	69	1.00	0.38	0.38	0.02	0.05

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2308	2286	1431	478	0.018	0.046

	Area				F	Ap
	acres				in/hr	%
Totals:	7.07				0.07	39%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.36	89	0.39	0.15	0.07	0.02	0.14
B	21	0.59	89	0.39	0.15	0.07	0.04	0.23
D	21	0.01	93	0.39	0.10	0.04	0.00	0.01
B	21	0.44	89	0.39	0.15	0.07	0.03	0.17
B	21	0.52	89	0.39	0.15	0.07	0.03	0.20
B	21	0.68	89	0.39	0.15	0.07	0.05	0.26
B	21	2.11	89	0.39	0.15	0.07	0.14	0.82
B	21	2.04	89	0.39	0.15	0.07	0.14	0.79
B	11	0.31	89	0.39	0.15	0.07	0.02	0.12

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2346	2317	1019	518	0.018	0.037

	Area				F	Ap
	acres				in/hr	%
Totals:	12.01				0.25	72%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.98	72	1.00	0.35	0.35	0.34	0.98
B	21	4.21	72	1.00	0.35	0.35	1.45	4.21
B	11	6.82	73	0.50	0.33	0.18	1.25	3.41

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2331	2295	1042	147	0.018	0.022

	Area	F	Ap
	acres	in/hr	%
Totals:	17.09	0.25	69%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	1.33	73	0.50	0.33	0.18	0.24	0.66
B	21	2.60	72	1.00	0.35	0.35	0.90	2.60
B	21	3.07	72	1.00	0.35	0.35	1.06	3.07
B	11	2.94	73	0.50	0.33	0.18	0.54	1.47
B	21	0.33	72	1.00	0.35	0.35	0.11	0.33
B	21	0.59	72	1.00	0.35	0.35	0.20	0.59
B	11	6.24	73	0.50	0.33	0.18	1.15	3.12

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2327	2296	1746	800	0.018	0.058

	Area	F	Ap
	acres	in/hr	%
Totals:	30.70	0.12	30%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	10.56	73	0.30	0.33	0.12	1.31	3.17
B	21	0.41	73	0.30	0.33	0.12	0.05	0.12
B	21	0.69	73	0.30	0.33	0.12	0.09	0.21
B	21	5.24	73	0.30	0.33	0.12	0.65	1.57
A	21	0.10	58	0.30	0.50	0.18	0.02	0.03
B	21	0.12	73	0.30	0.33	0.12	0.01	0.04
B	11	0.01	73	0.30	0.33	0.12	0.00	0.00
B	11	1.22	73	0.30	0.33	0.12	0.15	0.37
B	21	0.02	73	0.30	0.33	0.12	0.00	0.01
B	21	0.09	73	0.30	0.33	0.12	0.01	0.03
B	21	1.73	73	0.30	0.33	0.12	0.21	0.52
D	21	0.42	86	0.30	0.18	0.07	0.03	0.12
B	21	2.40	73	0.30	0.33	0.12	0.30	0.72
B	21	6.80	73	0.30	0.33	0.12	0.84	2.04
B	11	0.89	73	0.30	0.33	0.12	0.11	0.27

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2286	2261	818	304	0.018	0.027

	Area	F	Ap
	acres	in/hr	%
Totals:	12.30	0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.67	73	0.50	0.33	0.18	0.49	1.33
B	21	1.66	73	0.50	0.33	0.18	0.31	0.83
B	21	7.94	73	0.50	0.33	0.18	1.46	3.97
B	21	0.03	73	0.50	0.33	0.18	0.01	0.01

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2312	2288	1112	498	0.040	0.088

	Area				F	Ap
	acres				in/hr	%
Totals:	12.60				0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.02	73	0.50	0.33	0.18	0.00	0.01
B	21	0.77	73	0.50	0.33	0.18	0.14	0.39
D	21	0.60	86	0.50	0.18	0.10	0.06	0.30
B	21	0.46	73	0.50	0.33	0.18	0.09	0.23
B	21	0.44	73	0.50	0.33	0.18	0.08	0.22
B	21	0.32	73	0.50	0.33	0.18	0.06	0.16
B	21	6.61	73	0.50	0.33	0.18	1.21	3.30
B	21	1.44	73	0.50	0.33	0.18	0.27	0.72
B	21	1.93	73	0.50	0.33	0.18	0.35	0.97

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2285	2250	1365	694	0.018	0.047

	Area					F	Ap
	acres					in/hr	%
Totals:	4.89					0.09	59%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.60	89	0.59	0.15	0.09	0.06	0.36
B	21	2.38	89	0.59	0.15	0.09	0.22	1.42
B	21	1.24	89	0.59	0.15	0.09	0.12	0.74
B	21	0.67	89	0.59	0.15	0.09	0.06	0.40

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2296	2260	1339	752	0.018	0.048

	Area					F	Ap
	acres					in/hr	%
Totals:	18.75					0.17	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	5.52	73	0.50	0.33	0.18	1.02	2.76
D	21	3.87	86	0.50	0.18	0.10	0.39	1.94
B	21	3.56	73	0.50	0.33	0.18	0.66	1.78
B	21	5.77	73	0.50	0.33	0.18	1.06	2.88
B	21	0.02	73	0.50	0.33	0.18	0.00	0.01

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2313	2250	2594	1299	0.018	0.077

	Area					F	Ap
	acres					in/hr	%
Totals:	6.01					0.37	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.58	69	1.00	0.38	0.38	0.22	0.58
B	21	0.30	69	1.00	0.38	0.38	0.11	0.30
D	21	0.36	84	1.00	0.21	0.21	0.07	0.36
B	21	0.29	69	1.00	0.38	0.38	0.11	0.29
B	21	0.62	69	1.00	0.38	0.38	0.23	0.62
B	21	3.17	69	1.00	0.38	0.38	1.20	3.17
B	21	0.34	69	1.00	0.38	0.38	0.13	0.34
B	21	0.36	69	1.00	0.38	0.38	0.14	0.36

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2311	2274	1540	517	0.018	0.045

	Area	F	Ap
	acres	in/hr	%
Totals:	23.20	0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.19	73	0.50	0.33	0.18	0.04	0.10
B	21	4.70	73	0.50	0.33	0.18	0.86	2.35
B	21	2.68	73	0.50	0.33	0.18	0.49	1.34
D	21	2.08	86	0.50	0.18	0.10	0.21	1.04
B	21	0.84	73	0.50	0.33	0.18	0.16	0.42
B	21	2.36	73	0.50	0.33	0.18	0.43	1.18
B	21	4.42	73	0.50	0.33	0.18	0.81	2.21
B	21	5.92	73	0.50	0.33	0.18	1.09	2.96

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2274	2244	1119	453	0.018	0.037

	Area				F	Ap
	acres				in/hr	%
Totals:	23.81				0.19	55%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.91	73	0.55	0.33	0.20	0.58	1.60
B	21	0.62	73	0.55	0.33	0.20	0.12	0.34
B	21	2.58	73	0.55	0.33	0.20	0.51	1.42
B	21	8.57	73	0.55	0.33	0.20	1.70	4.71
B	21	0.05	73	0.55	0.33	0.20	0.01	0.03
D	21	2.17	86	0.55	0.18	0.11	0.24	1.19
B	21	6.90	73	0.55	0.33	0.20	1.37	3.79

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2279	2243	1874	739	0.040	0.128

	Area					F	Ap
	acres					in/hr	%
Totals:	8.16					0.08	51%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.05	89	0.51	0.15	0.08	0.00	0.03
B	21	0.87	89	0.51	0.15	0.08	0.07	0.45
B	21	5.72	89	0.51	0.15	0.08	0.48	2.94
B	21	0.65	89	0.51	0.15	0.08	0.05	0.33
B	21	0.86	89	0.51	0.15	0.08	0.07	0.44

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2258	2245	671	304	0.040	0.061

	Area				F	Ap
	acres				in/hr	%
Totals:	10.62				0.20	55%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	5.86	73	0.55	0.33	0.20	1.17	3.22
B	21	0.55	73	0.55	0.33	0.20	0.11	0.30
B	21	4.07	73	0.55	0.33	0.20	0.81	2.24
B	21	0.14	73	0.55	0.33	0.20	0.03	0.08

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2248	2235	699	325	0.022	0.036

	Area				F	Ap
	acres				in/hr	%
Totals:	10.19				0.36	95%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	4.10	69	0.95	0.38	0.36	1.48	3.90
B	21	5.31	69	0.95	0.38	0.36	1.92	5.04
B	21	0.66	69	0.95	0.38	0.36	0.24	0.63
B	21	0.12	69	0.95	0.38	0.36	0.04	0.11

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2231	2229	941	625	0.022	0.077

	Area					F	Ap
	acres					in/hr	%
Totals:	2.22					0.37	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.01	69	1.00	0.38	0.38	0.00	0.01
B	21	2.12	69	1.00	0.38	0.38	0.80	2.12
D	21	0.09	84	1.00	0.21	0.21	0.02	0.09

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
3818	2349	28247	15361	0.025	0.586

	Area	F	Ap
	acres	in/hr	%
Totals:	2486.47	0.31	86%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
A	11	0.82	58	0.50	0.50	0.27	0.22	0.41
B	21	0.62	72	1.00	0.35	0.35	0.22	0.62
D	21	7.59	85	1.00	0.20	0.20	1.49	7.59
B	11	0.27	73	0.50	0.33	0.18	0.05	0.14
B	11	0.73	73	0.50	0.33	0.18	0.13	0.37
A	12	15.81	89	0.10	0.15	0.03	0.44	1.58
B	12	1.22	92	0.10	0.11	0.02	0.03	0.12
B	31	2.27	70	1.00	0.37	0.37	0.83	2.27
B	32	35.74	57	1.00	0.51	0.51	18.06	35.74
B	32	0.60	57	1.00	0.51	0.51	0.31	0.60
B	22	0.06	65	1.00	0.42	0.42	0.02	0.06
B	22	0.44	65	1.00	0.42	0.42	0.19	0.44
B	22	0.30	65	1.00	0.42	0.42	0.13	0.30
B	22	0.21	65	1.00	0.42	0.42	0.09	0.21
B	22	1.12	65	1.00	0.42	0.42	0.47	1.12
B	22	3.23	65	1.00	0.42	0.42	1.36	3.23
B	31	0.46	70	1.00	0.37	0.37	0.17	0.46
B	22	1.33	65	1.00	0.42	0.42	0.56	1.33
B	11	0.24	73	0.50	0.33	0.18	0.04	0.12
B	11	0.84	73	0.50	0.33	0.18	0.15	0.42
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
D	21	0.01	85	1.00	0.20	0.20	0.00	0.01
A	21	0.00	57	1.00	0.51	0.51	0.00	0.00
D	31	3.74	87	1.00	0.17	0.17	0.64	3.74
B	21	0.21	72	1.00	0.35	0.35	0.07	0.21
D	11	0.54	86	0.50	0.18	0.10	0.05	0.27
D	11	0.50	86	0.50	0.18	0.10	0.05	0.25
B	11	2.21	73	0.50	0.33	0.18	0.41	1.10
B	31	0.28	70	1.00	0.37	0.37	0.10	0.28
B	32	0.57	57	1.00	0.51	0.51	0.29	0.57
B	32	3.30	57	1.00	0.51	0.51	1.67	3.30
A	11	11.93	58	0.50	0.50	0.27	3.25	5.97
B	32	3.41	57	1.00	0.51	0.51	1.72	3.41
B	32	10.34	57	1.00	0.51	0.51	5.22	10.34
B	11	3.57	73	0.50	0.33	0.18	0.66	1.78
A	11	0.73	58	0.50	0.50	0.27	0.20	0.36
A	15	4.35	81	0.10	0.24	0.05	0.20	0.44
B	11	0.06	73	0.50	0.33	0.18	0.01	0.03
B	15	7.70	88	0.10	0.16	0.03	0.23	0.77
B	15	20.16	88	0.10	0.16	0.03	0.61	2.02

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	4.19	73	0.50	0.33	0.18	0.77	2.09
B	32	3.57	57	1.00	0.51	0.51	1.80	3.57
B	32	0.01	57	1.00	0.51	0.51	0.01	0.01
B	31	1.96	70	1.00	0.37	0.37	0.72	1.96
B	31	19.41	70	1.00	0.37	0.37	7.13	19.41
B	22	2.07	65	1.00	0.42	0.42	0.87	2.07
B	22	3.31	65	1.00	0.42	0.42	1.40	3.31
B	32	0.14	57	1.00	0.51	0.51	0.07	0.14
C	21	5.76	80	1.00	0.25	0.25	1.47	5.76
B	32	0.35	57	1.00	0.51	0.51	0.18	0.35
B	21	6.04	72	1.00	0.35	0.35	2.09	6.04
C	21	0.68	80	1.00	0.25	0.25	0.17	0.68
B	21	0.08	72	1.00	0.35	0.35	0.03	0.08
C	32	0.10	68	1.00	0.39	0.39	0.04	0.10
C	21	2.95	80	1.00	0.25	0.25	0.75	2.95
C	22	4.43	76	1.00	0.30	0.30	1.33	4.43
C	32	3.22	68	1.00	0.39	0.39	1.25	3.22
C	32	1.11	68	1.00	0.39	0.39	0.43	1.11
C	22	2.23	76	1.00	0.30	0.30	0.67	2.23
C	32	2.17	68	1.00	0.39	0.39	0.85	2.17
C	32	1.32	68	1.00	0.39	0.39	0.51	1.32
B	32	0.66	57	1.00	0.51	0.51	0.33	0.66
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
B	32	0.19	57	1.00	0.51	0.51	0.09	0.19
B	31	8.71	70	1.00	0.37	0.37	3.20	8.71
B	31	17.79	70	1.00	0.37	0.37	6.54	17.79
B	31	0.63	70	1.00	0.37	0.37	0.23	0.63
B	31	1.66	70	1.00	0.37	0.37	0.61	1.66
B	31	6.54	70	1.00	0.37	0.37	2.40	6.54
B	32	3.03	57	1.00	0.51	0.51	1.53	3.03
B	32	7.03	57	1.00	0.51	0.51	3.55	7.03
C	32	1.32	68	1.00	0.39	0.39	0.51	1.32
C	32	6.37	68	1.00	0.39	0.39	2.48	6.37
A	11	2.00	58	0.50	0.50	0.27	0.55	1.00
B	12	0.18	92	0.10	0.11	0.02	0.00	0.02
B	11	1.53	73	0.50	0.33	0.18	0.28	0.77
A	12	4.20	89	0.10	0.15	0.03	0.12	0.42
A	11	0.03	58	0.50	0.50	0.27	0.01	0.01
B	17	2.50	69	0.30	0.38	0.14	0.35	0.75
B	32	2.29	57	1.00	0.51	0.51	1.16	2.29
B	32	0.14	57	1.00	0.51	0.51	0.07	0.14
B	31	4.07	70	1.00	0.37	0.37	1.50	4.07
B	32	0.14	57	1.00	0.51	0.51	0.07	0.14
B	32	4.40	57	1.00	0.51	0.51	2.22	4.40
B	22	0.50	65	1.00	0.42	0.42	0.21	0.50
B	21	2.13	72	1.00	0.35	0.35	0.73	2.13
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	1.83	72	1.00	0.35	0.35	0.63	1.83
B	11	1.81	73	0.50	0.33	0.18	0.33	0.90
B	32	0.60	57	1.00	0.51	0.51	0.30	0.60
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
B	31	40.15	70	1.00	0.37	0.37	14.76	40.15
B	31	20.20	70	1.00	0.37	0.37	7.42	20.20
B	31	11.30	70	1.00	0.37	0.37	4.15	11.30
B	32	3.91	57	1.00	0.51	0.51	1.98	3.91
B	31	4.70	70	1.00	0.37	0.37	1.73	4.70

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	31	0.14	70	1.00	0.37	0.37	0.05	0.14
B	22	3.25	65	1.00	0.42	0.42	1.37	3.25
B	22	3.87	65	1.00	0.42	0.42	1.63	3.87
B	22	6.11	65	1.00	0.42	0.42	2.58	6.11
B	31	8.76	70	1.00	0.37	0.37	3.22	8.76
B	21	0.13	72	1.00	0.35	0.35	0.04	0.13
B	21	1.59	72	1.00	0.35	0.35	0.55	1.59
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	22	0.18	65	1.00	0.42	0.42	0.08	0.18
B	22	0.24	65	1.00	0.42	0.42	0.10	0.24
B	22	5.89	65	1.00	0.42	0.42	2.49	5.89
B	22	2.99	65	1.00	0.42	0.42	1.26	2.99
B	31	7.67	70	1.00	0.37	0.37	2.82	7.67
B	31	56.01	70	1.00	0.37	0.37	20.59	56.01
B	31	56.25	70	1.00	0.37	0.37	20.67	56.25
B	32	0.09	57	1.00	0.51	0.51	0.04	0.09
B	32	4.58	57	1.00	0.51	0.51	2.32	4.58
B	22	3.20	65	1.00	0.42	0.42	1.35	3.20
B	22	0.84	65	1.00	0.42	0.42	0.35	0.84
B	21	6.90	72	1.00	0.35	0.35	2.38	6.90
B	21	6.66	72	1.00	0.35	0.35	2.30	6.66
B	22	0.08	65	1.00	0.42	0.42	0.03	0.08
B	22	0.64	65	1.00	0.42	0.42	0.27	0.64
B	22	5.93	65	1.00	0.42	0.42	2.50	5.93
B	22	6.31	65	1.00	0.42	0.42	2.66	6.31
B	22	0.06	65	1.00	0.42	0.42	0.02	0.06
B	22	0.00	65	1.00	0.42	0.42	0.00	0.00
B	22	2.35	65	1.00	0.42	0.42	0.99	2.35
B	31	1.32	70	1.00	0.37	0.37	0.49	1.32
B	31	2.65	70	1.00	0.37	0.37	0.97	2.65
B	31	14.79	70	1.00	0.37	0.37	5.43	14.79
B	31	1.65	70	1.00	0.37	0.37	0.61	1.65
B	31	7.23	70	1.00	0.37	0.37	2.66	7.23
B	31	28.00	70	1.00	0.37	0.37	10.29	28.00
B	31	9.07	70	1.00	0.37	0.37	3.33	9.07
B	31	10.90	70	1.00	0.37	0.37	4.00	10.90
B	31	14.33	70	1.00	0.37	0.37	5.27	14.33
B	32	5.80	57	1.00	0.51	0.51	2.93	5.80
B	11	3.38	73	0.50	0.33	0.18	0.62	1.69
A	32	0.58	45	1.00	0.62	0.62	0.36	0.58
A	11	3.47	58	0.50	0.50	0.27	0.94	1.73
B	11	1.97	73	0.50	0.33	0.18	0.36	0.98
B	32	4.40	57	1.00	0.51	0.51	2.23	4.40
B	32	2.21	57	1.00	0.51	0.51	1.12	2.21
B	32	2.52	57	1.00	0.51	0.51	1.27	2.52
B	32	3.20	57	1.00	0.51	0.51	1.62	3.20
A	32	1.74	45	1.00	0.62	0.62	1.09	1.74
A	11	1.13	58	0.50	0.50	0.27	0.31	0.56
A	21	2.85	57	1.00	0.51	0.51	1.44	2.85
A	21	6.01	57	1.00	0.51	0.51	3.04	6.01
B	32	3.46	57	1.00	0.51	0.51	1.75	3.46
B	21	3.13	72	1.00	0.35	0.35	1.08	3.13
B	21	31.89	72	1.00	0.35	0.35	11.02	31.89
A	11	60.84	58	0.50	0.50	0.27	16.57	30.42
B	11	24.54	73	0.50	0.33	0.18	4.51	12.27
B	11	0.14	73	0.50	0.33	0.18	0.03	0.07

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.51	72	1.00	0.35	0.35	0.18	0.51
B	12	3.64	92	0.10	0.11	0.02	0.08	0.36
B	11	1.26	73	0.50	0.33	0.18	0.23	0.63
A	11	2.93	58	0.50	0.50	0.27	0.80	1.46
B	11	14.49	73	0.50	0.33	0.18	2.66	7.25
A	17	1.11	49	0.30	0.59	0.22	0.24	0.33
D	21	5.98	85	1.00	0.20	0.20	1.17	5.98
D	31	0.02	87	1.00	0.17	0.17	0.00	0.02
B	31	0.62	70	1.00	0.37	0.37	0.23	0.62
B	31	7.15	70	1.00	0.37	0.37	2.63	7.15
D	32	1.13	74	1.00	0.32	0.32	0.37	1.13
B	31	6.81	70	1.00	0.37	0.37	2.50	6.81
B	31	0.31	70	1.00	0.37	0.37	0.11	0.31
B	32	0.00	57	1.00	0.51	0.51	0.00	0.00
B	32	0.51	57	1.00	0.51	0.51	0.26	0.51
D	22	0.28	82	1.00	0.23	0.23	0.07	0.28
B	22	0.06	65	1.00	0.42	0.42	0.03	0.06
B	22	1.80	65	1.00	0.42	0.42	0.76	1.80
D	22	6.73	82	1.00	0.23	0.23	1.56	6.73
B	22	0.16	65	1.00	0.42	0.42	0.07	0.16
B	21	0.34	72	1.00	0.35	0.35	0.12	0.34
B	22	28.69	65	1.00	0.42	0.42	12.10	28.69
D	22	0.80	82	1.00	0.23	0.23	0.19	0.80
B	22	29.24	65	1.00	0.42	0.42	12.33	29.24
B	22	0.55	65	1.00	0.42	0.42	0.23	0.55
B	22	3.21	65	1.00	0.42	0.42	1.35	3.21
B	11	1.18	73	0.50	0.33	0.18	0.22	0.59
B	11	9.58	73	0.50	0.33	0.18	1.76	4.79
B	32	1.15	57	1.00	0.51	0.51	0.58	1.15
B	21	0.19	72	1.00	0.35	0.35	0.06	0.19
B	21	1.51	72	1.00	0.35	0.35	0.52	1.51
B	32	0.78	57	1.00	0.51	0.51	0.39	0.78
A	21	15.49	57	1.00	0.51	0.51	7.83	15.49
A	32	0.39	45	1.00	0.62	0.62	0.24	0.39
B	22	0.04	65	1.00	0.42	0.42	0.02	0.04
B	21	0.29	72	1.00	0.35	0.35	0.10	0.29
D	22	2.07	82	1.00	0.23	0.23	0.48	2.07
B	32	0.41	57	1.00	0.51	0.51	0.21	0.41
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	32	0.11	57	1.00	0.51	0.51	0.06	0.11
B	31	1.15	70	1.00	0.37	0.37	0.42	1.15
B	32	0.40	57	1.00	0.51	0.51	0.20	0.40
B	32	2.95	57	1.00	0.51	0.51	1.49	2.95
A	73	0.04	77	1.00	0.29	0.29	0.01	0.04
B	32	3.82	57	1.00	0.51	0.51	1.93	3.82
B	21	4.74	72	1.00	0.35	0.35	1.64	4.74
D	21	1.36	85	1.00	0.20	0.20	0.27	1.36
B	31	4.90	70	1.00	0.37	0.37	1.80	4.90
B	32	2.38	57	1.00	0.51	0.51	1.20	2.38
B	32	1.68	57	1.00	0.51	0.51	0.85	1.68
B	17	2.44	69	0.30	0.38	0.14	0.34	0.73
D	17	11.29	84	0.30	0.21	0.08	0.87	3.39
B	32	1.88	57	1.00	0.51	0.51	0.95	1.88
B	32	3.92	57	1.00	0.51	0.51	1.98	3.92
B	32	1.79	57	1.00	0.51	0.51	0.90	1.79
B	22	16.01	65	1.00	0.42	0.42	6.75	16.01

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	22	1.95	65	1.00	0.42	0.42	0.82	1.95
B	31	11.34	70	1.00	0.37	0.37	4.17	11.34
B	31	0.38	70	1.00	0.37	0.37	0.14	0.38
B	31	2.16	70	1.00	0.37	0.37	0.79	2.16
B	31	8.53	70	1.00	0.37	0.37	3.13	8.53
B	31	7.43	70	1.00	0.37	0.37	2.73	7.43
B	31	7.90	70	1.00	0.37	0.37	2.90	7.90
B	31	6.60	70	1.00	0.37	0.37	2.43	6.60
B	31	11.82	70	1.00	0.37	0.37	4.34	11.82
B	31	15.89	70	1.00	0.37	0.37	5.84	15.89
D	32	486.43	74	1.00	0.32	0.32	157.13	486.43
B	32	5.06	57	1.00	0.51	0.51	2.56	5.06
D	32	0.16	74	1.00	0.32	0.32	0.05	0.16
B	31	3.85	70	1.00	0.37	0.37	1.41	3.85
B	31	6.27	70	1.00	0.37	0.37	2.31	6.27
B	31	19.48	70	1.00	0.37	0.37	7.16	19.48
D	32	13.05	74	1.00	0.32	0.32	4.22	13.05
B	32	1.25	57	1.00	0.51	0.51	0.63	1.25
B	31	6.69	70	1.00	0.37	0.37	2.46	6.69
B	21	5.83	72	1.00	0.35	0.35	2.01	5.83
B	21	9.49	72	1.00	0.35	0.35	3.28	9.49
B	21	10.40	72	1.00	0.35	0.35	3.59	10.40
C	21	10.95	80	1.00	0.25	0.25	2.79	10.95
D	22	10.09	82	1.00	0.23	0.23	2.33	10.09
B	22	1.74	65	1.00	0.42	0.42	0.73	1.74
B	31	13.97	70	1.00	0.37	0.37	5.13	13.97
B	31	40.99	70	1.00	0.37	0.37	15.07	40.99
B	31	11.59	70	1.00	0.37	0.37	4.26	11.59
D	31	244.34	87	1.00	0.17	0.17	41.98	244.34
B	31	29.57	70	1.00	0.37	0.37	10.87	29.57
B	32	6.74	57	1.00	0.51	0.51	3.41	6.74
B	11	4.43	73	0.50	0.33	0.18	0.82	2.22
B	11	15.92	73	0.50	0.33	0.18	2.93	7.96
A	15	0.24	81	0.10	0.24	0.05	0.01	0.02
B	15	0.27	88	0.10	0.16	0.03	0.01	0.03
A	15	11.26	81	0.10	0.24	0.05	0.52	1.13
B	12	3.21	92	0.10	0.11	0.02	0.07	0.32
B	11	55.97	73	0.50	0.33	0.18	10.29	27.98
A	12	8.94	89	0.10	0.15	0.03	0.25	0.89
A	11	272.49	58	0.50	0.50	0.27	74.21	136.25
A	12	11.91	89	0.10	0.15	0.03	0.33	1.19
A	32	50.30	45	1.00	0.62	0.62	31.37	50.30
A	12	1.21	89	0.10	0.15	0.03	0.03	0.12
B	32	0.51	57	1.00	0.51	0.51	0.26	0.51
B	22	0.10	65	1.00	0.42	0.42	0.04	0.10
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	22	0.40	65	1.00	0.42	0.42	0.17	0.40
B	11	0.61	73	0.50	0.33	0.18	0.11	0.30
B	22	3.49	65	1.00	0.42	0.42	1.47	3.49
B	32	0.01	57	1.00	0.51	0.51	0.00	0.01
B	32	0.18	57	1.00	0.51	0.51	0.09	0.18
B	32	0.16	57	1.00	0.51	0.51	0.08	0.16
B	32	0.06	57	1.00	0.51	0.51	0.03	0.06
B	32	0.06	57	1.00	0.51	0.51	0.03	0.06

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	32	0.08	57	1.00	0.51	0.51	0.04	0.08
B	32	0.09	57	1.00	0.51	0.51	0.05	0.09
B	32	0.23	57	1.00	0.51	0.51	0.12	0.23
B	32	0.95	57	1.00	0.51	0.51	0.48	0.95

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
2410	2286	4783	2334	0.018	0.120

	Area	F	Ap
	acres	in/hr	%
Totals:	198.95	0.23	65%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	15	3.77	93	0.10	0.10	0.02	0.07	0.38
D	14	12.60	93	0.10	0.10	0.02	0.24	1.26
B	11	0.36	73	0.50	0.33	0.18	0.07	0.18
B	14	19.52	89	0.10	0.15	0.03	0.55	1.95
A	15	0.42	81	0.10	0.24	0.05	0.02	0.04
A	15	0.06	81	0.10	0.24	0.05	0.00	0.01
B	15	8.13	88	0.10	0.16	0.03	0.25	0.81
B	11	1.73	73	0.50	0.33	0.18	0.32	0.86
B	11	0.84	73	0.50	0.33	0.18	0.15	0.42
B	11	5.65	73	0.50	0.33	0.18	1.04	2.82
B	21	27.22	72	1.00	0.35	0.35	9.40	27.22
A	21	2.98	57	1.00	0.51	0.51	1.51	2.98
B	21	30.91	72	1.00	0.35	0.35	10.67	30.91
B	12	0.17	92	0.10	0.11	0.02	0.00	0.02
A	15	2.64	81	0.10	0.24	0.05	0.12	0.26
B	11	5.08	73	0.50	0.33	0.18	0.93	2.54
B	21	40.05	72	1.00	0.35	0.35	13.83	40.05
B	11	19.94	73	0.50	0.33	0.18	3.67	9.97
B	11	12.74	73	0.50	0.33	0.18	2.34	6.37
B	21	0.66	72	1.00	0.35	0.35	0.23	0.66
A	14	3.48	83	0.10	0.22	0.04	0.15	0.35

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
3736	2225	6843	2940	0.018	0.100

	Area	F	Ap
	acres	in/hr	%
Totals:	235.52	0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
D	32	39.19	74	1.00	0.32	0.32	12.66	39.19
C	32	3.38	68	1.00	0.39	0.39	1.32	3.38
B	21	0.93	72	1.00	0.35	0.35	0.32	0.93
C	21	3.00	80	1.00	0.25	0.25	0.76	3.00
B	32	0.87	57	1.00	0.51	0.51	0.44	0.87
D	32	0.81	74	1.00	0.32	0.32	0.26	0.81
D	21	0.92	85	1.00	0.20	0.20	0.18	0.92
D	21	1.63	85	1.00	0.20	0.20	0.32	1.63
B	21	27.15	72	1.00	0.35	0.35	9.38	27.15
C	33	9.49	74	1.00	0.32	0.32	3.07	9.49
C	33	4.24	74	1.00	0.32	0.32	1.37	4.24
B	21	0.01	72	1.00	0.35	0.35	0.00	0.01
D	21	4.33	85	1.00	0.20	0.20	0.85	4.33
C	33	13.53	74	1.00	0.32	0.32	4.37	13.53
D	21	5.59	85	1.00	0.20	0.20	1.09	5.59
D	21	0.65	85	1.00	0.20	0.20	0.13	0.65
C	32	115.02	68	1.00	0.39	0.39	44.79	115.02
D	32	4.28	74	1.00	0.32	0.32	1.38	4.28
B	21	0.49	72	1.00	0.35	0.35	0.17	0.49

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2309	2269	1455	692	0.040	0.106

	Area					F	Ap
	acres					in/hr	%
Totals:	26.93					0.35	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.72	72	1.00	0.35	0.35	0.25	0.72
B	21	6.65	72	1.00	0.35	0.35	2.30	6.65
B	21	0.00	72	1.00	0.35	0.35	0.00	0.00
B	21	6.98	72	1.00	0.35	0.35	2.41	6.98
B	21	12.57	72	1.00	0.35	0.35	4.34	12.57

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2287	2251	1828	621	0.018	0.053

	Area	F	Ap
	acres	in/hr	%
Totals:	24.14	0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	7.55	73	0.50	0.33	0.18	1.39	3.77
B	21	4.02	73	0.50	0.33	0.18	0.74	2.01
B	21	1.08	73	0.50	0.33	0.18	0.20	0.54
B	21	0.02	73	0.50	0.33	0.18	0.00	0.01
B	21	0.02	73	0.50	0.33	0.18	0.00	0.01
B	21	1.03	73	0.50	0.33	0.18	0.19	0.52
B	11	0.06	73	0.50	0.33	0.18	0.01	0.03
B	21	4.42	73	0.50	0.33	0.18	0.81	2.21
B	21	0.53	73	0.50	0.33	0.18	0.10	0.27
B	21	5.39	73	0.50	0.33	0.18	0.99	2.70

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2245	2236	469	199	0.040	0.046

	Area					F	Ap
	acres					in/hr	%
Totals:	1.01					0.38	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.08	69	1.00	0.38	0.38	0.03	0.08
B	11	0.16	69	1.00	0.38	0.38	0.06	0.16
B	21	0.26	69	1.00	0.38	0.38	0.10	0.26
B	21	0.11	69	1.00	0.38	0.38	0.04	0.11
B	21	0.38	69	1.00	0.38	0.38	0.14	0.38
B	21	0.03	69	1.00	0.38	0.38	0.01	0.03

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2238	2230	412	241	0.018	0.021

	Area	F	Ap
	acres	in/hr	%
Totals:	2.28	0.02	10%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.05	92	0.10	0.11	0.02	0.00	0.00
B	21	0.24	92	0.10	0.11	0.02	0.01	0.02
B	11	0.00	92	0.10	0.11	0.02	0.00	0.00
B	21	0.06	92	0.10	0.11	0.02	0.00	0.01
B	21	0.31	92	0.10	0.11	0.02	0.01	0.03
B	11	0.88	92	0.10	0.11	0.02	0.02	0.09
B	11	0.44	92	0.10	0.11	0.02	0.01	0.04
B	11	0.17	92	0.10	0.11	0.02	0.00	0.02
B	11	0.14	92	0.10	0.11	0.02	0.00	0.01

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2242	2235	798	546	0.018	0.043

	Area					F	Ap
	acres					in/hr	%
Totals:	2.26					0.38	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.18	69	1.00	0.38	0.38	0.07	0.18
B	21	0.95	69	1.00	0.38	0.38	0.36	0.95
B	21	1.14	69	1.00	0.38	0.38	0.43	1.14

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2285	2213	2773	1304	0.018	0.078

	Area	F	Ap
	acres	in/hr	%
Totals:	4.86	0.07	39%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.06	89	0.39	0.15	0.07	0.00	0.02
B	21	0.43	89	0.39	0.15	0.07	0.03	0.17
B	21	0.00	89	0.39	0.15	0.07	0.00	0.00
B	21	0.49	89	0.39	0.15	0.07	0.03	0.19
B	21	0.37	89	0.39	0.15	0.07	0.02	0.14
B	21	0.99	89	0.39	0.15	0.07	0.07	0.39
B	21	0.28	89	0.39	0.15	0.07	0.02	0.11
B	21	1.68	89	0.39	0.15	0.07	0.11	0.65
B	11	0.28	89	0.39	0.15	0.07	0.02	0.11
B	21	0.01	89	0.39	0.15	0.07	0.00	0.00
B	11	0.27	89	0.39	0.15	0.07	0.02	0.10

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2227	2216	942	609	0.018	0.045

	Area				F	Ap
	acres				in/hr	%
Totals:	10.46				0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	0.42	73	0.50	0.33	0.18	0.08	0.21
B	11	0.06	73	0.50	0.33	0.18	0.01	0.03
B	11	0.07	73	0.50	0.33	0.18	0.01	0.04
B	21	0.35	73	0.50	0.33	0.18	0.06	0.18
B	21	1.40	73	0.50	0.33	0.18	0.26	0.70
B	21	0.21	73	0.50	0.33	0.18	0.04	0.11
B	21	4.49	73	0.50	0.33	0.18	0.83	2.25
B	21	3.46	73	0.50	0.33	0.18	0.64	1.73

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2229	2206	1570	688	0.022	0.067

	Area					F	Ap
	acres					in/hr	%
Totals:	4.89					0.33	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.37	69	1.00	0.38	0.38	0.90	2.37
D	21	0.03	84	1.00	0.21	0.21	0.01	0.03
D	21	1.34	84	1.00	0.21	0.21	0.28	1.34
B	21	1.15	69	1.00	0.38	0.38	0.44	1.15

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2217	2207	628	243	0.022	0.031

	Area	F	Ap
	acres	in/hr	%
Totals:	5.33	0.18	50%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	11	0.08	73	0.50	0.33	0.18	0.01	0.04
B	11	1.15	73	0.50	0.33	0.18	0.21	0.58
B	21	1.70	73	0.50	0.33	0.18	0.31	0.85
B	21	0.28	73	0.50	0.33	0.18	0.05	0.14
B	21	1.25	73	0.50	0.33	0.18	0.23	0.63
B	11	0.86	73	0.50	0.33	0.18	0.16	0.43
B	11	0.00	73	0.50	0.33	0.18	0.00	0.00

Developed Condition with Off-site Per Existing Conditions

	High Point	Low Point	L	Lca	Basin Factor	Lag
	ft	ft	ft	ft		hr
	2249	2204	2766	1529	0.040	0.201

	Area					F	Ap
	acres					in/hr	%
Totals:	7.02					0.07	41%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	2.21	89	0.41	0.15	0.07	0.15	0.91
B	21	2.55	89	0.41	0.15	0.07	0.18	1.05
B	21	0.36	89	0.41	0.15	0.07	0.03	0.15
B	21	1.73	89	0.41	0.15	0.07	0.12	0.71
B	21	0.02	89	0.41	0.15	0.07	0.00	0.01
D	21	0.15	93	0.41	0.10	0.05	0.01	0.06

Developed Condition with Off-site Per Existing Conditions

High Point	Low Point	L	Lca	Basin Factor	Lag
ft	ft	ft	ft		hr
3355	2203	8275	3870	0.022	0.159

	Area	F	Ap
	acres	in/hr	%
Totals:	298.60	0.33	100%

Discrete Individual Areas within Subbasin as differentiated by Soil, Land Use and Pervious Percent Cover

Hydrologic Soil Group	LU CODE	Subarea AC	CN	Ap	Fp	F (adj) (HydMan E-7)	Weighted F	Weighted Ap
B	21	1.82	72	1.00	0.35	0.35	0.63	1.82
C	33	0.00	74	1.00	0.32	0.32	0.00	0.00
C	33	13.45	74	1.00	0.32	0.32	4.35	13.45
B	33	8.72	64	1.00	0.43	0.43	3.77	8.72
B	21	0.35	72	1.00	0.35	0.35	0.12	0.35
C	32	1.61	68	1.00	0.39	0.39	0.63	1.61
C	32	7.94	68	1.00	0.39	0.39	3.09	7.94
C	33	46.01	74	1.00	0.32	0.32	14.86	46.01
D	32	0.44	74	1.00	0.32	0.32	0.14	0.44
C	32	32.84	68	1.00	0.39	0.39	12.79	32.84
D	21	2.97	85	1.00	0.20	0.20	0.58	2.97
B	21	0.66	72	1.00	0.35	0.35	0.23	0.66
D	21	0.37	85	1.00	0.20	0.20	0.07	0.37
D	33	47.17	81	1.00	0.24	0.24	11.46	47.17
D	32	0.31	74	1.00	0.32	0.32	0.10	0.31
B	33	1.11	64	1.00	0.43	0.43	0.48	1.11
B	33	3.50	64	1.00	0.43	0.43	1.51	3.50
B	21	12.59	72	1.00	0.35	0.35	4.35	12.59
C	21	0.20	80	1.00	0.25	0.25	0.05	0.20
B	33	5.43	64	1.00	0.43	0.43	2.35	5.43
C	32	2.45	68	1.00	0.39	0.39	0.95	2.45
C	33	103.77	74	1.00	0.32	0.32	33.52	103.77
C	32	1.26	68	1.00	0.39	0.39	0.49	1.26
C	33	3.63	74	1.00	0.32	0.32	1.17	3.63

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
S1	5.479	3506.6	3352.7	506.20
SmithCreekN_S1_toDiversion	5.479	3506.6	3352.7	506.20
Diversion-1	5.479	3506.6	2540.0	478.10
SmithCreekCulverts	5.479	3506.6	2540.0	478.10
SmithCreek_to_J	5.479	3506.6	2540.0	477.70
J1	1.700	1088.0	1716.7	247.50
Line J Culverts	1.700	1088.0	1713.4	247.60
LineJ_to_SmithCreek	1.700	1088.0	1706.6	247.30
JX_SmithCreek_LineJ	7.179	4594.6	4221.6	725.00
SmithCreek_to_SunLakes	7.179	4594.6	4189.3	725.00
SunLakesDetBas	0.987	631.7	166.3	55.00
SunLakes_to_SmithCreek	0.987	631.7	166.1	55.00
JX_SmithCreek_SunLakes	8.166	5226.2	4327.9	780.00
SmithCreek_thru_S2	8.166	5226.2	4299.8	779.80
S3	2.028	1297.9	1414.7	141.60
S2	1.915	1225.6	1231.2	153.70
S4	0.100	64.0	75.5	6.50
JX_SmithCreek_S2	12.209	7813.8	6971.4	1081.60
SmithCreek_thru_S4	12.209	7813.8	6940.0	1081.20
P1	2.005	1283.2	1757.7	221.50
SplitFlowFromSmith	0.000	0.0	812.7	28.20
PershingCulverts	2.005	1283.2	2417.7	249.70
Pershing_thru_P2	2.005	1283.2	2378.8	249.30
P2	0.409	261.8	370.1	34.50
P2.1	0.068	43.3	72.8	11.20
P2.2	0.063	40.1	57.5	4.50
P2.3	0.004	2.5	3.7	0.30
JX_Pershing_P2	2.548	1630.8	2725.4	299.80
Pershing_Thru_P3.1	2.548	1630.8	2697.4	299.30
S6	0.194	124.2	221.5	28.10
P4	0.086	55.3	97.9	12.30
P3.6	0.034	22.0	36.3	2.40
P3.12A	0.014	8.7	18.1	2.20
db_P3.12A	0.014	8.7	16.5	2.00
Thru_P3.7	0.134	86.0	144.7	16.70
P3.9	0.029	18.5	37.5	4.80
db_P3.9	0.029	18.5	25.5	2.00
P3.8	0.015	9.3	19.1	2.50
db_P3.8	0.015	9.3	11.6	1.00
JX_22nd_Victory	0.178	113.9	180.0	19.60
Thru_P3.11	0.178	113.9	176.3	19.60
P3.1	0.066	41.9	58.7	5.30
P3.12	0.041	26.0	45.3	3.70
db_P3.12	0.041	26.0	19.2	1.20
P3.5	0.032	20.4	32.2	2.20

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
P3.13	0.010	6.3	9.8	0.80
P3.7	0.009	5.8	10.8	1.50
P3.10	0.006	3.6	6.3	0.90
P3.11	0.006	3.6	6.9	0.90
db_P3.13	0.030	19.3	19.1	1.40
P3.3	0.018	11.5	23.2	3.00
db_P3.3	0.018	11.5	15.8	1.20
P3.3b	0.018	11.5	22.5	2.60
db_P3.3b	0.018	11.5	19.0	2.00
P3.2	0.022	14.0	27.6	3.60
db_P3.2	0.022	14.0	18.6	1.50
P3.2b	0.008	5.2	9.7	1.20
db_P3.2b	0.008	5.2	7.8	0.50
P3	0.014	9.0	13.3	0.90
P3.4	0.008	5.1	9.6	1.30
db_P3	0.022	14.1	8.7	0.70
JX_Pershing_PA16A	3.176	2032.7	3040.0	362.90
Pershing_Thru_P3.15	3.176	2032.7	3011.5	362.60
P5.1	0.044	28.4	47.5	3.10
P3.16	0.042	26.8	36.6	5.20
P5	0.019	12.4	17.1	1.40
P5.2	0.018	11.6	20.1	1.30
db_P3.16	0.124	79.0	90.8	7.80
P3.19	0.034	22.0	43.1	4.90
db_P3.19	0.034	22.0	27.7	2.10
P3.15	0.023	14.5	23.8	2.10
P3.17	0.025	15.8	28.5	3.10
db_P3.17	0.025	15.8	17.5	1.20
P3.18	0.008	5.4	8.1	0.50
P3.20	0.004	2.8	4.7	0.70
db_P3.18	0.013	8.1	4.1	0.40
P3.14	0.012	7.7	15.2	1.70
db_P3.14	0.012	7.7	11.2	0.70
P3.21	0.009	6.0	9.9	0.80
db_P3.21	0.009	6.0	1.8	0.20
JX_Pershing_PA16A2	3.415	2185.9	3158.0	377.10
Pershing_Thru_P3.24	3.415	2185.9	3081.6	376.70
P3.25	0.062	39.7	69.1	5.40
P3.26	0.042	26.9	48.7	6.70
db_P3.26	0.042	26.9	36.6	2.90
P3.25A	0.029	18.3	32.0	2.00
P3.27	0.011	7.2	13.3	1.80
P3.28	0.007	4.5	7.4	0.50
Thru_P3.27	0.151	96.6	144.9	12.50
S4.1	0.037	23.4	42.4	4.70

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
db_S4.1	0.037	23.4	25.4	1.80
P3.22	0.018	11.5	17.1	1.40
P3.23	0.027	17.2	25.0	3.30
db_P3.23	0.027	17.2	15.2	1.30
P3.24	0.009	6.0	9.1	0.60
db_P3.24	0.009	6.0	1.2	0.10
P3.29	0.031	20.0	39.1	4.20
db_P3.29	0.031	20.0	25.6	1.80
P3.30	0.026	16.3	28.4	3.20
db_P3.30	0.026	16.3	18.1	1.20
P3.31	0.029	18.6	35.8	4.10
db_P3.31	0.029	18.6	23.8	1.80
P3.32	0.012	7.7	11.0	0.90
db_P3.32	0.012	7.7	3.0	0.20
JX_SmithCreek_Pershing	15.964	10216.8	10193.8	1480.00
SmithCreek_thru_S5	15.964	10216.8	10083.2	1480.20
M1	2.106	1348.1	1598.2	211.10
MontgomeryCulverts	2.106	1348.1	1595.7	211.20
Montgomery_thru_M2	2.106	1348.1	1576.5	211.20
M2	0.211	135.2	238.0	28.60
JX_Montgomery_M2	2.318	1483.3	1746.4	239.70
Montgomery_Thru_M3.1	2.318	1483.3	1743.0	239.80
M3.3	0.022	14.3	27.5	2.80
Montgomery_Thru_M3.6	2.340	1497.6	1751.0	242.60
M3.1	0.092	58.7	109.0	14.70
db_M3.1	0.092	58.7	70.5	6.00
JX_Montgomery_M3.6	2.432	1556.3	1821.5	248.60
M3.6	0.048	30.7	60.5	7.60
db_M3.6	0.048	30.7	39.9	3.20
Thru_M3.6	0.048	30.7	39.8	3.20
M3.5	0.027	17.1	33.5	3.10
M3.4	0.019	12.0	22.9	2.20
M3.8	0.011	7.0	14.3	1.80
M3.2	0.004	2.6	4.4	0.70
M3.7	0.002	1.1	1.9	0.10
db_M3.7	0.002	1.1	0.4	0.00
Thru_M3.8	0.002	1.1	0.4	0.00
Thru_M3.9	0.110	70.5	108.4	11.00
M3.16	0.037	23.8	47.1	5.10
db_M3.16	0.037	23.8	30.6	2.10
M3.15	0.036	23.2	45.6	5.20
db_M3.15	0.036	23.2	29.7	2.20
M3.13	0.029	18.8	36.8	4.20
db_M3.13	0.029	18.8	23.8	1.70
M3.12	0.020	12.6	22.6	2.80

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
db_M3.12	0.020	12.6	15.0	1.20
M3.11	0.019	12.3	24.9	2.70
db_M3.11	0.019	12.3	16.0	1.10
M3.10	0.017	10.9	19.5	1.40
db_M3.10	0.017	10.9	7.4	0.40
M3.18	0.017	10.6	20.0	2.30
db_M3.18	0.017	10.6	13.0	0.90
M3.19	0.016	10.2	17.8	1.20
M3.17	0.013	8.1	13.8	2.00
M3.14	0.009	6.0	9.4	0.60
M3.9	0.008	4.9	9.7	1.20
db_M3.19	2.763	1768.3	2056.7	273.40
S8	0.369	236.2	350.3	25.80
S5	0.089	56.9	90.5	6.40
S7.1	0.034	21.6	40.2	4.80
db_S7.1	0.034	21.6	27.1	2.00
S7.2	0.019	12.2	24.3	2.70
db_S7.2	0.019	12.2	15.8	1.10
S7.3	0.006	3.8	6.4	0.50
db_S7.3	0.006	3.8	0.5	0.10
M3.20	0.003	1.9	3.0	0.20
db_M3.20	0.003	1.9	0.1	0.00
JX_SmithCreek_Montgomery	19.246	12317.7	12248.0	1788.90
SmithCreek_to_Gilman	19.246	12317.7	12214.7	1789.30
G1	3.881	2484.0	2420.9	399.20
GilmanCulvert	3.881	2484.0	2420.1	399.20
Gilman_thru_G2	3.881	2484.0	2418.6	399.30
G2	0.311	199.0	321.7	38.50
JX_Gilman_G2	4.192	2682.9	2674.2	437.80
G3.1	0.042	26.9	39.3	2.90
Gilman_to_SmithCreek	4.234	2709.9	2693.4	440.70
G3.2	0.038	24.1	46.8	5.40
db_G3.2	0.038	24.1	30.9	2.20
G3.4	0.004	2.3	4.9	0.60
db_G3.4	0.004	2.3	2.1	0.20
G3.3	0.002	1.0	1.7	0.10
JX_LineA	4.277	2737.3	2727.1	443.20
LineA	4.277	2737.3	2723.1	443.30
S9	0.467	298.9	398.3	34.30
G3.9	0.011	7.0	10.8	1.80
G3.10	0.008	5.1	8.4	0.60
G3.5	0.008	4.9	9.2	1.20
db_G3.10	0.027	17.0	14.8	1.30
G3.7	0.016	10.4	20.5	2.30
db_G3.7	0.016	10.4	12.5	1.00

Developed Condition Summary

Hydrologic Element	Area	Area	Q	V
	Sq Mi	Acres	CFS	Ac-Ft
G3.8	0.008	5.1	10.3	1.10
db_G3.8	0.008	5.1	6.1	0.40
G3.6	0.004	2.2	3.8	0.20
JX_SmithCreek_Gilman	24.045	15388.7	15154.4	2269.80

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.020	0.020	0.000	0.6	0.00
00:10	0.020	0.020	0.000	1.3	0.01
00:15	0.020	0.020	0.000	2.2	0.03
00:20	0.020	0.020	0.000	3.5	0.05
00:25	0.020	0.020	0.000	4.9	0.09
00:30	0.030	0.029	0.001	8.4	0.14
00:35	0.030	0.029	0.001	11.7	0.22
00:40	0.030	0.029	0.001	15.2	0.33
00:45	0.030	0.029	0.001	19.5	0.46
00:50	0.030	0.029	0.001	23.6	0.63
00:55	0.030	0.029	0.001	29.1	0.83
01:00	0.030	0.029	0.001	33.6	1.06
01:05	0.030	0.029	0.001	37.1	1.31
01:10	0.030	0.029	0.001	39.9	1.59
01:15	0.030	0.029	0.001	42.0	1.88
01:20	0.030	0.029	0.001	44.0	2.18
01:25	0.030	0.029	0.001	45.2	2.49
01:30	0.030	0.029	0.001	46.3	2.81
01:35	0.030	0.029	0.001	47.5	3.14
01:40	0.030	0.029	0.001	48.7	3.47
01:45	0.030	0.029	0.001	49.6	3.81
01:50	0.030	0.029	0.001	50.2	4.16
01:55	0.030	0.029	0.001	50.9	4.51
02:00	0.030	0.029	0.001	51.6	4.87
02:05	0.030	0.029	0.001	52.2	5.23
02:10	0.030	0.029	0.001	52.7	5.59
02:15	0.030	0.029	0.001	53.3	5.96
02:20	0.030	0.029	0.001	53.8	6.33
02:25	0.030	0.029	0.001	54.3	6.70
02:30	0.030	0.029	0.001	54.5	7.08
02:35	0.030	0.029	0.001	54.7	7.45
02:40	0.030	0.029	0.001	54.9	7.83
02:45	0.040	0.029	0.011	71.3	8.32
02:50	0.040	0.029	0.011	87.7	8.93
02:55	0.040	0.029	0.011	110.7	9.69
03:00	0.040	0.029	0.011	144.3	10.68
03:05	0.040	0.029	0.011	177.8	11.91
03:10	0.040	0.029	0.011	225.3	13.46
03:15	0.040	0.029	0.011	265.6	15.29
03:20	0.040	0.029	0.011	296.5	17.33
03:25	0.040	0.029	0.011	320.0	19.53
03:30	0.050	0.029	0.021	353.6	21.97
03:35	0.050	0.029	0.021	386.8	24.63
03:40	0.050	0.029	0.021	419.7	27.52
03:45	0.060	0.029	0.031	479.3	30.82
03:50	0.060	0.029	0.031	538.9	34.54
03:55	0.060	0.029	0.031	619.1	38.80
04:00	0.060	0.029	0.031	698.9	43.61
04:05	0.060	0.029	0.031	768.0	48.90
04:10	0.070	0.029	0.041	859.9	54.82
04:15	0.070	0.029	0.041	938.4	61.29
04:20	0.070	0.029	0.041	1013.8	68.27
04:25	0.080	0.029	0.051	1101.6	75.86
04:30	0.080	0.029	0.051	1183.2	84.00
04:35	0.080	0.029	0.051	1285.0	92.85
04:40	0.080	0.029	0.051	1383.2	102.38
04:45	0.090	0.029	0.061	1481.1	112.58
04:50	0.090	0.029	0.061	1584.1	123.49
04:55	0.090	0.029	0.061	1680.3	135.06
05:00	0.100	0.029	0.071	1789.8	147.39
05:05	0.110	0.029	0.081	1899.9	160.47
05:10	0.130	0.029	0.101	2056.9	174.64
05:15	0.140	0.029	0.111	2239.4	190.06
05:20	0.150	0.029	0.121	2445.6	206.91
05:25	0.170	0.029	0.141	2714.8	225.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.210	0.029	0.181	3061.9	246.69
05:35	0.070	0.029	0.041	3216.5	268.84
05:40	0.030	0.029	0.001	3325.7	291.75
05:45	0.020	0.020	0.000	3352.7	314.84
05:50	0.020	0.020	0.000	3195.9	336.85
05:55	0.010	0.010	0.000	3001.1	357.52
06:00	0.010	0.010	0.000	2536.3	374.98
06:05	0.000	0.000	0.000	2042.5	389.05
06:10	0.000	0.000	0.000	1655.3	400.45
06:15	0.000	0.000	0.000	1373.0	409.91
06:20	0.000	0.000	0.000	1187.0	418.08
06:25	0.000	0.000	0.000	991.3	424.91
06:30	0.000	0.000	0.000	888.7	431.03
06:35	0.000	0.000	0.000	809.4	436.60
06:40	0.000	0.000	0.000	722.4	441.58
06:45	0.000	0.000	0.000	614.8	445.81
06:50	0.000	0.000	0.000	553.4	449.62
06:55	0.000	0.000	0.000	525.3	453.24
07:00	0.000	0.000	0.000	499.6	456.68
07:05	0.000	0.000	0.000	470.6	459.92
07:10	0.000	0.000	0.000	434.6	462.92
07:15	0.000	0.000	0.000	395.0	465.64
07:20	0.000	0.000	0.000	352.0	468.06
07:25	0.000	0.000	0.000	301.4	470.14
07:30	0.000	0.000	0.000	236.2	471.76
07:35	0.000	0.000	0.000	218.6	473.27
07:40	0.000	0.000	0.000	216.1	474.76
07:45	0.000	0.000	0.000	214.5	476.23
07:50	0.000	0.000	0.000	212.9	477.70
07:55	0.000	0.000	0.000	211.3	479.16
08:00	0.000	0.000	0.000	209.7	480.60
08:05	0.000	0.000	0.000	208.2	482.03
08:10	0.000	0.000	0.000	206.1	483.45
08:15	0.000	0.000	0.000	203.4	484.85
08:20	0.000	0.000	0.000	200.6	486.24
08:25	0.000	0.000	0.000	197.2	487.59
08:30	0.000	0.000	0.000	193.1	488.92
08:35	0.000	0.000	0.000	189.0	490.23
08:40	0.000	0.000	0.000	184.9	491.50
08:45	0.000	0.000	0.000	180.8	492.74
08:50	0.000	0.000	0.000	176.1	493.96
08:55	0.000	0.000	0.000	170.7	495.13
09:00	0.000	0.000	0.000	165.3	496.27
09:05	0.000	0.000	0.000	159.3	497.37
09:10	0.000	0.000	0.000	152.6	498.42
09:15	0.000	0.000	0.000	145.8	499.42
09:20	0.000	0.000	0.000	139.1	500.38
09:25	0.000	0.000	0.000	131.8	501.29
09:30	0.000	0.000	0.000	123.8	502.14
09:35	0.000	0.000	0.000	115.8	502.94
09:40	0.000	0.000	0.000	107.2	503.68
09:45	0.000	0.000	0.000	97.3	504.35
09:50	0.000	0.000	0.000	85.5	504.94
09:55	0.000	0.000	0.000	71.6	505.43
10:00	0.000	0.000	0.000	56.5	505.82
10:05	0.000	0.000	0.000	39.5	506.09
10:10	0.000	0.000	0.000	18.6	506.22
10:15	0.000	0.000	0.000	3.3	506.24
10:20	0.000	0.000	0.000	0.3	506.24
10:25	0.000	0.000	0.000	0.1	506.24
10:30	0.000	0.000	0.000	0.1	506.25
10:35	0.000	0.000	0.000	0.0	506.25

Master Plan of Drainage Developed Condition Element: **SmithCreekN_S1_toDiversion**

Time	FLOW-IN	VOLUME
HH:MM	CFS	AC-FT
00:05	0.6	0.00
00:10	1.3	0.01
00:15	2.2	0.03
00:20	3.5	0.05
00:25	4.9	0.09
00:30	8.4	0.14
00:35	11.7	0.22
00:40	15.2	0.33
00:45	19.5	0.46
00:50	23.6	0.63
00:55	29.1	0.83
01:00	33.6	1.06
01:05	37.1	1.31
01:10	39.9	1.59
01:15	42.0	1.88
01:20	44.0	2.18
01:25	45.2	2.49
01:30	46.3	2.81
01:35	47.5	3.14
01:40	48.7	3.47
01:45	49.6	3.81
01:50	50.2	4.16
01:55	50.9	4.51
02:00	51.6	4.87
02:05	52.2	5.23
02:10	52.7	5.59
02:15	53.3	5.96
02:20	53.8	6.33
02:25	54.3	6.70
02:30	54.5	7.08
02:35	54.7	7.45
02:40	54.9	7.83
02:45	71.3	8.32
02:50	87.7	8.93
02:55	110.7	9.69
03:00	144.3	10.68
03:05	177.8	11.91
03:10	225.3	13.46
03:15	265.6	15.29
03:20	296.5	17.33
03:25	320.0	19.53
03:30	353.6	21.97
03:35	386.8	24.63
03:40	419.7	27.52
03:45	479.3	30.82
03:50	538.9	34.54
03:55	619.1	38.80
04:00	698.9	43.61
04:05	768.0	48.90
04:10	859.9	54.82
04:15	938.4	61.29
04:20	1013.8	68.27
04:25	1101.6	75.86
04:30	1183.2	84.00
04:35	1285.0	92.85
04:40	1383.2	102.38
04:45	1481.1	112.58
04:50	1584.1	123.49
04:55	1680.3	135.06
05:00	1789.8	147.39
05:05	1899.9	160.47
05:10	2056.9	174.64
05:15	2239.4	190.06
05:20	2445.6	206.91
05:25	2714.8	225.60
05:30	3061.9	246.69

Master Plan of Drainage Developed Condition Element: **SmithCreekN_S1_toDiversion**

Time	FLOW-IN	VOLUME
HH:MM	CFS	AC-FT
05:35	3216.5	268.84
05:40	3325.7	291.75
05:45	3352.7	314.84
05:50	3195.9	336.85
05:55	3001.1	357.52
06:00	2536.3	374.98
06:05	2042.5	389.05
06:10	1655.3	400.45
06:15	1373.0	409.91
06:20	1187.0	418.08
06:25	991.3	424.91
06:30	888.7	431.03
06:35	809.4	436.60
06:40	722.4	441.58
06:45	614.8	445.81
06:50	553.4	449.62
06:55	525.3	453.24
07:00	499.6	456.68
07:05	470.6	459.92
07:10	434.6	462.92
07:15	395.0	465.64
07:20	352.0	468.06
07:25	301.4	470.14
07:30	236.2	471.76
07:35	218.6	473.27
07:40	216.1	474.76
07:45	214.5	476.23
07:50	212.9	477.70
07:55	211.3	479.16
08:00	209.7	480.60
08:05	208.2	482.03
08:10	206.1	483.45
08:15	203.4	484.85
08:20	200.6	486.24
08:25	197.2	487.59
08:30	193.1	488.92
08:35	189.0	490.23
08:40	184.9	491.50
08:45	180.8	492.74
08:50	176.1	493.96
08:55	170.7	495.13
09:00	165.3	496.27
09:05	159.3	497.37
09:10	152.6	498.42
09:15	145.8	499.42
09:20	139.1	500.38
09:25	131.8	501.29
09:30	123.8	502.14
09:35	115.8	502.94
09:40	107.2	503.68
09:45	97.3	504.35
09:50	85.5	504.94
09:55	71.6	505.43
10:00	56.5	505.82
10:05	39.5	506.09
10:10	18.6	506.22
10:15	3.3	506.24
10:20	0.3	506.24
10:25	0.1	506.24
10:30	0.1	506.25
10:35	0.0	506.25

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.6	0.00
00:10	1.3	0.01
00:15	2.2	0.03
00:20	3.5	0.05
00:25	4.9	0.09
00:30	8.4	0.14
00:35	11.7	0.22
00:40	15.2	0.33
00:45	19.5	0.46
00:50	23.6	0.63
00:55	29.1	0.83
01:00	33.6	1.06
01:05	37.1	1.31
01:10	39.9	1.59
01:15	42.0	1.88
01:20	44.0	2.18
01:25	45.2	2.49
01:30	46.3	2.81
01:35	47.5	3.14
01:40	48.7	3.47
01:45	49.6	3.81
01:50	50.2	4.16
01:55	50.9	4.51
02:00	51.6	4.87
02:05	52.2	5.23
02:10	52.7	5.59
02:15	53.3	5.96
02:20	53.8	6.33
02:25	54.3	6.70
02:30	54.5	7.08
02:35	54.7	7.45
02:40	54.9	7.83
02:45	71.3	8.32
02:50	87.7	8.93
02:55	110.7	9.69
03:00	144.3	10.68
03:05	177.8	11.91
03:10	225.3	13.46
03:15	265.6	15.29
03:20	296.5	17.33
03:25	320.0	19.53
03:30	353.6	21.97
03:35	386.8	24.63
03:40	419.7	27.52
03:45	479.3	30.82
03:50	538.9	34.54
03:55	619.1	38.80
04:00	698.9	43.61
04:05	768.0	48.90
04:10	859.9	54.82
04:15	938.4	61.29
04:20	1013.8	68.27
04:25	1101.6	75.86
04:30	1183.2	84.00
04:35	1285.0	92.85
04:40	1383.2	102.38
04:45	1481.1	112.58
04:50	1584.1	123.49
04:55	1680.3	135.06
05:00	1789.8	147.39
05:05	1899.9	160.47
05:10	2056.9	174.64
05:15	2239.4	190.06
05:20	2445.6	206.91
05:25	2714.8	225.60

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	3061.9	246.69
05:35	3216.5	268.84
05:40	3325.7	291.75
05:45	3352.7	314.84
05:50	3195.9	336.85
05:55	3001.1	357.52
06:00	2536.3	374.98
06:05	2042.5	389.05
06:10	1655.3	400.45
06:15	1373.0	409.91
06:20	1187.0	418.08
06:25	991.3	424.91
06:30	888.7	431.03
06:35	809.4	436.60
06:40	722.4	441.58
06:45	614.8	445.81
06:50	553.4	449.62
06:55	525.3	453.24
07:00	499.6	456.68
07:05	470.6	459.92
07:10	434.6	462.92
07:15	395.0	465.64
07:20	352.0	468.06
07:25	301.4	470.14
07:30	236.2	471.76
07:35	218.6	473.27
07:40	216.1	474.76
07:45	214.5	476.23
07:50	212.9	477.70
07:55	211.3	479.16
08:00	209.7	480.60
08:05	208.2	482.03
08:10	206.1	483.45
08:15	203.4	484.85
08:20	200.6	486.24
08:25	197.2	487.59
08:30	193.1	488.92
08:35	189.0	490.23
08:40	184.9	491.50
08:45	180.8	492.74
08:50	176.1	493.96
08:55	170.7	495.13
09:00	165.3	496.27
09:05	159.3	497.37
09:10	152.6	498.42
09:15	145.8	499.42
09:20	139.1	500.38
09:25	131.8	501.29
09:30	123.8	502.14
09:35	115.8	502.94
09:40	107.2	503.68
09:45	97.3	504.35
09:50	85.5	504.94
09:55	71.6	505.43
10:00	56.5	505.82
10:05	39.5	506.09
10:10	18.6	506.22
10:15	3.3	506.24
10:20	0.3	506.24
10:25	0.1	506.24
10:30	0.1	506.25
10:35	0.0	506.25

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.6	0.00	0.00
00:10	1.3	0.04	0.01
00:15	2.2	0.76	0.03
00:20	3.5	1.79	0.05
00:25	4.9	2.30	0.09
00:30	8.4	2.76	0.14
00:35	11.7	3.39	0.22
00:40	15.2	3.85	0.33
00:45	19.5	4.29	0.46
00:50	23.6	4.69	0.63
00:55	29.1	5.10	0.83
01:00	33.6	5.46	1.06
01:05	37.1	5.72	1.31
01:10	39.9	5.91	1.59
01:15	42.0	6.05	1.88
01:20	44.0	6.16	2.18
01:25	45.2	6.25	2.49
01:30	46.3	6.31	2.81
01:35	47.5	6.38	3.14
01:40	48.7	6.44	3.47
01:45	49.6	6.49	3.81
01:50	50.2	6.53	4.16
01:55	50.9	6.57	4.51
02:00	51.6	6.60	4.87
02:05	52.2	6.63	5.23
02:10	52.7	6.66	5.59
02:15	53.3	6.69	5.96
02:20	53.8	6.72	6.33
02:25	54.3	6.74	6.70
02:30	54.5	6.76	7.08
02:35	54.7	6.77	7.45
02:40	54.9	6.78	7.83
02:45	71.3	7.33	8.32
02:50	87.7	8.02	8.93
02:55	110.7	8.80	9.69
03:00	144.3	9.78	10.68
03:05	177.8	10.69	11.91
03:10	225.3	11.75	13.46
03:15	265.6	12.61	15.29
03:20	296.5	13.22	17.33
03:25	320.0	13.66	19.53
03:30	353.6	14.20	21.97
03:35	386.8	14.73	24.63
03:40	419.7	15.23	27.52
03:45	479.3	16.02	30.82
03:50	538.9	16.81	34.54
03:55	619.1	17.76	38.80
04:00	698.9	18.66	43.61
04:05	768.0	19.40	48.90
04:10	859.9	20.28	54.82
04:15	938.4	21.03	61.29
04:20	1013.8	21.70	68.27
04:25	1101.6	22.43	75.86
04:30	1183.2	23.09	84.00
04:35	1285.0	23.86	92.85
04:40	1383.2	24.58	102.38
04:45	1481.1	25.27	112.58
04:50	1584.1	25.96	123.49
04:55	1680.3	26.59	135.06
05:00	1789.8	27.26	147.39
05:05	1899.9	27.93	160.47
05:10	2056.9	28.81	174.64
05:15	2239.4	29.81	190.06
05:20	2445.6	30.88	206.91
05:25	2540.0	31.39	224.40

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2540.0	31.42	241.89
05:35	2540.0	31.42	259.38
05:40	2540.0	31.42	276.88
05:45	2540.0	31.42	294.37
05:50	2540.0	31.42	311.86
05:55	2540.0	31.42	329.36
06:00	2536.3	31.40	346.83
06:05	2042.5	28.99	360.89
06:10	1655.3	26.67	372.29
06:15	1373.0	24.73	381.75
06:20	1187.0	23.31	389.92
06:25	991.3	21.73	396.75
06:30	888.7	20.74	402.87
06:35	809.4	19.97	408.44
06:40	722.4	19.10	413.42
06:45	614.8	17.96	417.65
06:50	553.4	17.17	421.47
06:55	525.3	16.77	425.08
07:00	499.6	16.44	428.52
07:05	470.6	16.06	431.77
07:10	434.6	15.57	434.76
07:15	395.0	15.01	437.48
07:20	352.0	14.35	439.90
07:25	301.4	13.53	441.98
07:30	236.2	12.37	443.61
07:35	218.6	11.85	445.11
07:40	216.1	11.74	446.60
07:45	214.5	11.70	448.08
07:50	212.9	11.66	449.54
07:55	211.3	11.63	451.00
08:00	209.7	11.59	452.44
08:05	208.2	11.56	453.88
08:10	206.1	11.52	455.30
08:15	203.4	11.46	456.70
08:20	200.6	11.39	458.08
08:25	197.2	11.32	459.44
08:30	193.1	11.23	460.77
08:35	189.0	11.13	462.07
08:40	184.9	11.03	463.34
08:45	180.8	10.94	464.59
08:50	176.1	10.83	465.80
08:55	170.7	10.70	466.97
09:00	165.3	10.56	468.11
09:05	159.3	10.41	469.21
09:10	152.6	10.24	470.26
09:15	145.8	10.06	471.27
09:20	139.1	9.87	472.22
09:25	131.8	9.67	473.13
09:30	123.8	9.44	473.98
09:35	115.8	9.19	474.78
09:40	107.2	8.92	475.52
09:45	97.3	8.60	476.19
09:50	85.5	8.20	476.78
09:55	71.6	7.69	477.27
10:00	56.5	7.07	477.66
10:05	39.5	6.26	477.93
10:10	18.6	5.10	478.06
10:15	3.3	3.64	478.08
10:20	0.3	2.19	478.09
10:25	0.1	1.44	478.09
10:30	0.1	1.00	478.09
10:35	0.0	0.79	478.09

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.2	0.00	0.00
00:20	2.0	0.00	0.02
00:25	3.7	0.00	0.04
00:30	5.8	0.00	0.08
00:35	9.7	0.00	0.15
00:40	13.3	0.00	0.24
00:45	17.5	0.02	0.36
00:50	21.8	0.06	0.51
00:55	26.9	0.17	0.69
01:00	31.9	0.26	0.91
01:05	35.8	0.49	1.16
01:10	38.9	0.67	1.43
01:15	41.3	0.91	1.71
01:20	43.3	1.11	2.01
01:25	44.8	1.26	2.32
01:30	46.0	1.37	2.64
01:35	47.2	1.42	2.96
01:40	48.4	1.46	3.30
01:45	49.3	1.48	3.63
01:50	50.0	1.50	3.98
01:55	50.7	1.51	4.33
02:00	51.4	1.53	4.68
02:05	52.0	1.54	5.04
02:10	52.5	1.55	5.40
02:15	53.1	1.55	5.77
02:20	53.6	1.56	6.14
02:25	54.2	1.57	6.51
02:30	54.5	1.57	6.89
02:35	54.7	1.58	7.26
02:40	54.9	1.58	7.64
02:45	66.7	1.59	8.10
02:50	83.5	1.59	8.67
02:55	105.4	1.60	9.40
03:00	137.2	1.64	10.35
03:05	171.3	1.76	11.53
03:10	217.0	1.93	13.02
03:15	259.1	2.13	14.80
03:20	291.7	2.35	16.81
03:25	316.5	2.56	18.99
03:30	348.7	2.72	21.39
03:35	382.2	2.81	24.03
03:40	415.2	2.91	26.89
03:45	471.6	3.00	30.13
03:50	531.6	3.10	33.80
03:55	609.8	3.23	38.00
04:00	690.1	3.38	42.75
04:05	760.6	3.54	47.99
04:10	850.6	3.70	53.84
04:15	930.7	3.83	60.25
04:20	1006.6	3.97	67.19
04:25	1093.5	4.09	74.72
04:30	1175.9	4.20	82.82
04:35	1276.2	4.32	91.61
04:40	1375.0	4.43	101.08
04:45	1473.1	4.55	111.22
04:50	1575.9	4.66	122.07
04:55	1672.8	4.77	133.59
05:00	1781.6	4.87	145.86
05:05	1891.8	4.98	158.89
05:10	2045.6	5.08	172.98
05:15	2226.8	5.21	188.32
05:20	2431.8	5.36	205.07
05:25	2533.8	5.52	222.52

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2540.0	5.61	240.01
05:35	2540.0	5.62	257.50
05:40	2540.0	5.63	275.00
05:45	2540.0	5.63	292.49
05:50	2540.0	5.63	309.98
05:55	2540.0	5.63	327.47
06:00	2536.2	5.63	344.94
06:05	2077.6	5.61	359.25
06:10	1685.2	5.35	370.86
06:15	1396.6	5.02	380.47
06:20	1203.5	4.73	388.76
06:25	1009.9	4.50	395.72
06:30	898.9	4.28	401.91
06:35	817.5	4.09	407.54
06:40	731.8	3.95	412.58
06:45	627.1	3.83	416.90
06:50	560.7	3.69	420.76
06:55	528.7	3.53	424.40
07:00	502.8	3.42	427.86
07:05	474.3	3.36	431.13
07:10	439.4	3.30	434.16
07:15	400.5	3.24	436.91
07:20	358.2	3.16	439.38
07:25	309.1	3.07	441.51
07:30	247.1	2.97	443.21
07:35	221.6	2.85	444.74
07:40	216.6	2.69	446.23
07:45	214.8	2.57	447.71
07:50	213.1	2.52	449.18
07:55	211.6	2.50	450.63
08:00	210.0	2.50	452.08
08:05	208.5	2.49	453.52
08:10	206.5	2.48	454.94
08:15	203.9	2.48	456.34
08:20	201.1	2.47	457.73
08:25	197.8	2.46	459.09
08:30	193.8	2.45	460.42
08:35	189.7	2.44	461.73
08:40	185.6	2.43	463.01
08:45	181.5	2.41	464.26
08:50	177.0	2.39	465.48
08:55	171.7	2.38	466.66
09:00	166.3	2.36	467.81
09:05	160.5	2.34	468.91
09:10	153.9	2.32	469.97
09:15	147.2	2.29	470.99
09:20	140.5	2.26	471.95
09:25	133.4	2.23	472.87
09:30	125.6	2.20	473.74
09:35	117.6	2.17	474.55
09:40	109.2	2.14	475.30
09:45	99.6	2.10	475.98
09:50	88.4	2.05	476.59
09:55	75.3	2.01	477.11
10:00	60.9	1.95	477.53
10:05	45.0	1.89	477.84
10:10	26.9	1.82	478.03
10:15	11.6	1.73	478.11
10:20	3.3	1.62	478.13
10:25	1.1	1.50	478.14
10:30	0.5	1.37	478.14
10:35	0.3	1.22	478.14

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.021	0.011	0.011	16.9	0.12
00:10	0.021	0.011	0.011	52.0	0.47
00:15	0.021	0.011	0.011	84.2	1.05
00:20	0.021	0.011	0.011	98.8	1.73
00:25	0.025	0.011	0.014	113.3	2.52
00:30	0.025	0.011	0.014	129.6	3.41
00:35	0.025	0.011	0.014	143.9	4.40
00:40	0.025	0.011	0.014	152.9	5.45
00:45	0.025	0.011	0.014	157.9	6.54
00:50	0.025	0.011	0.014	160.9	7.65
00:55	0.028	0.011	0.017	169.2	8.81
01:00	0.028	0.011	0.017	183.4	10.08
01:05	0.028	0.011	0.017	196.1	11.43
01:10	0.028	0.011	0.017	202.6	12.82
01:15	0.028	0.011	0.017	207.3	14.25
01:20	0.028	0.011	0.017	210.8	15.70
01:25	0.028	0.011	0.017	213.9	17.17
01:30	0.028	0.011	0.017	217.1	18.67
01:35	0.028	0.011	0.017	219.4	20.18
01:40	0.028	0.011	0.017	220.8	21.70
01:45	0.028	0.011	0.017	221.6	23.23
01:50	0.028	0.011	0.017	222.4	24.76
01:55	0.032	0.011	0.021	228.8	26.33
02:00	0.028	0.011	0.017	235.4	27.96
02:05	0.032	0.011	0.021	240.5	29.61
02:10	0.032	0.011	0.021	246.8	31.31
02:15	0.032	0.011	0.021	256.1	33.08
02:20	0.032	0.011	0.021	260.3	34.87
02:25	0.032	0.011	0.021	263.4	36.68
02:30	0.032	0.011	0.021	265.5	38.51
02:35	0.032	0.011	0.021	266.2	40.34
02:40	0.035	0.011	0.024	273.1	42.23
02:45	0.035	0.011	0.024	285.5	44.19
02:50	0.035	0.011	0.024	296.6	46.23
02:55	0.035	0.011	0.024	301.9	48.31
03:00	0.035	0.011	0.024	305.5	50.42
03:05	0.039	0.011	0.028	313.4	52.58
03:10	0.039	0.011	0.028	327.1	54.83
03:15	0.039	0.011	0.028	339.7	57.17
03:20	0.042	0.011	0.031	351.4	59.59
03:25	0.046	0.011	0.035	372.6	62.15
03:30	0.049	0.011	0.038	403.3	64.93
03:35	0.049	0.011	0.038	432.7	67.91
03:40	0.053	0.011	0.042	459.2	71.07
03:45	0.053	0.011	0.042	482.0	74.39
03:50	0.056	0.011	0.045	505.7	77.88
03:55	0.056	0.011	0.045	528.1	81.51
04:00	0.060	0.011	0.049	552.2	85.32
04:05	0.063	0.011	0.052	579.8	89.31
04:10	0.067	0.011	0.056	614.9	93.54
04:15	0.070	0.011	0.059	653.1	98.04
04:20	0.074	0.011	0.063	693.1	102.82
04:25	0.074	0.011	0.063	729.0	107.84
04:30	0.077	0.011	0.066	759.6	113.07
04:35	0.081	0.011	0.070	792.4	118.53
04:40	0.084	0.011	0.073	831.5	124.25
04:45	0.084	0.011	0.073	867.0	130.22
04:50	0.088	0.011	0.077	898.0	136.41
04:55	0.091	0.011	0.080	930.6	142.82
05:00	0.109	0.011	0.098	991.6	149.65
05:05	0.126	0.011	0.115	1101.9	157.23
05:10	0.137	0.011	0.126	1245.6	165.81
05:15	0.147	0.011	0.136	1386.1	175.36
05:20	0.165	0.011	0.154	1528.9	185.89
05:25	0.196	0.011	0.185	1716.7	197.71

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.067	0.011	0.056	1713.5	209.51
05:35	0.032	0.011	0.021	1380.8	219.02
05:40	0.021	0.011	0.011	934.8	225.46
05:45	0.018	0.009	0.009	665.3	230.04
05:50	0.011	0.005	0.005	497.7	233.47
05:55	0.007	0.004	0.004	392.0	236.17
06:00	0.000	0.000	0.000	308.5	238.29
06:05	0.000	0.000	0.000	224.7	239.84
06:10	0.000	0.000	0.000	174.7	241.05
06:15	0.000	0.000	0.000	152.0	242.09
06:20	0.000	0.000	0.000	137.4	243.04
06:25	0.000	0.000	0.000	125.2	243.90
06:30	0.000	0.000	0.000	114.0	244.69
06:35	0.000	0.000	0.000	102.3	245.39
06:40	0.000	0.000	0.000	89.4	246.01
06:45	0.000	0.000	0.000	75.3	246.52
06:50	0.000	0.000	0.000	59.9	246.94
06:55	0.000	0.000	0.000	42.8	247.23
07:00	0.000	0.000	0.000	22.9	247.39
07:05	0.000	0.000	0.000	8.9	247.45
07:10	0.000	0.000	0.000	4.5	247.48
07:15	0.000	0.000	0.000	2.7	247.50
07:20	0.000	0.000	0.000	1.5	247.51
07:25	0.000	0.000	0.000	0.7	247.52
07:30	0.000	0.000	0.000	0.2	247.52
07:35	0.000	0.000	0.000	0.0	247.52
07:40	0.000	0.000	0.000	0.0	247.52
07:45	0.000	0.000	0.000	0.0	247.52
07:50	0.000	0.000	0.000	0.0	247.52
07:55	0.000	0.000	0.000	0.0	247.52
08:00	0.000	0.000	0.000	0.0	247.52
08:05	0.000	0.000	0.000	0.0	247.52
08:10	0.000	0.000	0.000	0.0	247.52
08:15	0.000	0.000	0.000	0.0	247.52
08:20	0.000	0.000	0.000	0.0	247.52
08:25	0.000	0.000	0.000	0.0	247.52
08:30	0.000	0.000	0.000	0.0	247.52
08:35	0.000	0.000	0.000	0.0	247.52
08:40	0.000	0.000	0.000	0.0	247.52
08:45	0.000	0.000	0.000	0.0	247.52
08:50	0.000	0.000	0.000	0.0	247.52
08:55	0.000	0.000	0.000	0.0	247.52
09:00	0.000	0.000	0.000	0.0	247.52
09:05	0.000	0.000	0.000	0.0	247.52
09:10	0.000	0.000	0.000	0.0	247.52
09:15	0.000	0.000	0.000	0.0	247.52
09:20	0.000	0.000	0.000	0.0	247.52
09:25	0.000	0.000	0.000	0.0	247.52
09:30	0.000	0.000	0.000	0.0	247.52
09:35	0.000	0.000	0.000	0.0	247.52
09:40	0.000	0.000	0.000	0.0	247.52
09:45	0.000	0.000	0.000	0.0	247.52
09:50	0.000	0.000	0.000	0.0	247.52
09:55	0.000	0.000	0.000	0.0	247.52
10:00	0.000	0.000	0.000	0.0	247.52
10:05	0.000	0.000	0.000	0.0	247.52
10:10	0.000	0.000	0.000	0.0	247.52
10:15	0.000	0.000	0.000	0.0	247.52
10:20	0.000	0.000	0.000	0.0	247.52
10:25	0.000	0.000	0.000	0.0	247.52
10:30	0.000	0.000	0.000	0.0	247.52
10:35	0.000	0.000	0.000	0.0	247.52

Time	J	J	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	16.9	2.61	0.12
00:10	52.0	8.07	0.47
00:15	84.2	10.25	1.05
00:20	98.8	11.18	1.73
00:25	113.3	11.83	2.52
00:30	129.6	12.50	3.41
00:35	143.9	13.06	4.40
00:40	152.9	13.42	5.45
00:45	157.9	13.62	6.54
00:50	160.9	13.73	7.65
00:55	169.2	13.99	8.81
01:00	183.4	14.42	10.08
01:05	196.1	14.82	11.43
01:10	202.6	15.05	12.82
01:15	207.3	15.20	14.25
01:20	210.8	15.31	15.70
01:25	213.9	15.40	17.17
01:30	217.1	15.49	18.67
01:35	219.4	15.56	20.18
01:40	220.8	15.60	21.70
01:45	221.6	15.63	23.23
01:50	222.4	15.65	24.76
01:55	228.8	15.80	26.33
02:00	235.4	15.99	27.96
02:05	240.5	16.13	29.61
02:10	246.8	16.29	31.31
02:15	256.1	16.53	33.08
02:20	260.3	16.65	34.87
02:25	263.4	16.74	36.68
02:30	265.5	16.79	38.51
02:35	266.2	16.82	40.34
02:40	273.1	16.97	42.23
02:45	285.5	17.26	44.19
02:50	296.6	17.53	46.23
02:55	301.9	17.67	48.31
03:00	305.5	17.76	50.42
03:05	313.4	17.93	52.58
03:10	327.1	18.23	54.83
03:15	339.7	18.51	57.17
03:20	351.4	18.76	59.59
03:25	372.6	19.19	62.15
03:30	403.3	19.79	64.93
03:35	432.7	20.37	67.91
03:40	459.2	20.87	71.07
03:45	482.0	21.28	74.39
03:50	505.7	21.70	77.88
03:55	528.1	22.08	81.51
04:00	552.2	22.48	85.32
04:05	579.8	22.92	89.31
04:10	614.9	23.46	93.54
04:15	653.1	24.03	98.04
04:20	693.1	24.61	102.82
04:25	729.0	25.12	107.84
04:30	759.6	25.55	113.07
04:35	792.4	25.98	118.53
04:40	831.5	26.48	124.25
04:45	867.0	26.94	130.22
04:50	898.0	27.32	136.41
04:55	930.6	27.72	142.82
05:00	991.6	28.41	149.65
05:05	1101.9	29.60	157.23
05:10	1245.6	31.08	165.81
05:15	1386.1	32.45	175.36
05:20	1528.9	33.76	185.89
05:25	1716.7	35.35	197.71
05:30	1713.5	35.42	209.51

Time	J	J	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:35	1380.8	32.70	219.02
05:40	934.8	28.21	225.46
05:45	665.3	24.61	230.04
05:50	497.7	21.89	233.47
05:55	392.0	19.87	236.17
06:00	308.5	18.08	238.29
06:05	224.7	16.03	239.84
06:10	174.7	14.46	241.05
06:15	152.0	13.57	242.09
06:20	137.4	13.00	243.04
06:25	125.2	12.52	243.90
06:30	114.0	12.07	244.69
06:35	102.3	11.57	245.39
06:40	89.4	11.00	246.01
06:45	75.3	10.31	246.52
06:50	59.9	9.48	246.94
06:55	42.8	8.42	247.23
07:00	22.9	6.94	247.39
07:05	8.9	5.27	247.45
07:10	4.5	3.91	247.48
07:15	2.7	3.11	247.50
07:20	1.5	2.59	247.51
07:25	0.7	2.14	247.52
07:30	0.2	1.72	247.52
07:35	0.0	1.34	247.52
07:40	0.0	1.01	247.52
07:45	0.0	0.75	247.52
07:50	0.0	0.59	247.52
07:55	0.0	0.50	247.52
08:00	0.0	0.42	247.52
08:05	0.0	0.36	247.52
08:10	0.0	0.33	247.52
08:15	0.0	0.29	247.52
08:20	0.0	0.27	247.52
08:25	0.0	0.24	247.52
08:30	0.0	0.22	247.52
08:35	0.0	0.21	247.52
08:40	0.0	0.19	247.52
08:45	0.0	0.18	247.52
08:50	0.0	0.17	247.52
08:55	0.0	0.16	247.52
09:00	0.0	0.15	247.52
09:05	0.0	0.14	247.52
09:10	0.0	0.14	247.52
09:15	0.0	0.13	247.52
09:20	0.0	0.13	247.52
09:25	0.0	0.12	247.52
09:30	0.0	0.11	247.52
09:35	0.0	0.11	247.52
09:40	0.0	0.11	247.52
09:45	0.0	0.10	247.52
09:50	0.0	0.10	247.52
09:55	0.0	0.10	247.52
10:00	0.0	0.09	247.52
10:05	0.0	0.09	247.52
10:10	0.0	0.09	247.52
10:15	0.0	0.08	247.52
10:20	0.0	0.08	247.52
10:25	0.0	0.08	247.52
10:30	0.0	0.08	247.52
10:35	0.0	0.08	247.52

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	2.5	0.00	0.02
00:10	42.5	0.00	0.31
00:15	77.3	0.20	0.84
00:20	96.0	1.22	1.50
00:25	110.6	3.36	2.27
00:30	126.7	4.35	3.14
00:35	141.5	4.63	4.11
00:40	151.4	4.85	5.15
00:45	157.1	5.01	6.24
00:50	160.4	5.10	7.34
00:55	167.9	5.16	8.50
01:00	181.3	5.21	9.75
01:05	194.2	5.32	11.08
01:10	201.6	5.45	12.47
01:15	206.6	5.55	13.90
01:20	210.3	5.60	15.34
01:25	213.5	5.64	16.81
01:30	216.6	5.67	18.31
01:35	219.1	5.70	19.81
01:40	220.6	5.73	21.33
01:45	221.5	5.74	22.86
01:50	222.3	5.75	24.39
01:55	227.9	5.76	25.96
02:00	234.5	5.79	27.58
02:05	239.8	5.84	29.23
02:10	245.9	5.89	30.92
02:15	254.9	5.94	32.68
02:20	259.7	6.00	34.46
02:25	263.0	6.05	36.28
02:30	265.2	6.08	38.10
02:35	266.1	6.10	39.93
02:40	272.2	6.11	41.81
02:45	283.9	6.14	43.76
02:50	295.2	6.22	45.80
02:55	301.3	6.30	47.87
03:00	305.0	6.36	49.97
03:05	312.5	6.39	52.13
03:10	325.4	6.43	54.37
03:15	338.2	6.51	56.70
03:20	350.0	6.59	59.11
03:25	370.2	6.67	61.66
03:30	399.8	6.79	64.41
03:35	429.5	6.96	67.37
03:40	456.4	7.13	70.51
03:45	479.6	7.28	73.81
03:50	503.3	7.41	77.28
03:55	525.9	7.53	80.90
04:00	549.8	7.64	84.69
04:05	577.2	7.76	88.66
04:10	611.6	7.88	92.88
04:15	649.6	8.03	97.35
04:20	689.5	8.20	102.10
04:25	725.8	8.36	107.10
04:30	757.0	8.51	112.31
04:35	789.6	8.63	117.75
04:40	828.3	8.75	123.45
04:45	864.1	8.89	129.40
04:50	895.5	9.01	135.57
04:55	928.0	9.12	141.96
05:00	986.9	9.24	148.76
05:05	1093.7	9.45	156.29
05:10	1235.4	9.80	164.80
05:15	1376.5	10.20	174.28
05:20	1519.6	10.57	184.75
05:25	1705.0	10.95	196.49

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1713.4	11.26	208.29
05:35	1403.2	11.10	217.95
05:40	969.9	10.34	224.63
05:45	689.6	9.25	229.38
05:50	514.6	8.35	232.92
05:55	403.8	7.65	235.71
06:00	318.7	7.10	237.90
06:05	236.2	6.61	239.53
06:10	182.3	6.09	240.78
06:15	155.7	5.62	241.86
06:20	139.9	5.28	242.82
06:25	127.4	5.06	243.70
06:30	116.1	4.90	244.50
06:35	104.5	4.76	245.22
06:40	92.0	4.62	245.85
06:45	78.3	4.46	246.39
06:50	63.4	4.29	246.83
06:55	47.3	4.08	247.15
07:00	29.1	3.84	247.35
07:05	14.6	3.56	247.45
07:10	6.9	3.20	247.50
07:15	3.9	2.84	247.53
07:20	2.5	2.47	247.54
07:25	1.5	2.17	247.55
07:30	0.9	1.93	247.56
07:35	0.5	1.75	247.56
07:40	0.2	1.59	247.56
07:45	0.1	1.44	247.57
07:50	0.1	1.33	247.57
07:55	0.0	1.22	247.57
08:00	0.0	1.13	247.57
08:05	0.0	1.04	247.57
08:10	0.0	0.97	247.57
08:15	0.0	0.91	247.57
08:20	0.0	0.84	247.57
08:25	0.0	0.79	247.57
08:30	0.0	0.75	247.57
08:35	0.0	0.70	247.57
08:40	0.0	0.66	247.57
08:45	0.0	0.63	247.57
08:50	0.0	0.60	247.57
08:55	0.0	0.57	247.57
09:00	0.0	0.54	247.57
09:05	0.0	0.52	247.57
09:10	0.0	0.50	247.57
09:15	0.0	0.48	247.57
09:20	0.0	0.46	247.57
09:25	0.0	0.44	247.57
09:30	0.0	0.43	247.57
09:35	0.0	0.42	247.57
09:40	0.0	0.40	247.57
09:45	0.0	0.39	247.57
09:50	0.0	0.37	247.57
09:55	0.0	0.36	247.57
10:00	0.0	0.35	247.57
10:05	0.0	0.34	247.57
10:10	0.0	0.34	247.57
10:15	0.0	0.33	247.57
10:20	0.0	0.32	247.57
10:25	0.0	0.31	247.57
10:30	0.0	0.30	247.57
10:35	0.0	0.29	247.57

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	2.0	0.01
00:25	43.0	0.31
00:30	94.3	0.96
00:35	114.0	1.74
00:40	131.2	2.65
00:45	145.1	3.65
00:50	153.6	4.71
00:55	158.5	5.80
01:00	163.8	6.92
01:05	175.4	8.13
01:10	191.6	9.45
01:15	207.9	10.88
01:20	222.4	12.42
01:25	235.6	14.04
01:30	246.3	15.73
01:35	254.1	17.48
01:40	260.1	19.28
01:45	264.0	21.09
01:50	266.6	22.93
01:55	268.7	24.78
02:00	273.6	26.67
02:05	280.9	28.60
02:10	287.6	30.58
02:15	294.2	32.61
02:20	302.8	34.69
02:25	309.8	36.83
02:30	314.3	38.99
02:35	317.4	41.18
02:40	319.5	43.38
02:45	324.3	45.61
02:50	334.5	47.91
02:55	347.0	50.30
03:00	359.4	52.78
03:05	377.4	55.38
03:10	407.8	58.19
03:15	454.6	61.32
03:20	514.2	64.86
03:25	579.7	68.85
03:30	643.1	73.28
03:35	703.2	78.12
03:40	766.0	83.40
03:45	829.3	89.11
03:50	892.2	95.25
03:55	971.1	101.94
04:00	1063.2	109.27
04:05	1170.7	117.33
04:10	1283.5	126.17
04:15	1398.2	135.80
04:20	1530.5	146.34
04:25	1651.8	157.71
04:30	1773.1	169.92
04:35	1894.0	182.97
04:40	2022.0	196.89
04:45	2164.1	211.80
04:50	2302.0	227.65
04:55	2438.2	244.44
05:00	2575.0	262.18
05:05	2751.8	281.13
05:10	2979.9	301.65
05:15	3271.4	324.18
05:20	3597.8	348.96
05:25	3958.6	376.23

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	4221.6	405.30
05:35	4173.7	434.04
05:40	3857.0	460.61
05:45	3478.5	484.56
05:50	3227.6	506.79
05:55	3066.6	527.91
06:00	2959.4	548.29
06:05	2859.6	567.99
06:10	2437.8	584.78
06:15	1999.1	598.55
06:20	1669.1	610.04
06:25	1435.7	619.93
06:30	1241.6	628.48
06:35	1087.4	635.97
06:40	982.3	642.73
06:45	892.1	648.88
06:50	794.0	654.35
06:55	695.0	659.13
07:00	623.1	663.42
07:05	578.6	667.41
07:10	538.5	671.12
07:15	499.0	674.55
07:20	457.0	677.70
07:25	415.0	680.56
07:30	372.1	683.12
07:35	325.8	685.37
07:40	273.1	687.25
07:45	238.9	688.89
07:50	223.2	690.43
07:55	217.9	691.93
08:00	215.7	693.42
08:05	213.7	694.89
08:10	211.9	696.35
08:15	210.2	697.79
08:20	208.4	699.23
08:25	206.1	700.65
08:30	203.3	702.05
08:35	200.3	703.43
08:40	196.7	704.78
08:45	192.8	706.11
08:50	188.7	707.41
08:55	184.7	708.68
09:00	180.5	709.93
09:05	175.9	711.14
09:10	170.7	712.31
09:15	165.3	713.45
09:20	159.5	714.55
09:25	153.2	715.60
09:30	146.8	716.62
09:35	140.3	717.58
09:40	133.4	718.50
09:45	126.1	719.37
09:50	118.5	720.19
09:55	110.6	720.95
10:00	101.9	721.65
10:05	92.2	722.28
10:10	81.4	722.84
10:15	69.9	723.33
10:20	57.8	723.72
10:25	45.6	724.04
10:30	34.3	724.27
10:35	24.2	724.44

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.0	0.00	0.00
00:20	2.0	0.00	0.01
00:25	43.0	0.04	0.31
00:30	94.3	1.76	0.96
00:35	114.0	5.67	1.74
00:40	131.2	6.55	2.65
00:45	145.1	6.89	3.65
00:50	153.6	7.12	4.71
00:55	158.5	7.26	5.80
01:00	163.8	7.34	6.92
01:05	175.4	7.43	8.13
01:10	191.6	7.60	9.45
01:15	207.9	7.83	10.88
01:20	222.4	8.04	12.42
01:25	235.6	8.22	14.04
01:30	246.3	8.38	15.73
01:35	254.1	8.49	17.48
01:40	260.1	8.58	19.28
01:45	264.0	8.64	21.09
01:50	266.6	8.68	22.93
01:55	268.7	8.71	24.78
02:00	273.6	8.73	26.67
02:05	280.9	8.79	28.60
02:10	287.6	8.87	30.58
02:15	294.2	8.94	32.61
02:20	302.8	9.01	34.69
02:25	309.8	9.09	36.83
02:30	314.3	9.15	38.99
02:35	317.4	9.19	41.18
02:40	319.5	9.22	43.38
02:45	324.3	9.25	45.61
02:50	334.5	9.30	47.91
02:55	347.0	9.40	50.30
03:00	359.4	9.52	52.78
03:05	377.4	9.64	55.38
03:10	407.8	9.83	58.19
03:15	454.6	10.12	61.32
03:20	514.2	10.52	64.86
03:25	579.7	10.96	68.85
03:30	643.1	11.38	73.28
03:35	703.2	11.77	78.12
03:40	766.0	12.12	83.40
03:45	829.3	12.45	89.11
03:50	892.2	12.78	95.25
03:55	971.1	13.12	101.94
04:00	1063.2	13.50	109.27
04:05	1170.7	13.93	117.33
04:10	1283.5	14.38	126.17
04:15	1398.2	14.81	135.80
04:20	1530.5	15.25	146.34
04:25	1651.8	15.67	157.71
04:30	1773.1	16.06	169.92
04:35	1894.0	16.43	182.97
04:40	2022.0	16.79	196.89
04:45	2164.1	17.16	211.80
04:50	2302.0	17.53	227.65
04:55	2438.2	17.88	244.44
05:00	2575.0	18.21	262.18
05:05	2751.8	18.59	281.13
05:10	2979.9	19.06	301.65
05:15	3271.4	19.63	324.18
05:20	3597.8	20.25	348.96
05:25	3958.6	20.91	376.23

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	4221.6	21.43	405.30
05:35	4173.7	21.52	434.04
05:40	3857.0	21.13	460.61
05:45	3478.5	20.49	484.56
05:50	3227.6	19.93	506.79
05:55	3066.6	19.54	527.91
06:00	2959.4	19.28	548.29
06:05	2859.6	19.06	567.99
06:10	2437.8	18.39	584.78
06:15	1999.1	17.35	598.55
06:20	1669.1	16.33	610.04
06:25	1435.7	15.49	619.93
06:30	1241.6	14.77	628.48
06:35	1087.4	14.12	635.97
06:40	982.3	13.60	642.73
06:45	892.1	13.17	648.88
06:50	794.0	12.73	654.35
06:55	695.0	12.23	659.13
07:00	623.1	11.76	663.42
07:05	578.6	11.40	667.41
07:10	538.5	11.13	671.12
07:15	499.0	10.87	674.55
07:20	457.0	10.59	677.70
07:25	415.0	10.29	680.56
07:30	372.1	9.96	683.12
07:35	325.8	9.60	685.37
07:40	273.1	9.17	687.25
07:45	238.9	8.70	688.89
07:50	223.2	8.37	690.43
07:55	217.9	8.20	691.93
08:00	215.7	8.14	693.42
08:05	213.7	8.11	694.89
08:10	211.9	8.09	696.35
08:15	210.2	8.07	697.79
08:20	208.4	8.05	699.23
08:25	206.1	8.02	700.65
08:30	203.3	7.99	702.05
08:35	200.3	7.96	703.43
08:40	196.7	7.92	704.78
08:45	192.8	7.87	706.11
08:50	188.7	7.82	707.41
08:55	184.7	7.76	708.68
09:00	180.5	7.71	709.93
09:05	175.9	7.65	711.14
09:10	170.7	7.58	712.31
09:15	165.3	7.51	713.45
09:20	159.5	7.43	714.55
09:25	153.2	7.34	715.60
09:30	146.8	7.25	716.62
09:35	140.3	7.15	717.58
09:40	133.4	7.05	718.50
09:45	126.1	6.93	719.37
09:50	118.5	6.81	720.19
09:55	110.6	6.67	720.95
10:00	101.9	6.53	721.65
10:05	92.2	6.36	722.28
10:10	81.4	6.17	722.84
10:15	69.9	5.94	723.33
10:20	57.8	5.67	723.72
10:25	45.6	5.37	724.04
10:30	34.3	5.03	724.27
10:35	24.2	4.65	724.44

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.1	0.00	0.00
00:15	0.5	0.00	0.00
00:20	1.0	0.16	0.01
00:25	1.7	1.00	0.02
00:30	2.4	1.85	0.04
00:35	3.1	2.29	0.06
00:40	3.9	2.54	0.09
00:45	4.7	2.75	0.12
00:50	5.4	2.94	0.16
00:55	6.2	3.08	0.20
01:00	6.9	3.21	0.25
01:05	7.6	3.33	0.30
01:10	8.4	3.43	0.36
01:15	9.1	3.54	0.42
01:20	9.8	3.63	0.49
01:25	10.4	3.72	0.56
01:30	11.0	3.79	0.63
01:35	11.6	3.85	0.71
01:40	12.1	3.92	0.80
01:45	12.6	3.97	0.88
01:50	13.1	4.02	0.98
01:55	13.6	4.07	1.07
02:00	14.0	4.11	1.17
02:05	14.3	4.15	1.26
02:10	14.4	4.17	1.36
02:15	14.4	4.18	1.46
02:20	14.2	4.17	1.56
02:25	13.9	4.15	1.66
02:30	13.4	4.12	1.75
02:35	12.9	4.08	1.84
02:40	12.4	4.03	1.92
02:45	11.9	3.98	2.00
02:50	11.6	3.93	2.08
02:55	11.4	3.90	2.16
03:00	11.5	3.89	2.24
03:05	11.7	3.90	2.32
03:10	12.0	3.92	2.40
03:15	12.4	3.96	2.49
03:20	13.1	4.00	2.58
03:25	14.0	4.08	2.68
03:30	15.1	4.17	2.78
03:35	16.6	4.27	2.90
03:40	18.7	4.41	3.02
03:45	21.4	4.59	3.17
03:50	24.5	4.80	3.34
03:55	27.0	4.99	3.53
04:00	28.6	5.12	3.72
04:05	30.4	5.21	3.93
04:10	32.4	5.31	4.16
04:15	34.5	5.42	4.39
04:20	36.4	5.52	4.64
04:25	38.6	5.62	4.91
04:30	40.8	5.72	5.19
04:35	43.0	5.82	5.49
04:40	45.3	5.92	5.80
04:45	47.4	6.01	6.13
04:50	49.6	6.09	6.47
04:55	54.6	6.23	6.84
05:00	61.2	6.44	7.26
05:05	69.9	6.70	7.75
05:10	80.8	7.00	8.30
05:15	89.4	7.27	8.92
05:20	97.3	7.49	9.59
05:25	110.5	7.75	10.35

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	128.4	8.11	11.23
05:35	144.8	8.45	12.23
05:40	156.0	8.69	13.31
05:45	162.9	8.84	14.43
05:50	165.8	8.92	15.57
05:55	166.3	8.94	16.71
06:00	165.6	8.94	17.85
06:05	164.2	8.92	18.99
06:10	162.2	8.89	20.10
06:15	159.9	8.85	21.20
06:20	157.3	8.81	22.29
06:25	154.5	8.76	23.35
06:30	151.3	8.70	24.39
06:35	147.8	8.64	25.41
06:40	144.1	8.58	26.40
06:45	140.5	8.51	27.37
06:50	135.8	8.43	28.31
06:55	129.7	8.32	29.20
07:00	123.8	8.21	30.05
07:05	118.1	8.09	30.87
07:10	112.9	7.97	31.64
07:15	108.6	7.87	32.39
07:20	104.4	7.78	33.11
07:25	100.4	7.68	33.80
07:30	96.6	7.59	34.47
07:35	94.1	7.52	35.12
07:40	91.6	7.46	35.75
07:45	89.3	7.40	36.36
07:50	86.9	7.34	36.96
07:55	84.2	7.27	37.54
08:00	80.0	7.17	38.09
08:05	76.1	7.06	38.61
08:10	72.3	6.95	39.11
08:15	68.7	6.84	39.59
08:20	65.3	6.74	40.04
08:25	62.7	6.64	40.47
08:30	60.6	6.57	40.88
08:35	58.5	6.50	41.29
08:40	56.5	6.43	41.68
08:45	54.6	6.36	42.05
08:50	52.8	6.29	42.42
08:55	51.0	6.23	42.77
09:00	50.0	6.17	43.11
09:05	49.3	6.14	43.45
09:10	48.7	6.12	43.79
09:15	48.1	6.09	44.12
09:20	47.5	6.07	44.44
09:25	46.9	6.05	44.77
09:30	46.3	6.02	45.09
09:35	45.7	6.00	45.40
09:40	45.0	5.97	45.71
09:45	44.3	5.94	46.02
09:50	43.7	5.92	46.32
09:55	43.0	5.89	46.61
10:00	42.3	5.86	46.90
10:05	41.7	5.83	47.19
10:10	41.1	5.80	47.48
10:15	40.4	5.78	47.75
10:20	39.7	5.75	48.03
10:25	39.0	5.71	48.30
10:30	38.3	5.68	48.56
10:35	37.6	5.65	48.82

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	0.0	0.00
00:25	0.1	0.00
00:30	3.1	0.02
00:35	74.4	0.53
00:40	115.4	1.33
00:45	134.6	2.26
00:50	149.6	3.29
00:55	159.0	4.38
01:00	164.9	5.52
01:05	171.6	6.70
01:10	184.3	7.97
01:15	201.8	9.36
01:20	218.9	10.87
01:25	234.2	12.48
01:30	247.8	14.19
01:35	258.7	15.97
01:40	266.9	17.81
01:45	273.0	19.69
01:50	277.2	21.59
01:55	280.2	23.52
02:00	283.4	25.48
02:05	289.1	27.47
02:10	296.6	29.51
02:15	303.4	31.60
02:20	310.5	33.74
02:25	318.5	35.93
02:30	324.7	38.17
02:35	328.3	40.43
02:40	330.7	42.71
02:45	333.0	45.00
02:50	338.6	47.33
02:55	349.2	49.74
03:00	361.7	52.23
03:05	375.9	54.82
03:10	397.8	57.56
03:15	434.3	60.55
03:20	487.1	63.90
03:25	551.1	67.70
03:30	618.1	71.95
03:35	682.9	76.66
03:40	746.8	81.80
03:45	813.2	87.40
03:50	880.1	93.46
03:55	954.3	100.03
04:00	1042.9	107.22
04:05	1145.9	115.11
04:10	1259.6	123.78
04:15	1377.1	133.27
04:20	1504.9	143.63
04:25	1634.9	154.89
04:30	1759.7	167.01
04:35	1884.2	179.99
04:40	2012.5	193.85
04:45	2152.3	208.67
04:50	2295.2	224.48
04:55	2436.8	241.26
05:00	2580.2	259.03
05:05	2750.8	277.98
05:10	2971.7	298.44
05:15	3252.8	320.84
05:20	3578.6	345.49
05:25	3942.5	372.64

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	4256.7	401.96
05:35	4327.9	431.76
05:40	4114.3	460.10
05:45	3768.9	486.06
05:50	3480.9	510.03
05:55	3290.6	532.69
06:00	3164.4	554.49
06:05	3061.1	575.57
06:10	2762.4	594.59
06:15	2338.3	610.70
06:20	1968.7	624.25
06:25	1696.7	635.94
06:30	1486.1	646.17
06:35	1313.0	655.22
06:40	1182.0	663.36
06:45	1082.0	670.81
06:50	985.5	677.60
06:55	883.7	683.68
07:00	792.1	689.14
07:05	726.3	694.14
07:10	678.7	698.81
07:15	634.8	703.19
07:20	590.9	707.26
07:25	545.7	711.01
07:30	500.5	714.46
07:35	454.7	717.59
07:40	405.8	720.39
07:45	356.8	722.85
07:50	324.5	725.08
07:55	307.9	727.20
08:00	299.6	729.26
08:05	293.3	731.28
08:10	287.6	733.26
08:15	282.1	735.21
08:20	276.9	737.11
08:25	272.0	738.99
08:30	267.3	740.83
08:35	262.5	742.64
08:40	257.4	744.41
08:45	251.8	746.14
08:50	246.1	747.84
08:55	240.3	749.49
09:00	234.8	751.11
09:05	229.8	752.69
09:10	224.5	754.24
09:15	218.8	755.75
09:20	212.8	757.21
09:25	206.4	758.63
09:30	199.6	760.01
09:35	192.7	761.33
09:40	185.6	762.61
09:45	178.1	763.84
09:50	170.3	765.01
09:55	162.3	766.13
10:00	153.9	767.19
10:05	144.8	768.19
10:10	134.9	769.12
10:15	124.1	769.97
10:20	112.6	770.75
10:25	100.7	771.44
10:30	88.9	772.05
10:35	77.7	772.59

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.0	0.00	0.00
00:20	0.0	0.00	0.00
00:25	0.1	0.00	0.00
00:30	3.1	0.00	0.02
00:35	74.4	0.00	0.53
00:40	115.4	0.00	1.33
00:45	134.6	0.05	2.26
00:50	149.6	1.15	3.29
00:55	159.0	3.10	4.38
01:00	164.9	4.84	5.52
01:05	171.6	5.65	6.70
01:10	184.3	5.88	7.97
01:15	201.8	5.97	9.36
01:20	218.9	6.07	10.87
01:25	234.2	6.24	12.48
01:30	247.8	6.44	14.19
01:35	258.7	6.62	15.97
01:40	266.9	6.77	17.81
01:45	273.0	6.89	19.69
01:50	277.2	6.98	21.59
01:55	280.2	7.04	23.52
02:00	283.4	7.08	25.48
02:05	289.1	7.12	27.47
02:10	296.6	7.14	29.51
02:15	303.4	7.18	31.60
02:20	310.5	7.24	33.74
02:25	318.5	7.30	35.93
02:30	324.7	7.36	38.17
02:35	328.3	7.42	40.43
02:40	330.7	7.48	42.71
02:45	333.0	7.51	45.00
02:50	338.6	7.53	47.33
02:55	349.2	7.55	49.74
03:00	361.7	7.59	52.23
03:05	375.9	7.67	54.82
03:10	397.8	7.76	57.56
03:15	434.3	7.86	60.55
03:20	487.1	8.03	63.90
03:25	551.1	8.27	67.70
03:30	618.1	8.63	71.95
03:35	682.9	9.02	76.66
03:40	746.8	9.40	81.80
03:45	813.2	9.73	87.40
03:50	880.1	10.04	93.46
03:55	954.3	10.34	100.03
04:00	1042.9	10.64	107.22
04:05	1145.9	10.97	115.11
04:10	1259.6	11.33	123.78
04:15	1377.1	11.72	133.27
04:20	1504.9	12.10	143.63
04:25	1634.9	12.49	154.89
04:30	1759.7	12.87	167.01
04:35	1884.2	13.22	179.99
04:40	2012.5	13.55	193.85
04:45	2152.3	13.87	208.67
04:50	2295.2	14.19	224.48
04:55	2436.8	14.52	241.26
05:00	2580.2	14.82	259.03
05:05	2750.8	15.13	277.98
05:10	2971.7	15.46	298.44
05:15	3252.8	15.88	320.84
05:20	3578.6	16.39	345.49
05:25	3942.5	16.95	372.64

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	4256.7	17.52	401.96
05:35	4327.9	17.95	431.76
05:40	4114.3	18.03	460.10
05:45	3768.9	17.72	486.06
05:50	3480.9	17.22	510.03
05:55	3290.6	16.78	532.69
06:00	3164.4	16.47	554.49
06:05	3061.1	16.25	575.57
06:10	2762.4	16.07	594.59
06:15	2338.3	15.54	610.70
06:20	1968.7	14.76	624.25
06:25	1696.7	13.98	635.94
06:30	1486.1	13.31	646.17
06:35	1313.0	12.74	655.22
06:40	1182.0	12.23	663.36
06:45	1082.0	11.80	670.81
06:50	985.5	11.43	677.60
06:55	883.7	11.10	683.68
07:00	792.1	10.74	689.14
07:05	726.3	10.37	694.14
07:10	678.7	10.04	698.81
07:15	634.8	9.78	703.19
07:20	590.9	9.57	707.26
07:25	545.7	9.36	711.01
07:30	500.5	9.14	714.46
07:35	454.7	8.90	717.59
07:40	405.8	8.65	720.39
07:45	356.8	8.39	722.85
07:50	324.5	8.09	725.08
07:55	307.9	7.78	727.20
08:00	299.6	7.55	729.26
08:05	293.3	7.39	731.28
08:10	287.6	7.31	733.26
08:15	282.1	7.25	735.21
08:20	276.9	7.20	737.11
08:25	272.0	7.16	738.99
08:30	267.3	7.11	740.83
08:35	262.5	7.07	742.64
08:40	257.4	7.03	744.41
08:45	251.8	6.98	746.14
08:50	246.1	6.94	747.84
08:55	240.3	6.89	749.49
09:00	234.8	6.84	751.11
09:05	229.8	6.79	752.69
09:10	224.5	6.73	754.24
09:15	218.8	6.68	755.75
09:20	212.8	6.63	757.21
09:25	206.4	6.58	758.63
09:30	199.6	6.52	760.01
09:35	192.7	6.46	761.33
09:40	185.6	6.39	762.61
09:45	178.1	6.32	763.84
09:50	170.3	6.25	765.01
09:55	162.3	6.17	766.13
10:00	153.9	6.08	767.19
10:05	144.8	5.99	768.19
10:10	134.9	5.90	769.12
10:15	124.1	5.79	769.97
10:20	112.6	5.68	770.75
10:25	100.7	5.55	771.44
10:30	88.9	5.41	772.05
10:35	77.7	5.25	772.59

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	3.5	0.02
02:50	0.032	0.029	0.003	9.6	0.09
02:55	0.032	0.029	0.003	18.2	0.22
03:00	0.032	0.029	0.003	25.7	0.39
03:05	0.032	0.029	0.003	29.8	0.60
03:10	0.035	0.029	0.006	36.4	0.85
03:15	0.035	0.029	0.006	45.4	1.16
03:20	0.035	0.029	0.006	56.7	1.55
03:25	0.038	0.029	0.009	70.1	2.03
03:30	0.042	0.029	0.012	86.5	2.63
03:35	0.045	0.029	0.016	111.2	3.40
03:40	0.045	0.029	0.016	139.5	4.36
03:45	0.048	0.029	0.019	168.3	5.52
03:50	0.048	0.029	0.019	192.7	6.84
03:55	0.051	0.029	0.022	217.9	8.34
04:00	0.051	0.029	0.022	241.8	10.01
04:05	0.054	0.029	0.025	266.7	11.85
04:10	0.058	0.029	0.028	293.7	13.87
04:15	0.061	0.029	0.032	325.4	16.11
04:20	0.064	0.029	0.035	363.1	18.61
04:25	0.067	0.029	0.038	403.3	21.39
04:30	0.067	0.029	0.038	441.2	24.43
04:35	0.070	0.029	0.041	477.2	27.71
04:40	0.074	0.029	0.044	511.9	31.24
04:45	0.077	0.029	0.048	548.5	35.02
04:50	0.077	0.029	0.048	586.0	39.05
04:55	0.080	0.029	0.051	622.5	43.34
05:00	0.083	0.029	0.054	657.7	47.87
05:05	0.099	0.029	0.070	710.8	52.76
05:10	0.115	0.029	0.086	796.0	58.25
05:15	0.125	0.029	0.096	914.5	64.54
05:20	0.134	0.029	0.105	1053.7	71.80
05:25	0.150	0.029	0.121	1200.8	80.07

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	1374.0	89.53
05:35	0.061	0.029	0.032	1414.7	99.28
05:40	0.029	0.029	0.000	1302.4	108.25
05:45	0.019	0.019	0.000	1006.9	115.18
05:50	0.016	0.016	0.000	686.6	119.91
05:55	0.010	0.010	0.000	496.2	123.33
06:00	0.006	0.006	0.000	389.6	126.01
06:05	0.000	0.000	0.000	310.4	128.15
06:10	0.000	0.000	0.000	251.1	129.88
06:15	0.000	0.000	0.000	217.0	131.37
06:20	0.000	0.000	0.000	185.8	132.65
06:25	0.000	0.000	0.000	149.3	133.68
06:30	0.000	0.000	0.000	113.0	134.46
06:35	0.000	0.000	0.000	103.1	135.17
06:40	0.000	0.000	0.000	99.6	135.85
06:45	0.000	0.000	0.000	95.9	136.51
06:50	0.000	0.000	0.000	92.1	137.15
06:55	0.000	0.000	0.000	87.9	137.75
07:00	0.000	0.000	0.000	83.5	138.33
07:05	0.000	0.000	0.000	78.8	138.87
07:10	0.000	0.000	0.000	74.0	139.38
07:15	0.000	0.000	0.000	68.9	139.86
07:20	0.000	0.000	0.000	63.2	140.29
07:25	0.000	0.000	0.000	55.9	140.68
07:30	0.000	0.000	0.000	47.2	141.00
07:35	0.000	0.000	0.000	37.5	141.26
07:40	0.000	0.000	0.000	26.8	141.44
07:45	0.000	0.000	0.000	14.1	141.54
07:50	0.000	0.000	0.000	2.3	141.56
07:55	0.000	0.000	0.000	0.0	141.56
08:00	0.000	0.000	0.000	0.0	141.56
08:05	0.000	0.000	0.000	0.0	141.56
08:10	0.000	0.000	0.000	0.0	141.56
08:15	0.000	0.000	0.000	0.0	141.56
08:20	0.000	0.000	0.000	0.0	141.56
08:25	0.000	0.000	0.000	0.0	141.56
08:30	0.000	0.000	0.000	0.0	141.56
08:35	0.000	0.000	0.000	0.0	141.56
08:40	0.000	0.000	0.000	0.0	141.56
08:45	0.000	0.000	0.000	0.0	141.56
08:50	0.000	0.000	0.000	0.0	141.56
08:55	0.000	0.000	0.000	0.0	141.56
09:00	0.000	0.000	0.000	0.0	141.56
09:05	0.000	0.000	0.000	0.0	141.56
09:10	0.000	0.000	0.000	0.0	141.56
09:15	0.000	0.000	0.000	0.0	141.56
09:20	0.000	0.000	0.000	0.0	141.56
09:25	0.000	0.000	0.000	0.0	141.56
09:30	0.000	0.000	0.000	0.0	141.56
09:35	0.000	0.000	0.000	0.0	141.56
09:40	0.000	0.000	0.000	0.0	141.56
09:45	0.000	0.000	0.000	0.0	141.56
09:50	0.000	0.000	0.000	0.0	141.56
09:55	0.000	0.000	0.000	0.0	141.56
10:00	0.000	0.000	0.000	0.0	141.56
10:05	0.000	0.000	0.000	0.0	141.56
10:10	0.000	0.000	0.000	0.0	141.56
10:15	0.000	0.000	0.000	0.0	141.56
10:20	0.000	0.000	0.000	0.0	141.56
10:25	0.000	0.000	0.000	0.0	141.56
10:30	0.000	0.000	0.000	0.0	141.56
10:35	0.000	0.000	0.000	0.0	141.56

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.4	0.00
00:10	0.019	0.019	0.001	1.0	0.01
00:15	0.019	0.019	0.001	2.0	0.02
00:20	0.019	0.019	0.001	3.2	0.05
00:25	0.019	0.019	0.001	4.4	0.08
00:30	0.022	0.022	0.001	5.3	0.11
00:35	0.022	0.022	0.001	5.9	0.15
00:40	0.022	0.022	0.001	6.5	0.20
00:45	0.022	0.022	0.001	7.0	0.25
00:50	0.022	0.022	0.001	7.5	0.30
00:55	0.022	0.022	0.001	7.8	0.35
01:00	0.026	0.025	0.001	8.1	0.41
01:05	0.026	0.025	0.001	8.4	0.46
01:10	0.026	0.025	0.001	8.8	0.53
01:15	0.026	0.025	0.001	9.2	0.59
01:20	0.026	0.025	0.001	9.6	0.65
01:25	0.026	0.025	0.001	9.8	0.72
01:30	0.026	0.025	0.001	9.9	0.79
01:35	0.026	0.025	0.001	10.1	0.86
01:40	0.026	0.025	0.001	10.2	0.93
01:45	0.026	0.025	0.001	10.3	1.00
01:50	0.026	0.025	0.001	10.4	1.07
01:55	0.026	0.025	0.001	10.4	1.14
02:00	0.029	0.025	0.004	13.1	1.23
02:05	0.026	0.025	0.001	13.8	1.33
02:10	0.029	0.025	0.004	18.4	1.46
02:15	0.029	0.025	0.004	23.2	1.62
02:20	0.029	0.025	0.004	27.6	1.81
02:25	0.029	0.025	0.004	32.5	2.03
02:30	0.029	0.025	0.004	37.1	2.29
02:35	0.029	0.025	0.004	40.2	2.56
02:40	0.029	0.025	0.004	42.7	2.86
02:45	0.032	0.025	0.007	47.3	3.18
02:50	0.032	0.025	0.007	51.7	3.54
02:55	0.032	0.025	0.007	58.8	3.94
03:00	0.032	0.025	0.007	67.0	4.40
03:05	0.032	0.025	0.007	74.0	4.91
03:10	0.035	0.025	0.010	81.8	5.48
03:15	0.035	0.025	0.010	88.9	6.09
03:20	0.035	0.025	0.010	96.8	6.76
03:25	0.038	0.025	0.013	109.1	7.51
03:30	0.042	0.025	0.017	123.4	8.36
03:35	0.045	0.025	0.020	140.7	9.33
03:40	0.045	0.025	0.020	160.9	10.44
03:45	0.048	0.025	0.023	185.7	11.71
03:50	0.048	0.025	0.023	209.6	13.16
03:55	0.051	0.025	0.026	234.0	14.77
04:00	0.051	0.025	0.026	255.8	16.53
04:05	0.054	0.025	0.029	278.2	18.45
04:10	0.058	0.025	0.033	302.4	20.53
04:15	0.061	0.025	0.036	328.9	22.79
04:20	0.064	0.025	0.039	358.8	25.27
04:25	0.067	0.025	0.042	392.4	27.97
04:30	0.067	0.025	0.042	426.0	30.90
04:35	0.070	0.025	0.045	460.6	34.07
04:40	0.074	0.025	0.049	494.9	37.48
04:45	0.077	0.025	0.052	528.0	41.12
04:50	0.077	0.025	0.052	560.3	44.98
04:55	0.080	0.025	0.055	594.1	49.07
05:00	0.083	0.025	0.058	628.0	53.39
05:05	0.099	0.025	0.074	672.3	58.02
05:10	0.115	0.025	0.090	732.6	63.07
05:15	0.125	0.025	0.100	812.2	68.66
05:20	0.134	0.025	0.109	916.5	74.98
05:25	0.150	0.025	0.125	1041.0	82.15

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.025	0.154	1186.7	90.32
05:35	0.061	0.025	0.036	1231.2	98.80
05:40	0.029	0.025	0.004	1226.0	107.24
05:45	0.019	0.019	0.001	1123.8	114.98
05:50	0.016	0.016	0.000	912.4	121.26
05:55	0.010	0.009	0.000	686.7	125.99
06:00	0.006	0.006	0.000	519.3	129.57
06:05	0.000	0.000	0.000	409.7	132.39
06:10	0.000	0.000	0.000	343.1	134.75
06:15	0.000	0.000	0.000	294.5	136.78
06:20	0.000	0.000	0.000	242.3	138.45
06:25	0.000	0.000	0.000	213.6	139.92
06:30	0.000	0.000	0.000	193.6	141.26
06:35	0.000	0.000	0.000	173.6	142.45
06:40	0.000	0.000	0.000	151.7	143.50
06:45	0.000	0.000	0.000	126.7	144.37
06:50	0.000	0.000	0.000	97.5	145.04
06:55	0.000	0.000	0.000	89.6	145.66
07:00	0.000	0.000	0.000	87.2	146.26
07:05	0.000	0.000	0.000	85.3	146.85
07:10	0.000	0.000	0.000	83.3	147.42
07:15	0.000	0.000	0.000	81.2	147.98
07:20	0.000	0.000	0.000	78.8	148.52
07:25	0.000	0.000	0.000	76.2	149.05
07:30	0.000	0.000	0.000	73.5	149.55
07:35	0.000	0.000	0.000	70.6	150.04
07:40	0.000	0.000	0.000	67.6	150.50
07:45	0.000	0.000	0.000	64.3	150.95
07:50	0.000	0.000	0.000	60.9	151.37
07:55	0.000	0.000	0.000	57.4	151.76
08:00	0.000	0.000	0.000	53.7	152.13
08:05	0.000	0.000	0.000	49.8	152.47
08:10	0.000	0.000	0.000	45.3	152.79
08:15	0.000	0.000	0.000	39.7	153.06
08:20	0.000	0.000	0.000	33.2	153.29
08:25	0.000	0.000	0.000	26.0	153.47
08:30	0.000	0.000	0.000	18.0	153.59
08:35	0.000	0.000	0.000	8.5	153.65
08:40	0.000	0.000	0.000	1.7	153.66
08:45	0.000	0.000	0.000	0.2	153.66
08:50	0.000	0.000	0.000	0.1	153.66
08:55	0.000	0.000	0.000	0.1	153.66
09:00	0.000	0.000	0.000	0.0	153.66
09:05	0.000	0.000	0.000	0.0	153.66
09:10	0.000	0.000	0.000	0.0	153.66
09:15	0.000	0.000	0.000	0.0	153.66
09:20	0.000	0.000	0.000	0.0	153.66
09:25	0.000	0.000	0.000	0.0	153.66
09:30	0.000	0.000	0.000	0.0	153.66
09:35	0.000	0.000	0.000	0.0	153.66
09:40	0.000	0.000	0.000	0.0	153.66
09:45	0.000	0.000	0.000	0.0	153.66
09:50	0.000	0.000	0.000	0.0	153.66
09:55	0.000	0.000	0.000	0.0	153.66
10:00	0.000	0.000	0.000	0.0	153.66
10:05	0.000	0.000	0.000	0.0	153.66
10:10	0.000	0.000	0.000	0.0	153.66
10:15	0.000	0.000	0.000	0.0	153.66
10:20	0.000	0.000	0.000	0.0	153.66
10:25	0.000	0.000	0.000	0.0	153.66
10:30	0.000	0.000	0.000	0.0	153.66
10:35	0.000	0.000	0.000	0.0	153.66

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.032	0.000	0.0	0.00
02:50	0.032	0.032	0.000	0.1	0.00
02:55	0.032	0.032	0.000	0.2	0.00
03:00	0.032	0.032	0.000	0.2	0.00
03:05	0.032	0.032	0.000	0.2	0.00
03:10	0.035	0.032	0.004	0.5	0.01
03:15	0.035	0.032	0.004	1.2	0.02
03:20	0.035	0.032	0.004	1.7	0.03
03:25	0.038	0.032	0.007	2.3	0.04
03:30	0.042	0.032	0.010	3.4	0.07
03:35	0.045	0.032	0.013	5.0	0.10
03:40	0.045	0.032	0.013	6.6	0.15
03:45	0.048	0.032	0.016	8.0	0.20
03:50	0.048	0.032	0.016	9.2	0.27
03:55	0.051	0.032	0.020	10.4	0.34
04:00	0.051	0.032	0.020	11.6	0.42
04:05	0.054	0.032	0.023	12.9	0.51
04:10	0.058	0.032	0.026	14.4	0.61
04:15	0.061	0.032	0.029	16.2	0.72
04:20	0.064	0.032	0.032	18.3	0.84
04:25	0.067	0.032	0.036	20.4	0.98
04:30	0.067	0.032	0.036	22.4	1.14
04:35	0.070	0.032	0.039	24.0	1.30
04:40	0.074	0.032	0.042	25.8	1.48
04:45	0.077	0.032	0.045	27.9	1.67
04:50	0.077	0.032	0.045	29.8	1.88
04:55	0.080	0.032	0.048	31.4	2.09
05:00	0.083	0.032	0.052	33.2	2.32
05:05	0.099	0.032	0.068	36.5	2.57
05:10	0.115	0.032	0.084	42.4	2.87
05:15	0.125	0.032	0.093	50.1	3.21
05:20	0.134	0.032	0.103	57.7	3.61
05:25	0.150	0.032	0.119	65.4	4.06

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.032	0.148	75.5	4.58
05:35	0.061	0.032	0.029	75.3	5.10
05:40	0.029	0.029	0.000	57.7	5.49
05:45	0.019	0.019	0.000	35.1	5.74
05:50	0.016	0.016	0.000	23.1	5.90
05:55	0.010	0.010	0.000	16.7	6.01
06:00	0.006	0.006	0.000	13.0	6.10
06:05	0.000	0.000	0.000	10.4	6.17
06:10	0.000	0.000	0.000	7.5	6.22
06:15	0.000	0.000	0.000	6.0	6.26
06:20	0.000	0.000	0.000	5.6	6.30
06:25	0.000	0.000	0.000	5.3	6.34
06:30	0.000	0.000	0.000	5.0	6.37
06:35	0.000	0.000	0.000	4.6	6.40
06:40	0.000	0.000	0.000	4.2	6.43
06:45	0.000	0.000	0.000	3.7	6.46
06:50	0.000	0.000	0.000	3.1	6.48
06:55	0.000	0.000	0.000	2.4	6.50
07:00	0.000	0.000	0.000	1.6	6.51
07:05	0.000	0.000	0.000	0.7	6.51
07:10	0.000	0.000	0.000	0.1	6.51
07:15	0.000	0.000	0.000	0.0	6.51
07:20	0.000	0.000	0.000	0.0	6.51
07:25	0.000	0.000	0.000	0.0	6.51
07:30	0.000	0.000	0.000	0.0	6.51
07:35	0.000	0.000	0.000	0.0	6.51
07:40	0.000	0.000	0.000	0.0	6.51
07:45	0.000	0.000	0.000	0.0	6.51
07:50	0.000	0.000	0.000	0.0	6.51
07:55	0.000	0.000	0.000	0.0	6.51
08:00	0.000	0.000	0.000	0.0	6.51
08:05	0.000	0.000	0.000	0.0	6.51
08:10	0.000	0.000	0.000	0.0	6.51
08:15	0.000	0.000	0.000	0.0	6.51
08:20	0.000	0.000	0.000	0.0	6.51
08:25	0.000	0.000	0.000	0.0	6.51
08:30	0.000	0.000	0.000	0.0	6.51
08:35	0.000	0.000	0.000	0.0	6.51
08:40	0.000	0.000	0.000	0.0	6.51
08:45	0.000	0.000	0.000	0.0	6.51
08:50	0.000	0.000	0.000	0.0	6.51
08:55	0.000	0.000	0.000	0.0	6.51
09:00	0.000	0.000	0.000	0.0	6.51
09:05	0.000	0.000	0.000	0.0	6.51
09:10	0.000	0.000	0.000	0.0	6.51
09:15	0.000	0.000	0.000	0.0	6.51
09:20	0.000	0.000	0.000	0.0	6.51
09:25	0.000	0.000	0.000	0.0	6.51
09:30	0.000	0.000	0.000	0.0	6.51
09:35	0.000	0.000	0.000	0.0	6.51
09:40	0.000	0.000	0.000	0.0	6.51
09:45	0.000	0.000	0.000	0.0	6.51
09:50	0.000	0.000	0.000	0.0	6.51
09:55	0.000	0.000	0.000	0.0	6.51
10:00	0.000	0.000	0.000	0.0	6.51
10:05	0.000	0.000	0.000	0.0	6.51
10:10	0.000	0.000	0.000	0.0	6.51
10:15	0.000	0.000	0.000	0.0	6.51
10:20	0.000	0.000	0.000	0.0	6.51
10:25	0.000	0.000	0.000	0.0	6.51
10:30	0.000	0.000	0.000	0.0	6.51
10:35	0.000	0.000	0.000	0.0	6.51

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.4	0.00
00:10	1.0	0.01
00:15	2.0	0.02
00:20	3.2	0.05
00:25	4.4	0.08
00:30	5.3	0.11
00:35	5.9	0.15
00:40	6.5	0.20
00:45	7.0	0.25
00:50	8.8	0.31
00:55	32.0	0.53
01:00	97.7	1.20
01:05	150.3	2.23
01:10	168.0	3.39
01:15	175.5	4.60
01:20	184.7	5.87
01:25	199.8	7.25
01:30	218.5	8.75
01:35	236.0	10.38
01:40	251.3	12.11
01:45	264.4	13.93
01:50	274.0	15.82
01:55	281.1	17.75
02:00	288.7	19.74
02:05	293.0	21.76
02:10	300.7	23.83
02:15	310.5	25.97
02:20	321.9	28.19
02:25	334.0	30.49
02:30	345.7	32.87
02:35	356.6	35.32
02:40	365.7	37.84
02:45	378.3	40.45
02:50	391.6	43.14
02:55	410.0	45.97
03:00	430.5	48.93
03:05	451.5	52.04
03:10	478.5	55.34
03:15	510.1	58.85
03:20	553.1	62.66
03:25	616.5	66.91
03:30	705.9	71.77
03:35	817.2	77.40
03:40	940.6	83.87
03:45	1062.6	91.19
03:50	1181.3	99.33
03:55	1301.8	108.29
04:00	1420.7	118.08
04:05	1555.1	128.79
04:10	1706.7	140.54
04:15	1883.0	153.51
04:20	2072.4	167.78
04:25	2279.2	183.48
04:30	2486.3	200.60
04:35	2687.9	219.11
04:40	2888.6	239.01
04:45	3091.7	260.30
04:50	3303.9	283.06
04:55	3522.1	307.31
05:00	3738.5	333.06
05:05	3986.2	360.51
05:10	4310.9	390.20
05:15	4741.3	422.86
05:20	5280.8	459.22
05:25	5896.0	499.83

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	6589.7	545.21
05:35	6971.4	593.23
05:40	6885.8	640.65
05:45	6256.5	683.74
05:50	5381.7	720.80
05:55	4681.4	753.04
06:00	4216.7	782.08
06:05	3898.5	808.93
06:10	3666.7	834.19
06:15	3299.2	856.91
06:20	2824.4	876.36
06:25	2406.3	892.93
06:30	2074.1	907.22
06:35	1830.4	919.82
06:40	1629.6	931.05
06:45	1461.2	941.11
06:50	1319.7	950.20
06:55	1213.0	958.55
07:00	1111.0	966.20
07:05	1011.4	973.17
07:10	926.8	979.55
07:15	862.2	985.49
07:20	809.2	991.06
07:25	757.0	996.28
07:30	703.1	1001.12
07:35	647.4	1005.58
07:40	590.7	1009.65
07:45	531.5	1013.31
07:50	470.8	1016.55
07:55	419.8	1019.44
08:00	386.0	1022.10
08:05	362.0	1024.59
08:10	347.2	1026.98
08:15	334.9	1029.29
08:20	322.6	1031.51
08:25	309.9	1033.64
08:30	296.7	1035.69
08:35	282.3	1037.63
08:40	270.8	1039.50
08:45	264.6	1041.32
08:50	259.5	1043.11
08:55	254.2	1044.86
09:00	248.6	1046.57
09:05	242.9	1048.24
09:10	237.4	1049.88
09:15	232.3	1051.48
09:20	227.2	1053.04
09:25	221.8	1054.57
09:30	216.1	1056.06
09:35	210.0	1057.50
09:40	203.7	1058.91
09:45	197.0	1060.26
09:50	190.3	1061.57
09:55	183.3	1062.84
10:00	176.0	1064.05
10:05	168.4	1065.21
10:10	160.7	1066.32
10:15	152.5	1067.37
10:20	143.9	1068.36
10:25	134.5	1069.28
10:30	124.5	1070.14
10:35	114.0	1070.93

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.4	0.00	0.00
00:10	1.0	0.00	0.01
00:15	2.0	0.00	0.02
00:20	3.2	0.00	0.05
00:25	4.4	0.00	0.08
00:30	5.3	0.00	0.11
00:35	5.9	0.00	0.15
00:40	6.5	0.00	0.20
00:45	7.0	0.11	0.25
00:50	8.8	0.15	0.31
00:55	32.0	0.38	0.53
01:00	97.7	0.61	1.20
01:05	150.3	0.90	2.23
01:10	168.0	1.92	3.39
01:15	175.5	3.72	4.60
01:20	184.7	4.92	5.87
01:25	199.8	5.20	7.25
01:30	218.5	5.30	8.75
01:35	236.0	5.43	10.38
01:40	251.3	5.61	12.11
01:45	264.4	5.78	13.93
01:50	274.0	5.91	15.82
01:55	281.1	6.02	17.75
02:00	288.7	6.10	19.74
02:05	293.0	6.16	21.76
02:10	300.7	6.21	23.83
02:15	310.5	6.25	25.97
02:20	321.9	6.31	28.19
02:25	334.0	6.38	30.49
02:30	345.7	6.46	32.87
02:35	356.6	6.55	35.32
02:40	365.7	6.63	37.84
02:45	378.3	6.70	40.45
02:50	391.6	6.76	43.14
02:55	410.0	6.84	45.97
03:00	430.5	6.94	48.93
03:05	451.5	7.05	52.04
03:10	478.5	7.18	55.34
03:15	510.1	7.31	58.85
03:20	553.1	7.47	62.66
03:25	616.5	7.67	66.91
03:30	705.9	7.94	71.77
03:35	817.2	8.32	77.40
03:40	940.6	8.76	83.87
03:45	1062.6	9.24	91.19
03:50	1181.3	9.68	99.33
03:55	1301.8	10.08	108.29
04:00	1420.7	10.44	118.08
04:05	1555.1	10.78	128.79
04:10	1706.7	11.14	140.54
04:15	1883.0	11.52	153.51
04:20	2072.4	11.93	167.78
04:25	2279.2	12.35	183.48
04:30	2486.3	12.78	200.60
04:35	2687.9	13.18	219.11
04:40	2888.6	13.54	239.01
04:45	3091.7	13.89	260.30
04:50	3303.9	14.23	283.06
04:55	3522.1	14.57	307.31
05:00	3738.5	14.90	333.06
05:05	3986.2	15.22	360.51
05:10	4310.9	15.59	390.20
05:15	4741.3	16.05	422.86
05:20	5280.8	16.63	459.22
05:25	5896.0	17.29	499.83

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	6589.7	17.99	545.21
05:35	6971.4	18.58	593.23
05:40	6885.8	18.78	640.65
05:45	6256.5	18.52	683.74
05:50	5381.7	17.82	720.80
05:55	4681.4	16.96	753.04
06:00	4216.7	16.22	782.08
06:05	3898.5	15.69	808.93
06:10	3666.7	15.29	834.19
06:15	3299.2	14.93	856.91
06:20	2824.4	14.37	876.36
06:25	2406.3	13.64	892.93
06:30	2074.1	12.94	907.22
06:35	1830.4	12.32	919.82
06:40	1629.6	11.81	931.05
06:45	1461.2	11.36	941.11
06:50	1319.7	10.95	950.20
06:55	1213.0	10.58	958.55
07:00	1111.0	10.28	966.20
07:05	1011.4	9.98	973.17
07:10	926.8	9.68	979.55
07:15	862.2	9.39	985.49
07:20	809.2	9.16	991.06
07:25	757.0	8.95	996.28
07:30	703.1	8.76	1001.12
07:35	647.4	8.55	1005.58
07:40	590.7	8.33	1009.65
07:45	531.5	8.09	1013.31
07:50	470.8	7.83	1016.55
07:55	419.8	7.54	1019.44
08:00	386.0	7.25	1022.10
08:05	362.0	7.01	1024.59
08:10	347.2	6.83	1026.98
08:15	334.9	6.70	1029.29
08:20	322.6	6.60	1031.51
08:25	309.9	6.52	1033.64
08:30	296.7	6.44	1035.69
08:35	282.3	6.35	1037.63
08:40	270.8	6.26	1039.50
08:45	264.6	6.15	1041.32
08:50	259.5	6.07	1043.11
08:55	254.2	6.02	1044.86
09:00	248.6	5.98	1046.57
09:05	242.9	5.94	1048.24
09:10	237.4	5.89	1049.88
09:15	232.3	5.85	1051.48
09:20	227.2	5.80	1053.04
09:25	221.8	5.76	1054.57
09:30	216.1	5.71	1056.06
09:35	210.0	5.67	1057.50
09:40	203.7	5.62	1058.91
09:45	197.0	5.56	1060.26
09:50	190.3	5.51	1061.57
09:55	183.3	5.45	1062.84
10:00	176.0	5.38	1064.05
10:05	168.4	5.32	1065.21
10:10	160.7	5.24	1066.32
10:15	152.5	5.17	1067.37
10:20	143.9	5.09	1068.36
10:25	134.5	5.00	1069.28
10:30	124.5	4.91	1070.14
10:35	114.0	4.81	1070.93

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.017	0.013	0.004	6.2	0.04
00:10	0.020	0.015	0.005	20.2	0.18
00:15	0.020	0.015	0.005	38.0	0.44
00:20	0.020	0.015	0.005	48.7	0.78
00:25	0.020	0.015	0.005	54.4	1.15
00:30	0.023	0.018	0.006	59.9	1.57
00:35	0.023	0.018	0.006	65.0	2.01
00:40	0.023	0.018	0.006	70.3	2.50
00:45	0.023	0.018	0.006	74.0	3.01
00:50	0.023	0.018	0.006	76.0	3.53
00:55	0.023	0.018	0.006	77.3	4.06
01:00	0.026	0.018	0.009	83.1	4.64
01:05	0.026	0.018	0.009	94.2	5.28
01:10	0.026	0.018	0.009	107.1	6.02
01:15	0.026	0.018	0.009	113.9	6.81
01:20	0.026	0.018	0.009	117.9	7.62
01:25	0.026	0.018	0.009	121.3	8.45
01:30	0.026	0.018	0.009	123.5	9.30
01:35	0.026	0.018	0.009	125.6	10.17
01:40	0.026	0.018	0.009	127.8	11.05
01:45	0.026	0.018	0.009	129.0	11.94
01:50	0.026	0.018	0.009	129.9	12.83
01:55	0.026	0.018	0.009	130.5	13.73
02:00	0.030	0.018	0.012	136.1	14.67
02:05	0.026	0.018	0.009	142.1	15.65
02:10	0.030	0.018	0.012	149.7	16.68
02:15	0.030	0.018	0.012	154.6	17.74
02:20	0.030	0.018	0.012	164.8	18.88
02:25	0.030	0.018	0.012	170.9	20.06
02:30	0.030	0.018	0.012	173.5	21.25
02:35	0.030	0.018	0.012	176.7	22.47
02:40	0.030	0.018	0.012	178.6	23.70
02:45	0.033	0.018	0.015	184.6	24.97
02:50	0.033	0.018	0.015	196.6	26.32
02:55	0.033	0.018	0.015	209.9	27.77
03:00	0.033	0.018	0.015	216.7	29.26
03:05	0.033	0.018	0.015	220.7	30.78
03:10	0.036	0.018	0.019	229.0	32.36
03:15	0.036	0.018	0.019	241.7	34.02
03:20	0.036	0.018	0.019	256.3	35.79
03:25	0.040	0.018	0.022	269.7	37.64
03:30	0.043	0.018	0.025	290.1	39.64
03:35	0.046	0.018	0.028	322.3	41.86
03:40	0.046	0.018	0.028	354.4	44.30
03:45	0.050	0.018	0.032	384.3	46.95
03:50	0.050	0.018	0.032	409.8	49.77
03:55	0.053	0.018	0.035	436.8	52.78
04:00	0.053	0.018	0.035	460.6	55.95
04:05	0.056	0.018	0.038	487.3	59.31
04:10	0.059	0.018	0.042	516.9	62.87
04:15	0.063	0.018	0.045	553.8	66.68
04:20	0.066	0.018	0.048	595.3	70.78
04:25	0.069	0.018	0.052	638.9	75.18
04:30	0.069	0.018	0.052	679.0	79.86
04:35	0.073	0.018	0.055	714.7	84.78
04:40	0.076	0.018	0.058	749.0	89.94
04:45	0.079	0.018	0.061	791.0	95.39
04:50	0.079	0.018	0.061	831.2	101.11
04:55	0.083	0.018	0.065	866.9	107.08
05:00	0.086	0.018	0.068	902.0	113.29
05:05	0.102	0.018	0.085	964.4	119.94
05:10	0.119	0.018	0.101	1072.6	127.32
05:15	0.129	0.018	0.111	1222.8	135.74
05:20	0.139	0.018	0.121	1378.6	145.24
05:25	0.155	0.018	0.137	1533.8	155.80

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.185	0.018	0.167	1729.7	167.71
05:35	0.063	0.018	0.045	1757.7	179.82
05:40	0.030	0.018	0.012	1496.4	190.13
05:45	0.020	0.015	0.005	1018.8	197.14
05:50	0.017	0.013	0.004	701.0	201.97
05:55	0.010	0.008	0.002	524.6	205.58
06:00	0.007	0.005	0.002	395.6	208.31
06:05	0.000	0.000	0.000	321.5	210.52
06:10	0.000	0.000	0.000	257.1	212.29
06:15	0.000	0.000	0.000	188.0	213.59
06:20	0.000	0.000	0.000	155.3	214.66
06:25	0.000	0.000	0.000	140.9	215.63
06:30	0.000	0.000	0.000	130.8	216.53
06:35	0.000	0.000	0.000	121.7	217.37
06:40	0.000	0.000	0.000	113.0	218.14
06:45	0.000	0.000	0.000	104.2	218.86
06:50	0.000	0.000	0.000	94.7	219.51
06:55	0.000	0.000	0.000	83.3	220.09
07:00	0.000	0.000	0.000	70.2	220.57
07:05	0.000	0.000	0.000	55.8	220.96
07:10	0.000	0.000	0.000	39.9	221.23
07:15	0.000	0.000	0.000	21.2	221.38
07:20	0.000	0.000	0.000	6.5	221.42
07:25	0.000	0.000	0.000	2.5	221.44
07:30	0.000	0.000	0.000	1.3	221.45
07:35	0.000	0.000	0.000	0.8	221.45
07:40	0.000	0.000	0.000	0.4	221.46
07:45	0.000	0.000	0.000	0.1	221.46
07:50	0.000	0.000	0.000	0.0	221.46
07:55	0.000	0.000	0.000	0.0	221.46
08:00	0.000	0.000	0.000	0.0	221.46
08:05	0.000	0.000	0.000	0.0	221.46
08:10	0.000	0.000	0.000	0.0	221.46
08:15	0.000	0.000	0.000	0.0	221.46
08:20	0.000	0.000	0.000	0.0	221.46
08:25	0.000	0.000	0.000	0.0	221.46
08:30	0.000	0.000	0.000	0.0	221.46
08:35	0.000	0.000	0.000	0.0	221.46
08:40	0.000	0.000	0.000	0.0	221.46
08:45	0.000	0.000	0.000	0.0	221.46
08:50	0.000	0.000	0.000	0.0	221.46
08:55	0.000	0.000	0.000	0.0	221.46
09:00	0.000	0.000	0.000	0.0	221.46
09:05	0.000	0.000	0.000	0.0	221.46
09:10	0.000	0.000	0.000	0.0	221.46
09:15	0.000	0.000	0.000	0.0	221.46
09:20	0.000	0.000	0.000	0.0	221.46
09:25	0.000	0.000	0.000	0.0	221.46
09:30	0.000	0.000	0.000	0.0	221.46
09:35	0.000	0.000	0.000	0.0	221.46
09:40	0.000	0.000	0.000	0.0	221.46
09:45	0.000	0.000	0.000	0.0	221.46
09:50	0.000	0.000	0.000	0.0	221.46
09:55	0.000	0.000	0.000	0.0	221.46
10:00	0.000	0.000	0.000	0.0	221.46
10:05	0.000	0.000	0.000	0.0	221.46
10:10	0.000	0.000	0.000	0.0	221.46
10:15	0.000	0.000	0.000	0.0	221.46
10:20	0.000	0.000	0.000	0.0	221.46
10:25	0.000	0.000	0.000	0.0	221.46
10:30	0.000	0.000	0.000	0.0	221.46
10:35	0.000	0.000	0.000	0.0	221.46

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	6.2	0.39	0.04
00:10	20.2	2.97	0.18
00:15	38.0	3.89	0.44
00:20	48.7	4.37	0.78
00:25	54.4	4.59	1.15
00:30	59.9	4.74	1.57
00:35	65.0	4.87	2.01
00:40	70.3	5.00	2.50
00:45	74.0	5.10	3.01
00:50	76.0	5.15	3.53
00:55	77.3	5.18	4.06
01:00	83.1	5.28	4.64
01:05	94.2	5.48	5.28
01:10	107.1	5.71	6.02
01:15	113.9	5.86	6.81
01:20	117.9	5.94	7.62
01:25	121.3	5.99	8.45
01:30	123.5	6.03	9.30
01:35	125.6	6.07	10.17
01:40	127.8	6.10	11.05
01:45	129.0	6.12	11.94
01:50	129.9	6.14	12.83
01:55	130.5	6.15	13.73
02:00	136.1	6.21	14.67
02:05	142.1	6.30	15.65
02:10	149.7	6.40	16.68
02:15	154.6	6.48	17.74
02:20	164.8	6.60	18.88
02:25	170.9	6.69	20.06
02:30	173.5	6.73	21.25
02:35	176.7	6.77	22.47
02:40	178.6	6.80	23.70
02:45	184.6	6.86	24.97
02:50	196.6	6.99	26.32
02:55	209.9	7.14	27.77
03:00	216.7	7.23	29.26
03:05	220.7	7.28	30.78
03:10	229.0	7.36	32.36
03:15	241.7	7.48	34.02
03:20	256.3	7.62	35.79
03:25	269.7	7.75	37.64
03:30	290.1	7.92	39.64
03:35	322.3	8.19	41.86
03:40	354.4	8.45	44.30
03:45	384.3	8.68	46.95
03:50	409.8	8.87	49.77
03:55	436.8	9.05	52.78
04:00	460.6	9.21	55.95
04:05	487.3	9.38	59.31
04:10	516.9	9.56	62.87
04:15	553.8	9.77	66.68
04:20	595.3	10.00	70.78
04:25	638.9	10.23	75.18
04:30	679.0	10.44	79.86
04:35	714.7	10.62	84.78
04:40	749.0	10.79	89.94
04:45	791.0	10.97	95.39
04:50	831.2	11.15	101.11
04:55	866.9	11.31	107.08
05:00	902.0	11.46	113.29
05:05	964.4	11.70	119.94
05:10	1072.6	12.09	127.32
05:15	1222.8	12.60	135.74
05:20	1378.6	13.11	145.24
05:25	1708.6	14.01	157.01

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2251.6	15.30	172.51
05:35	2434.1	15.77	189.28
05:40	2282.1	15.51	204.99
05:45	1831.5	14.53	217.61
05:50	1356.9	13.25	226.95
05:55	985.6	11.98	233.74
06:00	395.6	9.39	236.46
06:05	321.5	8.33	238.68
06:10	257.1	7.76	240.45
06:15	188.0	7.08	241.74
06:20	155.3	6.60	242.81
06:25	140.9	6.35	243.78
06:30	130.8	6.19	244.69
06:35	121.7	6.05	245.52
06:40	113.0	5.90	246.30
06:45	104.2	5.76	247.02
06:50	94.7	5.59	247.67
06:55	83.3	5.38	248.25
07:00	70.2	5.12	248.73
07:05	55.8	4.79	249.11
07:10	39.9	4.36	249.39
07:15	21.2	3.75	249.53
07:20	6.5	2.95	249.58
07:25	2.5	2.15	249.60
07:30	1.3	1.68	249.60
07:35	0.8	1.41	249.61
07:40	0.4	1.22	249.61
07:45	0.1	1.03	249.61
07:50	0.0	0.84	249.61
07:55	0.0	0.66	249.61
08:00	0.0	0.51	249.61
08:05	0.0	0.40	249.61
08:10	0.0	0.34	249.61
08:15	0.0	0.29	249.61
08:20	0.0	0.25	249.61
08:25	0.0	0.22	249.61
08:30	0.0	0.20	249.61
08:35	0.0	0.18	249.61
08:40	0.0	0.17	249.61
08:45	0.0	0.16	249.61
08:50	0.0	0.14	249.61
08:55	0.0	0.14	249.61
09:00	0.0	0.13	249.61
09:05	0.0	0.12	249.61
09:10	0.0	0.11	249.61
09:15	0.0	0.11	249.61
09:20	0.0	0.10	249.61
09:25	0.0	0.10	249.61
09:30	0.0	0.09	249.61
09:35	0.0	0.09	249.61
09:40	0.0	0.08	249.61
09:45	0.0	0.08	249.61
09:50	0.0	0.08	249.61
09:55	0.0	0.07	249.61
10:00	0.0	0.07	249.61
10:05	0.0	0.07	249.61
10:10	0.0	0.07	249.61
10:15	0.0	0.07	249.61
10:20	0.0	0.06	249.61
10:25	0.0	0.06	249.61
10:30	0.0	0.06	249.61
10:35	0.0	0.06	249.61

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	13.6	0.00	0.09
00:15	31.5	0.00	0.31
00:20	45.2	0.22	0.62
00:25	52.7	1.11	0.98
00:30	58.3	2.71	1.39
00:35	63.5	4.18	1.82
00:40	68.8	4.72	2.30
00:45	73.0	4.92	2.80
00:50	75.4	5.07	3.32
00:55	76.9	5.18	3.85
01:00	81.5	5.26	4.41
01:05	91.3	5.30	5.04
01:10	103.9	5.40	5.75
01:15	112.3	5.61	6.53
01:20	117.0	5.87	7.33
01:25	120.5	6.03	8.16
01:30	123.0	6.12	9.01
01:35	125.1	6.18	9.87
01:40	127.3	6.22	10.75
01:45	128.7	6.26	11.64
01:50	129.7	6.29	12.53
01:55	130.3	6.32	13.43
02:00	134.8	6.33	14.35
02:05	140.8	6.35	15.32
02:10	148.0	6.43	16.34
02:15	153.5	6.54	17.40
02:20	162.6	6.64	18.52
02:25	169.6	6.74	19.69
02:30	172.9	6.87	20.88
02:35	176.0	6.95	22.09
02:40	178.2	6.99	23.32
02:45	183.4	7.03	24.58
02:50	194.2	7.08	25.92
02:55	207.3	7.17	27.35
03:00	215.4	7.33	28.83
03:05	219.9	7.46	30.35
03:10	227.4	7.54	31.91
03:15	239.3	7.61	33.56
03:20	253.5	7.73	35.31
03:25	267.3	7.87	37.15
03:30	286.5	8.03	39.12
03:35	316.7	8.21	41.30
03:40	349.0	8.46	43.70
03:45	379.4	8.77	46.32
03:50	405.7	9.04	49.11
03:55	432.6	9.27	52.09
04:00	456.9	9.48	55.24
04:05	483.3	9.67	58.57
04:10	512.5	9.86	62.10
04:15	548.5	10.06	65.87
04:20	589.4	10.29	69.93
04:25	632.8	10.55	74.29
04:30	673.6	10.82	78.93
04:35	709.9	11.05	83.82
04:40	744.5	11.26	88.95
04:45	785.5	11.45	94.36
04:50	826.1	11.66	100.04
04:55	862.4	11.86	105.98
05:00	897.7	12.04	112.17
05:05	956.8	12.22	118.76
05:10	1059.9	12.51	126.06
05:15	1205.8	12.98	134.36
05:20	1362.0	13.57	143.74
05:25	1675.1	14.26	155.28

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2201.2	15.47	170.44
05:35	2417.7	16.70	187.09
05:40	2296.0	16.97	202.90
05:45	1875.6	16.45	215.82
05:50	1407.8	15.31	225.51
05:55	1029.6	13.96	232.60
06:00	484.2	12.53	235.94
06:05	334.2	10.27	238.24
06:10	268.8	9.04	240.09
06:15	201.9	8.34	241.48
06:20	162.4	7.72	242.60
06:25	144.2	7.15	243.59
06:30	133.1	6.75	244.51
06:35	123.9	6.52	245.36
06:40	115.1	6.36	246.16
06:45	106.3	6.21	246.89
06:50	97.1	6.06	247.56
06:55	86.3	5.91	248.15
07:00	73.8	5.73	248.66
07:05	60.1	5.52	249.07
07:10	45.1	5.27	249.38
07:15	28.2	4.97	249.58
07:20	13.4	4.62	249.67
07:25	5.0	4.19	249.71
07:30	2.3	3.72	249.72
07:35	1.4	3.26	249.73
07:40	0.9	2.85	249.74
07:45	0.5	2.49	249.74
07:50	0.3	2.21	249.74
07:55	0.1	2.01	249.74
08:00	0.1	1.80	249.74
08:05	0.0	1.67	249.74
08:10	0.0	1.52	249.74
08:15	0.0	1.42	249.74
08:20	0.0	1.32	249.74
08:25	0.0	1.22	249.74
08:30	0.0	1.15	249.74
08:35	0.0	1.07	249.74
08:40	0.0	1.00	249.74
08:45	0.0	0.95	249.74
08:50	0.0	0.91	249.74
08:55	0.0	0.85	249.74
09:00	0.0	0.80	249.74
09:05	0.0	0.77	249.74
09:10	0.0	0.74	249.74
09:15	0.0	0.71	249.74
09:20	0.0	0.67	249.74
09:25	0.0	0.64	249.74
09:30	0.0	0.63	249.74
09:35	0.0	0.60	249.74
09:40	0.0	0.58	249.74
09:45	0.0	0.56	249.74
09:50	0.0	0.53	249.74
09:55	0.0	0.52	249.74
10:00	0.0	0.51	249.74
10:05	0.0	0.49	249.74
10:10	0.0	0.48	249.74
10:15	0.0	0.47	249.74
10:20	0.0	0.45	249.74
10:25	0.0	0.43	249.74
10:30	0.0	0.42	249.74
10:35	0.0	0.41	249.74

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.015	0.001	0.5	0.00
00:10	0.019	0.018	0.001	1.6	0.01
00:15	0.019	0.018	0.001	2.1	0.03
00:20	0.019	0.018	0.001	2.4	0.05
00:25	0.019	0.018	0.001	2.6	0.06
00:30	0.022	0.021	0.001	2.8	0.08
00:35	0.022	0.021	0.001	3.1	0.10
00:40	0.022	0.021	0.001	3.2	0.13
00:45	0.022	0.021	0.001	3.3	0.15
00:50	0.022	0.021	0.001	3.3	0.17
00:55	0.022	0.021	0.001	3.4	0.19
01:00	0.026	0.024	0.002	3.9	0.22
01:05	0.026	0.024	0.002	4.8	0.25
01:10	0.026	0.024	0.002	5.2	0.29
01:15	0.026	0.024	0.002	5.4	0.33
01:20	0.026	0.024	0.002	5.5	0.37
01:25	0.026	0.024	0.002	5.6	0.40
01:30	0.026	0.024	0.002	5.7	0.44
01:35	0.026	0.024	0.002	5.7	0.48
01:40	0.026	0.024	0.002	5.7	0.52
01:45	0.026	0.024	0.002	5.8	0.56
01:50	0.026	0.024	0.002	5.8	0.60
01:55	0.026	0.024	0.002	5.8	0.64
02:00	0.029	0.024	0.005	8.0	0.70
02:05	0.026	0.024	0.002	9.5	0.76
02:10	0.029	0.024	0.005	9.6	0.83
02:15	0.029	0.024	0.005	12.5	0.91
02:20	0.029	0.024	0.005	13.7	1.01
02:25	0.029	0.024	0.005	14.5	1.11
02:30	0.029	0.024	0.005	14.7	1.21
02:35	0.029	0.024	0.005	15.1	1.31
02:40	0.029	0.024	0.005	15.3	1.42
02:45	0.032	0.024	0.008	17.5	1.54
02:50	0.032	0.024	0.008	21.3	1.69
02:55	0.032	0.024	0.008	23.0	1.84
03:00	0.032	0.024	0.008	24.0	2.01
03:05	0.032	0.024	0.008	24.6	2.18
03:10	0.035	0.024	0.011	27.2	2.37
03:15	0.035	0.024	0.011	31.1	2.58
03:20	0.035	0.024	0.011	32.8	2.81
03:25	0.038	0.024	0.015	35.9	3.05
03:30	0.042	0.024	0.018	42.3	3.34
03:35	0.045	0.024	0.021	50.3	3.69
03:40	0.045	0.024	0.021	56.6	4.08
03:45	0.048	0.024	0.024	61.9	4.51
03:50	0.048	0.024	0.024	67.5	4.97
03:55	0.051	0.024	0.027	72.4	5.47
04:00	0.051	0.024	0.027	77.7	6.01
04:05	0.054	0.024	0.031	82.4	6.57
04:10	0.058	0.024	0.034	90.0	7.19
04:15	0.061	0.024	0.037	98.5	7.87
04:20	0.064	0.024	0.040	107.7	8.61
04:25	0.067	0.024	0.043	117.0	9.42
04:30	0.067	0.024	0.043	124.6	10.28
04:35	0.070	0.024	0.047	130.7	11.18
04:40	0.074	0.024	0.050	138.9	12.13
04:45	0.077	0.024	0.053	147.8	13.15
04:50	0.077	0.024	0.053	155.1	14.22
04:55	0.080	0.024	0.056	160.9	15.33
05:00	0.083	0.024	0.059	169.2	16.49
05:05	0.099	0.024	0.075	186.9	17.78
05:10	0.115	0.024	0.091	219.7	19.29
05:15	0.125	0.024	0.101	254.5	21.05
05:20	0.134	0.024	0.111	285.6	23.01
05:25	0.150	0.024	0.127	319.8	25.22

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.024	0.155	370.1	27.76
05:35	0.061	0.024	0.037	338.1	30.09
05:40	0.029	0.024	0.005	203.9	31.50
05:45	0.019	0.018	0.001	120.2	32.32
05:50	0.016	0.015	0.001	77.7	32.86
05:55	0.010	0.009	0.000	56.4	33.25
06:00	0.006	0.006	0.000	37.8	33.51
06:05	0.000	0.000	0.000	31.4	33.72
06:10	0.000	0.000	0.000	28.1	33.92
06:15	0.000	0.000	0.000	24.8	34.09
06:20	0.000	0.000	0.000	21.1	34.23
06:25	0.000	0.000	0.000	17.0	34.35
06:30	0.000	0.000	0.000	12.5	34.44
06:35	0.000	0.000	0.000	7.4	34.49
06:40	0.000	0.000	0.000	1.7	34.50
06:45	0.000	0.000	0.000	0.3	34.50
06:50	0.000	0.000	0.000	0.1	34.50
06:55	0.000	0.000	0.000	0.1	34.50
07:00	0.000	0.000	0.000	0.0	34.50
07:05	0.000	0.000	0.000	0.0	34.50
07:10	0.000	0.000	0.000	0.0	34.50
07:15	0.000	0.000	0.000	0.0	34.50
07:20	0.000	0.000	0.000	0.0	34.50
07:25	0.000	0.000	0.000	0.0	34.50
07:30	0.000	0.000	0.000	0.0	34.50
07:35	0.000	0.000	0.000	0.0	34.50
07:40	0.000	0.000	0.000	0.0	34.50
07:45	0.000	0.000	0.000	0.0	34.50
07:50	0.000	0.000	0.000	0.0	34.50
07:55	0.000	0.000	0.000	0.0	34.50
08:00	0.000	0.000	0.000	0.0	34.50
08:05	0.000	0.000	0.000	0.0	34.50
08:10	0.000	0.000	0.000	0.0	34.50
08:15	0.000	0.000	0.000	0.0	34.50
08:20	0.000	0.000	0.000	0.0	34.50
08:25	0.000	0.000	0.000	0.0	34.50
08:30	0.000	0.000	0.000	0.0	34.50
08:35	0.000	0.000	0.000	0.0	34.50
08:40	0.000	0.000	0.000	0.0	34.50
08:45	0.000	0.000	0.000	0.0	34.50
08:50	0.000	0.000	0.000	0.0	34.50
08:55	0.000	0.000	0.000	0.0	34.50
09:00	0.000	0.000	0.000	0.0	34.50
09:05	0.000	0.000	0.000	0.0	34.50
09:10	0.000	0.000	0.000	0.0	34.50
09:15	0.000	0.000	0.000	0.0	34.50
09:20	0.000	0.000	0.000	0.0	34.50
09:25	0.000	0.000	0.000	0.0	34.50
09:30	0.000	0.000	0.000	0.0	34.50
09:35	0.000	0.000	0.000	0.0	34.50
09:40	0.000	0.000	0.000	0.0	34.50
09:45	0.000	0.000	0.000	0.0	34.50
09:50	0.000	0.000	0.000	0.0	34.50
09:55	0.000	0.000	0.000	0.0	34.50
10:00	0.000	0.000	0.000	0.0	34.50
10:05	0.000	0.000	0.000	0.0	34.50
10:10	0.000	0.000	0.000	0.0	34.50
10:15	0.000	0.000	0.000	0.0	34.50
10:20	0.000	0.000	0.000	0.0	34.50
10:25	0.000	0.000	0.000	0.0	34.50
10:30	0.000	0.000	0.000	0.0	34.50
10:35	0.000	0.000	0.000	0.0	34.50

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.001	0.015	1.6	0.01
00:10	0.019	0.001	0.018	4.7	0.04
00:15	0.019	0.001	0.018	6.6	0.09
00:20	0.019	0.001	0.018	7.5	0.14
00:25	0.019	0.001	0.018	8.0	0.20
00:30	0.022	0.001	0.021	8.7	0.26
00:35	0.022	0.001	0.021	9.5	0.32
00:40	0.022	0.001	0.021	9.9	0.39
00:45	0.022	0.001	0.021	10.2	0.46
00:50	0.022	0.001	0.021	10.3	0.53
00:55	0.022	0.001	0.021	10.5	0.60
01:00	0.026	0.001	0.024	11.0	0.68
01:05	0.026	0.001	0.024	11.8	0.76
01:10	0.026	0.001	0.024	12.2	0.84
01:15	0.026	0.001	0.024	12.4	0.93
01:20	0.026	0.001	0.024	12.5	1.01
01:25	0.026	0.001	0.024	12.5	1.10
01:30	0.026	0.001	0.024	12.6	1.19
01:35	0.026	0.001	0.024	12.6	1.27
01:40	0.026	0.001	0.024	12.7	1.36
01:45	0.026	0.001	0.024	12.7	1.45
01:50	0.026	0.001	0.024	12.7	1.54
01:55	0.026	0.001	0.024	12.7	1.62
02:00	0.029	0.001	0.028	13.1	1.71
02:05	0.026	0.001	0.024	13.4	1.81
02:10	0.029	0.001	0.028	13.4	1.90
02:15	0.029	0.001	0.028	13.9	1.99
02:20	0.029	0.001	0.028	14.1	2.09
02:25	0.029	0.001	0.028	14.2	2.19
02:30	0.029	0.001	0.028	14.2	2.29
02:35	0.029	0.001	0.028	14.3	2.38
02:40	0.029	0.001	0.028	14.3	2.48
02:45	0.032	0.001	0.031	14.7	2.58
02:50	0.032	0.001	0.031	15.3	2.69
02:55	0.032	0.001	0.031	15.6	2.80
03:00	0.032	0.001	0.031	15.7	2.91
03:05	0.032	0.001	0.031	15.8	3.01
03:10	0.035	0.001	0.034	16.3	3.13
03:15	0.035	0.001	0.034	16.9	3.24
03:20	0.035	0.001	0.034	17.2	3.36
03:25	0.038	0.001	0.037	17.7	3.48
03:30	0.042	0.001	0.040	18.8	3.61
03:35	0.045	0.001	0.044	20.1	3.75
03:40	0.045	0.001	0.044	21.1	3.90
03:45	0.048	0.001	0.047	22.0	4.05
03:50	0.048	0.001	0.047	22.9	4.21
03:55	0.051	0.001	0.050	23.7	4.37
04:00	0.051	0.001	0.050	24.6	4.54
04:05	0.054	0.001	0.053	25.4	4.71
04:10	0.058	0.001	0.056	26.6	4.90
04:15	0.061	0.001	0.060	28.0	5.09
04:20	0.064	0.001	0.063	29.5	5.29
04:25	0.067	0.001	0.066	31.1	5.51
04:30	0.067	0.001	0.066	32.3	5.73
04:35	0.070	0.001	0.069	33.4	5.96
04:40	0.074	0.001	0.072	34.7	6.20
04:45	0.077	0.001	0.076	36.2	6.45
04:50	0.077	0.001	0.076	37.4	6.70
04:55	0.080	0.001	0.079	38.3	6.97
05:00	0.083	0.001	0.082	39.7	7.24
05:05	0.099	0.001	0.098	42.6	7.54
05:10	0.115	0.001	0.114	48.0	7.87
05:15	0.125	0.001	0.124	53.7	8.24
05:20	0.134	0.001	0.133	58.9	8.64
05:25	0.150	0.001	0.149	64.5	9.09

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.001	0.178	72.8	9.59
05:35	0.061	0.001	0.060	67.7	10.05
05:40	0.029	0.001	0.028	45.9	10.37
05:45	0.019	0.001	0.018	31.3	10.59
05:50	0.016	0.001	0.015	22.8	10.74
05:55	0.010	0.001	0.008	17.6	10.86
06:00	0.006	0.001	0.005	12.5	10.95
06:05	0.000	0.000	0.000	9.5	11.01
06:10	0.000	0.000	0.000	7.3	11.07
06:15	0.000	0.000	0.000	6.0	11.11
06:20	0.000	0.000	0.000	4.9	11.14
06:25	0.000	0.000	0.000	4.0	11.17
06:30	0.000	0.000	0.000	3.1	11.19
06:35	0.000	0.000	0.000	2.1	11.20
06:40	0.000	0.000	0.000	1.0	11.21
06:45	0.000	0.000	0.000	0.5	11.21
06:50	0.000	0.000	0.000	0.3	11.22
06:55	0.000	0.000	0.000	0.2	11.22
07:00	0.000	0.000	0.000	0.1	11.22
07:05	0.000	0.000	0.000	0.0	11.22
07:10	0.000	0.000	0.000	0.0	11.22
07:15	0.000	0.000	0.000	0.0	11.22
07:20	0.000	0.000	0.000	0.0	11.22
07:25	0.000	0.000	0.000	0.0	11.22
07:30	0.000	0.000	0.000	0.0	11.22
07:35	0.000	0.000	0.000	0.0	11.22
07:40	0.000	0.000	0.000	0.0	11.22
07:45	0.000	0.000	0.000	0.0	11.22
07:50	0.000	0.000	0.000	0.0	11.22
07:55	0.000	0.000	0.000	0.0	11.22
08:00	0.000	0.000	0.000	0.0	11.22
08:05	0.000	0.000	0.000	0.0	11.22
08:10	0.000	0.000	0.000	0.0	11.22
08:15	0.000	0.000	0.000	0.0	11.22
08:20	0.000	0.000	0.000	0.0	11.22
08:25	0.000	0.000	0.000	0.0	11.22
08:30	0.000	0.000	0.000	0.0	11.22
08:35	0.000	0.000	0.000	0.0	11.22
08:40	0.000	0.000	0.000	0.0	11.22
08:45	0.000	0.000	0.000	0.0	11.22
08:50	0.000	0.000	0.000	0.0	11.22
08:55	0.000	0.000	0.000	0.0	11.22
09:00	0.000	0.000	0.000	0.0	11.22
09:05	0.000	0.000	0.000	0.0	11.22
09:10	0.000	0.000	0.000	0.0	11.22
09:15	0.000	0.000	0.000	0.0	11.22
09:20	0.000	0.000	0.000	0.0	11.22
09:25	0.000	0.000	0.000	0.0	11.22
09:30	0.000	0.000	0.000	0.0	11.22
09:35	0.000	0.000	0.000	0.0	11.22
09:40	0.000	0.000	0.000	0.0	11.22
09:45	0.000	0.000	0.000	0.0	11.22
09:50	0.000	0.000	0.000	0.0	11.22
09:55	0.000	0.000	0.000	0.0	11.22
10:00	0.000	0.000	0.000	0.0	11.22
10:05	0.000	0.000	0.000	0.0	11.22
10:10	0.000	0.000	0.000	0.0	11.22
10:15	0.000	0.000	0.000	0.0	11.22
10:20	0.000	0.000	0.000	0.0	11.22
10:25	0.000	0.000	0.000	0.0	11.22
10:30	0.000	0.000	0.000	0.0	11.22
10:35	0.000	0.000	0.000	0.0	11.22

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.000	0.1	0.00
02:05	0.026	0.026	0.000	0.1	0.00
02:10	0.029	0.028	0.000	0.1	0.00
02:15	0.029	0.028	0.000	0.2	0.00
02:20	0.029	0.028	0.000	0.2	0.00
02:25	0.029	0.028	0.000	0.2	0.01
02:30	0.029	0.028	0.000	0.2	0.01
02:35	0.029	0.028	0.000	0.2	0.01
02:40	0.029	0.028	0.000	0.2	0.01
02:45	0.032	0.028	0.004	0.7	0.01
02:50	0.032	0.028	0.004	1.3	0.02
02:55	0.032	0.028	0.004	1.5	0.03
03:00	0.032	0.028	0.004	1.6	0.04
03:05	0.032	0.028	0.004	1.6	0.06
03:10	0.035	0.028	0.007	2.1	0.07
03:15	0.035	0.028	0.007	2.7	0.09
03:20	0.035	0.028	0.007	2.9	0.11
03:25	0.038	0.028	0.010	3.5	0.13
03:30	0.042	0.028	0.013	4.6	0.16
03:35	0.045	0.028	0.016	5.9	0.21
03:40	0.045	0.028	0.016	6.8	0.25
03:45	0.048	0.028	0.020	7.7	0.31
03:50	0.048	0.028	0.020	8.5	0.36
03:55	0.051	0.028	0.023	9.3	0.43
04:00	0.051	0.028	0.023	10.0	0.50
04:05	0.054	0.028	0.026	10.9	0.57
04:10	0.058	0.028	0.029	12.1	0.65
04:15	0.061	0.028	0.032	13.5	0.75
04:20	0.064	0.028	0.036	14.9	0.85
04:25	0.067	0.028	0.039	16.4	0.96
04:30	0.067	0.028	0.039	17.4	1.08
04:35	0.070	0.028	0.042	18.3	1.21
04:40	0.074	0.028	0.045	19.6	1.34
04:45	0.077	0.028	0.048	21.1	1.49
04:50	0.077	0.028	0.048	22.1	1.64
04:55	0.080	0.028	0.052	23.0	1.80
05:00	0.083	0.028	0.055	24.3	1.97
05:05	0.099	0.028	0.071	27.6	2.16
05:10	0.115	0.028	0.087	33.2	2.39
05:15	0.125	0.028	0.096	38.7	2.65
05:20	0.134	0.028	0.106	43.5	2.95
05:25	0.150	0.028	0.122	49.1	3.29

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.151	57.5	3.69
05:35	0.061	0.028	0.032	47.9	4.02
05:40	0.029	0.028	0.000	24.8	4.19
05:45	0.019	0.019	0.000	13.0	4.28
05:50	0.016	0.016	0.000	8.6	4.34
05:55	0.010	0.010	0.000	5.6	4.37
06:00	0.006	0.006	0.000	4.6	4.41
06:05	0.000	0.000	0.000	4.0	4.43
06:10	0.000	0.000	0.000	3.3	4.46
06:15	0.000	0.000	0.000	2.5	4.47
06:20	0.000	0.000	0.000	1.6	4.48
06:25	0.000	0.000	0.000	0.5	4.49
06:30	0.000	0.000	0.000	0.1	4.49
06:35	0.000	0.000	0.000	0.0	4.49
06:40	0.000	0.000	0.000	0.0	4.49
06:45	0.000	0.000	0.000	0.0	4.49
06:50	0.000	0.000	0.000	0.0	4.49
06:55	0.000	0.000	0.000	0.0	4.49
07:00	0.000	0.000	0.000	0.0	4.49
07:05	0.000	0.000	0.000	0.0	4.49
07:10	0.000	0.000	0.000	0.0	4.49
07:15	0.000	0.000	0.000	0.0	4.49
07:20	0.000	0.000	0.000	0.0	4.49
07:25	0.000	0.000	0.000	0.0	4.49
07:30	0.000	0.000	0.000	0.0	4.49
07:35	0.000	0.000	0.000	0.0	4.49
07:40	0.000	0.000	0.000	0.0	4.49
07:45	0.000	0.000	0.000	0.0	4.49
07:50	0.000	0.000	0.000	0.0	4.49
07:55	0.000	0.000	0.000	0.0	4.49
08:00	0.000	0.000	0.000	0.0	4.49
08:05	0.000	0.000	0.000	0.0	4.49
08:10	0.000	0.000	0.000	0.0	4.49
08:15	0.000	0.000	0.000	0.0	4.49
08:20	0.000	0.000	0.000	0.0	4.49
08:25	0.000	0.000	0.000	0.0	4.49
08:30	0.000	0.000	0.000	0.0	4.49
08:35	0.000	0.000	0.000	0.0	4.49
08:40	0.000	0.000	0.000	0.0	4.49
08:45	0.000	0.000	0.000	0.0	4.49
08:50	0.000	0.000	0.000	0.0	4.49
08:55	0.000	0.000	0.000	0.0	4.49
09:00	0.000	0.000	0.000	0.0	4.49
09:05	0.000	0.000	0.000	0.0	4.49
09:10	0.000	0.000	0.000	0.0	4.49
09:15	0.000	0.000	0.000	0.0	4.49
09:20	0.000	0.000	0.000	0.0	4.49
09:25	0.000	0.000	0.000	0.0	4.49
09:30	0.000	0.000	0.000	0.0	4.49
09:35	0.000	0.000	0.000	0.0	4.49
09:40	0.000	0.000	0.000	0.0	4.49
09:45	0.000	0.000	0.000	0.0	4.49
09:50	0.000	0.000	0.000	0.0	4.49
09:55	0.000	0.000	0.000	0.0	4.49
10:00	0.000	0.000	0.000	0.0	4.49
10:05	0.000	0.000	0.000	0.0	4.49
10:10	0.000	0.000	0.000	0.0	4.49
10:15	0.000	0.000	0.000	0.0	4.49
10:20	0.000	0.000	0.000	0.0	4.49
10:25	0.000	0.000	0.000	0.0	4.49
10:30	0.000	0.000	0.000	0.0	4.49
10:35	0.000	0.000	0.000	0.0	4.49

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.028	0.000	0.0	0.00
02:15	0.029	0.028	0.000	0.0	0.00
02:20	0.029	0.028	0.000	0.0	0.00
02:25	0.029	0.028	0.000	0.0	0.00
02:30	0.029	0.028	0.000	0.0	0.00
02:35	0.029	0.028	0.000	0.0	0.00
02:40	0.029	0.028	0.000	0.0	0.00
02:45	0.032	0.028	0.004	0.0	0.00
02:50	0.032	0.028	0.004	0.1	0.00
02:55	0.032	0.028	0.004	0.1	0.00
03:00	0.032	0.028	0.004	0.1	0.00
03:05	0.032	0.028	0.004	0.1	0.00
03:10	0.035	0.028	0.007	0.1	0.00
03:15	0.035	0.028	0.007	0.2	0.01
03:20	0.035	0.028	0.007	0.2	0.01
03:25	0.038	0.028	0.010	0.2	0.01
03:30	0.042	0.028	0.013	0.3	0.01
03:35	0.045	0.028	0.016	0.4	0.01
03:40	0.045	0.028	0.016	0.4	0.02
03:45	0.048	0.028	0.020	0.5	0.02
03:50	0.048	0.028	0.020	0.5	0.02
03:55	0.051	0.028	0.023	0.6	0.03
04:00	0.051	0.028	0.023	0.6	0.03
04:05	0.054	0.028	0.026	0.7	0.04
04:10	0.058	0.028	0.029	0.8	0.04
04:15	0.061	0.028	0.032	0.9	0.05
04:20	0.064	0.028	0.036	1.0	0.05
04:25	0.067	0.028	0.039	1.0	0.06
04:30	0.067	0.028	0.039	1.1	0.07
04:35	0.070	0.028	0.042	1.2	0.08
04:40	0.074	0.028	0.045	1.2	0.09
04:45	0.077	0.028	0.048	1.3	0.09
04:50	0.077	0.028	0.048	1.4	0.10
04:55	0.080	0.028	0.052	1.5	0.11
05:00	0.083	0.028	0.055	1.5	0.13
05:05	0.099	0.028	0.071	1.8	0.14
05:10	0.115	0.028	0.087	2.1	0.15
05:15	0.125	0.028	0.096	2.5	0.17
05:20	0.134	0.028	0.106	2.8	0.19
05:25	0.150	0.028	0.122	3.1	0.21

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.151	3.7	0.24
05:35	0.061	0.028	0.032	2.8	0.25
05:40	0.029	0.028	0.000	1.4	0.26
05:45	0.019	0.019	0.000	0.7	0.27
05:50	0.016	0.016	0.000	0.4	0.27
05:55	0.010	0.010	0.000	0.3	0.27
06:00	0.006	0.006	0.000	0.3	0.28
06:05	0.000	0.000	0.000	0.2	0.28
06:10	0.000	0.000	0.000	0.2	0.28
06:15	0.000	0.000	0.000	0.1	0.28
06:20	0.000	0.000	0.000	0.0	0.28
06:25	0.000	0.000	0.000	0.0	0.28
06:30	0.000	0.000	0.000	0.0	0.28
06:35	0.000	0.000	0.000	0.0	0.28
06:40	0.000	0.000	0.000	0.0	0.28
06:45	0.000	0.000	0.000	0.0	0.28
06:50	0.000	0.000	0.000	0.0	0.28
06:55	0.000	0.000	0.000	0.0	0.28
07:00	0.000	0.000	0.000	0.0	0.28
07:05	0.000	0.000	0.000	0.0	0.28
07:10	0.000	0.000	0.000	0.0	0.28
07:15	0.000	0.000	0.000	0.0	0.28
07:20	0.000	0.000	0.000	0.0	0.28
07:25	0.000	0.000	0.000	0.0	0.28
07:30	0.000	0.000	0.000	0.0	0.28
07:35	0.000	0.000	0.000	0.0	0.28
07:40	0.000	0.000	0.000	0.0	0.28
07:45	0.000	0.000	0.000	0.0	0.28
07:50	0.000	0.000	0.000	0.0	0.28
07:55	0.000	0.000	0.000	0.0	0.28
08:00	0.000	0.000	0.000	0.0	0.28
08:05	0.000	0.000	0.000	0.0	0.28
08:10	0.000	0.000	0.000	0.0	0.28
08:15	0.000	0.000	0.000	0.0	0.28
08:20	0.000	0.000	0.000	0.0	0.28
08:25	0.000	0.000	0.000	0.0	0.28
08:30	0.000	0.000	0.000	0.0	0.28
08:35	0.000	0.000	0.000	0.0	0.28
08:40	0.000	0.000	0.000	0.0	0.28
08:45	0.000	0.000	0.000	0.0	0.28
08:50	0.000	0.000	0.000	0.0	0.28
08:55	0.000	0.000	0.000	0.0	0.28
09:00	0.000	0.000	0.000	0.0	0.28
09:05	0.000	0.000	0.000	0.0	0.28
09:10	0.000	0.000	0.000	0.0	0.28
09:15	0.000	0.000	0.000	0.0	0.28
09:20	0.000	0.000	0.000	0.0	0.28
09:25	0.000	0.000	0.000	0.0	0.28
09:30	0.000	0.000	0.000	0.0	0.28
09:35	0.000	0.000	0.000	0.0	0.28
09:40	0.000	0.000	0.000	0.0	0.28
09:45	0.000	0.000	0.000	0.0	0.28
09:50	0.000	0.000	0.000	0.0	0.28
09:55	0.000	0.000	0.000	0.0	0.28
10:00	0.000	0.000	0.000	0.0	0.28
10:05	0.000	0.000	0.000	0.0	0.28
10:10	0.000	0.000	0.000	0.0	0.28
10:15	0.000	0.000	0.000	0.0	0.28
10:20	0.000	0.000	0.000	0.0	0.28
10:25	0.000	0.000	0.000	0.0	0.28
10:30	0.000	0.000	0.000	0.0	0.28
10:35	0.000	0.000	0.000	0.0	0.28

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	2.2	0.02
00:10	6.3	0.06
00:15	8.7	0.12
00:20	9.9	0.19
00:25	11.3	0.26
00:30	22.1	0.42
00:35	50.6	0.77
00:40	67.5	1.23
00:45	75.1	1.75
00:50	80.9	2.30
00:55	85.8	2.90
01:00	89.9	3.51
01:05	93.6	4.16
01:10	98.7	4.84
01:15	108.8	5.59
01:20	121.6	6.43
01:25	130.4	7.32
01:30	135.7	8.26
01:35	139.1	9.22
01:40	141.7	10.19
01:45	143.9	11.18
01:50	145.9	12.19
01:55	147.4	13.20
02:00	151.0	14.24
02:05	154.2	15.31
02:10	159.2	16.40
02:15	169.2	17.57
02:20	177.5	18.79
02:25	185.1	20.06
02:30	193.9	21.40
02:35	200.3	22.78
02:40	203.8	24.18
02:45	209.8	25.63
02:50	218.1	27.13
02:55	227.9	28.70
03:00	241.3	30.36
03:05	253.1	32.10
03:10	263.2	33.92
03:15	274.5	35.81
03:20	286.6	37.78
03:25	304.3	39.88
03:30	327.4	42.13
03:35	355.6	44.58
03:40	390.5	47.27
03:45	431.1	50.24
03:50	470.5	53.48
03:55	505.2	56.96
04:00	539.9	60.68
04:05	571.8	64.62
04:10	608.6	68.81
04:15	649.2	73.28
04:20	697.6	78.08
04:25	751.5	83.26
04:30	805.5	88.81
04:35	855.2	94.69
04:40	903.4	100.92
04:45	951.4	107.47
04:50	1002.0	114.37
04:55	1050.5	121.60
05:00	1098.6	129.17
05:05	1161.6	137.17
05:10	1270.1	145.92
05:15	1427.5	155.75
05:20	1620.8	166.91
05:25	1861.9	179.73

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	2315.6	195.68
05:35	2725.4	214.45
05:40	2654.7	232.74
05:45	2334.8	248.82
05:50	1865.6	261.66
05:55	1418.3	271.43
06:00	1026.8	278.50
06:05	586.4	282.54
06:10	409.8	285.36
06:15	325.9	287.61
06:20	260.4	289.40
06:25	207.2	290.83
06:30	172.7	292.02
06:35	151.3	293.06
06:40	134.0	293.98
06:45	123.3	294.83
06:50	114.5	295.62
06:55	105.9	296.35
07:00	96.9	297.02
07:05	86.8	297.62
07:10	75.6	298.14
07:15	63.6	298.57
07:20	51.1	298.93
07:25	38.5	299.19
07:30	27.0	299.38
07:35	18.3	299.50
07:40	12.3	299.59
07:45	8.3	299.65
07:50	5.8	299.69
07:55	4.4	299.72
08:00	3.2	299.74
08:05	2.5	299.75
08:10	1.9	299.77
08:15	1.6	299.78
08:20	1.3	299.79
08:25	1.0	299.79
08:30	0.8	299.80
08:35	0.7	299.81
08:40	0.6	299.81
08:45	0.5	299.81
08:50	0.4	299.82
08:55	0.3	299.82
09:00	0.3	299.82
09:05	0.3	299.82
09:10	0.2	299.82
09:15	0.2	299.82
09:20	0.2	299.83
09:25	0.2	299.83
09:30	0.1	299.83
09:35	0.1	299.83
09:40	0.1	299.83
09:45	0.1	299.83
09:50	0.1	299.83
09:55	0.1	299.83
10:00	0.1	299.83
10:05	0.1	299.83
10:10	0.1	299.83
10:15	0.1	299.83
10:20	0.1	299.83
10:25	0.0	299.83
10:30	0.0	299.83
10:35	0.0	299.83

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	2.2	0.00	0.02
00:10	6.3	0.00	0.06
00:15	8.7	0.00	0.12
00:20	9.9	0.00	0.19
00:25	11.3	0.00	0.26
00:30	22.1	0.06	0.42
00:35	50.6	0.20	0.77
00:40	67.5	0.46	1.23
00:45	75.1	0.99	1.75
00:50	80.9	1.98	2.30
00:55	85.8	2.72	2.90
01:00	89.9	2.97	3.51
01:05	93.6	3.06	4.16
01:10	98.7	3.13	4.84
01:15	108.8	3.18	5.59
01:20	121.6	3.25	6.43
01:25	130.4	3.37	7.32
01:30	135.7	3.52	8.26
01:35	139.1	3.63	9.22
01:40	141.7	3.69	10.19
01:45	143.9	3.73	11.18
01:50	145.9	3.75	12.19
01:55	147.4	3.78	13.20
02:00	151.0	3.80	14.24
02:05	154.2	3.81	15.31
02:10	159.2	3.85	16.40
02:15	169.2	3.89	17.57
02:20	177.5	3.94	18.79
02:25	185.1	4.04	20.06
02:30	193.9	4.11	21.40
02:35	200.3	4.19	22.78
02:40	203.8	4.26	24.18
02:45	209.8	4.30	25.63
02:50	218.1	4.34	27.13
02:55	227.9	4.40	28.70
03:00	241.3	4.47	30.36
03:05	253.1	4.56	32.10
03:10	263.2	4.65	33.92
03:15	274.5	4.74	35.81
03:20	286.6	4.81	37.78
03:25	304.3	4.90	39.88
03:30	327.4	5.00	42.13
03:35	355.6	5.14	44.58
03:40	390.5	5.31	47.27
03:45	431.1	5.51	50.24
03:50	470.5	5.73	53.48
03:55	505.2	5.95	56.96
04:00	539.9	6.13	60.68
04:05	571.8	6.29	64.62
04:10	608.6	6.44	68.81
04:15	649.2	6.60	73.28
04:20	697.6	6.78	78.08
04:25	751.5	6.97	83.26
04:30	805.5	7.18	88.81
04:35	855.2	7.38	94.69
04:40	903.4	7.56	100.92
04:45	951.4	7.73	107.47
04:50	1002.0	7.89	114.37
04:55	1050.5	8.05	121.60
05:00	1098.6	8.20	129.17
05:05	1161.6	8.35	137.17
05:10	1270.1	8.56	145.92
05:15	1427.5	8.89	155.75
05:20	1620.8	9.33	166.91
05:25	1861.9	9.84	179.73

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2315.6	10.53	195.68
05:35	2725.4	11.41	214.45
05:40	2654.7	11.81	232.74
05:45	2334.8	11.52	248.82
05:50	1865.6	10.85	261.66
05:55	1418.3	9.94	271.43
06:00	1026.8	8.97	278.50
06:05	586.4	7.93	282.54
06:10	409.8	6.64	285.36
06:15	325.9	5.85	287.61
06:20	260.4	5.34	289.40
06:25	207.2	4.94	290.83
06:30	172.7	4.57	292.02
06:35	151.3	4.25	293.06
06:40	134.0	4.01	293.98
06:45	123.3	3.82	294.83
06:50	114.5	3.66	295.62
06:55	105.9	3.55	296.35
07:00	96.9	3.46	297.02
07:05	86.8	3.36	297.62
07:10	75.6	3.25	298.14
07:15	63.6	3.13	298.57
07:20	51.1	2.99	298.93
07:25	38.5	2.83	299.19
07:30	27.0	2.66	299.38
07:35	18.3	2.47	299.50
07:40	12.3	2.26	299.59
07:45	8.3	2.06	299.65
07:50	5.8	1.87	299.69
07:55	4.4	1.70	299.72
08:00	3.2	1.55	299.74
08:05	2.5	1.42	299.75
08:10	1.9	1.30	299.77
08:15	1.6	1.20	299.78
08:20	1.3	1.11	299.79
08:25	1.0	1.04	299.79
08:30	0.8	0.97	299.80
08:35	0.7	0.92	299.81
08:40	0.6	0.86	299.81
08:45	0.5	0.81	299.81
08:50	0.4	0.78	299.82
08:55	0.3	0.73	299.82
09:00	0.3	0.70	299.82
09:05	0.3	0.67	299.82
09:10	0.2	0.64	299.82
09:15	0.2	0.61	299.82
09:20	0.2	0.59	299.83
09:25	0.2	0.56	299.83
09:30	0.1	0.54	299.83
09:35	0.1	0.52	299.83
09:40	0.1	0.50	299.83
09:45	0.1	0.48	299.83
09:50	0.1	0.47	299.83
09:55	0.1	0.45	299.83
10:00	0.1	0.43	299.83
10:05	0.1	0.42	299.83
10:10	0.1	0.41	299.83
10:15	0.1	0.40	299.83
10:20	0.1	0.38	299.83
10:25	0.0	0.37	299.83
10:30	0.0	0.36	299.83
10:35	0.0	0.36	299.83

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.007	0.009	6.0	0.04
00:10	0.019	0.007	0.012	12.4	0.13
00:15	0.019	0.007	0.012	15.3	0.23
00:20	0.019	0.007	0.012	16.6	0.35
00:25	0.019	0.007	0.012	17.1	0.46
00:30	0.022	0.007	0.016	19.6	0.60
00:35	0.022	0.007	0.016	21.4	0.75
00:40	0.022	0.007	0.016	22.3	0.90
00:45	0.022	0.007	0.016	22.9	1.06
00:50	0.022	0.007	0.016	23.1	1.22
00:55	0.022	0.007	0.016	23.2	1.38
01:00	0.026	0.007	0.019	25.4	1.55
01:05	0.026	0.007	0.019	26.9	1.74
01:10	0.026	0.007	0.019	27.5	1.93
01:15	0.026	0.007	0.019	27.8	2.12
01:20	0.026	0.007	0.019	27.9	2.31
01:25	0.026	0.007	0.019	28.0	2.50
01:30	0.026	0.007	0.019	28.1	2.70
01:35	0.026	0.007	0.019	28.2	2.89
01:40	0.026	0.007	0.019	28.2	3.08
01:45	0.026	0.007	0.019	28.2	3.28
01:50	0.026	0.007	0.019	28.2	3.47
01:55	0.026	0.007	0.019	28.2	3.67
02:00	0.029	0.007	0.022	30.4	3.88
02:05	0.026	0.007	0.019	29.7	4.08
02:10	0.029	0.007	0.022	30.8	4.29
02:15	0.029	0.007	0.022	32.1	4.51
02:20	0.029	0.007	0.022	32.4	4.74
02:25	0.029	0.007	0.022	32.7	4.96
02:30	0.029	0.007	0.022	32.8	5.19
02:35	0.029	0.007	0.022	32.9	5.41
02:40	0.029	0.007	0.022	33.0	5.64
02:45	0.032	0.007	0.025	35.1	5.88
02:50	0.032	0.007	0.025	36.6	6.14
02:55	0.032	0.007	0.025	37.1	6.39
03:00	0.032	0.007	0.025	37.4	6.65
03:05	0.032	0.007	0.025	37.5	6.91
03:10	0.035	0.007	0.028	39.7	7.18
03:15	0.035	0.007	0.028	41.3	7.46
03:20	0.035	0.007	0.028	41.8	7.75
03:25	0.038	0.007	0.032	44.3	8.06
03:30	0.042	0.007	0.035	48.0	8.39
03:35	0.045	0.007	0.038	52.1	8.75
03:40	0.045	0.007	0.038	54.5	9.12
03:45	0.048	0.007	0.041	57.6	9.52
03:50	0.048	0.007	0.041	59.6	9.93
03:55	0.051	0.007	0.044	62.5	10.36
04:00	0.051	0.007	0.044	64.5	10.80
04:05	0.054	0.007	0.048	67.5	11.27
04:10	0.058	0.007	0.051	71.6	11.76
04:15	0.061	0.007	0.054	75.9	12.28
04:20	0.064	0.007	0.057	80.4	12.84
04:25	0.067	0.007	0.060	85.1	13.42
04:30	0.067	0.007	0.060	87.6	14.03
04:35	0.070	0.007	0.064	90.8	14.65
04:40	0.074	0.007	0.067	95.1	15.31
04:45	0.077	0.007	0.070	99.6	15.99
04:50	0.077	0.007	0.070	102.2	16.70
04:55	0.080	0.007	0.073	105.5	17.42
05:00	0.083	0.007	0.076	109.7	18.18
05:05	0.099	0.007	0.092	122.5	19.02
05:10	0.115	0.007	0.108	141.4	20.00
05:15	0.125	0.007	0.118	158.2	21.09
05:20	0.134	0.007	0.128	173.2	22.28
05:25	0.150	0.007	0.144	191.7	23.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.007	0.172	221.5	25.12
05:35	0.061	0.007	0.054	161.6	26.24
05:40	0.029	0.007	0.022	93.7	26.88
05:45	0.019	0.007	0.012	59.0	27.29
05:50	0.016	0.007	0.009	39.3	27.56
05:55	0.010	0.005	0.005	29.0	27.76
06:00	0.006	0.003	0.003	21.7	27.91
06:05	0.000	0.000	0.000	14.4	28.01
06:10	0.000	0.000	0.000	8.1	28.06
06:15	0.000	0.000	0.000	3.1	28.08
06:20	0.000	0.000	0.000	1.4	28.09
06:25	0.000	0.000	0.000	0.8	28.10
06:30	0.000	0.000	0.000	0.5	28.10
06:35	0.000	0.000	0.000	0.2	28.10
06:40	0.000	0.000	0.000	0.1	28.10
06:45	0.000	0.000	0.000	0.0	28.10
06:50	0.000	0.000	0.000	0.0	28.10
06:55	0.000	0.000	0.000	0.0	28.10
07:00	0.000	0.000	0.000	0.0	28.10
07:05	0.000	0.000	0.000	0.0	28.10
07:10	0.000	0.000	0.000	0.0	28.10
07:15	0.000	0.000	0.000	0.0	28.10
07:20	0.000	0.000	0.000	0.0	28.10
07:25	0.000	0.000	0.000	0.0	28.10
07:30	0.000	0.000	0.000	0.0	28.10
07:35	0.000	0.000	0.000	0.0	28.10
07:40	0.000	0.000	0.000	0.0	28.10
07:45	0.000	0.000	0.000	0.0	28.10
07:50	0.000	0.000	0.000	0.0	28.10
07:55	0.000	0.000	0.000	0.0	28.10
08:00	0.000	0.000	0.000	0.0	28.10
08:05	0.000	0.000	0.000	0.0	28.10
08:10	0.000	0.000	0.000	0.0	28.10
08:15	0.000	0.000	0.000	0.0	28.10
08:20	0.000	0.000	0.000	0.0	28.10
08:25	0.000	0.000	0.000	0.0	28.10
08:30	0.000	0.000	0.000	0.0	28.10
08:35	0.000	0.000	0.000	0.0	28.10
08:40	0.000	0.000	0.000	0.0	28.10
08:45	0.000	0.000	0.000	0.0	28.10
08:50	0.000	0.000	0.000	0.0	28.10
08:55	0.000	0.000	0.000	0.0	28.10
09:00	0.000	0.000	0.000	0.0	28.10
09:05	0.000	0.000	0.000	0.0	28.10
09:10	0.000	0.000	0.000	0.0	28.10
09:15	0.000	0.000	0.000	0.0	28.10
09:20	0.000	0.000	0.000	0.0	28.10
09:25	0.000	0.000	0.000	0.0	28.10
09:30	0.000	0.000	0.000	0.0	28.10
09:35	0.000	0.000	0.000	0.0	28.10
09:40	0.000	0.000	0.000	0.0	28.10
09:45	0.000	0.000	0.000	0.0	28.10
09:50	0.000	0.000	0.000	0.0	28.10
09:55	0.000	0.000	0.000	0.0	28.10
10:00	0.000	0.000	0.000	0.0	28.10
10:05	0.000	0.000	0.000	0.0	28.10
10:10	0.000	0.000	0.000	0.0	28.10
10:15	0.000	0.000	0.000	0.0	28.10
10:20	0.000	0.000	0.000	0.0	28.10
10:25	0.000	0.000	0.000	0.0	28.10
10:30	0.000	0.000	0.000	0.0	28.10
10:35	0.000	0.000	0.000	0.0	28.10

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	2.5	0.02
00:10	0.019	0.008	0.012	5.1	0.05
00:15	0.019	0.008	0.012	6.4	0.10
00:20	0.019	0.008	0.012	6.9	0.14
00:25	0.019	0.008	0.012	7.2	0.19
00:30	0.022	0.008	0.015	8.3	0.25
00:35	0.022	0.008	0.015	9.1	0.31
00:40	0.022	0.008	0.015	9.4	0.38
00:45	0.022	0.008	0.015	9.7	0.44
00:50	0.022	0.008	0.015	9.8	0.51
00:55	0.022	0.008	0.015	9.8	0.58
01:00	0.026	0.008	0.018	10.8	0.65
01:05	0.026	0.008	0.018	11.5	0.73
01:10	0.026	0.008	0.018	11.8	0.82
01:15	0.026	0.008	0.018	11.9	0.90
01:20	0.026	0.008	0.018	11.9	0.98
01:25	0.026	0.008	0.018	12.0	1.06
01:30	0.026	0.008	0.018	12.0	1.14
01:35	0.026	0.008	0.018	12.1	1.23
01:40	0.026	0.008	0.018	12.1	1.31
01:45	0.026	0.008	0.018	12.1	1.39
01:50	0.026	0.008	0.018	12.1	1.48
01:55	0.026	0.008	0.018	12.1	1.56
02:00	0.029	0.008	0.021	13.0	1.65
02:05	0.026	0.008	0.018	12.8	1.74
02:10	0.029	0.008	0.021	13.3	1.83
02:15	0.029	0.008	0.021	13.8	1.93
02:20	0.029	0.008	0.021	14.0	2.02
02:25	0.029	0.008	0.021	14.1	2.12
02:30	0.029	0.008	0.021	14.1	2.22
02:35	0.029	0.008	0.021	14.2	2.31
02:40	0.029	0.008	0.021	14.2	2.41
02:45	0.032	0.008	0.025	15.1	2.52
02:50	0.032	0.008	0.025	15.8	2.62
02:55	0.032	0.008	0.025	16.1	2.74
03:00	0.032	0.008	0.025	16.2	2.85
03:05	0.032	0.008	0.025	16.2	2.96
03:10	0.035	0.008	0.028	17.2	3.08
03:15	0.035	0.008	0.028	17.9	3.20
03:20	0.035	0.008	0.028	18.2	3.33
03:25	0.038	0.008	0.031	19.3	3.46
03:30	0.042	0.008	0.034	20.9	3.60
03:35	0.045	0.008	0.037	22.7	3.76
03:40	0.045	0.008	0.037	23.8	3.92
03:45	0.048	0.008	0.041	25.1	4.10
03:50	0.048	0.008	0.041	26.0	4.27
03:55	0.051	0.008	0.044	27.3	4.46
04:00	0.051	0.008	0.044	28.2	4.66
04:05	0.054	0.008	0.047	29.5	4.86
04:10	0.058	0.008	0.050	31.4	5.08
04:15	0.061	0.008	0.053	33.3	5.31
04:20	0.064	0.008	0.057	35.3	5.55
04:25	0.067	0.008	0.060	37.4	5.81
04:30	0.067	0.008	0.060	38.5	6.07
04:35	0.070	0.008	0.063	40.0	6.35
04:40	0.074	0.008	0.066	41.8	6.64
04:45	0.077	0.008	0.069	43.8	6.94
04:50	0.077	0.008	0.069	45.0	7.25
04:55	0.080	0.008	0.073	46.5	7.57
05:00	0.083	0.008	0.076	48.3	7.90
05:05	0.099	0.008	0.092	54.0	8.27
05:10	0.115	0.008	0.108	62.4	8.70
05:15	0.125	0.008	0.117	69.9	9.18
05:20	0.134	0.008	0.127	76.5	9.71
05:25	0.150	0.008	0.143	84.8	10.29

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	97.9	10.97
05:35	0.061	0.008	0.053	71.9	11.46
05:40	0.029	0.008	0.021	41.5	11.75
05:45	0.019	0.008	0.012	26.1	11.93
05:50	0.016	0.008	0.009	17.1	12.05
05:55	0.010	0.005	0.005	12.7	12.13
06:00	0.006	0.003	0.003	9.6	12.20
06:05	0.000	0.000	0.000	6.4	12.25
06:10	0.000	0.000	0.000	3.7	12.27
06:15	0.000	0.000	0.000	1.4	12.28
06:20	0.000	0.000	0.000	0.6	12.28
06:25	0.000	0.000	0.000	0.4	12.29
06:30	0.000	0.000	0.000	0.2	12.29
06:35	0.000	0.000	0.000	0.1	12.29
06:40	0.000	0.000	0.000	0.0	12.29
06:45	0.000	0.000	0.000	0.0	12.29
06:50	0.000	0.000	0.000	0.0	12.29
06:55	0.000	0.000	0.000	0.0	12.29
07:00	0.000	0.000	0.000	0.0	12.29
07:05	0.000	0.000	0.000	0.0	12.29
07:10	0.000	0.000	0.000	0.0	12.29
07:15	0.000	0.000	0.000	0.0	12.29
07:20	0.000	0.000	0.000	0.0	12.29
07:25	0.000	0.000	0.000	0.0	12.29
07:30	0.000	0.000	0.000	0.0	12.29
07:35	0.000	0.000	0.000	0.0	12.29
07:40	0.000	0.000	0.000	0.0	12.29
07:45	0.000	0.000	0.000	0.0	12.29
07:50	0.000	0.000	0.000	0.0	12.29
07:55	0.000	0.000	0.000	0.0	12.29
08:00	0.000	0.000	0.000	0.0	12.29
08:05	0.000	0.000	0.000	0.0	12.29
08:10	0.000	0.000	0.000	0.0	12.29
08:15	0.000	0.000	0.000	0.0	12.29
08:20	0.000	0.000	0.000	0.0	12.29
08:25	0.000	0.000	0.000	0.0	12.29
08:30	0.000	0.000	0.000	0.0	12.29
08:35	0.000	0.000	0.000	0.0	12.29
08:40	0.000	0.000	0.000	0.0	12.29
08:45	0.000	0.000	0.000	0.0	12.29
08:50	0.000	0.000	0.000	0.0	12.29
08:55	0.000	0.000	0.000	0.0	12.29
09:00	0.000	0.000	0.000	0.0	12.29
09:05	0.000	0.000	0.000	0.0	12.29
09:10	0.000	0.000	0.000	0.0	12.29
09:15	0.000	0.000	0.000	0.0	12.29
09:20	0.000	0.000	0.000	0.0	12.29
09:25	0.000	0.000	0.000	0.0	12.29
09:30	0.000	0.000	0.000	0.0	12.29
09:35	0.000	0.000	0.000	0.0	12.29
09:40	0.000	0.000	0.000	0.0	12.29
09:45	0.000	0.000	0.000	0.0	12.29
09:50	0.000	0.000	0.000	0.0	12.29
09:55	0.000	0.000	0.000	0.0	12.29
10:00	0.000	0.000	0.000	0.0	12.29
10:05	0.000	0.000	0.000	0.0	12.29
10:10	0.000	0.000	0.000	0.0	12.29
10:15	0.000	0.000	0.000	0.0	12.29
10:20	0.000	0.000	0.000	0.0	12.29
10:25	0.000	0.000	0.000	0.0	12.29
10:30	0.000	0.000	0.000	0.0	12.29
10:35	0.000	0.000	0.000	0.0	12.29

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	0.5	0.00
02:50	0.032	0.029	0.003	0.6	0.01
02:55	0.032	0.029	0.003	0.7	0.01
03:00	0.032	0.029	0.003	0.7	0.02
03:05	0.032	0.029	0.003	0.7	0.02
03:10	0.035	0.029	0.006	1.3	0.03
03:15	0.035	0.029	0.006	1.5	0.04
03:20	0.035	0.029	0.006	1.5	0.05
03:25	0.038	0.029	0.009	2.1	0.07
03:30	0.042	0.029	0.012	2.9	0.09
03:35	0.045	0.029	0.016	3.7	0.11
03:40	0.045	0.029	0.016	3.9	0.14
03:45	0.048	0.029	0.019	4.6	0.17
03:50	0.048	0.029	0.019	4.8	0.20
03:55	0.051	0.029	0.022	5.5	0.24
04:00	0.051	0.029	0.022	5.7	0.28
04:05	0.054	0.029	0.025	6.3	0.33
04:10	0.058	0.029	0.028	7.1	0.37
04:15	0.061	0.029	0.032	7.9	0.43
04:20	0.064	0.029	0.035	8.8	0.49
04:25	0.067	0.029	0.038	9.6	0.56
04:30	0.067	0.029	0.038	9.9	0.62
04:35	0.070	0.029	0.041	10.6	0.70
04:40	0.074	0.029	0.044	11.4	0.77
04:45	0.077	0.029	0.048	12.2	0.86
04:50	0.077	0.029	0.048	12.5	0.94
04:55	0.080	0.029	0.051	13.1	1.03
05:00	0.083	0.029	0.054	13.9	1.13
05:05	0.099	0.029	0.070	17.0	1.25
05:10	0.115	0.029	0.086	20.7	1.39
05:15	0.125	0.029	0.096	23.6	1.55
05:20	0.134	0.029	0.105	26.2	1.73
05:25	0.150	0.029	0.121	30.0	1.94

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	36.3	2.19
05:35	0.061	0.029	0.032	17.5	2.31
05:40	0.029	0.029	0.000	6.6	2.35
05:45	0.019	0.019	0.000	3.3	2.38
05:50	0.016	0.016	0.000	2.1	2.39
05:55	0.010	0.010	0.000	1.1	2.40
06:00	0.006	0.006	0.000	0.2	2.40
06:05	0.000	0.000	0.000	0.0	2.40
06:10	0.000	0.000	0.000	0.0	2.40
06:15	0.000	0.000	0.000	0.0	2.40
06:20	0.000	0.000	0.000	0.0	2.40
06:25	0.000	0.000	0.000	0.0	2.40
06:30	0.000	0.000	0.000	0.0	2.40
06:35	0.000	0.000	0.000	0.0	2.40
06:40	0.000	0.000	0.000	0.0	2.40
06:45	0.000	0.000	0.000	0.0	2.40
06:50	0.000	0.000	0.000	0.0	2.40
06:55	0.000	0.000	0.000	0.0	2.40
07:00	0.000	0.000	0.000	0.0	2.40
07:05	0.000	0.000	0.000	0.0	2.40
07:10	0.000	0.000	0.000	0.0	2.40
07:15	0.000	0.000	0.000	0.0	2.40
07:20	0.000	0.000	0.000	0.0	2.40
07:25	0.000	0.000	0.000	0.0	2.40
07:30	0.000	0.000	0.000	0.0	2.40
07:35	0.000	0.000	0.000	0.0	2.40
07:40	0.000	0.000	0.000	0.0	2.40
07:45	0.000	0.000	0.000	0.0	2.40
07:50	0.000	0.000	0.000	0.0	2.40
07:55	0.000	0.000	0.000	0.0	2.40
08:00	0.000	0.000	0.000	0.0	2.40
08:05	0.000	0.000	0.000	0.0	2.40
08:10	0.000	0.000	0.000	0.0	2.40
08:15	0.000	0.000	0.000	0.0	2.40
08:20	0.000	0.000	0.000	0.0	2.40
08:25	0.000	0.000	0.000	0.0	2.40
08:30	0.000	0.000	0.000	0.0	2.40
08:35	0.000	0.000	0.000	0.0	2.40
08:40	0.000	0.000	0.000	0.0	2.40
08:45	0.000	0.000	0.000	0.0	2.40
08:50	0.000	0.000	0.000	0.0	2.40
08:55	0.000	0.000	0.000	0.0	2.40
09:00	0.000	0.000	0.000	0.0	2.40
09:05	0.000	0.000	0.000	0.0	2.40
09:10	0.000	0.000	0.000	0.0	2.40
09:15	0.000	0.000	0.000	0.0	2.40
09:20	0.000	0.000	0.000	0.0	2.40
09:25	0.000	0.000	0.000	0.0	2.40
09:30	0.000	0.000	0.000	0.0	2.40
09:35	0.000	0.000	0.000	0.0	2.40
09:40	0.000	0.000	0.000	0.0	2.40
09:45	0.000	0.000	0.000	0.0	2.40
09:50	0.000	0.000	0.000	0.0	2.40
09:55	0.000	0.000	0.000	0.0	2.40
10:00	0.000	0.000	0.000	0.0	2.40
10:05	0.000	0.000	0.000	0.0	2.40
10:10	0.000	0.000	0.000	0.0	2.40
10:15	0.000	0.000	0.000	0.0	2.40
10:20	0.000	0.000	0.000	0.0	2.40
10:25	0.000	0.000	0.000	0.0	2.40
10:30	0.000	0.000	0.000	0.0	2.40
10:35	0.000	0.000	0.000	0.0	2.40

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	1.3	0.01
00:10	0.019	0.002	0.018	1.7	0.02
00:15	0.019	0.002	0.018	1.8	0.03
00:20	0.019	0.002	0.018	1.8	0.05
00:25	0.019	0.002	0.018	1.8	0.06
00:30	0.022	0.002	0.021	2.1	0.07
00:35	0.022	0.002	0.021	2.2	0.09
00:40	0.022	0.002	0.021	2.2	0.10
00:45	0.022	0.002	0.021	2.2	0.12
00:50	0.022	0.002	0.021	2.2	0.13
00:55	0.022	0.002	0.021	2.2	0.15
01:00	0.026	0.002	0.024	2.5	0.16
01:05	0.026	0.002	0.024	2.5	0.18
01:10	0.026	0.002	0.024	2.5	0.20
01:15	0.026	0.002	0.024	2.5	0.22
01:20	0.026	0.002	0.024	2.5	0.23
01:25	0.026	0.002	0.024	2.5	0.25
01:30	0.026	0.002	0.024	2.5	0.27
01:35	0.026	0.002	0.024	2.5	0.29
01:40	0.026	0.002	0.024	2.5	0.30
01:45	0.026	0.002	0.024	2.5	0.32
01:50	0.026	0.002	0.024	2.5	0.34
01:55	0.026	0.002	0.024	2.5	0.36
02:00	0.029	0.002	0.027	2.8	0.37
02:05	0.026	0.002	0.024	2.6	0.39
02:10	0.029	0.002	0.027	2.8	0.41
02:15	0.029	0.002	0.027	2.8	0.43
02:20	0.029	0.002	0.027	2.9	0.45
02:25	0.029	0.002	0.027	2.9	0.47
02:30	0.029	0.002	0.027	2.9	0.49
02:35	0.029	0.002	0.027	2.9	0.51
02:40	0.029	0.002	0.027	2.9	0.53
02:45	0.032	0.002	0.030	3.1	0.55
02:50	0.032	0.002	0.030	3.2	0.57
02:55	0.032	0.002	0.030	3.2	0.60
03:00	0.032	0.002	0.030	3.2	0.62
03:05	0.032	0.002	0.030	3.2	0.64
03:10	0.035	0.002	0.034	3.5	0.66
03:15	0.035	0.002	0.034	3.5	0.69
03:20	0.035	0.002	0.034	3.5	0.71
03:25	0.038	0.002	0.037	3.8	0.74
03:30	0.042	0.002	0.040	4.1	0.77
03:35	0.045	0.002	0.043	4.5	0.80
03:40	0.045	0.002	0.043	4.5	0.83
03:45	0.048	0.002	0.046	4.8	0.86
03:50	0.048	0.002	0.046	4.9	0.89
03:55	0.051	0.002	0.050	5.2	0.93
04:00	0.051	0.002	0.050	5.2	0.97
04:05	0.054	0.002	0.053	5.5	1.00
04:10	0.058	0.002	0.056	5.8	1.04
04:15	0.061	0.002	0.059	6.1	1.09
04:20	0.064	0.002	0.062	6.5	1.13
04:25	0.067	0.002	0.066	6.8	1.18
04:30	0.067	0.002	0.066	6.9	1.23
04:35	0.070	0.002	0.069	7.2	1.27
04:40	0.074	0.002	0.072	7.5	1.33
04:45	0.077	0.002	0.075	7.8	1.38
04:50	0.077	0.002	0.075	7.9	1.43
04:55	0.080	0.002	0.078	8.2	1.49
05:00	0.083	0.002	0.082	8.5	1.55
05:05	0.099	0.002	0.098	10.0	1.62
05:10	0.115	0.002	0.114	11.6	1.70
05:15	0.125	0.002	0.123	12.7	1.79
05:20	0.134	0.002	0.133	13.7	1.88
05:25	0.150	0.002	0.149	15.3	1.99

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.178	18.1	2.11
05:35	0.061	0.002	0.059	8.1	2.17
05:40	0.029	0.002	0.027	4.2	2.19
05:45	0.019	0.002	0.018	2.4	2.21
05:50	0.016	0.002	0.014	1.7	2.22
05:55	0.010	0.002	0.008	1.0	2.23
06:00	0.006	0.001	0.005	0.6	2.23
06:05	0.000	0.000	0.000	0.1	2.23
06:10	0.000	0.000	0.000	0.0	2.23
06:15	0.000	0.000	0.000	0.0	2.23
06:20	0.000	0.000	0.000	0.0	2.23
06:25	0.000	0.000	0.000	0.0	2.23
06:30	0.000	0.000	0.000	0.0	2.23
06:35	0.000	0.000	0.000	0.0	2.23
06:40	0.000	0.000	0.000	0.0	2.23
06:45	0.000	0.000	0.000	0.0	2.23
06:50	0.000	0.000	0.000	0.0	2.23
06:55	0.000	0.000	0.000	0.0	2.23
07:00	0.000	0.000	0.000	0.0	2.23
07:05	0.000	0.000	0.000	0.0	2.23
07:10	0.000	0.000	0.000	0.0	2.23
07:15	0.000	0.000	0.000	0.0	2.23
07:20	0.000	0.000	0.000	0.0	2.23
07:25	0.000	0.000	0.000	0.0	2.23
07:30	0.000	0.000	0.000	0.0	2.23
07:35	0.000	0.000	0.000	0.0	2.23
07:40	0.000	0.000	0.000	0.0	2.23
07:45	0.000	0.000	0.000	0.0	2.23
07:50	0.000	0.000	0.000	0.0	2.23
07:55	0.000	0.000	0.000	0.0	2.23
08:00	0.000	0.000	0.000	0.0	2.23
08:05	0.000	0.000	0.000	0.0	2.23
08:10	0.000	0.000	0.000	0.0	2.23
08:15	0.000	0.000	0.000	0.0	2.23
08:20	0.000	0.000	0.000	0.0	2.23
08:25	0.000	0.000	0.000	0.0	2.23
08:30	0.000	0.000	0.000	0.0	2.23
08:35	0.000	0.000	0.000	0.0	2.23
08:40	0.000	0.000	0.000	0.0	2.23
08:45	0.000	0.000	0.000	0.0	2.23
08:50	0.000	0.000	0.000	0.0	2.23
08:55	0.000	0.000	0.000	0.0	2.23
09:00	0.000	0.000	0.000	0.0	2.23
09:05	0.000	0.000	0.000	0.0	2.23
09:10	0.000	0.000	0.000	0.0	2.23
09:15	0.000	0.000	0.000	0.0	2.23
09:20	0.000	0.000	0.000	0.0	2.23
09:25	0.000	0.000	0.000	0.0	2.23
09:30	0.000	0.000	0.000	0.0	2.23
09:35	0.000	0.000	0.000	0.0	2.23
09:40	0.000	0.000	0.000	0.0	2.23
09:45	0.000	0.000	0.000	0.0	2.23
09:50	0.000	0.000	0.000	0.0	2.23
09:55	0.000	0.000	0.000	0.0	2.23
10:00	0.000	0.000	0.000	0.0	2.23
10:05	0.000	0.000	0.000	0.0	2.23
10:10	0.000	0.000	0.000	0.0	2.23
10:15	0.000	0.000	0.000	0.0	2.23
10:20	0.000	0.000	0.000	0.0	2.23
10:25	0.000	0.000	0.000	0.0	2.23
10:30	0.000	0.000	0.000	0.0	2.23
10:35	0.000	0.000	0.000	0.0	2.23

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.05	0.1	1.3	0.00	0.01
00:10	0.15	0.1	1.7	0.01	0.02
00:15	0.28	0.1	1.8	0.03	0.03
00:20	0.41	0.1	1.8	0.04	0.05
00:25	0.55	0.1	1.8	0.05	0.06
00:30	0.69	0.1	2.1	0.07	0.07
00:35	0.85	0.1	2.2	0.08	0.09
00:40	1.01	0.1	2.2	0.10	0.10
00:45	1.17	0.1	2.2	0.11	0.12
00:50	1.33	0.1	2.2	0.13	0.13
00:55	1.49	0.1	2.2	0.14	0.15
01:00	1.65	0.1	2.5	0.16	0.16
01:05	1.84	0.1	2.5	0.17	0.18
01:10	2.02	0.1	2.5	0.19	0.20
01:15	2.20	0.1	2.5	0.21	0.22
01:20	2.39	0.1	2.5	0.23	0.23
01:25	2.57	0.1	2.5	0.24	0.25
01:30	2.75	0.1	2.5	0.26	0.27
01:35	2.94	0.1	2.5	0.28	0.29
01:40	3.10	0.1	2.5	0.29	0.30
01:45	3.17	0.1	2.5	0.30	0.32
01:50	3.19	0.1	2.5	0.30	0.34
01:55	3.19	0.1	2.5	0.30	0.36
02:00	3.20	0.1	2.8	0.30	0.37
02:05	3.20	0.1	2.6	0.30	0.39
02:10	3.20	0.1	2.8	0.30	0.41
02:15	3.21	0.1	2.8	0.30	0.43
02:20	3.21	0.1	2.9	0.30	0.45
02:25	3.21	0.1	2.9	0.30	0.47
02:30	3.21	0.1	2.9	0.30	0.49
02:35	3.21	0.1	2.9	0.30	0.51
02:40	3.21	0.1	2.9	0.30	0.53
02:45	3.21	0.1	3.1	0.30	0.55
02:50	3.22	0.1	3.2	0.30	0.57
02:55	3.22	0.1	3.2	0.30	0.60
03:00	3.22	0.1	3.2	0.30	0.62
03:05	3.22	0.1	3.2	0.30	0.64
03:10	3.23	0.1	3.5	0.31	0.66
03:15	3.24	0.1	3.5	0.31	0.69
03:20	3.24	0.1	3.5	0.31	0.71
03:25	3.25	0.1	3.8	0.31	0.74
03:30	3.26	0.1	4.1	0.31	0.77
03:35	3.27	0.1	4.5	0.31	0.80
03:40	3.28	0.1	4.5	0.31	0.83
03:45	3.29	0.1	4.8	0.31	0.86
03:50	3.30	0.1	4.9	0.31	0.89
03:55	3.30	0.1	5.2	0.31	0.93
04:00	3.31	0.1	5.2	0.31	0.97
04:05	3.32	0.1	5.5	0.31	1.00
04:10	3.33	0.1	5.8	0.31	1.04
04:15	3.34	0.1	6.1	0.32	1.09
04:20	3.35	0.1	6.5	0.32	1.13
04:25	3.37	0.1	6.8	0.32	1.18
04:30	3.37	0.1	6.9	0.32	1.23
04:35	3.38	0.1	7.2	0.32	1.27
04:40	3.39	0.1	7.5	0.32	1.33
04:45	3.40	0.1	7.8	0.32	1.38
04:50	3.41	0.1	7.9	0.32	1.43
04:55	3.42	0.1	8.2	0.32	1.49
05:00	3.43	0.1	8.5	0.33	1.55
05:05	3.45	0.1	10.0	0.33	1.62
05:10	3.50	0.1	11.6	0.33	1.70
05:15	3.54	0.1	12.7	0.34	1.79
05:20	3.58	0.1	13.7	0.34	1.88
05:25	3.61	0.1	15.3	0.35	1.99

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.67	0.1	18.1	0.35	2.11
05:35	3.59	0.1	8.1	0.34	2.17
05:40	3.38	0.1	4.2	0.32	2.19
05:45	3.26	0.1	2.4	0.31	2.21
05:50	3.19	0.1	1.7	0.30	2.22
05:55	3.14	0.1	1.0	0.30	2.23
06:00	3.11	0.1	0.6	0.29	2.23
06:05	3.07	0.1	0.1	0.29	2.23
06:10	3.05	0.1	0.0	0.29	2.23
06:15	3.03	0.1	0.0	0.29	2.23
06:20	3.02	0.1	0.0	0.29	2.23
06:25	3.02	0.1	0.0	0.28	2.23
06:30	3.01	0.1	0.0	0.28	2.23
06:35	3.01	0.1	0.0	0.28	2.23
06:40	3.01	0.1	0.0	0.28	2.23
06:45	3.01	0.1	0.0	0.28	2.23
06:50	3.01	0.1	0.0	0.28	2.23
06:55	3.00	0.1	0.0	0.28	2.23
07:00	3.00	0.1	0.0	0.28	2.23
07:05	3.00	0.1	0.0	0.28	2.23
07:10	3.00	0.1	0.0	0.28	2.23
07:15	3.00	0.1	0.0	0.28	2.23
07:20	3.00	0.1	0.0	0.28	2.23
07:25	3.00	0.1	0.0	0.28	2.23
07:30	3.00	0.1	0.0	0.28	2.23
07:35	3.00	0.1	0.0	0.28	2.23
07:40	3.00	0.1	0.0	0.28	2.23
07:45	3.00	0.1	0.0	0.28	2.23
07:50	3.00	0.1	0.0	0.28	2.23
07:55	3.00	0.1	0.0	0.28	2.23
08:00	3.00	0.1	0.0	0.28	2.23
08:05	3.00	0.1	0.0	0.28	2.23
08:10	3.00	0.1	0.0	0.28	2.23
08:15	3.00	0.1	0.0	0.28	2.23
08:20	3.00	0.1	0.0	0.28	2.23
08:25	3.00	0.1	0.0	0.28	2.23
08:30	3.00	0.1	0.0	0.28	2.23
08:35	3.00	0.1	0.0	0.28	2.23
08:40	3.00	0.1	0.0	0.28	2.23
08:45	3.00	0.1	0.0	0.28	2.23
08:50	3.00	0.1	0.0	0.28	2.23
08:55	3.00	0.1	0.0	0.28	2.23
09:00	3.00	0.1	0.0	0.28	2.23
09:05	3.00	0.1	0.0	0.28	2.23
09:10	3.00	0.1	0.0	0.28	2.23
09:15	3.00	0.1	0.0	0.28	2.23
09:20	3.00	0.1	0.0	0.28	2.23
09:25	3.00	0.1	0.0	0.28	2.23
09:30	3.00	0.1	0.0	0.28	2.23
09:35	3.00	0.1	0.0	0.28	2.23
09:40	3.00	0.1	0.0	0.28	2.23
09:45	3.00	0.1	0.0	0.28	2.23
09:50	3.00	0.1	0.0	0.28	2.23
09:55	3.00	0.1	0.0	0.28	2.23
10:00	3.00	0.1	0.0	0.28	2.23
10:05	3.00	0.1	0.0	0.28	2.23
10:10	3.00	0.1	0.0	0.28	2.23
10:15	3.00	0.1	0.0	0.28	2.23
10:20	3.00	0.1	0.0	0.28	2.23
10:25	3.00	0.1	0.0	0.28	2.23
10:30	3.00	0.1	0.0	0.28	2.23
10:35	3.00	0.1	0.0	0.28	2.23

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	2.5	4.41	0.02
00:10	5.1	8.29	0.05
00:15	6.4	9.11	0.10
00:20	7.0	9.39	0.14
00:25	7.2	9.51	0.19
00:30	8.3	9.68	0.25
00:35	9.1	9.91	0.31
00:40	9.5	10.04	0.38
00:45	9.7	10.11	0.45
00:50	9.8	10.15	0.51
00:55	9.9	10.16	0.58
01:00	10.8	10.27	0.65
01:05	11.5	10.43	0.73
01:10	11.8	10.51	0.82
01:15	11.9	10.55	0.90
01:20	12.0	10.56	0.98
01:25	12.0	10.57	1.06
01:30	12.0	10.58	1.14
01:35	12.1	10.58	1.23
01:40	13.1	10.68	1.32
01:45	14.2	10.85	1.42
01:50	14.5	10.96	1.52
01:55	14.6	10.99	1.62
02:00	15.7	11.09	1.72
02:05	15.4	11.14	1.83
02:10	15.9	11.16	1.94
02:15	16.6	11.25	2.05
02:20	16.8	11.30	2.17
02:25	16.9	11.32	2.29
02:30	17.0	11.33	2.40
02:35	17.0	11.34	2.52
02:40	17.1	11.34	2.64
02:45	18.6	11.46	2.77
02:50	19.6	11.61	2.90
02:55	19.9	11.69	3.04
03:00	20.1	11.71	3.18
03:05	20.2	11.73	3.32
03:10	21.8	11.84	3.47
03:15	22.9	11.98	3.62
03:20	23.2	12.05	3.78
03:25	25.0	12.18	3.96
03:30	27.7	12.40	4.15
03:35	30.7	12.66	4.36
03:40	32.2	12.83	4.58
03:45	34.4	12.99	4.82
03:50	35.7	13.11	5.06
03:55	37.8	13.25	5.32
04:00	39.1	13.36	5.59
04:05	41.2	13.48	5.88
04:10	44.1	13.65	6.18
04:15	47.2	13.84	6.50
04:20	50.4	14.02	6.85
04:25	53.6	14.20	7.22
04:30	55.2	14.32	7.60
04:35	57.5	14.43	8.00
04:40	60.5	14.56	8.41
04:45	63.7	14.71	8.85
04:50	65.3	14.81	9.30
04:55	67.6	14.91	9.77
05:00	70.6	15.03	10.25
05:05	80.1	15.34	10.81
05:10	93.7	15.80	11.45
05:15	105.4	16.22	12.18
05:20	115.8	16.55	12.98
05:25	129.2	16.90	13.86

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	150.8	17.40	14.90
05:35	102.8	16.67	15.61
05:40	55.3	15.07	15.99
05:45	33.4	13.54	16.22
05:50	21.7	12.37	16.37
05:55	15.4	11.48	16.48
06:00	10.8	10.73	16.55
06:05	7.0	9.96	16.60
06:10	4.0	9.09	16.63
06:15	1.6	8.04	16.64
06:20	0.7	6.79	16.64
06:25	0.4	5.94	16.65
06:30	0.3	5.37	16.65
06:35	0.1	4.87	16.65
06:40	0.1	4.34	16.65
06:45	0.0	3.84	16.65
06:50	0.0	3.27	16.65
06:55	0.0	2.81	16.65
07:00	0.0	2.63	16.65
07:05	0.0	2.36	16.65
07:10	0.0	2.26	16.65
07:15	0.0	2.16	16.65
07:20	0.0	2.08	16.65
07:25	0.0	2.00	16.65
07:30	0.0	1.93	16.65
07:35	0.0	1.87	16.65
07:40	0.0	1.81	16.65
07:45	0.0	1.75	16.65
07:50	0.0	1.70	16.65
07:55	0.0	0.65	16.65
08:00	0.0	0.63	16.65
08:05	0.0	0.61	16.65
08:10	0.0	0.59	16.65
08:15	0.0	0.57	16.65
08:20	0.0	0.55	16.65
08:25	0.0	0.54	16.65
08:30	0.0	0.52	16.65
08:35	0.0	0.51	16.65
08:40	0.0	0.49	16.65
08:45	0.0	0.48	16.65
08:50	0.0	0.47	16.65
08:55	0.0	0.46	16.65
09:00	0.0	0.44	16.65
09:05	0.0	0.43	16.65
09:10	0.0	0.42	16.65
09:15	0.0	0.41	16.65
09:20	0.0	0.40	16.65
09:25	0.0	0.40	16.65
09:30	0.0	0.39	16.65
09:35	0.0	0.38	16.65
09:40	0.0	0.37	16.65
09:45	0.0	0.36	16.65
09:50	0.0	0.36	16.65
09:55	0.0	0.35	16.65
10:00	0.0	0.34	16.65
10:05	0.0	0.34	16.65
10:10	0.0	0.33	16.65
10:15	0.0	0.33	16.65
10:20	0.0	0.32	16.65
10:25	0.0	0.32	16.65
10:30	0.0	0.31	16.65
10:35	0.0	0.31	16.65

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.015	2.4	0.02
00:10	0.019	0.002	0.018	3.4	0.04
00:15	0.019	0.002	0.018	3.7	0.07
00:20	0.019	0.002	0.018	3.8	0.09
00:25	0.019	0.002	0.018	3.9	0.12
00:30	0.022	0.002	0.021	4.5	0.15
00:35	0.022	0.002	0.021	4.6	0.18
00:40	0.022	0.002	0.021	4.6	0.21
00:45	0.022	0.002	0.021	4.7	0.25
00:50	0.022	0.002	0.021	4.7	0.28
00:55	0.022	0.002	0.021	4.7	0.31
01:00	0.026	0.002	0.024	5.2	0.35
01:05	0.026	0.002	0.024	5.3	0.38
01:10	0.026	0.002	0.024	5.4	0.42
01:15	0.026	0.002	0.024	5.4	0.46
01:20	0.026	0.002	0.024	5.4	0.49
01:25	0.026	0.002	0.024	5.4	0.53
01:30	0.026	0.002	0.024	5.4	0.57
01:35	0.026	0.002	0.024	5.4	0.61
01:40	0.026	0.002	0.024	5.4	0.64
01:45	0.026	0.002	0.024	5.4	0.68
01:50	0.026	0.002	0.024	5.4	0.72
01:55	0.026	0.002	0.024	5.4	0.75
02:00	0.029	0.002	0.027	5.9	0.79
02:05	0.026	0.002	0.024	5.5	0.83
02:10	0.029	0.002	0.027	5.9	0.87
02:15	0.029	0.002	0.027	6.1	0.92
02:20	0.029	0.002	0.027	6.1	0.96
02:25	0.029	0.002	0.027	6.1	1.00
02:30	0.029	0.002	0.027	6.1	1.04
02:35	0.029	0.002	0.027	6.1	1.08
02:40	0.029	0.002	0.027	6.1	1.13
02:45	0.032	0.002	0.031	6.6	1.17
02:50	0.032	0.002	0.031	6.8	1.22
02:55	0.032	0.002	0.031	6.8	1.26
03:00	0.032	0.002	0.031	6.8	1.31
03:05	0.032	0.002	0.031	6.8	1.36
03:10	0.035	0.002	0.034	7.3	1.41
03:15	0.035	0.002	0.034	7.5	1.46
03:20	0.035	0.002	0.034	7.5	1.51
03:25	0.038	0.002	0.037	8.0	1.57
03:30	0.042	0.002	0.040	8.7	1.63
03:35	0.045	0.002	0.043	9.4	1.69
03:40	0.045	0.002	0.043	9.6	1.76
03:45	0.048	0.002	0.047	10.2	1.83
03:50	0.048	0.002	0.047	10.3	1.90
03:55	0.051	0.002	0.050	10.9	1.97
04:00	0.051	0.002	0.050	11.0	2.05
04:05	0.054	0.002	0.053	11.6	2.13
04:10	0.058	0.002	0.056	12.3	2.21
04:15	0.061	0.002	0.059	13.0	2.30
04:20	0.064	0.002	0.063	13.7	2.40
04:25	0.067	0.002	0.066	14.4	2.50
04:30	0.067	0.002	0.066	14.6	2.60
04:35	0.070	0.002	0.069	15.2	2.70
04:40	0.074	0.002	0.072	15.9	2.81
04:45	0.077	0.002	0.075	16.5	2.92
04:50	0.077	0.002	0.075	16.7	3.04
04:55	0.080	0.002	0.079	17.3	3.16
05:00	0.083	0.002	0.082	18.0	3.28
05:05	0.099	0.002	0.098	20.8	3.43
05:10	0.115	0.002	0.114	24.1	3.59
05:15	0.125	0.002	0.123	26.4	3.77
05:20	0.134	0.002	0.133	28.7	3.97
05:25	0.150	0.002	0.149	31.9	4.19

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.178	37.5	4.45
05:35	0.061	0.002	0.059	19.5	4.58
05:40	0.029	0.002	0.027	10.2	4.65
05:45	0.019	0.002	0.018	6.7	4.70
05:50	0.016	0.002	0.015	4.7	4.73
05:55	0.010	0.002	0.008	2.6	4.75
06:00	0.006	0.001	0.005	1.6	4.76
06:05	0.000	0.000	0.000	0.5	4.76
06:10	0.000	0.000	0.000	0.2	4.77
06:15	0.000	0.000	0.000	0.1	4.77
06:20	0.000	0.000	0.000	0.0	4.77
06:25	0.000	0.000	0.000	0.0	4.77
06:30	0.000	0.000	0.000	0.0	4.77
06:35	0.000	0.000	0.000	0.0	4.77
06:40	0.000	0.000	0.000	0.0	4.77
06:45	0.000	0.000	0.000	0.0	4.77
06:50	0.000	0.000	0.000	0.0	4.77
06:55	0.000	0.000	0.000	0.0	4.77
07:00	0.000	0.000	0.000	0.0	4.77
07:05	0.000	0.000	0.000	0.0	4.77
07:10	0.000	0.000	0.000	0.0	4.77
07:15	0.000	0.000	0.000	0.0	4.77
07:20	0.000	0.000	0.000	0.0	4.77
07:25	0.000	0.000	0.000	0.0	4.77
07:30	0.000	0.000	0.000	0.0	4.77
07:35	0.000	0.000	0.000	0.0	4.77
07:40	0.000	0.000	0.000	0.0	4.77
07:45	0.000	0.000	0.000	0.0	4.77
07:50	0.000	0.000	0.000	0.0	4.77
07:55	0.000	0.000	0.000	0.0	4.77
08:00	0.000	0.000	0.000	0.0	4.77
08:05	0.000	0.000	0.000	0.0	4.77
08:10	0.000	0.000	0.000	0.0	4.77
08:15	0.000	0.000	0.000	0.0	4.77
08:20	0.000	0.000	0.000	0.0	4.77
08:25	0.000	0.000	0.000	0.0	4.77
08:30	0.000	0.000	0.000	0.0	4.77
08:35	0.000	0.000	0.000	0.0	4.77
08:40	0.000	0.000	0.000	0.0	4.77
08:45	0.000	0.000	0.000	0.0	4.77
08:50	0.000	0.000	0.000	0.0	4.77
08:55	0.000	0.000	0.000	0.0	4.77
09:00	0.000	0.000	0.000	0.0	4.77
09:05	0.000	0.000	0.000	0.0	4.77
09:10	0.000	0.000	0.000	0.0	4.77
09:15	0.000	0.000	0.000	0.0	4.77
09:20	0.000	0.000	0.000	0.0	4.77
09:25	0.000	0.000	0.000	0.0	4.77
09:30	0.000	0.000	0.000	0.0	4.77
09:35	0.000	0.000	0.000	0.0	4.77
09:40	0.000	0.000	0.000	0.0	4.77
09:45	0.000	0.000	0.000	0.0	4.77
09:50	0.000	0.000	0.000	0.0	4.77
09:55	0.000	0.000	0.000	0.0	4.77
10:00	0.000	0.000	0.000	0.0	4.77
10:05	0.000	0.000	0.000	0.0	4.77
10:10	0.000	0.000	0.000	0.0	4.77
10:15	0.000	0.000	0.000	0.0	4.77
10:20	0.000	0.000	0.000	0.0	4.77
10:25	0.000	0.000	0.000	0.0	4.77
10:30	0.000	0.000	0.000	0.0	4.77
10:35	0.000	0.000	0.000	0.0	4.77

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.8	2.4	0.01	0.02
00:10	0.03	0.8	3.4	0.03	0.04
00:15	0.06	0.8	3.7	0.05	0.07
00:20	0.09	0.8	3.8	0.08	0.09
00:25	0.12	0.8	3.9	0.11	0.12
00:30	0.16	0.8	4.5	0.13	0.15
00:35	0.19	0.8	4.6	0.17	0.18
00:40	0.23	0.8	4.6	0.20	0.21
00:45	0.27	0.8	4.7	0.23	0.25
00:50	0.31	0.8	4.7	0.26	0.28
00:55	0.34	0.8	4.7	0.29	0.31
01:00	0.38	0.8	5.2	0.33	0.35
01:05	0.43	0.8	5.3	0.36	0.38
01:10	0.47	0.9	5.4	0.40	0.42
01:15	0.51	0.9	5.4	0.44	0.46
01:20	0.56	0.9	5.4	0.48	0.49
01:25	0.60	0.9	5.4	0.51	0.53
01:30	0.64	0.9	5.4	0.55	0.57
01:35	0.69	0.9	5.4	0.59	0.61
01:40	0.73	0.9	5.4	0.62	0.64
01:45	0.77	0.9	5.4	0.66	0.68
01:50	0.82	0.9	5.4	0.70	0.72
01:55	0.86	0.9	5.4	0.74	0.75
02:00	0.91	0.9	5.9	0.77	0.79
02:05	0.95	0.9	5.5	0.81	0.83
02:10	1.00	0.9	5.9	0.85	0.87
02:15	1.04	0.9	6.1	0.89	0.92
02:20	1.09	0.9	6.1	0.94	0.96
02:25	1.13	0.9	6.1	0.98	1.00
02:30	1.18	0.9	6.1	1.02	1.04
02:35	1.23	0.9	6.1	1.06	1.08
02:40	1.27	0.9	6.1	1.10	1.13
02:45	1.32	0.9	6.6	1.15	1.17
02:50	1.37	0.9	6.8	1.19	1.22
02:55	1.42	0.9	6.8	1.24	1.26
03:00	1.47	0.9	6.8	1.29	1.31
03:05	1.52	0.9	6.8	1.33	1.36
03:10	1.57	0.9	7.3	1.38	1.41
03:15	1.63	0.9	7.5	1.43	1.46
03:20	1.68	0.9	7.5	1.49	1.51
03:25	1.74	0.9	8.0	1.54	1.57
03:30	1.80	0.9	8.7	1.60	1.63
03:35	1.87	1.0	9.4	1.66	1.69
03:40	1.94	1.0	9.6	1.72	1.76
03:45	2.01	1.0	10.2	1.79	1.83
03:50	2.08	1.0	10.3	1.86	1.90
03:55	2.16	1.0	10.9	1.94	1.97
04:00	2.23	1.0	11.0	2.01	2.05
04:05	2.31	1.0	11.6	2.09	2.13
04:10	2.39	1.0	12.3	2.17	2.21
04:15	2.48	1.0	13.0	2.26	2.30
04:20	2.57	1.0	13.7	2.35	2.40
04:25	2.67	1.0	14.4	2.45	2.50
04:30	2.77	1.0	14.6	2.55	2.60
04:35	2.87	1.0	15.2	2.65	2.70
04:40	2.98	1.0	15.9	2.76	2.81
04:45	3.08	1.0	16.5	2.87	2.92
04:50	3.17	1.1	16.7	2.97	3.04
04:55	3.26	1.1	17.3	3.06	3.16
05:00	3.34	1.1	18.0	3.14	3.28
05:05	3.41	1.1	20.8	3.22	3.43
05:10	3.48	1.1	24.1	3.30	3.59
05:15	3.56	1.1	26.4	3.38	3.77
05:20	3.63	1.1	28.7	3.46	3.97
05:25	3.70	1.1	31.9	3.53	4.19

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.77	1.1	37.5	3.61	4.45
05:35	3.80	1.1	19.5	3.64	4.58
05:40	3.74	1.1	10.2	3.57	4.65
05:45	3.66	1.1	6.7	3.49	4.70
05:50	3.58	1.1	4.7	3.41	4.73
05:55	3.51	1.1	2.6	3.33	4.75
06:00	3.45	1.1	1.6	3.26	4.76
06:05	3.39	1.1	0.5	3.20	4.76
06:10	3.34	1.1	0.2	3.15	4.77
06:15	3.30	1.1	0.1	3.11	4.77
06:20	3.27	1.1	0.0	3.07	4.77
06:25	3.24	1.1	0.0	3.04	4.77
06:30	3.21	1.1	0.0	3.01	4.77
06:35	3.19	1.1	0.0	2.99	4.77
06:40	3.17	1.1	0.0	2.97	4.77
06:45	3.16	1.1	0.0	2.95	4.77
06:50	3.15	1.1	0.0	2.94	4.77
06:55	3.13	1.1	0.0	2.92	4.77
07:00	3.12	1.0	0.0	2.91	4.77
07:05	3.11	1.0	0.0	2.90	4.77
07:10	3.11	1.0	0.0	2.89	4.77
07:15	3.10	1.0	0.0	2.89	4.77
07:20	3.09	1.0	0.0	2.88	4.77
07:25	3.09	1.0	0.0	2.87	4.77
07:30	3.08	1.0	0.0	2.87	4.77
07:35	3.07	1.0	0.0	2.86	4.77
07:40	3.07	1.0	0.0	2.86	4.77
07:45	3.07	1.0	0.0	2.85	4.77
07:50	3.06	1.0	0.0	2.85	4.77
07:55	3.06	1.0	0.0	2.84	4.77
08:00	3.06	1.0	0.0	2.84	4.77
08:05	3.05	1.0	0.0	2.84	4.77
08:10	3.05	1.0	0.0	2.83	4.77
08:15	3.05	1.0	0.0	2.83	4.77
08:20	3.05	1.0	0.0	2.83	4.77
08:25	3.04	1.0	0.0	2.83	4.77
08:30	3.04	1.0	0.0	2.82	4.77
08:35	3.04	1.0	0.0	2.82	4.77
08:40	3.04	1.0	0.0	2.82	4.77
08:45	3.04	1.0	0.0	2.82	4.77
08:50	3.03	1.0	0.0	2.82	4.77
08:55	3.03	1.0	0.0	2.82	4.77
09:00	3.03	1.0	0.0	2.81	4.77
09:05	3.03	1.0	0.0	2.81	4.77
09:10	3.03	1.0	0.0	2.81	4.77
09:15	3.03	1.0	0.0	2.81	4.77
09:20	3.03	1.0	0.0	2.81	4.77
09:25	3.03	1.0	0.0	2.81	4.77
09:30	3.03	1.0	0.0	2.81	4.77
09:35	3.02	1.0	0.0	2.81	4.77
09:40	3.02	1.0	0.0	2.81	4.77
09:45	3.02	1.0	0.0	2.80	4.77
09:50	3.02	1.0	0.0	2.80	4.77
09:55	3.02	1.0	0.0	2.80	4.77
10:00	3.02	1.0	0.0	2.80	4.77
10:05	3.02	1.0	0.0	2.80	4.77
10:10	3.02	1.0	0.0	2.80	4.77
10:15	3.02	1.0	0.0	2.80	4.77
10:20	3.02	1.0	0.0	2.80	4.77
10:25	3.02	1.0	0.0	2.80	4.77
10:30	3.02	1.0	0.0	2.80	4.77
10:35	3.02	1.0	0.0	2.80	4.77

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.001	0.016	1.3	0.01
00:10	0.019	0.001	0.019	1.9	0.02
00:15	0.019	0.001	0.019	2.0	0.04
00:20	0.019	0.001	0.019	2.1	0.05
00:25	0.019	0.001	0.019	2.1	0.06
00:30	0.022	0.000	0.022	2.4	0.08
00:35	0.022	0.000	0.022	2.4	0.10
00:40	0.022	0.000	0.022	2.5	0.11
00:45	0.022	0.000	0.022	2.5	0.13
00:50	0.022	0.000	0.022	2.5	0.15
00:55	0.022	0.000	0.022	2.5	0.17
01:00	0.026	0.000	0.025	2.7	0.18
01:05	0.026	0.000	0.025	2.8	0.20
01:10	0.026	0.000	0.025	2.8	0.22
01:15	0.026	0.000	0.025	2.8	0.24
01:20	0.026	0.000	0.025	2.8	0.26
01:25	0.026	0.000	0.025	2.8	0.28
01:30	0.026	0.000	0.025	2.8	0.30
01:35	0.026	0.000	0.025	2.8	0.32
01:40	0.026	0.000	0.025	2.8	0.34
01:45	0.026	0.000	0.025	2.8	0.36
01:50	0.026	0.000	0.025	2.8	0.38
01:55	0.026	0.000	0.025	2.8	0.40
02:00	0.029	0.001	0.028	3.1	0.42
02:05	0.026	0.000	0.025	2.9	0.44
02:10	0.029	0.001	0.028	3.1	0.46
02:15	0.029	0.001	0.028	3.2	0.48
02:20	0.029	0.001	0.028	3.2	0.51
02:25	0.029	0.001	0.028	3.2	0.53
02:30	0.029	0.001	0.028	3.2	0.55
02:35	0.029	0.001	0.028	3.2	0.57
02:40	0.029	0.001	0.028	3.2	0.59
02:45	0.032	0.001	0.032	3.5	0.62
02:50	0.032	0.001	0.032	3.5	0.64
02:55	0.032	0.001	0.032	3.5	0.67
03:00	0.032	0.001	0.032	3.6	0.69
03:05	0.032	0.001	0.032	3.6	0.72
03:10	0.035	0.001	0.035	3.8	0.74
03:15	0.035	0.001	0.035	3.9	0.77
03:20	0.035	0.001	0.035	3.9	0.80
03:25	0.038	0.001	0.038	4.2	0.82
03:30	0.042	0.000	0.041	4.5	0.86
03:35	0.045	0.001	0.044	4.9	0.89
03:40	0.045	0.001	0.044	5.0	0.92
03:45	0.048	0.000	0.048	5.3	0.96
03:50	0.048	0.000	0.048	5.3	1.00
03:55	0.051	0.001	0.051	5.6	1.03
04:00	0.051	0.001	0.051	5.7	1.07
04:05	0.054	0.000	0.054	6.0	1.12
04:10	0.058	0.000	0.057	6.3	1.16
04:15	0.061	0.000	0.060	6.7	1.20
04:20	0.064	0.001	0.064	7.0	1.25
04:25	0.067	0.001	0.067	7.4	1.30
04:30	0.067	0.001	0.067	7.5	1.36
04:35	0.070	0.000	0.070	7.8	1.41
04:40	0.074	0.001	0.073	8.1	1.47
04:45	0.077	0.001	0.076	8.5	1.52
04:50	0.077	0.001	0.076	8.6	1.58
04:55	0.080	0.001	0.080	8.9	1.64
05:00	0.083	0.001	0.083	9.2	1.71
05:05	0.099	0.000	0.099	10.7	1.78
05:10	0.115	0.001	0.115	12.3	1.87
05:15	0.125	0.001	0.124	13.5	1.96
05:20	0.134	0.001	0.134	14.6	2.06
05:25	0.150	0.001	0.150	16.3	2.17

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.001	0.179	19.1	2.30
05:35	0.061	0.000	0.060	9.8	2.37
05:40	0.029	0.001	0.028	5.2	2.41
05:45	0.019	0.001	0.019	3.4	2.43
05:50	0.016	0.001	0.016	2.3	2.45
05:55	0.010	0.001	0.009	1.3	2.46
06:00	0.006	0.000	0.006	0.9	2.46
06:05	0.000	0.000	0.000	0.2	2.46
06:10	0.000	0.000	0.000	0.1	2.46
06:15	0.000	0.000	0.000	0.0	2.46
06:20	0.000	0.000	0.000	0.0	2.46
06:25	0.000	0.000	0.000	0.0	2.46
06:30	0.000	0.000	0.000	0.0	2.46
06:35	0.000	0.000	0.000	0.0	2.46
06:40	0.000	0.000	0.000	0.0	2.46
06:45	0.000	0.000	0.000	0.0	2.46
06:50	0.000	0.000	0.000	0.0	2.46
06:55	0.000	0.000	0.000	0.0	2.46
07:00	0.000	0.000	0.000	0.0	2.46
07:05	0.000	0.000	0.000	0.0	2.46
07:10	0.000	0.000	0.000	0.0	2.46
07:15	0.000	0.000	0.000	0.0	2.46
07:20	0.000	0.000	0.000	0.0	2.46
07:25	0.000	0.000	0.000	0.0	2.46
07:30	0.000	0.000	0.000	0.0	2.46
07:35	0.000	0.000	0.000	0.0	2.46
07:40	0.000	0.000	0.000	0.0	2.46
07:45	0.000	0.000	0.000	0.0	2.46
07:50	0.000	0.000	0.000	0.0	2.46
07:55	0.000	0.000	0.000	0.0	2.46
08:00	0.000	0.000	0.000	0.0	2.46
08:05	0.000	0.000	0.000	0.0	2.46
08:10	0.000	0.000	0.000	0.0	2.46
08:15	0.000	0.000	0.000	0.0	2.46
08:20	0.000	0.000	0.000	0.0	2.46
08:25	0.000	0.000	0.000	0.0	2.46
08:30	0.000	0.000	0.000	0.0	2.46
08:35	0.000	0.000	0.000	0.0	2.46
08:40	0.000	0.000	0.000	0.0	2.46
08:45	0.000	0.000	0.000	0.0	2.46
08:50	0.000	0.000	0.000	0.0	2.46
08:55	0.000	0.000	0.000	0.0	2.46
09:00	0.000	0.000	0.000	0.0	2.46
09:05	0.000	0.000	0.000	0.0	2.46
09:10	0.000	0.000	0.000	0.0	2.46
09:15	0.000	0.000	0.000	0.0	2.46
09:20	0.000	0.000	0.000	0.0	2.46
09:25	0.000	0.000	0.000	0.0	2.46
09:30	0.000	0.000	0.000	0.0	2.46
09:35	0.000	0.000	0.000	0.0	2.46
09:40	0.000	0.000	0.000	0.0	2.46
09:45	0.000	0.000	0.000	0.0	2.46
09:50	0.000	0.000	0.000	0.0	2.46
09:55	0.000	0.000	0.000	0.0	2.46
10:00	0.000	0.000	0.000	0.0	2.46
10:05	0.000	0.000	0.000	0.0	2.46
10:10	0.000	0.000	0.000	0.0	2.46
10:15	0.000	0.000	0.000	0.0	2.46
10:20	0.000	0.000	0.000	0.0	2.46
10:25	0.000	0.000	0.000	0.0	2.46
10:30	0.000	0.000	0.000	0.0	2.46
10:35	0.000	0.000	0.000	0.0	2.46

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.4	1.3	0.00	0.01
00:10	0.04	0.4	1.9	0.02	0.02
00:15	0.07	0.4	2.0	0.03	0.04
00:20	0.10	0.4	2.1	0.04	0.05
00:25	0.13	0.4	2.1	0.06	0.06
00:30	0.17	0.4	2.4	0.07	0.08
00:35	0.20	0.4	2.4	0.09	0.10
00:40	0.24	0.4	2.5	0.11	0.11
00:45	0.28	0.4	2.5	0.12	0.13
00:50	0.32	0.4	2.5	0.14	0.15
00:55	0.36	0.4	2.5	0.16	0.17
01:00	0.40	0.4	2.7	0.18	0.18
01:05	0.44	0.4	2.8	0.19	0.20
01:10	0.49	0.4	2.8	0.21	0.22
01:15	0.53	0.4	2.8	0.23	0.24
01:20	0.58	0.4	2.8	0.25	0.26
01:25	0.62	0.4	2.8	0.27	0.28
01:30	0.67	0.4	2.8	0.29	0.30
01:35	0.71	0.4	2.8	0.31	0.32
01:40	0.76	0.4	2.8	0.33	0.34
01:45	0.80	0.5	2.8	0.35	0.36
01:50	0.85	0.5	2.8	0.37	0.38
01:55	0.89	0.5	2.8	0.39	0.40
02:00	0.94	0.5	3.1	0.41	0.42
02:05	0.99	0.5	2.9	0.43	0.44
02:10	1.03	0.5	3.1	0.45	0.46
02:15	1.07	0.5	3.2	0.47	0.48
02:20	1.12	0.5	3.2	0.49	0.51
02:25	1.16	0.5	3.2	0.52	0.53
02:30	1.21	0.5	3.2	0.54	0.55
02:35	1.25	0.5	3.2	0.56	0.57
02:40	1.30	0.5	3.2	0.58	0.59
02:45	1.35	0.5	3.5	0.61	0.62
02:50	1.40	0.5	3.5	0.63	0.64
02:55	1.45	0.5	3.5	0.65	0.67
03:00	1.50	0.5	3.6	0.68	0.69
03:05	1.55	0.5	3.6	0.70	0.72
03:10	1.60	0.5	3.8	0.73	0.74
03:15	1.65	0.5	3.9	0.76	0.77
03:20	1.71	0.5	3.9	0.78	0.80
03:25	1.76	0.5	4.2	0.81	0.82
03:30	1.83	0.5	4.5	0.84	0.86
03:35	1.89	0.5	4.9	0.87	0.89
03:40	1.96	0.5	5.0	0.91	0.92
03:45	2.03	0.5	5.3	0.94	0.96
03:50	2.10	0.5	5.3	0.98	1.00
03:55	2.17	0.5	5.6	1.02	1.03
04:00	2.24	0.5	5.7	1.05	1.07
04:05	2.31	0.5	6.0	1.09	1.12
04:10	2.39	0.5	6.3	1.14	1.16
04:15	2.47	0.5	6.7	1.18	1.20
04:20	2.56	0.5	7.0	1.23	1.25
04:25	2.65	0.6	7.4	1.28	1.30
04:30	2.74	0.6	7.5	1.33	1.36
04:35	2.84	0.6	7.8	1.38	1.41
04:40	2.94	0.6	8.1	1.44	1.47
04:45	3.04	0.6	8.5	1.49	1.52
04:50	3.14	0.6	8.6	1.55	1.58
04:55	3.22	0.6	8.9	1.60	1.64
05:00	3.30	0.6	9.2	1.65	1.71
05:05	3.38	0.6	10.7	1.70	1.78
05:10	3.47	0.6	12.3	1.75	1.87
05:15	3.55	0.6	13.5	1.80	1.96
05:20	3.63	0.6	14.6	1.85	2.06
05:25	3.72	0.6	16.3	1.90	2.17

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.80	0.6	19.1	1.95	2.30
05:35	3.84	0.6	9.8	1.98	2.37
05:40	3.80	0.6	5.2	1.95	2.41
05:45	3.73	0.6	3.4	1.91	2.43
05:50	3.67	0.6	2.3	1.87	2.45
05:55	3.60	0.6	1.3	1.83	2.46
06:00	3.54	0.6	0.9	1.79	2.46
06:05	3.48	0.6	0.2	1.76	2.46
06:10	3.43	0.6	0.1	1.73	2.46
06:15	3.39	0.6	0.0	1.70	2.46
06:20	3.35	0.6	0.0	1.68	2.46
06:25	3.32	0.6	0.0	1.66	2.46
06:30	3.29	0.6	0.0	1.64	2.46
06:35	3.26	0.6	0.0	1.63	2.46
06:40	3.24	0.6	0.0	1.61	2.46
06:45	3.22	0.6	0.0	1.60	2.46
06:50	3.21	0.6	0.0	1.59	2.46
06:55	3.19	0.6	0.0	1.58	2.46
07:00	3.18	0.6	0.0	1.58	2.46
07:05	3.16	0.6	0.0	1.57	2.46
07:10	3.15	0.6	0.0	1.56	2.46
07:15	3.14	0.6	0.0	1.56	2.46
07:20	3.13	0.6	0.0	1.55	2.46
07:25	3.13	0.6	0.0	1.55	2.46
07:30	3.12	0.6	0.0	1.54	2.46
07:35	3.11	0.6	0.0	1.54	2.46
07:40	3.11	0.6	0.0	1.53	2.46
07:45	3.10	0.6	0.0	1.53	2.46
07:50	3.10	0.6	0.0	1.53	2.46
07:55	3.09	0.6	0.0	1.52	2.46
08:00	3.09	0.6	0.0	1.52	2.46
08:05	3.08	0.6	0.0	1.52	2.46
08:10	3.08	0.6	0.0	1.52	2.46
08:15	3.07	0.6	0.0	1.51	2.46
08:20	3.07	0.6	0.0	1.51	2.46
08:25	3.07	0.6	0.0	1.51	2.46
08:30	3.06	0.6	0.0	1.51	2.46
08:35	3.06	0.6	0.0	1.51	2.46
08:40	3.06	0.6	0.0	1.50	2.46
08:45	3.06	0.6	0.0	1.50	2.46
08:50	3.05	0.6	0.0	1.50	2.46
08:55	3.05	0.6	0.0	1.50	2.46
09:00	3.05	0.6	0.0	1.50	2.46
09:05	3.05	0.6	0.0	1.50	2.46
09:10	3.05	0.6	0.0	1.50	2.46
09:15	3.05	0.6	0.0	1.50	2.46
09:20	3.04	0.6	0.0	1.50	2.46
09:25	3.04	0.6	0.0	1.49	2.46
09:30	3.04	0.6	0.0	1.49	2.46
09:35	3.04	0.6	0.0	1.49	2.46
09:40	3.04	0.6	0.0	1.49	2.46
09:45	3.04	0.6	0.0	1.49	2.46
09:50	3.04	0.6	0.0	1.49	2.46
09:55	3.03	0.6	0.0	1.49	2.46
10:00	3.03	0.6	0.0	1.49	2.46
10:05	3.03	0.6	0.0	1.49	2.46
10:10	3.03	0.6	0.0	1.49	2.46
10:15	3.03	0.6	0.0	1.49	2.46
10:20	3.03	0.6	0.0	1.49	2.46
10:25	3.03	0.6	0.0	1.49	2.46
10:30	3.03	0.6	0.0	1.49	2.46
10:35	3.03	0.6	0.0	1.49	2.46

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	0.2	0.2	0.00
00:10	3.6	3.6	0.03
00:15	5.7	5.7	0.06
00:20	6.7	6.7	0.11
00:25	7.1	7.1	0.16
00:30	7.7	7.7	0.21
00:35	8.7	8.7	0.27
00:40	9.3	9.3	0.34
00:45	9.6	9.6	0.40
00:50	9.8	9.8	0.47
00:55	9.8	9.8	0.54
01:00	10.4	10.4	0.61
01:05	11.2	11.2	0.69
01:10	11.7	11.7	0.77
01:15	11.8	11.8	0.85
01:20	11.9	11.9	0.93
01:25	12.0	12.0	1.01
01:30	12.0	12.0	1.09
01:35	12.1	12.1	1.18
01:40	12.6	12.6	1.26
01:45	13.7	13.7	1.36
01:50	14.4	14.4	1.46
01:55	14.6	14.6	1.56
02:00	15.2	15.2	1.66
02:05	15.5	15.5	1.77
02:10	15.7	15.7	1.88
02:15	16.3	16.3	1.99
02:20	16.7	16.7	2.11
02:25	16.9	16.9	2.22
02:30	17.0	17.0	2.34
02:35	17.0	17.0	2.46
02:40	17.1	17.1	2.57
02:45	18.0	18.0	2.70
02:50	19.2	19.2	2.83
02:55	19.8	19.8	2.96
03:00	20.0	20.0	3.10
03:05	20.1	20.1	3.24
03:10	21.1	21.1	3.39
03:15	22.4	22.4	3.54
03:20	23.1	23.1	3.70
03:25	24.3	24.3	3.87
03:30	26.6	26.6	4.05
03:35	29.5	29.5	4.25
03:40	31.6	31.6	4.47
03:45	33.5	33.5	4.70
03:50	35.2	35.2	4.95
03:55	37.0	37.0	5.20
04:00	38.6	38.6	5.47
04:05	40.4	40.4	5.74
04:10	43.1	43.1	6.04
04:15	46.1	46.1	6.36
04:20	49.3	49.3	6.70
04:25	52.5	52.5	7.06
04:30	54.7	54.7	7.44
04:35	56.8	56.8	7.83
04:40	59.5	59.5	8.24
04:45	63.6	63.6	8.67
04:50	68.2	68.2	9.14
04:55	73.2	73.2	9.65
05:00	79.1	79.1	10.19
05:05	90.0	90.0	10.81
05:10	106.3	106.3	11.54
05:15	122.9	122.9	12.39
05:20	138.2	138.2	13.34
05:25	155.3	155.3	14.41

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	180.0	180.0	15.65
05:35	154.1	154.1	16.71
05:40	104.1	104.1	17.43
05:45	69.9	69.9	17.91
05:50	50.4	50.4	18.26
05:55	38.2	38.2	18.52
06:00	29.7	29.7	18.73
06:05	22.8	22.8	18.88
06:10	17.2	17.2	19.00
06:15	12.6	12.6	19.09
06:20	9.4	9.4	19.15
06:25	7.5	7.5	19.20
06:30	6.3	6.3	19.25
06:35	5.3	5.3	19.28
06:40	4.6	4.6	19.32
06:45	3.9	3.9	19.34
06:50	3.4	3.4	19.37
06:55	3.0	3.0	19.39
07:00	2.7	2.7	19.41
07:05	2.4	2.4	19.42
07:10	2.1	2.1	19.44
07:15	1.9	1.9	19.45
07:20	1.7	1.7	19.46
07:25	1.6	1.6	19.47
07:30	1.4	1.4	19.48
07:35	1.3	1.3	19.49
07:40	1.2	1.2	19.50
07:45	1.1	1.1	19.51
07:50	1.0	1.0	19.51
07:55	0.9	0.9	19.52
08:00	0.9	0.9	19.53
08:05	0.8	0.8	19.53
08:10	0.7	0.7	19.54
08:15	0.7	0.7	19.54
08:20	0.6	0.6	19.55
08:25	0.6	0.6	19.55
08:30	0.6	0.6	19.55
08:35	0.5	0.5	19.56
08:40	0.5	0.5	19.56
08:45	0.5	0.5	19.56
08:50	0.4	0.4	19.57
08:55	0.4	0.4	19.57
09:00	0.4	0.4	19.57
09:05	0.4	0.4	19.57
09:10	0.3	0.3	19.58
09:15	0.3	0.3	19.58
09:20	0.3	0.3	19.58
09:25	0.3	0.3	19.58
09:30	0.3	0.3	19.59
09:35	0.3	0.3	19.59
09:40	0.2	0.2	19.59
09:45	0.2	0.2	19.59
09:50	0.2	0.2	19.59
09:55	0.2	0.2	19.59
10:00	0.2	0.2	19.59
10:05	0.2	0.2	19.60
10:10	0.2	0.2	19.60
10:15	0.2	0.2	19.60
10:20	0.2	0.2	19.60
10:25	0.2	0.2	19.60
10:30	0.2	0.2	19.60
10:35	0.1	0.1	19.60

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	0.2	2.82	0.0	0.00
00:10	3.6	7.66	2.4	0.02
00:15	5.7	8.90	5.1	0.05
00:20	6.7	9.32	6.4	0.10
00:25	7.1	9.48	7.0	0.14
00:30	7.7	9.63	7.5	0.20
00:35	8.7	9.85	8.4	0.25
00:40	9.3	10.01	9.1	0.32
00:45	9.6	10.09	9.5	0.38
00:50	9.8	10.14	9.7	0.45
00:55	9.8	10.16	9.8	0.52
01:00	10.4	10.24	10.2	0.59
01:05	11.2	10.39	11.0	0.66
01:10	11.7	10.49	11.5	0.74
01:15	11.8	10.54	11.8	0.82
01:20	11.9	10.56	11.9	0.90
01:25	12.0	10.57	12.0	0.99
01:30	12.0	10.57	12.0	1.07
01:35	12.1	10.58	12.0	1.15
01:40	12.6	10.65	12.5	1.24
01:45	13.7	10.81	13.4	1.33
01:50	14.4	10.93	14.2	1.43
01:55	14.6	10.98	14.5	1.53
02:00	15.2	11.06	15.1	1.63
02:05	15.5	11.12	15.5	1.74
02:10	15.7	11.15	15.7	1.85
02:15	16.3	11.23	16.2	1.96
02:20	16.7	11.29	16.6	2.07
02:25	16.9	11.32	16.8	2.19
02:30	17.0	11.33	17.0	2.31
02:35	17.0	11.34	17.0	2.42
02:40	17.1	11.34	17.0	2.54
02:45	18.0	11.43	17.7	2.66
02:50	19.2	11.58	18.9	2.79
02:55	19.8	11.67	19.7	2.93
03:00	20.0	11.71	20.0	3.06
03:05	20.1	11.72	20.1	3.20
03:10	21.1	11.82	20.9	3.35
03:15	22.4	11.95	22.1	3.50
03:20	23.1	12.04	22.9	3.66
03:25	24.3	12.15	24.0	3.82
03:30	26.6	12.36	26.1	4.00
03:35	29.5	12.61	28.9	4.20
03:40	31.6	12.80	31.2	4.42
03:45	33.5	12.96	33.1	4.65
03:50	35.2	13.09	34.9	4.89
03:55	37.0	13.22	36.7	5.14
04:00	38.6	13.34	38.3	5.40
04:05	40.4	13.46	40.1	5.68
04:10	43.1	13.62	42.6	5.97
04:15	46.1	13.80	45.5	6.28
04:20	49.3	13.99	48.7	6.62
04:25	52.5	14.17	51.9	6.98
04:30	54.7	14.30	54.3	7.35
04:35	56.8	14.41	56.4	7.74
04:40	59.5	14.54	59.0	8.14
04:45	63.6	14.72	62.8	8.58
04:50	68.2	14.93	67.3	9.04
04:55	73.2	15.14	72.3	9.54
05:00	79.1	15.38	78.1	10.08
05:05	90.0	15.75	88.1	10.68
05:10	106.3	16.27	103.6	11.40
05:15	122.9	16.77	120.3	12.23
05:20	138.2	17.18	135.8	13.16
05:25	155.3	17.59	152.7	14.21

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	180.0	18.10	176.3	15.43
05:35	154.1	17.71	158.0	16.51
05:40	104.1	16.53	112.1	17.29
05:45	69.9	15.29	75.8	17.81
05:50	50.4	14.29	54.0	18.18
05:55	38.2	13.49	40.6	18.46
06:00	29.7	12.82	31.4	18.68
06:05	22.8	12.18	24.3	18.85
06:10	17.2	11.52	18.5	18.97
06:15	12.6	10.87	13.8	19.07
06:20	9.4	10.24	10.2	19.14
06:25	7.5	9.76	8.1	19.19
06:30	6.3	9.39	6.6	19.24
06:35	5.3	9.08	5.6	19.28
06:40	4.6	8.80	4.8	19.31
06:45	3.9	8.54	4.1	19.34
06:50	3.4	8.31	3.6	19.36
06:55	3.0	8.09	3.2	19.38
07:00	2.7	7.90	2.8	19.40
07:05	2.4	7.72	2.5	19.42
07:10	2.1	7.55	2.2	19.44
07:15	1.9	7.39	2.0	19.45
07:20	1.7	7.24	1.8	19.46
07:25	1.6	7.10	1.6	19.47
07:30	1.4	6.96	1.5	19.48
07:35	1.3	6.84	1.4	19.49
07:40	1.2	6.71	1.2	19.50
07:45	1.1	6.60	1.1	19.51
07:50	1.0	6.49	1.0	19.52
07:55	0.9	6.38	1.0	19.52
08:00	0.9	6.28	0.9	19.53
08:05	0.8	6.18	0.8	19.54
08:10	0.7	6.09	0.8	19.54
08:15	0.7	6.00	0.7	19.55
08:20	0.6	5.91	0.7	19.55
08:25	0.6	5.83	0.6	19.55
08:30	0.6	5.75	0.6	19.56
08:35	0.5	5.67	0.5	19.56
08:40	0.5	5.59	0.5	19.57
08:45	0.5	5.52	0.5	19.57
08:50	0.4	5.45	0.4	19.57
08:55	0.4	5.38	0.4	19.57
09:00	0.4	5.32	0.4	19.58
09:05	0.4	5.26	0.4	19.58
09:10	0.3	5.19	0.3	19.58
09:15	0.3	5.13	0.3	19.58
09:20	0.3	5.08	0.3	19.59
09:25	0.3	5.02	0.3	19.59
09:30	0.3	4.97	0.3	19.59
09:35	0.3	4.91	0.3	19.59
09:40	0.2	4.86	0.3	19.59
09:45	0.2	4.81	0.2	19.60
09:50	0.2	4.76	0.2	19.60
09:55	0.2	4.72	0.2	19.60
10:00	0.2	4.67	0.2	19.60
10:05	0.2	4.63	0.2	19.60
10:10	0.2	4.58	0.2	19.60
10:15	0.2	4.54	0.2	19.60
10:20	0.2	4.50	0.2	19.60
10:25	0.2	4.46	0.2	19.61
10:30	0.2	4.42	0.2	19.61
10:35	0.1	4.38	0.2	19.61

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.1	0.00
00:15	0.019	0.019	0.000	0.1	0.00
00:20	0.019	0.019	0.000	0.1	0.00
00:25	0.019	0.019	0.000	0.1	0.00
00:30	0.022	0.022	0.000	0.1	0.00
00:35	0.022	0.022	0.000	0.1	0.00
00:40	0.022	0.022	0.000	0.1	0.00
00:45	0.022	0.022	0.000	0.1	0.00
00:50	0.022	0.022	0.000	0.1	0.01
00:55	0.022	0.022	0.000	0.1	0.01
01:00	0.026	0.025	0.001	0.2	0.01
01:05	0.026	0.025	0.001	0.3	0.01
01:10	0.026	0.025	0.001	0.3	0.01
01:15	0.026	0.025	0.001	0.4	0.01
01:20	0.026	0.025	0.001	0.4	0.02
01:25	0.026	0.025	0.001	0.4	0.02
01:30	0.026	0.025	0.001	0.4	0.02
01:35	0.026	0.025	0.001	0.4	0.03
01:40	0.026	0.025	0.001	0.4	0.03
01:45	0.026	0.025	0.001	0.4	0.03
01:50	0.026	0.025	0.001	0.4	0.03
01:55	0.026	0.025	0.001	0.4	0.04
02:00	0.029	0.025	0.004	0.8	0.04
02:05	0.026	0.025	0.001	1.0	0.05
02:10	0.029	0.025	0.004	1.0	0.06
02:15	0.029	0.025	0.004	1.5	0.07
02:20	0.029	0.025	0.004	1.7	0.08
02:25	0.029	0.025	0.004	1.8	0.09
02:30	0.029	0.025	0.004	1.8	0.10
02:35	0.029	0.025	0.004	1.9	0.12
02:40	0.029	0.025	0.004	1.9	0.13
02:45	0.032	0.025	0.007	2.3	0.15
02:50	0.032	0.025	0.007	2.9	0.17
02:55	0.032	0.025	0.007	3.2	0.19
03:00	0.032	0.025	0.007	3.3	0.21
03:05	0.032	0.025	0.007	3.4	0.23
03:10	0.035	0.025	0.010	3.8	0.26
03:15	0.035	0.025	0.010	4.5	0.29
03:20	0.035	0.025	0.010	4.7	0.32
03:25	0.038	0.025	0.014	5.2	0.36
03:30	0.042	0.025	0.017	6.3	0.40
03:35	0.045	0.025	0.020	7.5	0.45
03:40	0.045	0.025	0.020	8.5	0.51
03:45	0.048	0.025	0.023	9.4	0.58
03:50	0.048	0.025	0.023	10.3	0.65
03:55	0.051	0.025	0.026	11.1	0.73
04:00	0.051	0.025	0.026	11.9	0.81
04:05	0.054	0.025	0.030	12.7	0.89
04:10	0.058	0.025	0.033	13.9	0.99
04:15	0.061	0.025	0.036	15.2	1.10
04:20	0.064	0.025	0.039	16.7	1.21
04:25	0.067	0.025	0.042	18.2	1.34
04:30	0.067	0.025	0.042	19.4	1.47
04:35	0.070	0.025	0.046	20.4	1.61
04:40	0.074	0.025	0.049	21.7	1.76
04:45	0.077	0.025	0.052	23.1	1.92
04:50	0.077	0.025	0.052	24.3	2.09
04:55	0.080	0.025	0.055	25.2	2.26
05:00	0.083	0.025	0.058	26.6	2.44
05:05	0.099	0.025	0.074	29.4	2.65
05:10	0.115	0.025	0.090	34.6	2.88
05:15	0.125	0.025	0.100	40.2	3.16
05:20	0.134	0.025	0.110	45.2	3.47
05:25	0.150	0.025	0.126	50.6	3.82

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.025	0.154	58.7	4.22
05:35	0.061	0.025	0.036	53.7	4.59
05:40	0.029	0.025	0.004	32.4	4.82
05:45	0.019	0.019	0.000	18.9	4.95
05:50	0.016	0.016	0.000	12.1	5.03
05:55	0.010	0.010	0.000	8.8	5.09
06:00	0.006	0.006	0.000	5.8	5.13
06:05	0.000	0.000	0.000	4.8	5.16
06:10	0.000	0.000	0.000	4.4	5.19
06:15	0.000	0.000	0.000	3.9	5.22
06:20	0.000	0.000	0.000	3.4	5.24
06:25	0.000	0.000	0.000	2.7	5.26
06:30	0.000	0.000	0.000	2.0	5.28
06:35	0.000	0.000	0.000	1.2	5.29
06:40	0.000	0.000	0.000	0.3	5.29
06:45	0.000	0.000	0.000	0.0	5.29
06:50	0.000	0.000	0.000	0.0	5.29
06:55	0.000	0.000	0.000	0.0	5.29
07:00	0.000	0.000	0.000	0.0	5.29
07:05	0.000	0.000	0.000	0.0	5.29
07:10	0.000	0.000	0.000	0.0	5.29
07:15	0.000	0.000	0.000	0.0	5.29
07:20	0.000	0.000	0.000	0.0	5.29
07:25	0.000	0.000	0.000	0.0	5.29
07:30	0.000	0.000	0.000	0.0	5.29
07:35	0.000	0.000	0.000	0.0	5.29
07:40	0.000	0.000	0.000	0.0	5.29
07:45	0.000	0.000	0.000	0.0	5.29
07:50	0.000	0.000	0.000	0.0	5.29
07:55	0.000	0.000	0.000	0.0	5.29
08:00	0.000	0.000	0.000	0.0	5.29
08:05	0.000	0.000	0.000	0.0	5.29
08:10	0.000	0.000	0.000	0.0	5.29
08:15	0.000	0.000	0.000	0.0	5.29
08:20	0.000	0.000	0.000	0.0	5.29
08:25	0.000	0.000	0.000	0.0	5.29
08:30	0.000	0.000	0.000	0.0	5.29
08:35	0.000	0.000	0.000	0.0	5.29
08:40	0.000	0.000	0.000	0.0	5.29
08:45	0.000	0.000	0.000	0.0	5.29
08:50	0.000	0.000	0.000	0.0	5.29
08:55	0.000	0.000	0.000	0.0	5.29
09:00	0.000	0.000	0.000	0.0	5.29
09:05	0.000	0.000	0.000	0.0	5.29
09:10	0.000	0.000	0.000	0.0	5.29
09:15	0.000	0.000	0.000	0.0	5.29
09:20	0.000	0.000	0.000	0.0	5.29
09:25	0.000	0.000	0.000	0.0	5.29
09:30	0.000	0.000	0.000	0.0	5.29
09:35	0.000	0.000	0.000	0.0	5.29
09:40	0.000	0.000	0.000	0.0	5.29
09:45	0.000	0.000	0.000	0.0	5.29
09:50	0.000	0.000	0.000	0.0	5.29
09:55	0.000	0.000	0.000	0.0	5.29
10:00	0.000	0.000	0.000	0.0	5.29
10:05	0.000	0.000	0.000	0.0	5.29
10:10	0.000	0.000	0.000	0.0	5.29
10:15	0.000	0.000	0.000	0.0	5.29
10:20	0.000	0.000	0.000	0.0	5.29
10:25	0.000	0.000	0.000	0.0	5.29
10:30	0.000	0.000	0.000	0.0	5.29
10:35	0.000	0.000	0.000	0.0	5.29

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.014	0.002	0.5	0.00
00:10	0.019	0.016	0.003	0.8	0.01
00:15	0.019	0.016	0.003	0.8	0.01
00:20	0.019	0.016	0.003	0.9	0.02
00:25	0.019	0.016	0.003	0.9	0.03
00:30	0.022	0.019	0.003	1.0	0.03
00:35	0.022	0.019	0.003	1.0	0.04
00:40	0.022	0.019	0.003	1.0	0.05
00:45	0.022	0.019	0.003	1.0	0.05
00:50	0.022	0.019	0.003	1.1	0.06
00:55	0.022	0.019	0.003	1.1	0.07
01:00	0.026	0.022	0.004	1.2	0.08
01:05	0.026	0.022	0.004	1.2	0.09
01:10	0.026	0.022	0.004	1.2	0.09
01:15	0.026	0.022	0.004	1.2	0.10
01:20	0.026	0.022	0.004	1.2	0.11
01:25	0.026	0.022	0.004	1.2	0.12
01:30	0.026	0.022	0.004	1.2	0.13
01:35	0.026	0.022	0.004	1.2	0.14
01:40	0.026	0.022	0.004	1.2	0.14
01:45	0.026	0.022	0.004	1.2	0.15
01:50	0.026	0.022	0.004	1.2	0.16
01:55	0.026	0.022	0.004	1.2	0.17
02:00	0.029	0.022	0.007	1.8	0.18
02:05	0.026	0.022	0.004	1.4	0.19
02:10	0.029	0.022	0.007	1.9	0.20
02:15	0.029	0.022	0.007	2.1	0.22
02:20	0.029	0.022	0.007	2.1	0.23
02:25	0.029	0.022	0.007	2.1	0.25
02:30	0.029	0.022	0.007	2.1	0.26
02:35	0.029	0.022	0.007	2.2	0.28
02:40	0.029	0.022	0.007	2.2	0.29
02:45	0.032	0.022	0.010	2.8	0.31
02:50	0.032	0.022	0.010	3.0	0.33
02:55	0.032	0.022	0.010	3.1	0.35
03:00	0.032	0.022	0.010	3.1	0.37
03:05	0.032	0.022	0.010	3.1	0.40
03:10	0.035	0.022	0.013	3.8	0.42
03:15	0.035	0.022	0.013	4.0	0.45
03:20	0.035	0.022	0.013	4.1	0.48
03:25	0.038	0.022	0.016	4.8	0.51
03:30	0.042	0.022	0.020	5.7	0.55
03:35	0.045	0.022	0.023	6.6	0.60
03:40	0.045	0.022	0.023	6.9	0.64
03:45	0.048	0.022	0.026	7.7	0.70
03:50	0.048	0.022	0.026	8.0	0.75
03:55	0.051	0.022	0.029	8.8	0.81
04:00	0.051	0.022	0.029	9.0	0.87
04:05	0.054	0.022	0.032	9.8	0.94
04:10	0.058	0.022	0.036	10.7	1.02
04:15	0.061	0.022	0.039	11.7	1.10
04:20	0.064	0.022	0.042	12.6	1.18
04:25	0.067	0.022	0.045	13.6	1.28
04:30	0.067	0.022	0.045	13.9	1.37
04:35	0.070	0.022	0.048	14.8	1.47
04:40	0.074	0.022	0.052	15.7	1.58
04:45	0.077	0.022	0.055	16.7	1.70
04:50	0.077	0.022	0.055	17.0	1.81
04:55	0.080	0.022	0.058	17.8	1.94
05:00	0.083	0.022	0.061	18.7	2.07
05:05	0.099	0.022	0.077	22.4	2.22
05:10	0.115	0.022	0.093	26.9	2.40
05:15	0.125	0.022	0.103	30.2	2.61
05:20	0.134	0.022	0.112	33.3	2.84
05:25	0.150	0.022	0.128	37.8	3.10

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.022	0.157	45.3	3.41
05:35	0.061	0.022	0.039	22.5	3.57
05:40	0.029	0.022	0.007	9.6	3.64
05:45	0.019	0.016	0.003	5.1	3.67
05:50	0.016	0.014	0.002	3.4	3.69
05:55	0.010	0.008	0.001	1.7	3.71
06:00	0.006	0.005	0.001	0.6	3.71
06:05	0.000	0.000	0.000	0.2	3.71
06:10	0.000	0.000	0.000	0.1	3.71
06:15	0.000	0.000	0.000	0.0	3.71
06:20	0.000	0.000	0.000	0.0	3.71
06:25	0.000	0.000	0.000	0.0	3.71
06:30	0.000	0.000	0.000	0.0	3.71
06:35	0.000	0.000	0.000	0.0	3.71
06:40	0.000	0.000	0.000	0.0	3.71
06:45	0.000	0.000	0.000	0.0	3.71
06:50	0.000	0.000	0.000	0.0	3.71
06:55	0.000	0.000	0.000	0.0	3.71
07:00	0.000	0.000	0.000	0.0	3.71
07:05	0.000	0.000	0.000	0.0	3.71
07:10	0.000	0.000	0.000	0.0	3.71
07:15	0.000	0.000	0.000	0.0	3.71
07:20	0.000	0.000	0.000	0.0	3.71
07:25	0.000	0.000	0.000	0.0	3.71
07:30	0.000	0.000	0.000	0.0	3.71
07:35	0.000	0.000	0.000	0.0	3.71
07:40	0.000	0.000	0.000	0.0	3.71
07:45	0.000	0.000	0.000	0.0	3.71
07:50	0.000	0.000	0.000	0.0	3.71
07:55	0.000	0.000	0.000	0.0	3.71
08:00	0.000	0.000	0.000	0.0	3.71
08:05	0.000	0.000	0.000	0.0	3.71
08:10	0.000	0.000	0.000	0.0	3.71
08:15	0.000	0.000	0.000	0.0	3.71
08:20	0.000	0.000	0.000	0.0	3.71
08:25	0.000	0.000	0.000	0.0	3.71
08:30	0.000	0.000	0.000	0.0	3.71
08:35	0.000	0.000	0.000	0.0	3.71
08:40	0.000	0.000	0.000	0.0	3.71
08:45	0.000	0.000	0.000	0.0	3.71
08:50	0.000	0.000	0.000	0.0	3.71
08:55	0.000	0.000	0.000	0.0	3.71
09:00	0.000	0.000	0.000	0.0	3.71
09:05	0.000	0.000	0.000	0.0	3.71
09:10	0.000	0.000	0.000	0.0	3.71
09:15	0.000	0.000	0.000	0.0	3.71
09:20	0.000	0.000	0.000	0.0	3.71
09:25	0.000	0.000	0.000	0.0	3.71
09:30	0.000	0.000	0.000	0.0	3.71
09:35	0.000	0.000	0.000	0.0	3.71
09:40	0.000	0.000	0.000	0.0	3.71
09:45	0.000	0.000	0.000	0.0	3.71
09:50	0.000	0.000	0.000	0.0	3.71
09:55	0.000	0.000	0.000	0.0	3.71
10:00	0.000	0.000	0.000	0.0	3.71
10:05	0.000	0.000	0.000	0.0	3.71
10:10	0.000	0.000	0.000	0.0	3.71
10:15	0.000	0.000	0.000	0.0	3.71
10:20	0.000	0.000	0.000	0.0	3.71
10:25	0.000	0.000	0.000	0.0	3.71
10:30	0.000	0.000	0.000	0.0	3.71
10:35	0.000	0.000	0.000	0.0	3.71

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.8	0.5	0.00	0.00
00:10	0.01	0.8	0.8	0.01	0.01
00:15	0.01	0.8	0.8	0.01	0.01
00:20	0.02	0.8	0.9	0.02	0.02
00:25	0.03	0.8	0.9	0.02	0.03
00:30	0.04	0.8	1.0	0.03	0.03
00:35	0.05	0.8	1.0	0.04	0.04
00:40	0.06	0.8	1.0	0.04	0.05
00:45	0.07	0.8	1.0	0.05	0.05
00:50	0.07	0.8	1.1	0.06	0.06
00:55	0.08	0.8	1.1	0.07	0.07
01:00	0.09	0.8	1.2	0.07	0.08
01:05	0.10	0.8	1.2	0.08	0.09
01:10	0.11	0.8	1.2	0.09	0.09
01:15	0.12	0.8	1.2	0.10	0.10
01:20	0.14	0.8	1.2	0.11	0.11
01:25	0.15	0.8	1.2	0.11	0.12
01:30	0.16	0.8	1.2	0.12	0.13
01:35	0.17	0.8	1.2	0.13	0.14
01:40	0.18	0.8	1.2	0.14	0.14
01:45	0.19	0.8	1.2	0.15	0.15
01:50	0.20	0.8	1.2	0.16	0.16
01:55	0.21	0.8	1.2	0.16	0.17
02:00	0.22	0.8	1.8	0.17	0.18
02:05	0.24	0.8	1.4	0.19	0.19
02:10	0.25	0.8	1.9	0.20	0.20
02:15	0.27	0.8	2.1	0.21	0.22
02:20	0.29	0.8	2.1	0.23	0.23
02:25	0.31	0.8	2.1	0.24	0.25
02:30	0.32	0.8	2.1	0.25	0.26
02:35	0.34	0.8	2.2	0.27	0.28
02:40	0.36	0.8	2.2	0.28	0.29
02:45	0.38	0.8	2.8	0.30	0.31
02:50	0.41	0.8	3.0	0.32	0.33
02:55	0.44	0.8	3.1	0.34	0.35
03:00	0.46	0.8	3.1	0.36	0.37
03:05	0.49	0.8	3.1	0.39	0.40
03:10	0.52	0.8	3.8	0.41	0.42
03:15	0.56	0.8	4.0	0.44	0.45
03:20	0.59	0.8	4.1	0.46	0.48
03:25	0.63	0.8	4.8	0.49	0.51
03:30	0.68	0.8	5.7	0.53	0.55
03:35	0.73	0.8	6.6	0.57	0.60
03:40	0.79	0.8	6.9	0.62	0.64
03:45	0.86	0.8	7.7	0.67	0.70
03:50	0.92	0.8	8.0	0.72	0.75
03:55	1.00	0.8	8.8	0.78	0.81
04:00	1.07	0.8	9.0	0.84	0.87
04:05	1.15	0.8	9.8	0.91	0.94
04:10	1.23	0.8	10.7	0.98	1.02
04:15	1.32	0.8	11.7	1.06	1.10
04:20	1.42	0.8	12.6	1.14	1.18
04:25	1.52	0.9	13.6	1.23	1.28
04:30	1.63	0.9	13.9	1.32	1.37
04:35	1.75	0.9	14.8	1.42	1.47
04:40	1.87	0.9	15.7	1.53	1.58
04:45	2.00	0.9	16.7	1.64	1.70
04:50	2.13	0.9	17.0	1.76	1.81
04:55	2.26	0.9	17.8	1.88	1.94
05:00	2.39	0.9	18.7	2.00	2.07
05:05	2.55	0.9	22.4	2.14	2.22
05:10	2.73	0.9	26.9	2.31	2.40
05:15	2.94	1.0	30.2	2.51	2.61
05:20	3.16	1.0	33.3	2.72	2.84
05:25	3.37	1.0	37.8	2.94	3.10

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.58	1.0	45.3	3.15	3.41
05:35	3.70	1.0	22.5	3.26	3.57
05:40	3.68	1.0	9.6	3.24	3.64
05:45	3.61	1.0	5.1	3.18	3.67
05:50	3.54	1.0	3.4	3.11	3.69
05:55	3.48	1.0	1.7	3.04	3.71
06:00	3.42	1.0	0.6	2.98	3.71
06:05	3.36	1.0	0.2	2.93	3.71
06:10	3.32	1.0	0.1	2.88	3.71
06:15	3.28	1.0	0.0	2.85	3.71
06:20	3.25	1.0	0.0	2.82	3.71
06:25	3.23	1.0	0.0	2.79	3.71
06:30	3.20	1.0	0.0	2.77	3.71
06:35	3.18	1.0	0.0	2.75	3.71
06:40	3.17	1.0	0.0	2.73	3.71
06:45	3.15	1.0	0.0	2.72	3.71
06:50	3.14	1.0	0.0	2.70	3.71
06:55	3.13	1.0	0.0	2.69	3.71
07:00	3.12	1.0	0.0	2.68	3.71
07:05	3.11	1.0	0.0	2.67	3.71
07:10	3.10	1.0	0.0	2.67	3.71
07:15	3.10	1.0	0.0	2.66	3.71
07:20	3.09	1.0	0.0	2.65	3.71
07:25	3.08	1.0	0.0	2.65	3.71
07:30	3.08	1.0	0.0	2.64	3.71
07:35	3.07	1.0	0.0	2.64	3.71
07:40	3.07	1.0	0.0	2.63	3.71
07:45	3.06	1.0	0.0	2.63	3.71
07:50	3.06	1.0	0.0	2.62	3.71
07:55	3.06	1.0	0.0	2.62	3.71
08:00	3.06	1.0	0.0	2.62	3.71
08:05	3.05	1.0	0.0	2.62	3.71
08:10	3.05	1.0	0.0	2.61	3.71
08:15	3.05	1.0	0.0	2.61	3.71
08:20	3.04	1.0	0.0	2.61	3.71
08:25	3.04	1.0	0.0	2.61	3.71
08:30	3.04	1.0	0.0	2.60	3.71
08:35	3.04	1.0	0.0	2.60	3.71
08:40	3.04	1.0	0.0	2.60	3.71
08:45	3.04	1.0	0.0	2.60	3.71
08:50	3.03	1.0	0.0	2.60	3.71
08:55	3.03	1.0	0.0	2.60	3.71
09:00	3.03	1.0	0.0	2.60	3.71
09:05	3.03	1.0	0.0	2.59	3.71
09:10	3.03	1.0	0.0	2.59	3.71
09:15	3.03	1.0	0.0	2.59	3.71
09:20	3.03	1.0	0.0	2.59	3.71
09:25	3.03	1.0	0.0	2.59	3.71
09:30	3.03	1.0	0.0	2.59	3.71
09:35	3.02	1.0	0.0	2.59	3.71
09:40	3.02	1.0	0.0	2.59	3.71
09:45	3.02	1.0	0.0	2.59	3.71
09:50	3.02	1.0	0.0	2.59	3.71
09:55	3.02	1.0	0.0	2.58	3.71
10:00	3.02	1.0	0.0	2.58	3.71
10:05	3.02	1.0	0.0	2.58	3.71
10:10	3.02	1.0	0.0	2.58	3.71
10:15	3.02	1.0	0.0	2.58	3.71
10:20	3.02	1.0	0.0	2.58	3.71
10:25	3.02	1.0	0.0	2.58	3.71
10:30	3.02	1.0	0.0	2.58	3.71
10:35	3.02	1.0	0.0	2.58	3.71

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	0.4	0.00
02:50	0.032	0.029	0.003	0.6	0.01
02:55	0.032	0.029	0.003	0.6	0.01
03:00	0.032	0.029	0.003	0.6	0.02
03:05	0.032	0.029	0.003	0.7	0.02
03:10	0.035	0.029	0.006	1.1	0.03
03:15	0.035	0.029	0.006	1.3	0.04
03:20	0.035	0.029	0.006	1.4	0.05
03:25	0.038	0.029	0.009	1.9	0.06
03:30	0.042	0.029	0.012	2.5	0.08
03:35	0.045	0.029	0.016	3.2	0.10
03:40	0.045	0.029	0.016	3.5	0.12
03:45	0.048	0.029	0.019	4.1	0.15
03:50	0.048	0.029	0.019	4.4	0.18
03:55	0.051	0.029	0.022	4.9	0.21
04:00	0.051	0.029	0.022	5.2	0.25
04:05	0.054	0.029	0.025	5.7	0.29
04:10	0.058	0.029	0.028	6.4	0.33
04:15	0.061	0.029	0.032	7.2	0.38
04:20	0.064	0.029	0.035	7.9	0.44
04:25	0.067	0.029	0.038	8.7	0.50
04:30	0.067	0.029	0.038	9.0	0.56
04:35	0.070	0.029	0.041	9.6	0.63
04:40	0.074	0.029	0.044	10.3	0.70
04:45	0.077	0.029	0.048	11.1	0.77
04:50	0.077	0.029	0.048	11.4	0.85
04:55	0.080	0.029	0.051	12.0	0.93
05:00	0.083	0.029	0.054	12.7	1.02
05:05	0.099	0.029	0.070	15.2	1.13
05:10	0.115	0.029	0.086	18.5	1.25
05:15	0.125	0.029	0.096	21.2	1.40
05:20	0.134	0.029	0.105	23.6	1.56
05:25	0.150	0.029	0.121	26.8	1.75

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	32.2	1.97
05:35	0.061	0.029	0.032	18.9	2.10
05:40	0.029	0.029	0.000	8.1	2.15
05:45	0.019	0.019	0.000	4.0	2.18
05:50	0.016	0.016	0.000	2.7	2.20
05:55	0.010	0.010	0.000	2.0	2.21
06:00	0.006	0.006	0.000	1.3	2.22
06:05	0.000	0.000	0.000	0.5	2.23
06:10	0.000	0.000	0.000	0.1	2.23
06:15	0.000	0.000	0.000	0.0	2.23
06:20	0.000	0.000	0.000	0.0	2.23
06:25	0.000	0.000	0.000	0.0	2.23
06:30	0.000	0.000	0.000	0.0	2.23
06:35	0.000	0.000	0.000	0.0	2.23
06:40	0.000	0.000	0.000	0.0	2.23
06:45	0.000	0.000	0.000	0.0	2.23
06:50	0.000	0.000	0.000	0.0	2.23
06:55	0.000	0.000	0.000	0.0	2.23
07:00	0.000	0.000	0.000	0.0	2.23
07:05	0.000	0.000	0.000	0.0	2.23
07:10	0.000	0.000	0.000	0.0	2.23
07:15	0.000	0.000	0.000	0.0	2.23
07:20	0.000	0.000	0.000	0.0	2.23
07:25	0.000	0.000	0.000	0.0	2.23
07:30	0.000	0.000	0.000	0.0	2.23
07:35	0.000	0.000	0.000	0.0	2.23
07:40	0.000	0.000	0.000	0.0	2.23
07:45	0.000	0.000	0.000	0.0	2.23
07:50	0.000	0.000	0.000	0.0	2.23
07:55	0.000	0.000	0.000	0.0	2.23
08:00	0.000	0.000	0.000	0.0	2.23
08:05	0.000	0.000	0.000	0.0	2.23
08:10	0.000	0.000	0.000	0.0	2.23
08:15	0.000	0.000	0.000	0.0	2.23
08:20	0.000	0.000	0.000	0.0	2.23
08:25	0.000	0.000	0.000	0.0	2.23
08:30	0.000	0.000	0.000	0.0	2.23
08:35	0.000	0.000	0.000	0.0	2.23
08:40	0.000	0.000	0.000	0.0	2.23
08:45	0.000	0.000	0.000	0.0	2.23
08:50	0.000	0.000	0.000	0.0	2.23
08:55	0.000	0.000	0.000	0.0	2.23
09:00	0.000	0.000	0.000	0.0	2.23
09:05	0.000	0.000	0.000	0.0	2.23
09:10	0.000	0.000	0.000	0.0	2.23
09:15	0.000	0.000	0.000	0.0	2.23
09:20	0.000	0.000	0.000	0.0	2.23
09:25	0.000	0.000	0.000	0.0	2.23
09:30	0.000	0.000	0.000	0.0	2.23
09:35	0.000	0.000	0.000	0.0	2.23
09:40	0.000	0.000	0.000	0.0	2.23
09:45	0.000	0.000	0.000	0.0	2.23
09:50	0.000	0.000	0.000	0.0	2.23
09:55	0.000	0.000	0.000	0.0	2.23
10:00	0.000	0.000	0.000	0.0	2.23
10:05	0.000	0.000	0.000	0.0	2.23
10:10	0.000	0.000	0.000	0.0	2.23
10:15	0.000	0.000	0.000	0.0	2.23
10:20	0.000	0.000	0.000	0.0	2.23
10:25	0.000	0.000	0.000	0.0	2.23
10:30	0.000	0.000	0.000	0.0	2.23
10:35	0.000	0.000	0.000	0.0	2.23

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.023	0.002	0.1	0.00
01:05	0.026	0.023	0.002	0.1	0.00
01:10	0.026	0.023	0.002	0.1	0.00
01:15	0.026	0.023	0.002	0.2	0.00
01:20	0.026	0.023	0.002	0.2	0.00
01:25	0.026	0.023	0.002	0.2	0.01
01:30	0.026	0.023	0.002	0.2	0.01
01:35	0.026	0.023	0.002	0.2	0.01
01:40	0.026	0.023	0.002	0.2	0.01
01:45	0.026	0.023	0.002	0.2	0.01
01:50	0.026	0.023	0.002	0.2	0.01
01:55	0.026	0.023	0.002	0.2	0.01
02:00	0.029	0.023	0.005	0.3	0.01
02:05	0.026	0.023	0.002	0.3	0.02
02:10	0.029	0.023	0.005	0.3	0.02
02:15	0.029	0.023	0.005	0.4	0.02
02:20	0.029	0.023	0.005	0.4	0.02
02:25	0.029	0.023	0.005	0.4	0.03
02:30	0.029	0.023	0.005	0.4	0.03
02:35	0.029	0.023	0.005	0.4	0.03
02:40	0.029	0.023	0.005	0.4	0.03
02:45	0.032	0.023	0.009	0.5	0.04
02:50	0.032	0.023	0.009	0.6	0.04
02:55	0.032	0.023	0.009	0.6	0.05
03:00	0.032	0.023	0.009	0.6	0.05
03:05	0.032	0.023	0.009	0.6	0.06
03:10	0.035	0.023	0.012	0.7	0.06
03:15	0.035	0.023	0.012	0.8	0.07
03:20	0.035	0.023	0.012	0.9	0.07
03:25	0.038	0.023	0.015	1.0	0.08
03:30	0.042	0.023	0.018	1.2	0.09
03:35	0.045	0.023	0.021	1.4	0.10
03:40	0.045	0.023	0.021	1.5	0.11
03:45	0.048	0.023	0.025	1.6	0.12
03:50	0.048	0.023	0.025	1.7	0.13
03:55	0.051	0.023	0.028	1.9	0.14
04:00	0.051	0.023	0.028	2.0	0.16
04:05	0.054	0.023	0.031	2.1	0.17
04:10	0.058	0.023	0.034	2.3	0.19
04:15	0.061	0.023	0.037	2.6	0.20
04:20	0.064	0.023	0.041	2.8	0.22
04:25	0.067	0.023	0.044	3.0	0.24
04:30	0.067	0.023	0.044	3.2	0.27
04:35	0.070	0.023	0.047	3.3	0.29
04:40	0.074	0.023	0.050	3.5	0.31
04:45	0.077	0.023	0.053	3.8	0.34
04:50	0.077	0.023	0.053	3.9	0.37
04:55	0.080	0.023	0.057	4.1	0.39
05:00	0.083	0.023	0.060	4.3	0.42
05:05	0.099	0.023	0.076	4.9	0.46
05:10	0.115	0.023	0.092	5.8	0.50
05:15	0.125	0.023	0.101	6.7	0.54
05:20	0.134	0.023	0.111	7.4	0.59
05:25	0.150	0.023	0.127	8.4	0.65

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.023	0.156	9.8	0.72
05:35	0.061	0.023	0.037	7.1	0.77
05:40	0.029	0.023	0.005	3.6	0.79
05:45	0.019	0.019	0.000	2.0	0.81
05:50	0.016	0.016	0.000	1.1	0.81
05:55	0.010	0.010	0.000	0.8	0.82
06:00	0.006	0.006	0.000	0.7	0.82
06:05	0.000	0.000	0.000	0.5	0.83
06:10	0.000	0.000	0.000	0.3	0.83
06:15	0.000	0.000	0.000	0.1	0.83
06:20	0.000	0.000	0.000	0.0	0.83
06:25	0.000	0.000	0.000	0.0	0.83
06:30	0.000	0.000	0.000	0.0	0.83
06:35	0.000	0.000	0.000	0.0	0.83
06:40	0.000	0.000	0.000	0.0	0.83
06:45	0.000	0.000	0.000	0.0	0.83
06:50	0.000	0.000	0.000	0.0	0.83
06:55	0.000	0.000	0.000	0.0	0.83
07:00	0.000	0.000	0.000	0.0	0.83
07:05	0.000	0.000	0.000	0.0	0.83
07:10	0.000	0.000	0.000	0.0	0.83
07:15	0.000	0.000	0.000	0.0	0.83
07:20	0.000	0.000	0.000	0.0	0.83
07:25	0.000	0.000	0.000	0.0	0.83
07:30	0.000	0.000	0.000	0.0	0.83
07:35	0.000	0.000	0.000	0.0	0.83
07:40	0.000	0.000	0.000	0.0	0.83
07:45	0.000	0.000	0.000	0.0	0.83
07:50	0.000	0.000	0.000	0.0	0.83
07:55	0.000	0.000	0.000	0.0	0.83
08:00	0.000	0.000	0.000	0.0	0.83
08:05	0.000	0.000	0.000	0.0	0.83
08:10	0.000	0.000	0.000	0.0	0.83
08:15	0.000	0.000	0.000	0.0	0.83
08:20	0.000	0.000	0.000	0.0	0.83
08:25	0.000	0.000	0.000	0.0	0.83
08:30	0.000	0.000	0.000	0.0	0.83
08:35	0.000	0.000	0.000	0.0	0.83
08:40	0.000	0.000	0.000	0.0	0.83
08:45	0.000	0.000	0.000	0.0	0.83
08:50	0.000	0.000	0.000	0.0	0.83
08:55	0.000	0.000	0.000	0.0	0.83
09:00	0.000	0.000	0.000	0.0	0.83
09:05	0.000	0.000	0.000	0.0	0.83
09:10	0.000	0.000	0.000	0.0	0.83
09:15	0.000	0.000	0.000	0.0	0.83
09:20	0.000	0.000	0.000	0.0	0.83
09:25	0.000	0.000	0.000	0.0	0.83
09:30	0.000	0.000	0.000	0.0	0.83
09:35	0.000	0.000	0.000	0.0	0.83
09:40	0.000	0.000	0.000	0.0	0.83
09:45	0.000	0.000	0.000	0.0	0.83
09:50	0.000	0.000	0.000	0.0	0.83
09:55	0.000	0.000	0.000	0.0	0.83
10:00	0.000	0.000	0.000	0.0	0.83
10:05	0.000	0.000	0.000	0.0	0.83
10:10	0.000	0.000	0.000	0.0	0.83
10:15	0.000	0.000	0.000	0.0	0.83
10:20	0.000	0.000	0.000	0.0	0.83
10:25	0.000	0.000	0.000	0.0	0.83
10:30	0.000	0.000	0.000	0.0	0.83
10:35	0.000	0.000	0.000	0.0	0.83

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.5	0.00
00:10	0.019	0.002	0.017	0.8	0.01
00:15	0.019	0.002	0.017	1.0	0.02
00:20	0.019	0.002	0.017	1.1	0.02
00:25	0.019	0.002	0.017	1.1	0.03
00:30	0.022	0.002	0.020	1.2	0.04
00:35	0.022	0.002	0.020	1.3	0.05
00:40	0.022	0.002	0.020	1.4	0.06
00:45	0.022	0.002	0.020	1.4	0.07
00:50	0.022	0.002	0.020	1.4	0.08
00:55	0.022	0.002	0.020	1.4	0.09
01:00	0.026	0.002	0.023	1.5	0.10
01:05	0.026	0.002	0.023	1.6	0.11
01:10	0.026	0.002	0.023	1.6	0.12
01:15	0.026	0.002	0.023	1.6	0.13
01:20	0.026	0.002	0.023	1.6	0.14
01:25	0.026	0.002	0.023	1.6	0.15
01:30	0.026	0.002	0.023	1.6	0.16
01:35	0.026	0.002	0.023	1.6	0.17
01:40	0.026	0.002	0.023	1.6	0.18
01:45	0.026	0.002	0.023	1.6	0.20
01:50	0.026	0.002	0.023	1.6	0.21
01:55	0.026	0.002	0.023	1.6	0.22
02:00	0.029	0.002	0.026	1.7	0.23
02:05	0.026	0.002	0.023	1.7	0.24
02:10	0.029	0.002	0.026	1.8	0.25
02:15	0.029	0.002	0.026	1.8	0.27
02:20	0.029	0.002	0.026	1.8	0.28
02:25	0.029	0.002	0.026	1.8	0.29
02:30	0.029	0.002	0.026	1.8	0.30
02:35	0.029	0.002	0.026	1.8	0.32
02:40	0.029	0.002	0.026	1.8	0.33
02:45	0.032	0.002	0.030	2.0	0.34
02:50	0.032	0.002	0.030	2.0	0.36
02:55	0.032	0.002	0.030	2.0	0.37
03:00	0.032	0.002	0.030	2.0	0.38
03:05	0.032	0.002	0.030	2.0	0.40
03:10	0.035	0.002	0.033	2.2	0.41
03:15	0.035	0.002	0.033	2.2	0.43
03:20	0.035	0.002	0.033	2.3	0.44
03:25	0.038	0.002	0.036	2.4	0.46
03:30	0.042	0.002	0.039	2.6	0.48
03:35	0.045	0.002	0.042	2.8	0.50
03:40	0.045	0.002	0.042	2.9	0.52
03:45	0.048	0.002	0.046	3.0	0.54
03:50	0.048	0.002	0.046	3.1	0.56
03:55	0.051	0.002	0.049	3.2	0.58
04:00	0.051	0.002	0.049	3.3	0.60
04:05	0.054	0.002	0.052	3.5	0.63
04:10	0.058	0.002	0.055	3.7	0.65
04:15	0.061	0.002	0.058	3.9	0.68
04:20	0.064	0.002	0.062	4.1	0.71
04:25	0.067	0.002	0.065	4.3	0.74
04:30	0.067	0.002	0.065	4.4	0.77
04:35	0.070	0.002	0.068	4.6	0.80
04:40	0.074	0.002	0.071	4.8	0.83
04:45	0.077	0.002	0.074	5.0	0.87
04:50	0.077	0.002	0.074	5.1	0.90
04:55	0.080	0.002	0.078	5.2	0.94
05:00	0.083	0.002	0.081	5.4	0.97
05:05	0.099	0.002	0.097	6.1	1.02
05:10	0.115	0.002	0.113	7.0	1.06
05:15	0.125	0.002	0.122	7.8	1.12
05:20	0.134	0.002	0.132	8.5	1.18
05:25	0.150	0.002	0.148	9.3	1.24

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	10.8	1.31
05:35	0.061	0.002	0.058	7.4	1.37
05:40	0.029	0.002	0.026	4.4	1.40
05:45	0.019	0.002	0.017	2.8	1.41
05:50	0.016	0.002	0.014	2.0	1.43
05:55	0.010	0.002	0.007	1.5	1.44
06:00	0.006	0.002	0.004	1.0	1.45
06:05	0.000	0.000	0.000	0.6	1.45
06:10	0.000	0.000	0.000	0.2	1.45
06:15	0.000	0.000	0.000	0.1	1.45
06:20	0.000	0.000	0.000	0.1	1.45
06:25	0.000	0.000	0.000	0.0	1.45
06:30	0.000	0.000	0.000	0.0	1.45
06:35	0.000	0.000	0.000	0.0	1.45
06:40	0.000	0.000	0.000	0.0	1.45
06:45	0.000	0.000	0.000	0.0	1.45
06:50	0.000	0.000	0.000	0.0	1.45
06:55	0.000	0.000	0.000	0.0	1.45
07:00	0.000	0.000	0.000	0.0	1.45
07:05	0.000	0.000	0.000	0.0	1.45
07:10	0.000	0.000	0.000	0.0	1.45
07:15	0.000	0.000	0.000	0.0	1.45
07:20	0.000	0.000	0.000	0.0	1.45
07:25	0.000	0.000	0.000	0.0	1.45
07:30	0.000	0.000	0.000	0.0	1.45
07:35	0.000	0.000	0.000	0.0	1.45
07:40	0.000	0.000	0.000	0.0	1.45
07:45	0.000	0.000	0.000	0.0	1.45
07:50	0.000	0.000	0.000	0.0	1.45
07:55	0.000	0.000	0.000	0.0	1.45
08:00	0.000	0.000	0.000	0.0	1.45
08:05	0.000	0.000	0.000	0.0	1.45
08:10	0.000	0.000	0.000	0.0	1.45
08:15	0.000	0.000	0.000	0.0	1.45
08:20	0.000	0.000	0.000	0.0	1.45
08:25	0.000	0.000	0.000	0.0	1.45
08:30	0.000	0.000	0.000	0.0	1.45
08:35	0.000	0.000	0.000	0.0	1.45
08:40	0.000	0.000	0.000	0.0	1.45
08:45	0.000	0.000	0.000	0.0	1.45
08:50	0.000	0.000	0.000	0.0	1.45
08:55	0.000	0.000	0.000	0.0	1.45
09:00	0.000	0.000	0.000	0.0	1.45
09:05	0.000	0.000	0.000	0.0	1.45
09:10	0.000	0.000	0.000	0.0	1.45
09:15	0.000	0.000	0.000	0.0	1.45
09:20	0.000	0.000	0.000	0.0	1.45
09:25	0.000	0.000	0.000	0.0	1.45
09:30	0.000	0.000	0.000	0.0	1.45
09:35	0.000	0.000	0.000	0.0	1.45
09:40	0.000	0.000	0.000	0.0	1.45
09:45	0.000	0.000	0.000	0.0	1.45
09:50	0.000	0.000	0.000	0.0	1.45
09:55	0.000	0.000	0.000	0.0	1.45
10:00	0.000	0.000	0.000	0.0	1.45
10:05	0.000	0.000	0.000	0.0	1.45
10:10	0.000	0.000	0.000	0.0	1.45
10:15	0.000	0.000	0.000	0.0	1.45
10:20	0.000	0.000	0.000	0.0	1.45
10:25	0.000	0.000	0.000	0.0	1.45
10:30	0.000	0.000	0.000	0.0	1.45
10:35	0.000	0.000	0.000	0.0	1.45

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.004	0.012	0.2	0.00
00:10	0.019	0.004	0.015	0.4	0.00
00:15	0.019	0.004	0.015	0.5	0.01
00:20	0.019	0.004	0.015	0.6	0.01
00:25	0.019	0.004	0.015	0.6	0.02
00:30	0.022	0.004	0.018	0.7	0.02
00:35	0.022	0.004	0.018	0.7	0.02
00:40	0.022	0.004	0.018	0.7	0.03
00:45	0.022	0.004	0.018	0.8	0.04
00:50	0.022	0.004	0.018	0.8	0.04
00:55	0.022	0.004	0.018	0.8	0.05
01:00	0.026	0.004	0.022	0.8	0.05
01:05	0.026	0.004	0.022	0.9	0.06
01:10	0.026	0.004	0.022	0.9	0.06
01:15	0.026	0.004	0.022	0.9	0.07
01:20	0.026	0.004	0.022	0.9	0.08
01:25	0.026	0.004	0.022	0.9	0.08
01:30	0.026	0.004	0.022	0.9	0.09
01:35	0.026	0.004	0.022	0.9	0.10
01:40	0.026	0.004	0.022	0.9	0.10
01:45	0.026	0.004	0.022	0.9	0.11
01:50	0.026	0.004	0.022	1.0	0.12
01:55	0.026	0.004	0.022	1.0	0.12
02:00	0.029	0.004	0.025	1.0	0.13
02:05	0.026	0.004	0.022	1.0	0.14
02:10	0.029	0.004	0.025	1.0	0.14
02:15	0.029	0.004	0.025	1.1	0.15
02:20	0.029	0.004	0.025	1.1	0.16
02:25	0.029	0.004	0.025	1.1	0.17
02:30	0.029	0.004	0.025	1.1	0.17
02:35	0.029	0.004	0.025	1.1	0.18
02:40	0.029	0.004	0.025	1.1	0.19
02:45	0.032	0.004	0.028	1.1	0.20
02:50	0.032	0.004	0.028	1.2	0.20
02:55	0.032	0.004	0.028	1.2	0.21
03:00	0.032	0.004	0.028	1.2	0.22
03:05	0.032	0.004	0.028	1.2	0.23
03:10	0.035	0.004	0.031	1.3	0.24
03:15	0.035	0.004	0.031	1.3	0.25
03:20	0.035	0.004	0.031	1.3	0.26
03:25	0.038	0.004	0.034	1.4	0.27
03:30	0.042	0.004	0.038	1.5	0.28
03:35	0.045	0.004	0.041	1.6	0.29
03:40	0.045	0.004	0.041	1.7	0.30
03:45	0.048	0.004	0.044	1.8	0.31
03:50	0.048	0.004	0.044	1.8	0.32
03:55	0.051	0.004	0.047	1.9	0.34
04:00	0.051	0.004	0.047	2.0	0.35
04:05	0.054	0.004	0.050	2.1	0.37
04:10	0.058	0.004	0.054	2.2	0.38
04:15	0.061	0.004	0.057	2.3	0.40
04:20	0.064	0.004	0.060	2.4	0.41
04:25	0.067	0.004	0.063	2.6	0.43
04:30	0.067	0.004	0.063	2.7	0.45
04:35	0.070	0.004	0.066	2.7	0.47
04:40	0.074	0.004	0.070	2.9	0.49
04:45	0.077	0.004	0.073	3.0	0.51
04:50	0.077	0.004	0.073	3.1	0.53
04:55	0.080	0.004	0.076	3.2	0.55
05:00	0.083	0.004	0.079	3.3	0.57
05:05	0.099	0.004	0.095	3.6	0.60
05:10	0.115	0.004	0.111	4.1	0.63
05:15	0.125	0.004	0.121	4.6	0.66
05:20	0.134	0.004	0.130	5.0	0.69
05:25	0.150	0.004	0.146	5.6	0.73

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.004	0.175	6.3	0.78
05:35	0.061	0.004	0.057	5.4	0.81
05:40	0.029	0.004	0.025	3.3	0.83
05:45	0.019	0.004	0.015	2.1	0.85
05:50	0.016	0.004	0.012	1.5	0.86
05:55	0.010	0.004	0.006	1.1	0.87
06:00	0.006	0.003	0.003	0.8	0.87
06:05	0.000	0.000	0.000	0.6	0.88
06:10	0.000	0.000	0.000	0.4	0.88
06:15	0.000	0.000	0.000	0.3	0.88
06:20	0.000	0.000	0.000	0.2	0.88
06:25	0.000	0.000	0.000	0.1	0.88
06:30	0.000	0.000	0.000	0.0	0.88
06:35	0.000	0.000	0.000	0.0	0.88
06:40	0.000	0.000	0.000	0.0	0.88
06:45	0.000	0.000	0.000	0.0	0.88
06:50	0.000	0.000	0.000	0.0	0.88
06:55	0.000	0.000	0.000	0.0	0.88
07:00	0.000	0.000	0.000	0.0	0.88
07:05	0.000	0.000	0.000	0.0	0.88
07:10	0.000	0.000	0.000	0.0	0.88
07:15	0.000	0.000	0.000	0.0	0.88
07:20	0.000	0.000	0.000	0.0	0.88
07:25	0.000	0.000	0.000	0.0	0.88
07:30	0.000	0.000	0.000	0.0	0.88
07:35	0.000	0.000	0.000	0.0	0.88
07:40	0.000	0.000	0.000	0.0	0.88
07:45	0.000	0.000	0.000	0.0	0.88
07:50	0.000	0.000	0.000	0.0	0.88
07:55	0.000	0.000	0.000	0.0	0.88
08:00	0.000	0.000	0.000	0.0	0.88
08:05	0.000	0.000	0.000	0.0	0.88
08:10	0.000	0.000	0.000	0.0	0.88
08:15	0.000	0.000	0.000	0.0	0.88
08:20	0.000	0.000	0.000	0.0	0.88
08:25	0.000	0.000	0.000	0.0	0.88
08:30	0.000	0.000	0.000	0.0	0.88
08:35	0.000	0.000	0.000	0.0	0.88
08:40	0.000	0.000	0.000	0.0	0.88
08:45	0.000	0.000	0.000	0.0	0.88
08:50	0.000	0.000	0.000	0.0	0.88
08:55	0.000	0.000	0.000	0.0	0.88
09:00	0.000	0.000	0.000	0.0	0.88
09:05	0.000	0.000	0.000	0.0	0.88
09:10	0.000	0.000	0.000	0.0	0.88
09:15	0.000	0.000	0.000	0.0	0.88
09:20	0.000	0.000	0.000	0.0	0.88
09:25	0.000	0.000	0.000	0.0	0.88
09:30	0.000	0.000	0.000	0.0	0.88
09:35	0.000	0.000	0.000	0.0	0.88
09:40	0.000	0.000	0.000	0.0	0.88
09:45	0.000	0.000	0.000	0.0	0.88
09:50	0.000	0.000	0.000	0.0	0.88
09:55	0.000	0.000	0.000	0.0	0.88
10:00	0.000	0.000	0.000	0.0	0.88
10:05	0.000	0.000	0.000	0.0	0.88
10:10	0.000	0.000	0.000	0.0	0.88
10:15	0.000	0.000	0.000	0.0	0.88
10:20	0.000	0.000	0.000	0.0	0.88
10:25	0.000	0.000	0.000	0.0	0.88
10:30	0.000	0.000	0.000	0.0	0.88
10:35	0.000	0.000	0.000	0.0	0.88

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.003	0.013	0.3	0.00
00:10	0.019	0.003	0.016	0.5	0.01
00:15	0.019	0.003	0.016	0.6	0.01
00:20	0.019	0.003	0.016	0.6	0.01
00:25	0.019	0.003	0.016	0.7	0.02
00:30	0.022	0.003	0.019	0.8	0.02
00:35	0.022	0.003	0.019	0.8	0.03
00:40	0.022	0.003	0.019	0.8	0.04
00:45	0.022	0.003	0.019	0.8	0.04
00:50	0.022	0.003	0.019	0.8	0.05
00:55	0.022	0.003	0.019	0.8	0.05
01:00	0.026	0.003	0.022	0.9	0.06
01:05	0.026	0.003	0.022	0.9	0.07
01:10	0.026	0.003	0.022	0.9	0.07
01:15	0.026	0.003	0.022	1.0	0.08
01:20	0.026	0.003	0.022	1.0	0.08
01:25	0.026	0.003	0.022	1.0	0.09
01:30	0.026	0.003	0.022	1.0	0.10
01:35	0.026	0.003	0.022	1.0	0.10
01:40	0.026	0.003	0.022	1.0	0.11
01:45	0.026	0.003	0.022	1.0	0.12
01:50	0.026	0.003	0.022	1.0	0.12
01:55	0.026	0.003	0.022	1.0	0.13
02:00	0.029	0.003	0.025	1.0	0.14
02:05	0.026	0.003	0.022	1.0	0.15
02:10	0.029	0.003	0.025	1.1	0.15
02:15	0.029	0.003	0.025	1.1	0.16
02:20	0.029	0.003	0.025	1.1	0.17
02:25	0.029	0.003	0.025	1.1	0.18
02:30	0.029	0.003	0.025	1.1	0.18
02:35	0.029	0.003	0.025	1.1	0.19
02:40	0.029	0.003	0.025	1.1	0.20
02:45	0.032	0.003	0.029	1.2	0.21
02:50	0.032	0.003	0.029	1.2	0.21
02:55	0.032	0.003	0.029	1.2	0.22
03:00	0.032	0.003	0.029	1.2	0.23
03:05	0.032	0.003	0.029	1.2	0.24
03:10	0.035	0.003	0.032	1.3	0.25
03:15	0.035	0.003	0.032	1.4	0.26
03:20	0.035	0.003	0.032	1.4	0.27
03:25	0.038	0.003	0.035	1.5	0.28
03:30	0.042	0.003	0.038	1.6	0.29
03:35	0.045	0.003	0.041	1.7	0.30
03:40	0.045	0.003	0.041	1.7	0.31
03:45	0.048	0.003	0.045	1.9	0.32
03:50	0.048	0.003	0.045	1.9	0.34
03:55	0.051	0.003	0.048	2.0	0.35
04:00	0.051	0.003	0.048	2.0	0.37
04:05	0.054	0.003	0.051	2.1	0.38
04:10	0.058	0.003	0.054	2.3	0.40
04:15	0.061	0.003	0.057	2.4	0.41
04:20	0.064	0.003	0.061	2.5	0.43
04:25	0.067	0.003	0.064	2.7	0.45
04:30	0.067	0.003	0.064	2.7	0.47
04:35	0.070	0.003	0.067	2.8	0.49
04:40	0.074	0.003	0.070	3.0	0.51
04:45	0.077	0.003	0.073	3.1	0.53
04:50	0.077	0.003	0.073	3.1	0.55
04:55	0.080	0.003	0.077	3.2	0.57
05:00	0.083	0.003	0.080	3.4	0.60
05:05	0.099	0.003	0.096	3.8	0.62
05:10	0.115	0.003	0.112	4.4	0.65
05:15	0.125	0.003	0.121	4.9	0.69
05:20	0.134	0.003	0.131	5.3	0.72
05:25	0.150	0.003	0.147	5.9	0.76

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.003	0.176	6.9	0.81
05:35	0.061	0.003	0.057	4.1	0.84
05:40	0.029	0.003	0.025	2.3	0.86
05:45	0.019	0.003	0.016	1.5	0.87
05:50	0.016	0.003	0.013	1.1	0.87
05:55	0.010	0.003	0.006	0.7	0.88
06:00	0.006	0.003	0.003	0.4	0.88
06:05	0.000	0.000	0.000	0.1	0.88
06:10	0.000	0.000	0.000	0.1	0.88
06:15	0.000	0.000	0.000	0.0	0.88
06:20	0.000	0.000	0.000	0.0	0.88
06:25	0.000	0.000	0.000	0.0	0.88
06:30	0.000	0.000	0.000	0.0	0.88
06:35	0.000	0.000	0.000	0.0	0.88
06:40	0.000	0.000	0.000	0.0	0.88
06:45	0.000	0.000	0.000	0.0	0.88
06:50	0.000	0.000	0.000	0.0	0.88
06:55	0.000	0.000	0.000	0.0	0.88
07:00	0.000	0.000	0.000	0.0	0.88
07:05	0.000	0.000	0.000	0.0	0.88
07:10	0.000	0.000	0.000	0.0	0.88
07:15	0.000	0.000	0.000	0.0	0.88
07:20	0.000	0.000	0.000	0.0	0.88
07:25	0.000	0.000	0.000	0.0	0.88
07:30	0.000	0.000	0.000	0.0	0.88
07:35	0.000	0.000	0.000	0.0	0.88
07:40	0.000	0.000	0.000	0.0	0.88
07:45	0.000	0.000	0.000	0.0	0.88
07:50	0.000	0.000	0.000	0.0	0.88
07:55	0.000	0.000	0.000	0.0	0.88
08:00	0.000	0.000	0.000	0.0	0.88
08:05	0.000	0.000	0.000	0.0	0.88
08:10	0.000	0.000	0.000	0.0	0.88
08:15	0.000	0.000	0.000	0.0	0.88
08:20	0.000	0.000	0.000	0.0	0.88
08:25	0.000	0.000	0.000	0.0	0.88
08:30	0.000	0.000	0.000	0.0	0.88
08:35	0.000	0.000	0.000	0.0	0.88
08:40	0.000	0.000	0.000	0.0	0.88
08:45	0.000	0.000	0.000	0.0	0.88
08:50	0.000	0.000	0.000	0.0	0.88
08:55	0.000	0.000	0.000	0.0	0.88
09:00	0.000	0.000	0.000	0.0	0.88
09:05	0.000	0.000	0.000	0.0	0.88
09:10	0.000	0.000	0.000	0.0	0.88
09:15	0.000	0.000	0.000	0.0	0.88
09:20	0.000	0.000	0.000	0.0	0.88
09:25	0.000	0.000	0.000	0.0	0.88
09:30	0.000	0.000	0.000	0.0	0.88
09:35	0.000	0.000	0.000	0.0	0.88
09:40	0.000	0.000	0.000	0.0	0.88
09:45	0.000	0.000	0.000	0.0	0.88
09:50	0.000	0.000	0.000	0.0	0.88
09:55	0.000	0.000	0.000	0.0	0.88
10:00	0.000	0.000	0.000	0.0	0.88
10:05	0.000	0.000	0.000	0.0	0.88
10:10	0.000	0.000	0.000	0.0	0.88
10:15	0.000	0.000	0.000	0.0	0.88
10:20	0.000	0.000	0.000	0.0	0.88
10:25	0.000	0.000	0.000	0.0	0.88
10:30	0.000	0.000	0.000	0.0	0.88
10:35	0.000	0.000	0.000	0.0	0.88

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.8	1.0	0.00	0.01
00:10	0.02	0.8	1.8	0.01	0.02
00:15	0.03	0.8	2.1	0.03	0.03
00:20	0.05	0.8	2.3	0.04	0.05
00:25	0.07	0.8	2.3	0.06	0.07
00:30	0.09	0.8	2.6	0.07	0.08
00:35	0.11	0.8	2.8	0.09	0.10
00:40	0.14	0.8	2.9	0.11	0.12
00:45	0.16	0.8	3.0	0.13	0.14
00:50	0.19	0.8	3.0	0.15	0.16
00:55	0.21	0.8	3.0	0.17	0.18
01:00	0.24	0.8	3.3	0.20	0.21
01:05	0.27	0.8	3.5	0.22	0.23
01:10	0.30	0.8	3.6	0.24	0.26
01:15	0.33	0.8	3.6	0.27	0.28
01:20	0.36	0.8	3.7	0.29	0.31
01:25	0.39	0.8	3.7	0.32	0.33
01:30	0.42	0.8	3.7	0.34	0.36
01:35	0.45	0.8	3.7	0.37	0.38
01:40	0.48	0.8	3.7	0.40	0.41
01:45	0.51	0.8	3.7	0.42	0.43
01:50	0.54	0.8	3.7	0.45	0.46
01:55	0.57	0.8	3.7	0.47	0.49
02:00	0.61	0.8	4.0	0.50	0.51
02:05	0.64	0.8	3.9	0.53	0.54
02:10	0.67	0.8	4.1	0.55	0.57
02:15	0.71	0.8	4.3	0.58	0.60
02:20	0.74	0.8	4.4	0.61	0.63
02:25	0.78	0.8	4.4	0.64	0.66
02:30	0.82	0.8	4.4	0.67	0.69
02:35	0.85	0.8	4.4	0.70	0.72
02:40	0.89	0.9	4.4	0.73	0.75
02:45	0.93	0.9	4.8	0.77	0.78
02:50	0.97	0.9	5.0	0.80	0.82
02:55	1.01	0.9	5.1	0.83	0.85
03:00	1.05	0.9	5.1	0.87	0.89
03:05	1.09	0.9	5.1	0.90	0.92
03:10	1.13	0.9	5.5	0.94	0.96
03:15	1.18	0.9	5.7	0.98	1.00
03:20	1.22	0.9	5.8	1.02	1.04
03:25	1.27	0.9	6.2	1.06	1.08
03:30	1.32	0.9	6.8	1.11	1.13
03:35	1.37	0.9	7.4	1.16	1.18
03:40	1.43	0.9	7.8	1.21	1.23
03:45	1.49	0.9	8.3	1.26	1.29
03:50	1.56	0.9	8.6	1.32	1.35
03:55	1.62	0.9	9.0	1.38	1.41
04:00	1.69	0.9	9.3	1.44	1.48
04:05	1.77	0.9	9.8	1.51	1.54
04:10	1.85	0.9	10.4	1.58	1.62
04:15	1.93	0.9	11.1	1.65	1.69
04:20	2.02	0.9	11.8	1.73	1.77
04:25	2.10	0.9	12.5	1.82	1.86
04:30	2.19	0.9	12.9	1.91	1.95
04:35	2.29	1.0	13.4	2.00	2.04
04:40	2.39	1.0	14.1	2.09	2.14
04:45	2.49	1.0	14.8	2.19	2.24
04:50	2.59	1.0	15.2	2.29	2.35
04:55	2.70	1.0	15.7	2.40	2.45
05:00	2.82	1.0	16.4	2.51	2.57
05:05	2.94	1.0	18.4	2.63	2.69
05:10	3.08	1.0	21.4	2.77	2.84
05:15	3.21	1.0	24.0	2.91	3.01
05:20	3.34	1.0	26.3	3.04	3.19
05:25	3.46	1.0	29.2	3.17	3.39

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.58	1.1	33.9	3.29	3.62
05:35	3.66	1.1	24.1	3.37	3.79
05:40	3.65	1.1	13.6	3.37	3.88
05:45	3.61	1.1	8.3	3.32	3.94
05:50	3.55	1.0	5.7	3.26	3.98
05:55	3.49	1.0	4.1	3.20	4.00
06:00	3.44	1.0	2.9	3.15	4.02
06:05	3.39	1.0	1.8	3.10	4.04
06:10	3.35	1.0	1.1	3.05	4.04
06:15	3.31	1.0	0.6	3.01	4.05
06:20	3.27	1.0	0.3	2.97	4.05
06:25	3.24	1.0	0.1	2.94	4.05
06:30	3.22	1.0	0.1	2.91	4.05
06:35	3.20	1.0	0.0	2.89	4.05
06:40	3.18	1.0	0.0	2.87	4.05
06:45	3.16	1.0	0.0	2.85	4.05
06:50	3.15	1.0	0.0	2.84	4.05
06:55	3.13	1.0	0.0	2.83	4.05
07:00	3.12	1.0	0.0	2.81	4.05
07:05	3.11	1.0	0.0	2.80	4.05
07:10	3.11	1.0	0.0	2.80	4.05
07:15	3.10	1.0	0.0	2.79	4.05
07:20	3.09	1.0	0.0	2.78	4.05
07:25	3.08	1.0	0.0	2.77	4.05
07:30	3.08	1.0	0.0	2.77	4.05
07:35	3.07	1.0	0.0	2.76	4.05
07:40	3.07	1.0	0.0	2.76	4.05
07:45	3.07	1.0	0.0	2.75	4.05
07:50	3.06	1.0	0.0	2.75	4.05
07:55	3.06	1.0	0.0	2.75	4.05
08:00	3.05	1.0	0.0	2.74	4.05
08:05	3.05	1.0	0.0	2.74	4.05
08:10	3.05	1.0	0.0	2.74	4.05
08:15	3.05	1.0	0.0	2.73	4.05
08:20	3.04	1.0	0.0	2.73	4.05
08:25	3.04	1.0	0.0	2.73	4.05
08:30	3.04	1.0	0.0	2.73	4.05
08:35	3.04	1.0	0.0	2.73	4.05
08:40	3.04	1.0	0.0	2.72	4.05
08:45	3.04	1.0	0.0	2.72	4.05
08:50	3.03	1.0	0.0	2.72	4.05
08:55	3.03	1.0	0.0	2.72	4.05
09:00	3.03	1.0	0.0	2.72	4.05
09:05	3.03	1.0	0.0	2.72	4.05
09:10	3.03	1.0	0.0	2.72	4.05
09:15	3.03	1.0	0.0	2.71	4.05
09:20	3.03	1.0	0.0	2.71	4.05
09:25	3.03	1.0	0.0	2.71	4.05
09:30	3.02	1.0	0.0	2.71	4.05
09:35	3.02	1.0	0.0	2.71	4.05
09:40	3.02	1.0	0.0	2.71	4.05
09:45	3.02	1.0	0.0	2.71	4.05
09:50	3.02	1.0	0.0	2.71	4.05
09:55	3.02	1.0	0.0	2.71	4.05
10:00	3.02	1.0	0.0	2.71	4.05
10:05	3.02	1.0	0.0	2.71	4.05
10:10	3.02	1.0	0.0	2.71	4.05
10:15	3.02	1.0	0.0	2.70	4.05
10:20	3.02	1.0	0.0	2.70	4.05
10:25	3.02	1.0	0.0	2.70	4.05
10:30	3.02	1.0	0.0	2.70	4.05
10:35	3.02	1.0	0.0	2.70	4.05

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.015	1.4	0.01
00:10	0.019	0.002	0.018	2.1	0.02
00:15	0.019	0.002	0.018	2.3	0.04
00:20	0.019	0.002	0.018	2.4	0.06
00:25	0.019	0.002	0.018	2.4	0.07
00:30	0.022	0.002	0.021	2.8	0.09
00:35	0.022	0.002	0.021	2.9	0.11
00:40	0.022	0.002	0.021	2.9	0.13
00:45	0.022	0.002	0.021	2.9	0.15
00:50	0.022	0.002	0.021	2.9	0.17
00:55	0.022	0.002	0.021	2.9	0.19
01:00	0.026	0.002	0.024	3.2	0.21
01:05	0.026	0.002	0.024	3.3	0.24
01:10	0.026	0.002	0.024	3.3	0.26
01:15	0.026	0.002	0.024	3.3	0.28
01:20	0.026	0.002	0.024	3.4	0.31
01:25	0.026	0.002	0.024	3.4	0.33
01:30	0.026	0.002	0.024	3.4	0.35
01:35	0.026	0.002	0.024	3.4	0.38
01:40	0.026	0.002	0.024	3.4	0.40
01:45	0.026	0.002	0.024	3.4	0.42
01:50	0.026	0.002	0.024	3.4	0.44
01:55	0.026	0.002	0.024	3.4	0.47
02:00	0.029	0.002	0.027	3.7	0.49
02:05	0.026	0.002	0.024	3.4	0.52
02:10	0.029	0.002	0.027	3.7	0.54
02:15	0.029	0.002	0.027	3.8	0.57
02:20	0.029	0.002	0.027	3.8	0.59
02:25	0.029	0.002	0.027	3.8	0.62
02:30	0.029	0.002	0.027	3.8	0.65
02:35	0.029	0.002	0.027	3.8	0.67
02:40	0.029	0.002	0.027	3.8	0.70
02:45	0.032	0.002	0.031	4.1	0.73
02:50	0.032	0.002	0.031	4.2	0.76
02:55	0.032	0.002	0.031	4.2	0.79
03:00	0.032	0.002	0.031	4.2	0.81
03:05	0.032	0.002	0.031	4.3	0.84
03:10	0.035	0.002	0.034	4.6	0.88
03:15	0.035	0.002	0.034	4.6	0.91
03:20	0.035	0.002	0.034	4.7	0.94
03:25	0.038	0.002	0.037	5.0	0.97
03:30	0.042	0.002	0.040	5.4	1.01
03:35	0.045	0.002	0.043	5.8	1.05
03:40	0.045	0.002	0.043	5.9	1.09
03:45	0.048	0.002	0.047	6.3	1.14
03:50	0.048	0.002	0.047	6.4	1.18
03:55	0.051	0.002	0.050	6.8	1.23
04:00	0.051	0.002	0.050	6.9	1.27
04:05	0.054	0.002	0.053	7.2	1.32
04:10	0.058	0.002	0.056	7.6	1.38
04:15	0.061	0.002	0.059	8.0	1.43
04:20	0.064	0.002	0.063	8.5	1.49
04:25	0.067	0.002	0.066	8.9	1.55
04:30	0.067	0.002	0.066	9.1	1.61
04:35	0.070	0.002	0.069	9.4	1.68
04:40	0.074	0.002	0.072	9.8	1.75
04:45	0.077	0.002	0.075	10.3	1.82
04:50	0.077	0.002	0.075	10.4	1.89
04:55	0.080	0.002	0.079	10.8	1.96
05:00	0.083	0.002	0.082	11.2	2.04
05:05	0.099	0.002	0.098	12.9	2.13
05:10	0.115	0.002	0.114	14.9	2.23
05:15	0.125	0.002	0.123	16.3	2.34
05:20	0.134	0.002	0.133	17.7	2.46
05:25	0.150	0.002	0.149	19.7	2.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.178	23.2	2.76
05:35	0.061	0.002	0.059	12.5	2.85
05:40	0.029	0.002	0.027	6.7	2.89
05:45	0.019	0.002	0.018	4.4	2.92
05:50	0.016	0.002	0.015	3.2	2.95
05:55	0.010	0.002	0.008	1.8	2.96
06:00	0.006	0.001	0.005	1.0	2.96
06:05	0.000	0.000	0.000	0.3	2.97
06:10	0.000	0.000	0.000	0.2	2.97
06:15	0.000	0.000	0.000	0.1	2.97
06:20	0.000	0.000	0.000	0.0	2.97
06:25	0.000	0.000	0.000	0.0	2.97
06:30	0.000	0.000	0.000	0.0	2.97
06:35	0.000	0.000	0.000	0.0	2.97
06:40	0.000	0.000	0.000	0.0	2.97
06:45	0.000	0.000	0.000	0.0	2.97
06:50	0.000	0.000	0.000	0.0	2.97
06:55	0.000	0.000	0.000	0.0	2.97
07:00	0.000	0.000	0.000	0.0	2.97
07:05	0.000	0.000	0.000	0.0	2.97
07:10	0.000	0.000	0.000	0.0	2.97
07:15	0.000	0.000	0.000	0.0	2.97
07:20	0.000	0.000	0.000	0.0	2.97
07:25	0.000	0.000	0.000	0.0	2.97
07:30	0.000	0.000	0.000	0.0	2.97
07:35	0.000	0.000	0.000	0.0	2.97
07:40	0.000	0.000	0.000	0.0	2.97
07:45	0.000	0.000	0.000	0.0	2.97
07:50	0.000	0.000	0.000	0.0	2.97
07:55	0.000	0.000	0.000	0.0	2.97
08:00	0.000	0.000	0.000	0.0	2.97
08:05	0.000	0.000	0.000	0.0	2.97
08:10	0.000	0.000	0.000	0.0	2.97
08:15	0.000	0.000	0.000	0.0	2.97
08:20	0.000	0.000	0.000	0.0	2.97
08:25	0.000	0.000	0.000	0.0	2.97
08:30	0.000	0.000	0.000	0.0	2.97
08:35	0.000	0.000	0.000	0.0	2.97
08:40	0.000	0.000	0.000	0.0	2.97
08:45	0.000	0.000	0.000	0.0	2.97
08:50	0.000	0.000	0.000	0.0	2.97
08:55	0.000	0.000	0.000	0.0	2.97
09:00	0.000	0.000	0.000	0.0	2.97
09:05	0.000	0.000	0.000	0.0	2.97
09:10	0.000	0.000	0.000	0.0	2.97
09:15	0.000	0.000	0.000	0.0	2.97
09:20	0.000	0.000	0.000	0.0	2.97
09:25	0.000	0.000	0.000	0.0	2.97
09:30	0.000	0.000	0.000	0.0	2.97
09:35	0.000	0.000	0.000	0.0	2.97
09:40	0.000	0.000	0.000	0.0	2.97
09:45	0.000	0.000	0.000	0.0	2.97
09:50	0.000	0.000	0.000	0.0	2.97
09:55	0.000	0.000	0.000	0.0	2.97
10:00	0.000	0.000	0.000	0.0	2.97
10:05	0.000	0.000	0.000	0.0	2.97
10:10	0.000	0.000	0.000	0.0	2.97
10:15	0.000	0.000	0.000	0.0	2.97
10:20	0.000	0.000	0.000	0.0	2.97
10:25	0.000	0.000	0.000	0.0	2.97
10:30	0.000	0.000	0.000	0.0	2.97
10:35	0.000	0.000	0.000	0.0	2.97

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.5	1.4	0.00	0.01
00:10	0.03	0.5	2.1	0.02	0.02
00:15	0.06	0.5	2.3	0.03	0.04
00:20	0.09	0.5	2.4	0.05	0.06
00:25	0.12	0.5	2.4	0.06	0.07
00:30	0.16	0.5	2.8	0.08	0.09
00:35	0.19	0.5	2.9	0.10	0.11
00:40	0.23	0.5	2.9	0.12	0.13
00:45	0.27	0.5	2.9	0.14	0.15
00:50	0.31	0.5	2.9	0.16	0.17
00:55	0.35	0.5	2.9	0.18	0.19
01:00	0.39	0.5	3.2	0.20	0.21
01:05	0.43	0.5	3.3	0.23	0.24
01:10	0.47	0.5	3.3	0.25	0.26
01:15	0.52	0.5	3.3	0.27	0.28
01:20	0.56	0.5	3.4	0.29	0.31
01:25	0.61	0.5	3.4	0.32	0.33
01:30	0.65	0.5	3.4	0.34	0.35
01:35	0.70	0.5	3.4	0.36	0.38
01:40	0.74	0.5	3.4	0.39	0.40
01:45	0.78	0.5	3.4	0.41	0.42
01:50	0.83	0.5	3.4	0.43	0.44
01:55	0.87	0.5	3.4	0.46	0.47
02:00	0.92	0.5	3.7	0.48	0.49
02:05	0.97	0.5	3.4	0.50	0.52
02:10	1.01	0.6	3.7	0.53	0.54
02:15	1.06	0.6	3.8	0.56	0.57
02:20	1.10	0.6	3.8	0.58	0.59
02:25	1.15	0.6	3.8	0.61	0.62
02:30	1.19	0.6	3.8	0.63	0.65
02:35	1.24	0.6	3.8	0.66	0.67
02:40	1.28	0.6	3.8	0.69	0.70
02:45	1.33	0.6	4.1	0.71	0.73
02:50	1.38	0.6	4.2	0.74	0.76
02:55	1.43	0.6	4.2	0.77	0.79
03:00	1.48	0.6	4.2	0.80	0.81
03:05	1.53	0.6	4.3	0.83	0.84
03:10	1.58	0.6	4.6	0.86	0.88
03:15	1.63	0.6	4.6	0.89	0.91
03:20	1.69	0.6	4.7	0.92	0.94
03:25	1.75	0.6	5.0	0.96	0.97
03:30	1.81	0.6	5.4	0.99	1.01
03:35	1.88	0.6	5.8	1.03	1.05
03:40	1.95	0.6	5.9	1.07	1.09
03:45	2.02	0.6	6.3	1.11	1.14
03:50	2.09	0.6	6.4	1.16	1.18
03:55	2.16	0.6	6.8	1.20	1.23
04:00	2.23	0.6	6.9	1.25	1.27
04:05	2.30	0.6	7.2	1.30	1.32
04:10	2.38	0.6	7.6	1.35	1.38
04:15	2.47	0.6	8.0	1.40	1.43
04:20	2.56	0.6	8.5	1.46	1.49
04:25	2.65	0.6	8.9	1.52	1.55
04:30	2.75	0.7	9.1	1.58	1.61
04:35	2.85	0.7	9.4	1.65	1.68
04:40	2.95	0.7	9.8	1.71	1.75
04:45	3.05	0.7	10.3	1.78	1.82
04:50	3.15	0.7	10.4	1.85	1.89
04:55	3.23	0.7	10.8	1.91	1.96
05:00	3.31	0.7	11.2	1.96	2.04
05:05	3.38	0.7	12.9	2.01	2.13
05:10	3.45	0.7	14.9	2.06	2.23
05:15	3.52	0.7	16.3	2.11	2.34
05:20	3.59	0.7	17.7	2.16	2.46
05:25	3.66	0.7	19.7	2.21	2.60

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.73	0.7	23.2	2.26	2.76
05:35	3.76	0.7	12.5	2.27	2.85
05:40	3.70	0.7	6.7	2.24	2.89
05:45	3.63	0.7	4.4	2.19	2.92
05:50	3.56	0.7	3.2	2.14	2.95
05:55	3.49	0.7	1.8	2.09	2.96
06:00	3.43	0.7	1.0	2.05	2.96
06:05	3.38	0.7	0.3	2.01	2.97
06:10	3.33	0.7	0.2	1.98	2.97
06:15	3.29	0.7	0.1	1.95	2.97
06:20	3.26	0.7	0.0	1.92	2.97
06:25	3.23	0.7	0.0	1.90	2.97
06:30	3.21	0.7	0.0	1.89	2.97
06:35	3.19	0.7	0.0	1.87	2.97
06:40	3.17	0.7	0.0	1.86	2.97
06:45	3.15	0.7	0.0	1.85	2.97
06:50	3.14	0.7	0.0	1.84	2.97
06:55	3.13	0.7	0.0	1.83	2.97
07:00	3.12	0.7	0.0	1.83	2.97
07:05	3.11	0.7	0.0	1.82	2.97
07:10	3.10	0.7	0.0	1.81	2.97
07:15	3.09	0.7	0.0	1.81	2.97
07:20	3.09	0.7	0.0	1.80	2.97
07:25	3.08	0.7	0.0	1.80	2.97
07:30	3.08	0.7	0.0	1.80	2.97
07:35	3.07	0.7	0.0	1.79	2.97
07:40	3.07	0.7	0.0	1.79	2.97
07:45	3.06	0.7	0.0	1.79	2.97
07:50	3.06	0.7	0.0	1.78	2.97
07:55	3.06	0.7	0.0	1.78	2.97
08:00	3.05	0.7	0.0	1.78	2.97
08:05	3.05	0.7	0.0	1.78	2.97
08:10	3.05	0.7	0.0	1.78	2.97
08:15	3.05	0.7	0.0	1.77	2.97
08:20	3.04	0.7	0.0	1.77	2.97
08:25	3.04	0.7	0.0	1.77	2.97
08:30	3.04	0.7	0.0	1.77	2.97
08:35	3.04	0.7	0.0	1.77	2.97
08:40	3.04	0.7	0.0	1.77	2.97
08:45	3.03	0.7	0.0	1.77	2.97
08:50	3.03	0.7	0.0	1.77	2.97
08:55	3.03	0.7	0.0	1.76	2.97
09:00	3.03	0.7	0.0	1.76	2.97
09:05	3.03	0.7	0.0	1.76	2.97
09:10	3.03	0.7	0.0	1.76	2.97
09:15	3.03	0.7	0.0	1.76	2.97
09:20	3.03	0.7	0.0	1.76	2.97
09:25	3.03	0.7	0.0	1.76	2.97
09:30	3.02	0.7	0.0	1.76	2.97
09:35	3.02	0.7	0.0	1.76	2.97
09:40	3.02	0.7	0.0	1.76	2.97
09:45	3.02	0.7	0.0	1.76	2.97
09:50	3.02	0.7	0.0	1.76	2.97
09:55	3.02	0.7	0.0	1.76	2.97
10:00	3.02	0.7	0.0	1.76	2.97
10:05	3.02	0.7	0.0	1.76	2.97
10:10	3.02	0.7	0.0	1.76	2.97
10:15	3.02	0.7	0.0	1.76	2.97
10:20	3.02	0.7	0.0	1.75	2.97
10:25	3.02	0.7	0.0	1.75	2.97
10:30	3.02	0.7	0.0	1.75	2.97
10:35	3.02	0.7	0.0	1.75	2.97

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	0.9	0.01
00:10	0.019	0.008	0.012	1.4	0.02
00:15	0.019	0.008	0.012	1.5	0.03
00:20	0.019	0.008	0.012	1.6	0.04
00:25	0.019	0.008	0.012	1.6	0.05
00:30	0.022	0.008	0.015	2.0	0.06
00:35	0.022	0.008	0.015	2.0	0.08
00:40	0.022	0.008	0.015	2.1	0.09
00:45	0.022	0.008	0.015	2.1	0.10
00:50	0.022	0.008	0.015	2.1	0.12
00:55	0.022	0.008	0.015	2.1	0.13
01:00	0.026	0.008	0.018	2.4	0.15
01:05	0.026	0.008	0.018	2.5	0.17
01:10	0.026	0.008	0.018	2.5	0.18
01:15	0.026	0.008	0.018	2.5	0.20
01:20	0.026	0.008	0.018	2.5	0.22
01:25	0.026	0.008	0.018	2.5	0.24
01:30	0.026	0.008	0.018	2.5	0.25
01:35	0.026	0.008	0.018	2.5	0.27
01:40	0.026	0.008	0.018	2.5	0.29
01:45	0.026	0.008	0.018	2.5	0.30
01:50	0.026	0.008	0.018	2.5	0.32
01:55	0.026	0.008	0.018	2.5	0.34
02:00	0.029	0.008	0.021	2.8	0.36
02:05	0.026	0.008	0.018	2.6	0.38
02:10	0.029	0.008	0.021	2.9	0.40
02:15	0.029	0.008	0.021	2.9	0.42
02:20	0.029	0.008	0.021	3.0	0.44
02:25	0.029	0.008	0.021	3.0	0.46
02:30	0.029	0.008	0.021	3.0	0.48
02:35	0.029	0.008	0.021	3.0	0.50
02:40	0.029	0.008	0.021	3.0	0.52
02:45	0.032	0.008	0.025	3.3	0.54
02:50	0.032	0.008	0.025	3.4	0.57
02:55	0.032	0.008	0.025	3.4	0.59
03:00	0.032	0.008	0.025	3.4	0.61
03:05	0.032	0.008	0.025	3.4	0.64
03:10	0.035	0.008	0.028	3.7	0.66
03:15	0.035	0.008	0.028	3.8	0.69
03:20	0.035	0.008	0.028	3.8	0.71
03:25	0.038	0.008	0.031	4.2	0.74
03:30	0.042	0.008	0.034	4.6	0.77
03:35	0.045	0.008	0.037	5.0	0.81
03:40	0.045	0.008	0.037	5.1	0.84
03:45	0.048	0.008	0.041	5.5	0.88
03:50	0.048	0.008	0.041	5.6	0.92
03:55	0.051	0.008	0.044	5.9	0.96
04:00	0.051	0.008	0.044	6.0	1.00
04:05	0.054	0.008	0.047	6.4	1.05
04:10	0.058	0.008	0.050	6.8	1.09
04:15	0.061	0.008	0.053	7.2	1.14
04:20	0.064	0.008	0.057	7.7	1.20
04:25	0.067	0.008	0.060	8.1	1.25
04:30	0.067	0.008	0.060	8.2	1.31
04:35	0.070	0.008	0.063	8.6	1.37
04:40	0.074	0.008	0.066	9.0	1.43
04:45	0.077	0.008	0.069	9.5	1.50
04:50	0.077	0.008	0.069	9.6	1.56
04:55	0.080	0.008	0.073	9.9	1.63
05:00	0.083	0.008	0.076	10.4	1.70
05:05	0.099	0.008	0.092	12.1	1.79
05:10	0.115	0.008	0.108	14.2	1.88
05:15	0.125	0.008	0.117	15.6	1.99
05:20	0.134	0.008	0.127	17.0	2.11
05:25	0.150	0.008	0.143	19.1	2.24

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	22.5	2.39
05:35	0.061	0.008	0.053	11.3	2.47
05:40	0.029	0.008	0.021	5.5	2.51
05:45	0.019	0.008	0.012	3.3	2.53
05:50	0.016	0.008	0.009	2.1	2.55
05:55	0.010	0.005	0.005	1.0	2.55
06:00	0.006	0.003	0.003	0.6	2.56
06:05	0.000	0.000	0.000	0.2	2.56
06:10	0.000	0.000	0.000	0.1	2.56
06:15	0.000	0.000	0.000	0.0	2.56
06:20	0.000	0.000	0.000	0.0	2.56
06:25	0.000	0.000	0.000	0.0	2.56
06:30	0.000	0.000	0.000	0.0	2.56
06:35	0.000	0.000	0.000	0.0	2.56
06:40	0.000	0.000	0.000	0.0	2.56
06:45	0.000	0.000	0.000	0.0	2.56
06:50	0.000	0.000	0.000	0.0	2.56
06:55	0.000	0.000	0.000	0.0	2.56
07:00	0.000	0.000	0.000	0.0	2.56
07:05	0.000	0.000	0.000	0.0	2.56
07:10	0.000	0.000	0.000	0.0	2.56
07:15	0.000	0.000	0.000	0.0	2.56
07:20	0.000	0.000	0.000	0.0	2.56
07:25	0.000	0.000	0.000	0.0	2.56
07:30	0.000	0.000	0.000	0.0	2.56
07:35	0.000	0.000	0.000	0.0	2.56
07:40	0.000	0.000	0.000	0.0	2.56
07:45	0.000	0.000	0.000	0.0	2.56
07:50	0.000	0.000	0.000	0.0	2.56
07:55	0.000	0.000	0.000	0.0	2.56
08:00	0.000	0.000	0.000	0.0	2.56
08:05	0.000	0.000	0.000	0.0	2.56
08:10	0.000	0.000	0.000	0.0	2.56
08:15	0.000	0.000	0.000	0.0	2.56
08:20	0.000	0.000	0.000	0.0	2.56
08:25	0.000	0.000	0.000	0.0	2.56
08:30	0.000	0.000	0.000	0.0	2.56
08:35	0.000	0.000	0.000	0.0	2.56
08:40	0.000	0.000	0.000	0.0	2.56
08:45	0.000	0.000	0.000	0.0	2.56
08:50	0.000	0.000	0.000	0.0	2.56
08:55	0.000	0.000	0.000	0.0	2.56
09:00	0.000	0.000	0.000	0.0	2.56
09:05	0.000	0.000	0.000	0.0	2.56
09:10	0.000	0.000	0.000	0.0	2.56
09:15	0.000	0.000	0.000	0.0	2.56
09:20	0.000	0.000	0.000	0.0	2.56
09:25	0.000	0.000	0.000	0.0	2.56
09:30	0.000	0.000	0.000	0.0	2.56
09:35	0.000	0.000	0.000	0.0	2.56
09:40	0.000	0.000	0.000	0.0	2.56
09:45	0.000	0.000	0.000	0.0	2.56
09:50	0.000	0.000	0.000	0.0	2.56
09:55	0.000	0.000	0.000	0.0	2.56
10:00	0.000	0.000	0.000	0.0	2.56
10:05	0.000	0.000	0.000	0.0	2.56
10:10	0.000	0.000	0.000	0.0	2.56
10:15	0.000	0.000	0.000	0.0	2.56
10:20	0.000	0.000	0.000	0.0	2.56
10:25	0.000	0.000	0.000	0.0	2.56
10:30	0.000	0.000	0.000	0.0	2.56
10:35	0.000	0.000	0.000	0.0	2.56

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.02	0.1	0.9	0.00	0.01
00:10	0.07	0.1	1.4	0.01	0.02
00:15	0.13	0.2	1.5	0.02	0.03
00:20	0.19	0.2	1.6	0.03	0.04
00:25	0.26	0.2	1.6	0.04	0.05
00:30	0.34	0.2	2.0	0.05	0.06
00:35	0.42	0.2	2.0	0.07	0.08
00:40	0.51	0.2	2.1	0.08	0.09
00:45	0.59	0.2	2.1	0.10	0.10
00:50	0.68	0.2	2.1	0.11	0.12
00:55	0.77	0.2	2.1	0.13	0.13
01:00	0.86	0.2	2.4	0.14	0.15
01:05	0.97	0.2	2.5	0.16	0.17
01:10	1.06	0.2	2.5	0.17	0.18
01:15	1.15	0.2	2.5	0.19	0.20
01:20	1.24	0.2	2.5	0.21	0.22
01:25	1.33	0.2	2.5	0.23	0.24
01:30	1.41	0.2	2.5	0.24	0.25
01:35	1.50	0.2	2.5	0.26	0.27
01:40	1.59	0.2	2.5	0.28	0.29
01:45	1.68	0.2	2.5	0.30	0.30
01:50	1.77	0.2	2.5	0.31	0.32
01:55	1.86	0.2	2.5	0.33	0.34
02:00	1.95	0.2	2.8	0.35	0.36
02:05	2.04	0.2	2.6	0.37	0.38
02:10	2.12	0.2	2.9	0.39	0.40
02:15	2.21	0.2	2.9	0.41	0.42
02:20	2.30	0.2	3.0	0.43	0.44
02:25	2.39	0.2	3.0	0.45	0.46
02:30	2.47	0.2	3.0	0.47	0.48
02:35	2.56	0.2	3.0	0.49	0.50
02:40	2.65	0.2	3.0	0.51	0.52
02:45	2.74	0.2	3.3	0.53	0.54
02:50	2.84	0.2	3.4	0.55	0.57
02:55	2.95	0.2	3.4	0.58	0.59
03:00	3.04	0.3	3.4	0.60	0.61
03:05	3.11	0.3	3.4	0.62	0.64
03:10	3.17	0.3	3.7	0.64	0.66
03:15	3.21	0.3	3.8	0.65	0.69
03:20	3.24	0.3	3.8	0.66	0.71
03:25	3.27	0.3	4.2	0.66	0.74
03:30	3.29	0.3	4.6	0.67	0.77
03:35	3.31	0.3	5.0	0.67	0.81
03:40	3.33	0.3	5.1	0.68	0.84
03:45	3.34	0.3	5.5	0.68	0.88
03:50	3.36	0.3	5.6	0.69	0.92
03:55	3.37	0.3	5.9	0.69	0.96
04:00	3.38	0.3	6.0	0.69	1.00
04:05	3.39	0.3	6.4	0.70	1.05
04:10	3.41	0.3	6.8	0.70	1.09
04:15	3.42	0.3	7.2	0.70	1.14
04:20	3.44	0.3	7.7	0.71	1.20
04:25	3.46	0.3	8.1	0.71	1.25
04:30	3.47	0.3	8.2	0.72	1.31
04:35	3.48	0.3	8.6	0.72	1.37
04:40	3.50	0.3	9.0	0.72	1.43
04:45	3.51	0.3	9.5	0.73	1.50
04:50	3.53	0.3	9.6	0.73	1.56
04:55	3.54	0.3	9.9	0.73	1.63
05:00	3.55	0.3	10.4	0.74	1.70
05:05	3.58	0.3	12.1	0.75	1.79
05:10	3.63	0.3	14.2	0.76	1.88
05:15	3.68	0.3	15.6	0.77	1.99
05:20	3.73	0.3	17.0	0.79	2.11
05:25	3.79	0.3	19.1	0.80	2.24

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.86	0.3	22.5	0.82	2.39
05:35	3.82	0.3	11.3	0.81	2.47
05:40	3.65	0.3	5.5	0.77	2.51
05:45	3.50	0.3	3.3	0.72	2.53
05:50	3.39	0.3	2.1	0.69	2.55
05:55	3.31	0.3	1.0	0.67	2.55
06:00	3.24	0.3	0.6	0.65	2.56
06:05	3.19	0.3	0.2	0.64	2.56
06:10	3.15	0.3	0.1	0.63	2.56
06:15	3.12	0.3	0.0	0.62	2.56
06:20	3.10	0.3	0.0	0.62	2.56
06:25	3.08	0.3	0.0	0.61	2.56
06:30	3.07	0.3	0.0	0.61	2.56
06:35	3.06	0.3	0.0	0.61	2.56
06:40	3.05	0.3	0.0	0.60	2.56
06:45	3.04	0.3	0.0	0.60	2.56
06:50	3.04	0.3	0.0	0.60	2.56
06:55	3.04	0.3	0.0	0.60	2.56
07:00	3.03	0.3	0.0	0.60	2.56
07:05	3.03	0.3	0.0	0.60	2.56
07:10	3.03	0.3	0.0	0.60	2.56
07:15	3.02	0.3	0.0	0.60	2.56
07:20	3.02	0.3	0.0	0.60	2.56
07:25	3.02	0.3	0.0	0.59	2.56
07:30	3.02	0.3	0.0	0.59	2.56
07:35	3.02	0.3	0.0	0.59	2.56
07:40	3.02	0.3	0.0	0.59	2.56
07:45	3.01	0.3	0.0	0.59	2.56
07:50	3.01	0.3	0.0	0.59	2.56
07:55	3.01	0.2	0.0	0.59	2.56
08:00	3.01	0.2	0.0	0.59	2.56
08:05	3.01	0.2	0.0	0.59	2.56
08:10	3.01	0.2	0.0	0.59	2.56
08:15	3.01	0.2	0.0	0.59	2.56
08:20	3.01	0.2	0.0	0.59	2.56
08:25	3.01	0.2	0.0	0.59	2.56
08:30	3.01	0.2	0.0	0.59	2.56
08:35	3.01	0.2	0.0	0.59	2.56
08:40	3.01	0.2	0.0	0.59	2.56
08:45	3.01	0.2	0.0	0.59	2.56
08:50	3.01	0.2	0.0	0.59	2.56
08:55	3.01	0.2	0.0	0.59	2.56
09:00	3.01	0.2	0.0	0.59	2.56
09:05	3.01	0.2	0.0	0.59	2.56
09:10	3.01	0.2	0.0	0.59	2.56
09:15	3.01	0.2	0.0	0.59	2.56
09:20	3.00	0.2	0.0	0.59	2.56
09:25	3.00	0.2	0.0	0.59	2.56
09:30	3.00	0.2	0.0	0.59	2.56
09:35	3.00	0.2	0.0	0.59	2.56
09:40	3.00	0.2	0.0	0.59	2.56
09:45	3.00	0.2	0.0	0.59	2.56
09:50	3.00	0.2	0.0	0.59	2.56
09:55	3.00	0.2	0.0	0.59	2.56
10:00	3.00	0.2	0.0	0.59	2.56
10:05	3.00	0.2	0.0	0.59	2.56
10:10	3.00	0.2	0.0	0.59	2.56
10:15	3.00	0.2	0.0	0.59	2.56
10:20	3.00	0.2	0.0	0.59	2.56
10:25	3.00	0.2	0.0	0.59	2.56
10:30	3.00	0.2	0.0	0.59	2.56
10:35	3.00	0.2	0.0	0.59	2.56

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.015	1.6	0.01
00:10	0.019	0.002	0.018	2.4	0.03
00:15	0.019	0.002	0.018	2.7	0.05
00:20	0.019	0.002	0.018	2.8	0.07
00:25	0.019	0.002	0.018	2.9	0.09
00:30	0.022	0.002	0.021	3.3	0.11
00:35	0.022	0.002	0.021	3.4	0.13
00:40	0.022	0.002	0.021	3.5	0.16
00:45	0.022	0.002	0.021	3.5	0.18
00:50	0.022	0.002	0.021	3.5	0.20
00:55	0.022	0.002	0.021	3.5	0.23
01:00	0.026	0.002	0.024	3.9	0.26
01:05	0.026	0.002	0.024	4.0	0.28
01:10	0.026	0.002	0.024	4.0	0.31
01:15	0.026	0.002	0.024	4.0	0.34
01:20	0.026	0.002	0.024	4.1	0.37
01:25	0.026	0.002	0.024	4.1	0.39
01:30	0.026	0.002	0.024	4.1	0.42
01:35	0.026	0.002	0.024	4.1	0.45
01:40	0.026	0.002	0.024	4.1	0.48
01:45	0.026	0.002	0.024	4.1	0.51
01:50	0.026	0.002	0.024	4.1	0.53
01:55	0.026	0.002	0.024	4.1	0.56
02:00	0.029	0.002	0.027	4.4	0.59
02:05	0.026	0.002	0.024	4.2	0.62
02:10	0.029	0.002	0.027	4.5	0.65
02:15	0.029	0.002	0.027	4.5	0.68
02:20	0.029	0.002	0.027	4.6	0.72
02:25	0.029	0.002	0.027	4.6	0.75
02:30	0.029	0.002	0.027	4.6	0.78
02:35	0.029	0.002	0.027	4.6	0.81
02:40	0.029	0.002	0.027	4.6	0.84
02:45	0.032	0.002	0.031	5.0	0.88
02:50	0.032	0.002	0.031	5.1	0.91
02:55	0.032	0.002	0.031	5.1	0.95
03:00	0.032	0.002	0.031	5.1	0.98
03:05	0.032	0.002	0.031	5.1	1.02
03:10	0.035	0.002	0.034	5.5	1.05
03:15	0.035	0.002	0.034	5.6	1.09
03:20	0.035	0.002	0.034	5.6	1.13
03:25	0.038	0.002	0.037	6.0	1.17
03:30	0.042	0.002	0.040	6.5	1.22
03:35	0.045	0.002	0.043	7.0	1.27
03:40	0.045	0.002	0.043	7.2	1.32
03:45	0.048	0.002	0.047	7.6	1.37
03:50	0.048	0.002	0.047	7.7	1.42
03:55	0.051	0.002	0.050	8.1	1.48
04:00	0.051	0.002	0.050	8.3	1.53
04:05	0.054	0.002	0.053	8.7	1.59
04:10	0.058	0.002	0.056	9.2	1.66
04:15	0.061	0.002	0.059	9.7	1.72
04:20	0.064	0.002	0.063	10.2	1.79
04:25	0.067	0.002	0.066	10.7	1.87
04:30	0.067	0.002	0.066	10.9	1.94
04:35	0.070	0.002	0.069	11.4	2.02
04:40	0.074	0.002	0.072	11.9	2.10
04:45	0.077	0.002	0.075	12.4	2.19
04:50	0.077	0.002	0.075	12.6	2.27
04:55	0.080	0.002	0.079	13.0	2.36
05:00	0.083	0.002	0.082	13.5	2.46
05:05	0.099	0.002	0.098	15.4	2.56
05:10	0.115	0.002	0.114	17.8	2.68
05:15	0.125	0.002	0.123	19.6	2.82
05:20	0.134	0.002	0.133	21.2	2.97
05:25	0.150	0.002	0.149	23.6	3.13

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.178	27.6	3.32
05:35	0.061	0.002	0.059	16.0	3.43
05:40	0.029	0.002	0.027	9.0	3.49
05:45	0.019	0.002	0.018	5.7	3.53
05:50	0.016	0.002	0.015	4.3	3.56
05:55	0.010	0.002	0.008	2.8	3.58
06:00	0.006	0.001	0.005	1.5	3.59
06:05	0.000	0.000	0.000	0.5	3.59
06:10	0.000	0.000	0.000	0.2	3.59
06:15	0.000	0.000	0.000	0.1	3.59
06:20	0.000	0.000	0.000	0.1	3.60
06:25	0.000	0.000	0.000	0.0	3.60
06:30	0.000	0.000	0.000	0.0	3.60
06:35	0.000	0.000	0.000	0.0	3.60
06:40	0.000	0.000	0.000	0.0	3.60
06:45	0.000	0.000	0.000	0.0	3.60
06:50	0.000	0.000	0.000	0.0	3.60
06:55	0.000	0.000	0.000	0.0	3.60
07:00	0.000	0.000	0.000	0.0	3.60
07:05	0.000	0.000	0.000	0.0	3.60
07:10	0.000	0.000	0.000	0.0	3.60
07:15	0.000	0.000	0.000	0.0	3.60
07:20	0.000	0.000	0.000	0.0	3.60
07:25	0.000	0.000	0.000	0.0	3.60
07:30	0.000	0.000	0.000	0.0	3.60
07:35	0.000	0.000	0.000	0.0	3.60
07:40	0.000	0.000	0.000	0.0	3.60
07:45	0.000	0.000	0.000	0.0	3.60
07:50	0.000	0.000	0.000	0.0	3.60
07:55	0.000	0.000	0.000	0.0	3.60
08:00	0.000	0.000	0.000	0.0	3.60
08:05	0.000	0.000	0.000	0.0	3.60
08:10	0.000	0.000	0.000	0.0	3.60
08:15	0.000	0.000	0.000	0.0	3.60
08:20	0.000	0.000	0.000	0.0	3.60
08:25	0.000	0.000	0.000	0.0	3.60
08:30	0.000	0.000	0.000	0.0	3.60
08:35	0.000	0.000	0.000	0.0	3.60
08:40	0.000	0.000	0.000	0.0	3.60
08:45	0.000	0.000	0.000	0.0	3.60
08:50	0.000	0.000	0.000	0.0	3.60
08:55	0.000	0.000	0.000	0.0	3.60
09:00	0.000	0.000	0.000	0.0	3.60
09:05	0.000	0.000	0.000	0.0	3.60
09:10	0.000	0.000	0.000	0.0	3.60
09:15	0.000	0.000	0.000	0.0	3.60
09:20	0.000	0.000	0.000	0.0	3.60
09:25	0.000	0.000	0.000	0.0	3.60
09:30	0.000	0.000	0.000	0.0	3.60
09:35	0.000	0.000	0.000	0.0	3.60
09:40	0.000	0.000	0.000	0.0	3.60
09:45	0.000	0.000	0.000	0.0	3.60
09:50	0.000	0.000	0.000	0.0	3.60
09:55	0.000	0.000	0.000	0.0	3.60
10:00	0.000	0.000	0.000	0.0	3.60
10:05	0.000	0.000	0.000	0.0	3.60
10:10	0.000	0.000	0.000	0.0	3.60
10:15	0.000	0.000	0.000	0.0	3.60
10:20	0.000	0.000	0.000	0.0	3.60
10:25	0.000	0.000	0.000	0.0	3.60
10:30	0.000	0.000	0.000	0.0	3.60
10:35	0.000	0.000	0.000	0.0	3.60

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.6	1.6	0.01	0.01
00:10	0.03	0.6	2.4	0.02	0.03
00:15	0.06	0.6	2.7	0.04	0.05
00:20	0.09	0.6	2.8	0.06	0.07
00:25	0.12	0.6	2.9	0.08	0.09
00:30	0.15	0.6	3.3	0.10	0.11
00:35	0.19	0.6	3.4	0.12	0.13
00:40	0.23	0.6	3.5	0.14	0.16
00:45	0.26	0.6	3.5	0.17	0.18
00:50	0.30	0.6	3.5	0.19	0.20
00:55	0.34	0.6	3.5	0.22	0.23
01:00	0.38	0.6	3.9	0.24	0.26
01:05	0.42	0.6	4.0	0.27	0.28
01:10	0.46	0.6	4.0	0.30	0.31
01:15	0.51	0.6	4.0	0.32	0.34
01:20	0.55	0.6	4.1	0.35	0.37
01:25	0.59	0.6	4.1	0.38	0.39
01:30	0.64	0.6	4.1	0.41	0.42
01:35	0.68	0.7	4.1	0.44	0.45
01:40	0.73	0.7	4.1	0.46	0.48
01:45	0.77	0.7	4.1	0.49	0.51
01:50	0.81	0.7	4.1	0.52	0.53
01:55	0.86	0.7	4.1	0.55	0.56
02:00	0.90	0.7	4.4	0.58	0.59
02:05	0.95	0.7	4.2	0.61	0.62
02:10	1.00	0.7	4.5	0.64	0.65
02:15	1.04	0.7	4.5	0.67	0.68
02:20	1.08	0.7	4.6	0.70	0.72
02:25	1.13	0.7	4.6	0.73	0.75
02:30	1.17	0.7	4.6	0.76	0.78
02:35	1.22	0.7	4.6	0.79	0.81
02:40	1.26	0.7	4.6	0.83	0.84
02:45	1.31	0.7	5.0	0.86	0.88
02:50	1.36	0.7	5.1	0.89	0.91
02:55	1.41	0.7	5.1	0.93	0.95
03:00	1.46	0.7	5.1	0.96	0.98
03:05	1.51	0.7	5.1	1.00	1.02
03:10	1.56	0.7	5.5	1.04	1.05
03:15	1.62	0.7	5.6	1.07	1.09
03:20	1.67	0.7	5.6	1.11	1.13
03:25	1.73	0.7	6.0	1.15	1.17
03:30	1.79	0.7	6.5	1.20	1.22
03:35	1.86	0.7	7.0	1.24	1.27
03:40	1.93	0.7	7.2	1.29	1.32
03:45	2.00	0.7	7.6	1.34	1.37
03:50	2.07	0.7	7.7	1.39	1.42
03:55	2.14	0.7	8.1	1.45	1.48
04:00	2.21	0.7	8.3	1.51	1.53
04:05	2.29	0.8	8.7	1.56	1.59
04:10	2.37	0.8	9.2	1.63	1.66
04:15	2.45	0.8	9.7	1.69	1.72
04:20	2.54	0.8	10.2	1.76	1.79
04:25	2.64	0.8	10.7	1.83	1.87
04:30	2.73	0.8	10.9	1.91	1.94
04:35	2.83	0.8	11.4	1.98	2.02
04:40	2.94	0.8	11.9	2.06	2.10
04:45	3.04	0.8	12.4	2.14	2.19
04:50	3.14	0.8	12.6	2.23	2.27
04:55	3.22	0.8	13.0	2.30	2.36
05:00	3.30	0.8	13.5	2.36	2.46
05:05	3.38	0.8	15.4	2.43	2.56
05:10	3.45	0.8	17.8	2.49	2.68
05:15	3.53	0.8	19.6	2.55	2.82
05:20	3.60	0.8	21.2	2.62	2.97
05:25	3.67	0.8	23.6	2.67	3.13

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.75	0.9	27.6	2.74	3.32
05:35	3.78	0.9	16.0	2.76	3.43
05:40	3.74	0.9	9.0	2.73	3.49
05:45	3.67	0.8	5.7	2.67	3.53
05:50	3.60	0.8	4.3	2.61	3.56
05:55	3.53	0.8	2.8	2.56	3.58
06:00	3.47	0.8	1.5	2.50	3.59
06:05	3.41	0.8	0.5	2.46	3.59
06:10	3.36	0.8	0.2	2.42	3.59
06:15	3.32	0.8	0.1	2.38	3.59
06:20	3.28	0.8	0.1	2.35	3.60
06:25	3.25	0.8	0.0	2.32	3.60
06:30	3.23	0.8	0.0	2.30	3.60
06:35	3.21	0.8	0.0	2.28	3.60
06:40	3.19	0.8	0.0	2.27	3.60
06:45	3.17	0.8	0.0	2.25	3.60
06:50	3.16	0.8	0.0	2.24	3.60
06:55	3.14	0.8	0.0	2.23	3.60
07:00	3.13	0.8	0.0	2.22	3.60
07:05	3.12	0.8	0.0	2.21	3.60
07:10	3.11	0.8	0.0	2.20	3.60
07:15	3.10	0.8	0.0	2.20	3.60
07:20	3.10	0.8	0.0	2.19	3.60
07:25	3.09	0.8	0.0	2.19	3.60
07:30	3.09	0.8	0.0	2.18	3.60
07:35	3.08	0.8	0.0	2.18	3.60
07:40	3.08	0.8	0.0	2.17	3.60
07:45	3.07	0.8	0.0	2.17	3.60
07:50	3.07	0.8	0.0	2.17	3.60
07:55	3.06	0.8	0.0	2.16	3.60
08:00	3.06	0.8	0.0	2.16	3.60
08:05	3.06	0.8	0.0	2.16	3.60
08:10	3.05	0.8	0.0	2.16	3.60
08:15	3.05	0.8	0.0	2.15	3.60
08:20	3.05	0.8	0.0	2.15	3.60
08:25	3.05	0.8	0.0	2.15	3.60
08:30	3.04	0.8	0.0	2.15	3.60
08:35	3.04	0.8	0.0	2.15	3.60
08:40	3.04	0.8	0.0	2.14	3.60
08:45	3.04	0.8	0.0	2.14	3.60
08:50	3.04	0.8	0.0	2.14	3.60
08:55	3.04	0.8	0.0	2.14	3.60
09:00	3.03	0.8	0.0	2.14	3.60
09:05	3.03	0.8	0.0	2.14	3.60
09:10	3.03	0.8	0.0	2.14	3.60
09:15	3.03	0.8	0.0	2.14	3.60
09:20	3.03	0.8	0.0	2.14	3.60
09:25	3.03	0.8	0.0	2.13	3.60
09:30	3.03	0.8	0.0	2.13	3.60
09:35	3.03	0.8	0.0	2.13	3.60
09:40	3.03	0.8	0.0	2.13	3.60
09:45	3.02	0.8	0.0	2.13	3.60
09:50	3.02	0.8	0.0	2.13	3.60
09:55	3.02	0.8	0.0	2.13	3.60
10:00	3.02	0.8	0.0	2.13	3.60
10:05	3.02	0.8	0.0	2.13	3.60
10:10	3.02	0.8	0.0	2.13	3.60
10:15	3.02	0.8	0.0	2.13	3.60
10:20	3.02	0.8	0.0	2.13	3.60
10:25	3.02	0.8	0.0	2.13	3.60
10:30	3.02	0.8	0.0	2.13	3.60
10:35	3.02	0.8	0.0	2.13	3.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	0.3	0.00
00:10	0.019	0.008	0.012	0.6	0.01
00:15	0.019	0.008	0.012	0.6	0.01
00:20	0.019	0.008	0.012	0.7	0.02
00:25	0.019	0.008	0.012	0.7	0.02
00:30	0.022	0.008	0.015	0.8	0.03
00:35	0.022	0.008	0.015	0.9	0.03
00:40	0.022	0.008	0.015	0.9	0.04
00:45	0.022	0.008	0.015	0.9	0.04
00:50	0.022	0.008	0.015	0.9	0.05
00:55	0.022	0.008	0.015	0.9	0.06
01:00	0.026	0.008	0.018	1.1	0.06
01:05	0.026	0.008	0.018	1.1	0.07
01:10	0.026	0.008	0.018	1.1	0.08
01:15	0.026	0.008	0.018	1.1	0.09
01:20	0.026	0.008	0.018	1.1	0.10
01:25	0.026	0.008	0.018	1.1	0.10
01:30	0.026	0.008	0.018	1.1	0.11
01:35	0.026	0.008	0.018	1.1	0.12
01:40	0.026	0.008	0.018	1.1	0.13
01:45	0.026	0.008	0.018	1.1	0.13
01:50	0.026	0.008	0.018	1.1	0.14
01:55	0.026	0.008	0.018	1.1	0.15
02:00	0.029	0.008	0.021	1.3	0.16
02:05	0.026	0.008	0.018	1.2	0.17
02:10	0.029	0.008	0.021	1.3	0.18
02:15	0.029	0.008	0.021	1.3	0.18
02:20	0.029	0.008	0.021	1.3	0.19
02:25	0.029	0.008	0.021	1.3	0.20
02:30	0.029	0.008	0.021	1.3	0.21
02:35	0.029	0.008	0.021	1.3	0.22
02:40	0.029	0.008	0.021	1.3	0.23
02:45	0.032	0.008	0.025	1.5	0.24
02:50	0.032	0.008	0.025	1.5	0.25
02:55	0.032	0.008	0.025	1.5	0.26
03:00	0.032	0.008	0.025	1.5	0.27
03:05	0.032	0.008	0.025	1.5	0.28
03:10	0.035	0.008	0.028	1.7	0.29
03:15	0.035	0.008	0.028	1.7	0.31
03:20	0.035	0.008	0.028	1.7	0.32
03:25	0.038	0.008	0.031	1.8	0.33
03:30	0.042	0.008	0.034	2.0	0.34
03:35	0.045	0.008	0.037	2.2	0.36
03:40	0.045	0.008	0.037	2.3	0.37
03:45	0.048	0.008	0.041	2.4	0.39
03:50	0.048	0.008	0.041	2.5	0.41
03:55	0.051	0.008	0.044	2.6	0.43
04:00	0.051	0.008	0.044	2.7	0.45
04:05	0.054	0.008	0.047	2.8	0.46
04:10	0.058	0.008	0.050	3.0	0.49
04:15	0.061	0.008	0.053	3.2	0.51
04:20	0.064	0.008	0.057	3.4	0.53
04:25	0.067	0.008	0.060	3.6	0.56
04:30	0.067	0.008	0.060	3.7	0.58
04:35	0.070	0.008	0.063	3.8	0.61
04:40	0.074	0.008	0.066	4.0	0.63
04:45	0.077	0.008	0.069	4.2	0.66
04:50	0.077	0.008	0.069	4.3	0.69
04:55	0.080	0.008	0.073	4.4	0.72
05:00	0.083	0.008	0.076	4.6	0.76
05:05	0.099	0.008	0.092	5.3	0.79
05:10	0.115	0.008	0.108	6.1	0.83
05:15	0.125	0.008	0.117	6.8	0.88
05:20	0.134	0.008	0.127	7.4	0.93
05:25	0.150	0.008	0.143	8.3	0.99

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	9.7	1.06
05:35	0.061	0.008	0.053	5.8	1.10
05:40	0.029	0.008	0.021	3.2	1.12
05:45	0.019	0.008	0.012	1.9	1.13
05:50	0.016	0.008	0.009	1.3	1.14
05:55	0.010	0.005	0.005	0.9	1.15
06:00	0.006	0.003	0.003	0.5	1.15
06:05	0.000	0.000	0.000	0.2	1.15
06:10	0.000	0.000	0.000	0.1	1.15
06:15	0.000	0.000	0.000	0.0	1.15
06:20	0.000	0.000	0.000	0.0	1.15
06:25	0.000	0.000	0.000	0.0	1.15
06:30	0.000	0.000	0.000	0.0	1.15
06:35	0.000	0.000	0.000	0.0	1.15
06:40	0.000	0.000	0.000	0.0	1.15
06:45	0.000	0.000	0.000	0.0	1.15
06:50	0.000	0.000	0.000	0.0	1.15
06:55	0.000	0.000	0.000	0.0	1.15
07:00	0.000	0.000	0.000	0.0	1.15
07:05	0.000	0.000	0.000	0.0	1.15
07:10	0.000	0.000	0.000	0.0	1.15
07:15	0.000	0.000	0.000	0.0	1.15
07:20	0.000	0.000	0.000	0.0	1.15
07:25	0.000	0.000	0.000	0.0	1.15
07:30	0.000	0.000	0.000	0.0	1.15
07:35	0.000	0.000	0.000	0.0	1.15
07:40	0.000	0.000	0.000	0.0	1.15
07:45	0.000	0.000	0.000	0.0	1.15
07:50	0.000	0.000	0.000	0.0	1.15
07:55	0.000	0.000	0.000	0.0	1.15
08:00	0.000	0.000	0.000	0.0	1.15
08:05	0.000	0.000	0.000	0.0	1.15
08:10	0.000	0.000	0.000	0.0	1.15
08:15	0.000	0.000	0.000	0.0	1.15
08:20	0.000	0.000	0.000	0.0	1.15
08:25	0.000	0.000	0.000	0.0	1.15
08:30	0.000	0.000	0.000	0.0	1.15
08:35	0.000	0.000	0.000	0.0	1.15
08:40	0.000	0.000	0.000	0.0	1.15
08:45	0.000	0.000	0.000	0.0	1.15
08:50	0.000	0.000	0.000	0.0	1.15
08:55	0.000	0.000	0.000	0.0	1.15
09:00	0.000	0.000	0.000	0.0	1.15
09:05	0.000	0.000	0.000	0.0	1.15
09:10	0.000	0.000	0.000	0.0	1.15
09:15	0.000	0.000	0.000	0.0	1.15
09:20	0.000	0.000	0.000	0.0	1.15
09:25	0.000	0.000	0.000	0.0	1.15
09:30	0.000	0.000	0.000	0.0	1.15
09:35	0.000	0.000	0.000	0.0	1.15
09:40	0.000	0.000	0.000	0.0	1.15
09:45	0.000	0.000	0.000	0.0	1.15
09:50	0.000	0.000	0.000	0.0	1.15
09:55	0.000	0.000	0.000	0.0	1.15
10:00	0.000	0.000	0.000	0.0	1.15
10:05	0.000	0.000	0.000	0.0	1.15
10:10	0.000	0.000	0.000	0.0	1.15
10:15	0.000	0.000	0.000	0.0	1.15
10:20	0.000	0.000	0.000	0.0	1.15
10:25	0.000	0.000	0.000	0.0	1.15
10:30	0.000	0.000	0.000	0.0	1.15
10:35	0.000	0.000	0.000	0.0	1.15

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.2	0.3	0.00	0.00
00:10	0.02	0.2	0.6	0.00	0.01
00:15	0.04	0.2	0.6	0.01	0.01
00:20	0.07	0.2	0.7	0.01	0.02
00:25	0.09	0.2	0.7	0.02	0.02
00:30	0.12	0.2	0.8	0.02	0.03
00:35	0.15	0.2	0.9	0.03	0.03
00:40	0.19	0.2	0.9	0.04	0.04
00:45	0.22	0.2	0.9	0.04	0.04
00:50	0.25	0.2	0.9	0.05	0.05
00:55	0.29	0.2	0.9	0.05	0.06
01:00	0.33	0.2	1.1	0.06	0.06
01:05	0.37	0.2	1.1	0.07	0.07
01:10	0.41	0.2	1.1	0.08	0.08
01:15	0.45	0.2	1.1	0.08	0.09
01:20	0.49	0.2	1.1	0.09	0.10
01:25	0.53	0.2	1.1	0.10	0.10
01:30	0.57	0.2	1.1	0.11	0.11
01:35	0.61	0.2	1.1	0.12	0.12
01:40	0.65	0.2	1.1	0.12	0.13
01:45	0.70	0.2	1.1	0.13	0.13
01:50	0.74	0.2	1.1	0.14	0.14
01:55	0.78	0.2	1.1	0.15	0.15
02:00	0.82	0.2	1.3	0.15	0.16
02:05	0.87	0.2	1.2	0.16	0.17
02:10	0.91	0.2	1.3	0.17	0.18
02:15	0.96	0.2	1.3	0.18	0.18
02:20	1.01	0.2	1.3	0.19	0.19
02:25	1.05	0.2	1.3	0.20	0.20
02:30	1.09	0.2	1.3	0.21	0.21
02:35	1.13	0.2	1.3	0.22	0.22
02:40	1.17	0.2	1.3	0.23	0.23
02:45	1.22	0.2	1.5	0.24	0.24
02:50	1.26	0.2	1.5	0.25	0.25
02:55	1.31	0.2	1.5	0.26	0.26
03:00	1.36	0.2	1.5	0.27	0.27
03:05	1.40	0.2	1.5	0.28	0.28
03:10	1.45	0.2	1.7	0.29	0.29
03:15	1.50	0.2	1.7	0.30	0.31
03:20	1.56	0.2	1.7	0.31	0.32
03:25	1.61	0.2	1.8	0.32	0.33
03:30	1.67	0.2	2.0	0.34	0.34
03:35	1.74	0.2	2.2	0.35	0.36
03:40	1.81	0.2	2.3	0.37	0.37
03:45	1.88	0.2	2.4	0.38	0.39
03:50	1.95	0.2	2.5	0.40	0.41
03:55	2.03	0.2	2.6	0.42	0.43
04:00	2.10	0.2	2.7	0.44	0.45
04:05	2.17	0.2	2.8	0.45	0.46
04:10	2.25	0.3	3.0	0.48	0.49
04:15	2.33	0.3	3.2	0.50	0.51
04:20	2.42	0.3	3.4	0.52	0.53
04:25	2.51	0.3	3.6	0.54	0.56
04:30	2.61	0.3	3.7	0.57	0.58
04:35	2.71	0.3	3.8	0.59	0.61
04:40	2.81	0.3	4.0	0.62	0.63
04:45	2.92	0.3	4.2	0.65	0.66
04:50	3.03	0.3	4.3	0.68	0.69
04:55	3.11	0.3	4.4	0.70	0.72
05:00	3.18	0.3	4.6	0.72	0.76
05:05	3.24	0.3	5.3	0.74	0.79
05:10	3.28	0.3	6.1	0.76	0.83
05:15	3.33	0.3	6.8	0.77	0.88
05:20	3.36	0.3	7.4	0.78	0.93
05:25	3.40	0.3	8.3	0.79	0.99

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.44	0.3	9.7	0.80	1.06
05:35	3.44	0.3	5.8	0.80	1.10
05:40	3.38	0.3	3.2	0.78	1.12
05:45	3.31	0.3	1.9	0.76	1.13
05:50	3.26	0.3	1.3	0.75	1.14
05:55	3.21	0.3	0.9	0.73	1.15
06:00	3.18	0.3	0.5	0.72	1.15
06:05	3.14	0.3	0.2	0.71	1.15
06:10	3.12	0.3	0.1	0.71	1.15
06:15	3.10	0.3	0.0	0.70	1.15
06:20	3.08	0.3	0.0	0.69	1.15
06:25	3.07	0.3	0.0	0.69	1.15
06:30	3.06	0.3	0.0	0.69	1.15
06:35	3.05	0.3	0.0	0.69	1.15
06:40	3.04	0.3	0.0	0.68	1.15
06:45	3.04	0.3	0.0	0.68	1.15
06:50	3.03	0.3	0.0	0.68	1.15
06:55	3.03	0.3	0.0	0.68	1.15
07:00	3.03	0.3	0.0	0.68	1.15
07:05	3.03	0.3	0.0	0.68	1.15
07:10	3.02	0.3	0.0	0.68	1.15
07:15	3.02	0.3	0.0	0.68	1.15
07:20	3.02	0.3	0.0	0.68	1.15
07:25	3.02	0.3	0.0	0.68	1.15
07:30	3.02	0.3	0.0	0.67	1.15
07:35	3.02	0.3	0.0	0.67	1.15
07:40	3.01	0.3	0.0	0.67	1.15
07:45	3.01	0.3	0.0	0.67	1.15
07:50	3.01	0.3	0.0	0.67	1.15
07:55	3.01	0.3	0.0	0.67	1.15
08:00	3.01	0.3	0.0	0.67	1.15
08:05	3.01	0.3	0.0	0.67	1.15
08:10	3.01	0.3	0.0	0.67	1.15
08:15	3.01	0.3	0.0	0.67	1.15
08:20	3.01	0.3	0.0	0.67	1.15
08:25	3.01	0.3	0.0	0.67	1.15
08:30	3.01	0.3	0.0	0.67	1.15
08:35	3.01	0.3	0.0	0.67	1.15
08:40	3.01	0.3	0.0	0.67	1.15
08:45	3.01	0.3	0.0	0.67	1.15
08:50	3.01	0.3	0.0	0.67	1.15
08:55	3.01	0.3	0.0	0.67	1.15
09:00	3.01	0.3	0.0	0.67	1.15
09:05	3.01	0.3	0.0	0.67	1.15
09:10	3.01	0.3	0.0	0.67	1.15
09:15	3.00	0.3	0.0	0.67	1.15
09:20	3.00	0.3	0.0	0.67	1.15
09:25	3.00	0.3	0.0	0.67	1.15
09:30	3.00	0.3	0.0	0.67	1.15
09:35	3.00	0.3	0.0	0.67	1.15
09:40	3.00	0.3	0.0	0.67	1.15
09:45	3.00	0.3	0.0	0.67	1.15
09:50	3.00	0.3	0.0	0.67	1.15
09:55	3.00	0.3	0.0	0.67	1.15
10:00	3.00	0.3	0.0	0.67	1.15
10:05	3.00	0.3	0.0	0.67	1.15
10:10	3.00	0.3	0.0	0.67	1.15
10:15	3.00	0.3	0.0	0.67	1.15
10:20	3.00	0.3	0.0	0.67	1.15
10:25	3.00	0.3	0.0	0.67	1.15
10:30	3.00	0.3	0.0	0.67	1.15
10:35	3.00	0.3	0.0	0.67	1.15

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.031	0.001	0.1	0.00
02:50	0.032	0.031	0.001	0.1	0.00
02:55	0.032	0.031	0.001	0.1	0.00
03:00	0.032	0.031	0.001	0.1	0.00
03:05	0.032	0.031	0.001	0.1	0.00
03:10	0.035	0.031	0.004	0.3	0.01
03:15	0.035	0.031	0.004	0.4	0.01
03:20	0.035	0.031	0.004	0.4	0.01
03:25	0.038	0.031	0.008	0.6	0.01
03:30	0.042	0.031	0.011	0.9	0.02
03:35	0.045	0.031	0.014	1.2	0.03
03:40	0.045	0.031	0.014	1.3	0.04
03:45	0.048	0.031	0.017	1.5	0.05
03:50	0.048	0.031	0.017	1.7	0.06
03:55	0.051	0.031	0.020	1.9	0.07
04:00	0.051	0.031	0.020	2.0	0.09
04:05	0.054	0.031	0.024	2.3	0.10
04:10	0.058	0.031	0.027	2.6	0.12
04:15	0.061	0.031	0.030	2.9	0.14
04:20	0.064	0.031	0.033	3.2	0.16
04:25	0.067	0.031	0.036	3.5	0.19
04:30	0.067	0.031	0.036	3.7	0.21
04:35	0.070	0.031	0.040	3.9	0.24
04:40	0.074	0.031	0.043	4.3	0.27
04:45	0.077	0.031	0.046	4.6	0.30
04:50	0.077	0.031	0.046	4.8	0.33
04:55	0.080	0.031	0.049	5.0	0.37
05:00	0.083	0.031	0.052	5.3	0.40
05:05	0.099	0.031	0.068	6.2	0.45
05:10	0.115	0.031	0.084	7.6	0.50
05:15	0.125	0.031	0.094	8.8	0.56
05:20	0.134	0.031	0.104	9.9	0.63
05:25	0.150	0.031	0.120	11.2	0.70

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.031	0.148	13.3	0.80
05:35	0.061	0.031	0.030	9.1	0.86
05:40	0.029	0.029	0.000	4.3	0.89
05:45	0.019	0.019	0.000	2.3	0.90
05:50	0.016	0.016	0.000	1.3	0.91
05:55	0.010	0.010	0.000	1.0	0.92
06:00	0.006	0.006	0.000	0.8	0.93
06:05	0.000	0.000	0.000	0.6	0.93
06:10	0.000	0.000	0.000	0.4	0.93
06:15	0.000	0.000	0.000	0.1	0.93
06:20	0.000	0.000	0.000	0.0	0.93
06:25	0.000	0.000	0.000	0.0	0.93
06:30	0.000	0.000	0.000	0.0	0.93
06:35	0.000	0.000	0.000	0.0	0.93
06:40	0.000	0.000	0.000	0.0	0.93
06:45	0.000	0.000	0.000	0.0	0.93
06:50	0.000	0.000	0.000	0.0	0.93
06:55	0.000	0.000	0.000	0.0	0.93
07:00	0.000	0.000	0.000	0.0	0.93
07:05	0.000	0.000	0.000	0.0	0.93
07:10	0.000	0.000	0.000	0.0	0.93
07:15	0.000	0.000	0.000	0.0	0.93
07:20	0.000	0.000	0.000	0.0	0.93
07:25	0.000	0.000	0.000	0.0	0.93
07:30	0.000	0.000	0.000	0.0	0.93
07:35	0.000	0.000	0.000	0.0	0.93
07:40	0.000	0.000	0.000	0.0	0.93
07:45	0.000	0.000	0.000	0.0	0.93
07:50	0.000	0.000	0.000	0.0	0.93
07:55	0.000	0.000	0.000	0.0	0.93
08:00	0.000	0.000	0.000	0.0	0.93
08:05	0.000	0.000	0.000	0.0	0.93
08:10	0.000	0.000	0.000	0.0	0.93
08:15	0.000	0.000	0.000	0.0	0.93
08:20	0.000	0.000	0.000	0.0	0.93
08:25	0.000	0.000	0.000	0.0	0.93
08:30	0.000	0.000	0.000	0.0	0.93
08:35	0.000	0.000	0.000	0.0	0.93
08:40	0.000	0.000	0.000	0.0	0.93
08:45	0.000	0.000	0.000	0.0	0.93
08:50	0.000	0.000	0.000	0.0	0.93
08:55	0.000	0.000	0.000	0.0	0.93
09:00	0.000	0.000	0.000	0.0	0.93
09:05	0.000	0.000	0.000	0.0	0.93
09:10	0.000	0.000	0.000	0.0	0.93
09:15	0.000	0.000	0.000	0.0	0.93
09:20	0.000	0.000	0.000	0.0	0.93
09:25	0.000	0.000	0.000	0.0	0.93
09:30	0.000	0.000	0.000	0.0	0.93
09:35	0.000	0.000	0.000	0.0	0.93
09:40	0.000	0.000	0.000	0.0	0.93
09:45	0.000	0.000	0.000	0.0	0.93
09:50	0.000	0.000	0.000	0.0	0.93
09:55	0.000	0.000	0.000	0.0	0.93
10:00	0.000	0.000	0.000	0.0	0.93
10:05	0.000	0.000	0.000	0.0	0.93
10:10	0.000	0.000	0.000	0.0	0.93
10:15	0.000	0.000	0.000	0.0	0.93
10:20	0.000	0.000	0.000	0.0	0.93
10:25	0.000	0.000	0.000	0.0	0.93
10:30	0.000	0.000	0.000	0.0	0.93
10:35	0.000	0.000	0.000	0.0	0.93

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.4	0.00
00:10	0.019	0.002	0.017	0.8	0.01
00:15	0.019	0.002	0.017	0.9	0.01
00:20	0.019	0.002	0.017	1.0	0.02
00:25	0.019	0.002	0.017	1.0	0.03
00:30	0.022	0.002	0.020	1.1	0.04
00:35	0.022	0.002	0.020	1.2	0.04
00:40	0.022	0.002	0.020	1.2	0.05
00:45	0.022	0.002	0.020	1.2	0.06
00:50	0.022	0.002	0.020	1.2	0.07
00:55	0.022	0.002	0.020	1.2	0.08
01:00	0.026	0.002	0.023	1.3	0.09
01:05	0.026	0.002	0.023	1.4	0.10
01:10	0.026	0.002	0.023	1.4	0.11
01:15	0.026	0.002	0.023	1.4	0.12
01:20	0.026	0.002	0.023	1.4	0.13
01:25	0.026	0.002	0.023	1.4	0.14
01:30	0.026	0.002	0.023	1.4	0.15
01:35	0.026	0.002	0.023	1.4	0.16
01:40	0.026	0.002	0.023	1.4	0.17
01:45	0.026	0.002	0.023	1.4	0.18
01:50	0.026	0.002	0.023	1.4	0.19
01:55	0.026	0.002	0.023	1.4	0.20
02:00	0.029	0.002	0.027	1.5	0.21
02:05	0.026	0.002	0.023	1.5	0.22
02:10	0.029	0.002	0.027	1.6	0.23
02:15	0.029	0.002	0.027	1.6	0.24
02:20	0.029	0.002	0.027	1.6	0.25
02:25	0.029	0.002	0.027	1.6	0.26
02:30	0.029	0.002	0.027	1.6	0.27
02:35	0.029	0.002	0.027	1.6	0.28
02:40	0.029	0.002	0.027	1.6	0.29
02:45	0.032	0.002	0.030	1.7	0.31
02:50	0.032	0.002	0.030	1.8	0.32
02:55	0.032	0.002	0.030	1.8	0.33
03:00	0.032	0.002	0.030	1.8	0.34
03:05	0.032	0.002	0.030	1.8	0.36
03:10	0.035	0.002	0.033	1.9	0.37
03:15	0.035	0.002	0.033	2.0	0.38
03:20	0.035	0.002	0.033	2.0	0.40
03:25	0.038	0.002	0.036	2.1	0.41
03:30	0.042	0.002	0.039	2.3	0.43
03:35	0.045	0.002	0.043	2.5	0.44
03:40	0.045	0.002	0.043	2.5	0.46
03:45	0.048	0.002	0.046	2.7	0.48
03:50	0.048	0.002	0.046	2.8	0.50
03:55	0.051	0.002	0.049	2.9	0.52
04:00	0.051	0.002	0.049	3.0	0.54
04:05	0.054	0.002	0.052	3.1	0.56
04:10	0.058	0.002	0.055	3.3	0.58
04:15	0.061	0.002	0.059	3.4	0.61
04:20	0.064	0.002	0.062	3.6	0.63
04:25	0.067	0.002	0.065	3.8	0.66
04:30	0.067	0.002	0.065	3.9	0.69
04:35	0.070	0.002	0.068	4.1	0.71
04:40	0.074	0.002	0.071	4.2	0.74
04:45	0.077	0.002	0.075	4.4	0.77
04:50	0.077	0.002	0.075	4.5	0.80
04:55	0.080	0.002	0.078	4.7	0.84
05:00	0.083	0.002	0.081	4.8	0.87
05:05	0.099	0.002	0.097	5.4	0.91
05:10	0.115	0.002	0.113	6.2	0.95
05:15	0.125	0.002	0.123	6.9	1.00
05:20	0.134	0.002	0.132	7.5	1.05
05:25	0.150	0.002	0.148	8.3	1.11

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	9.6	1.17
05:35	0.061	0.002	0.059	6.6	1.22
05:40	0.029	0.002	0.027	3.8	1.24
05:45	0.019	0.002	0.017	2.5	1.26
05:50	0.016	0.002	0.014	1.8	1.27
05:55	0.010	0.002	0.007	1.3	1.28
06:00	0.006	0.002	0.004	0.9	1.29
06:05	0.000	0.000	0.000	0.5	1.29
06:10	0.000	0.000	0.000	0.2	1.29
06:15	0.000	0.000	0.000	0.1	1.29
06:20	0.000	0.000	0.000	0.1	1.30
06:25	0.000	0.000	0.000	0.0	1.30
06:30	0.000	0.000	0.000	0.0	1.30
06:35	0.000	0.000	0.000	0.0	1.30
06:40	0.000	0.000	0.000	0.0	1.30
06:45	0.000	0.000	0.000	0.0	1.30
06:50	0.000	0.000	0.000	0.0	1.30
06:55	0.000	0.000	0.000	0.0	1.30
07:00	0.000	0.000	0.000	0.0	1.30
07:05	0.000	0.000	0.000	0.0	1.30
07:10	0.000	0.000	0.000	0.0	1.30
07:15	0.000	0.000	0.000	0.0	1.30
07:20	0.000	0.000	0.000	0.0	1.30
07:25	0.000	0.000	0.000	0.0	1.30
07:30	0.000	0.000	0.000	0.0	1.30
07:35	0.000	0.000	0.000	0.0	1.30
07:40	0.000	0.000	0.000	0.0	1.30
07:45	0.000	0.000	0.000	0.0	1.30
07:50	0.000	0.000	0.000	0.0	1.30
07:55	0.000	0.000	0.000	0.0	1.30
08:00	0.000	0.000	0.000	0.0	1.30
08:05	0.000	0.000	0.000	0.0	1.30
08:10	0.000	0.000	0.000	0.0	1.30
08:15	0.000	0.000	0.000	0.0	1.30
08:20	0.000	0.000	0.000	0.0	1.30
08:25	0.000	0.000	0.000	0.0	1.30
08:30	0.000	0.000	0.000	0.0	1.30
08:35	0.000	0.000	0.000	0.0	1.30
08:40	0.000	0.000	0.000	0.0	1.30
08:45	0.000	0.000	0.000	0.0	1.30
08:50	0.000	0.000	0.000	0.0	1.30
08:55	0.000	0.000	0.000	0.0	1.30
09:00	0.000	0.000	0.000	0.0	1.30
09:05	0.000	0.000	0.000	0.0	1.30
09:10	0.000	0.000	0.000	0.0	1.30
09:15	0.000	0.000	0.000	0.0	1.30
09:20	0.000	0.000	0.000	0.0	1.30
09:25	0.000	0.000	0.000	0.0	1.30
09:30	0.000	0.000	0.000	0.0	1.30
09:35	0.000	0.000	0.000	0.0	1.30
09:40	0.000	0.000	0.000	0.0	1.30
09:45	0.000	0.000	0.000	0.0	1.30
09:50	0.000	0.000	0.000	0.0	1.30
09:55	0.000	0.000	0.000	0.0	1.30
10:00	0.000	0.000	0.000	0.0	1.30
10:05	0.000	0.000	0.000	0.0	1.30
10:10	0.000	0.000	0.000	0.0	1.30
10:15	0.000	0.000	0.000	0.0	1.30
10:20	0.000	0.000	0.000	0.0	1.30
10:25	0.000	0.000	0.000	0.0	1.30
10:30	0.000	0.000	0.000	0.0	1.30
10:35	0.000	0.000	0.000	0.0	1.30

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	0.0	0.00
00:25	0.0	0.00
00:30	0.0	0.00
00:35	0.0	0.00
00:40	0.0	0.00
00:45	0.0	0.00
00:50	0.0	0.00
00:55	0.0	0.00
01:00	0.0	0.00
01:05	0.0	0.00
01:10	0.0	0.00
01:15	0.0	0.00
01:20	0.0	0.00
01:25	0.0	0.00
01:30	0.0	0.00
01:35	0.0	0.00
01:40	0.0	0.00
01:45	0.0	0.00
01:50	0.0	0.00
01:55	0.0	0.00
02:00	0.0	0.00
02:05	0.0	0.00
02:10	0.0	0.00
02:15	0.0	0.00
02:20	0.0	0.00
02:25	0.0	0.00
02:30	0.0	0.00
02:35	0.0	0.00
02:40	0.0	0.00
02:45	0.0	0.00
02:50	0.0	0.00
02:55	0.0	0.00
03:00	0.0	0.00
03:05	0.0	0.00
03:10	0.0	0.00
03:15	0.0	0.00
03:20	0.0	0.00
03:25	0.0	0.00
03:30	0.0	0.00
03:35	0.0	0.00
03:40	0.0	0.00
03:45	0.0	0.00
03:50	0.0	0.00
03:55	0.0	0.00
04:00	0.0	0.00
04:05	0.0	0.00
04:10	0.0	0.00
04:15	0.0	0.00
04:20	0.0	0.00
04:25	0.0	0.00
04:30	0.0	0.00
04:35	0.0	0.00
04:40	0.0	0.00
04:45	0.0	0.00
04:50	0.0	0.00
04:55	0.0	0.00
05:00	0.0	0.00
05:05	0.0	0.00
05:10	0.0	0.00
05:15	0.0	0.00
05:20	0.3	0.00
05:25	2.3	0.02
05:30	5.3	0.05

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
05:35	7.9	0.11
05:40	8.7	0.17
05:45	8.3	0.23
05:50	7.4	0.28
05:55	6.5	0.32
06:00	5.7	0.36
06:05	5.0	0.40
06:10	4.3	0.43
06:15	3.6	0.45
06:20	3.1	0.47
06:25	2.6	0.49
06:30	2.3	0.51
06:35	2.0	0.52
06:40	1.7	0.53
06:45	1.5	0.54
06:50	1.3	0.55
06:55	1.2	0.56
07:00	1.1	0.57
07:05	0.9	0.57
07:10	0.9	0.58
07:15	0.8	0.58
07:20	0.7	0.59
07:25	0.6	0.59
07:30	0.6	0.60
07:35	0.5	0.60
07:40	0.5	0.60
07:45	0.4	0.61
07:50	0.4	0.61
07:55	0.4	0.61
08:00	0.3	0.61
08:05	0.3	0.62
08:10	0.3	0.62
08:15	0.3	0.62
08:20	0.3	0.62
08:25	0.2	0.62
08:30	0.2	0.63
08:35	0.2	0.63
08:40	0.2	0.63
08:45	0.2	0.63
08:50	0.2	0.63
08:55	0.2	0.63
09:00	0.2	0.63
09:05	0.1	0.63
09:10	0.1	0.64
09:15	0.1	0.64
09:20	0.1	0.64
09:25	0.1	0.64
09:30	0.1	0.64
09:35	0.1	0.64
09:40	0.1	0.64
09:45	0.1	0.64
09:50	0.1	0.64
09:55	0.1	0.64
10:00	0.1	0.64
10:05	0.1	0.64
10:10	0.1	0.64
10:15	0.1	0.64
10:20	0.1	0.64
10:25	0.1	0.64
10:30	0.1	0.64
10:35	0.1	0.65

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	6.1	6.1	0.04
00:10	14.8	14.8	0.14
00:15	20.4	20.4	0.28
00:20	23.0	23.0	0.44
00:25	24.2	24.2	0.61
00:30	27.2	27.2	0.80
00:35	30.0	30.0	1.00
00:40	32.1	32.1	1.22
00:45	37.1	37.1	1.48
00:50	60.5	60.5	1.90
00:55	95.3	95.3	2.55
01:00	113.6	113.6	3.34
01:05	122.5	122.5	4.18
01:10	128.1	128.1	5.06
01:15	132.6	132.6	5.97
01:20	138.3	138.3	6.93
01:25	148.1	148.1	7.95
01:30	161.3	161.3	9.06
01:35	170.7	170.7	10.23
01:40	176.8	176.8	11.45
01:45	181.3	181.3	12.70
01:50	184.7	184.7	13.97
01:55	187.3	187.3	15.26
02:00	192.2	192.2	16.59
02:05	194.1	194.1	17.92
02:10	199.0	199.0	19.29
02:15	204.9	204.9	20.70
02:20	212.0	212.0	22.16
02:25	222.4	222.4	23.70
02:30	231.1	231.1	25.29
02:35	239.6	239.6	26.94
02:40	248.0	248.0	28.65
02:45	256.9	256.9	30.41
02:50	265.0	265.0	32.24
02:55	273.6	273.6	34.12
03:00	283.7	283.7	36.08
03:05	296.4	296.4	38.12
03:10	314.0	314.0	40.28
03:15	329.8	329.8	42.55
03:20	343.0	343.0	44.92
03:25	359.9	359.9	47.39
03:30	383.4	383.4	50.03
03:35	414.7	414.7	52.89
03:40	448.0	448.0	55.98
03:45	489.8	489.8	59.35
03:50	535.2	535.2	63.04
03:55	583.5	583.5	67.05
04:00	625.3	625.3	71.36
04:05	667.0	667.0	75.95
04:10	709.3	709.3	80.84
04:15	756.6	756.6	86.05
04:20	808.7	808.7	91.62
04:25	867.9	867.9	97.60
04:30	930.4	930.4	104.00
04:35	992.6	992.6	110.84
04:40	1052.7	1052.7	118.09
04:45	1113.2	1113.2	125.76
04:50	1173.8	1173.8	133.84
04:55	1238.7	1238.7	142.37
05:00	1304.5	1304.5	151.36
05:05	1389.0	1389.0	160.92
05:10	1511.4	1511.4	171.33
05:15	1683.7	1683.7	182.93
05:20	1906.2	1906.2	196.06
05:25	2181.3	2181.3	211.08

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	2595.8	2595.8	228.96
05:35	2967.5	2967.5	249.39
05:40	3040.0	3040.0	270.33
05:45	2770.2	2770.2	289.41
05:50	2345.7	2345.7	305.56
05:55	1870.5	1870.5	318.44
06:00	1438.8	1438.8	328.35
06:05	1052.8	1052.8	335.60
06:10	675.3	675.3	340.26
06:15	489.7	489.7	343.63
06:20	387.8	387.8	346.30
06:25	316.8	316.8	348.48
06:30	259.3	259.3	350.27
06:35	215.1	215.1	351.75
06:40	184.0	184.0	353.02
06:45	162.5	162.5	354.13
06:50	145.4	145.4	355.14
06:55	133.9	133.9	356.06
07:00	124.2	124.2	356.91
07:05	115.0	115.0	357.71
07:10	105.7	105.7	358.43
07:15	95.7	95.7	359.09
07:20	85.2	85.2	359.68
07:25	74.3	74.3	360.19
07:30	63.4	63.4	360.63
07:35	52.7	52.7	360.99
07:40	42.7	42.7	361.28
07:45	34.1	34.1	361.52
07:50	27.1	27.1	361.71
07:55	21.5	21.5	361.85
08:00	17.5	17.5	361.97
08:05	14.3	14.3	362.07
08:10	11.7	11.7	362.15
08:15	9.9	9.9	362.22
08:20	8.3	8.3	362.28
08:25	7.3	7.3	362.33
08:30	6.2	6.2	362.37
08:35	5.5	5.5	362.41
08:40	4.9	4.9	362.44
08:45	4.3	4.3	362.47
08:50	3.9	3.9	362.50
08:55	3.5	3.5	362.52
09:00	3.1	3.1	362.55
09:05	2.9	2.9	362.57
09:10	2.6	2.6	362.58
09:15	2.4	2.4	362.60
09:20	2.2	2.2	362.62
09:25	2.0	2.0	362.63
09:30	1.8	1.8	362.64
09:35	1.7	1.7	362.65
09:40	1.6	1.6	362.66
09:45	1.5	1.5	362.67
09:50	1.4	1.4	362.68
09:55	1.3	1.3	362.69
10:00	1.2	1.2	362.70
10:05	1.1	1.1	362.71
10:10	1.1	1.1	362.72
10:15	1.0	1.0	362.72
10:20	0.9	0.9	362.73
10:25	0.9	0.9	362.74
10:30	0.8	0.8	362.74
10:35	0.8	0.8	362.75

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	6.1	0.00	0.0	0.00
00:10	14.8	0.00	0.0	0.00
00:15	20.4	0.00	0.0	0.00
00:20	23.0	0.07	0.0	0.00
00:25	24.2	0.52	1.2	0.01
00:30	27.2	1.20	9.8	0.08
00:35	30.0	1.59	20.5	0.22
00:40	32.1	1.73	25.5	0.39
00:45	37.1	1.81	28.7	0.59
00:50	60.5	1.88	31.6	0.81
00:55	95.3	2.05	39.2	1.08
01:00	113.6	2.54	68.2	1.55
01:05	122.5	3.00	104.7	2.27
01:10	128.1	3.16	119.1	3.09
01:15	132.6	3.23	126.1	3.96
01:20	138.3	3.28	131.1	4.86
01:25	148.1	3.33	136.6	5.80
01:30	161.3	3.41	145.5	6.80
01:35	170.7	3.52	158.0	7.89
01:40	176.8	3.61	168.7	9.05
01:45	181.3	3.67	175.6	10.26
01:50	184.7	3.71	180.5	11.51
01:55	187.3	3.74	184.1	12.77
02:00	192.2	3.76	187.0	14.06
02:05	194.1	3.80	191.4	15.38
02:10	199.0	3.82	193.9	16.71
02:15	204.9	3.85	198.4	18.08
02:20	212.0	3.89	204.2	19.49
02:25	222.4	3.95	211.4	20.94
02:30	231.1	4.02	221.4	22.47
02:35	239.6	4.08	230.5	24.06
02:40	248.0	4.14	239.2	25.70
02:45	256.9	4.20	247.7	27.41
02:50	265.0	4.26	256.7	29.18
02:55	273.6	4.31	264.9	31.00
03:00	283.7	4.36	273.6	32.89
03:05	296.4	4.43	284.0	34.84
03:10	314.0	4.51	297.2	36.89
03:15	329.8	4.61	314.8	39.06
03:20	343.0	4.70	330.6	41.33
03:25	359.9	4.77	344.4	43.71
03:30	383.4	4.87	362.5	46.20
03:35	414.7	5.00	387.8	48.87
03:40	448.0	5.15	420.0	51.77
03:45	489.8	5.32	455.5	54.90
03:50	535.2	5.51	499.4	58.34
03:55	583.5	5.71	546.8	62.11
04:00	625.3	5.90	594.5	66.20
04:05	667.0	6.06	637.1	70.59
04:10	709.3	6.22	679.7	75.27
04:15	756.6	6.37	724.3	80.26
04:20	808.7	6.54	774.0	85.59
04:25	867.9	6.72	829.5	91.30
04:30	930.4	6.91	891.0	97.44
04:35	992.6	7.10	954.4	104.01
04:40	1052.7	7.27	1016.7	111.01
04:45	1113.2	7.44	1077.8	118.44
04:50	1173.8	7.60	1139.1	126.28
04:55	1238.7	7.76	1202.3	134.56
05:00	1304.5	7.93	1268.3	143.30
05:05	1389.0	8.11	1343.6	152.55
05:10	1511.4	8.34	1447.6	162.52
05:15	1683.7	8.67	1596.9	173.52
05:20	1906.2	9.08	1799.7	185.91
05:25	2181.3	9.57	2056.3	200.07

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	2595.8	10.19	2419.0	216.73
05:35	2967.5	10.81	2817.0	236.13
05:40	3040.0	11.10	3011.5	256.88
05:45	2770.2	10.90	2878.0	276.70
05:50	2345.7	10.36	2523.7	294.08
05:55	1870.5	9.62	2084.7	308.43
06:00	1438.8	8.78	1651.5	319.81
06:05	1052.8	7.91	1263.4	328.51
06:10	675.3	6.96	908.3	334.77
06:15	489.7	6.01	622.9	339.06
06:20	387.8	5.38	469.7	342.29
06:25	316.8	4.95	379.0	344.90
06:30	259.3	4.60	313.7	347.06
06:35	215.1	4.28	260.2	348.85
06:40	184.0	4.00	218.7	350.36
06:45	162.5	3.78	188.8	351.66
06:50	145.4	3.60	166.9	352.81
06:55	133.9	3.45	149.7	353.84
07:00	124.2	3.34	137.4	354.79
07:05	115.0	3.24	127.5	355.66
07:10	105.7	3.15	118.4	356.48
07:15	95.7	3.06	109.6	357.23
07:20	85.2	2.95	100.3	357.92
07:25	74.3	2.84	90.7	358.55
07:30	63.4	2.71	80.7	359.11
07:35	52.7	2.58	70.7	359.59
07:40	42.7	2.43	60.9	360.01
07:45	34.1	2.28	51.5	360.37
07:50	27.1	2.12	42.9	360.66
07:55	21.5	1.97	35.5	360.91
08:00	17.5	1.83	29.3	361.11
08:05	14.3	1.70	24.3	361.28
08:10	11.7	1.59	20.3	361.42
08:15	9.9	1.48	17.1	361.53
08:20	8.3	1.39	14.5	361.63
08:25	7.3	1.31	12.4	361.72
08:30	6.2	1.24	10.7	361.79
08:35	5.5	1.17	9.4	361.86
08:40	4.9	1.11	8.2	361.91
08:45	4.3	1.06	7.3	361.96
08:50	3.9	1.02	6.5	362.01
08:55	3.5	0.97	5.8	362.05
09:00	3.1	0.93	5.2	362.08
09:05	2.9	0.90	4.7	362.12
09:10	2.6	0.87	4.3	362.15
09:15	2.4	0.84	3.9	362.17
09:20	2.2	0.81	3.6	362.20
09:25	2.0	0.78	3.3	362.22
09:30	1.8	0.76	3.0	362.24
09:35	1.7	0.73	2.8	362.26
09:40	1.6	0.71	2.6	362.28
09:45	1.5	0.69	2.4	362.29
09:50	1.4	0.67	2.3	362.31
09:55	1.3	0.66	2.1	362.33
10:00	1.2	0.64	2.0	362.34
10:05	1.1	0.62	1.8	362.35
10:10	1.1	0.61	1.7	362.36
10:15	1.0	0.59	1.6	362.37
10:20	0.9	0.58	1.5	362.38
10:25	0.9	0.57	1.4	362.39
10:30	0.8	0.55	1.3	362.40
10:35	0.8	0.54	1.3	362.41

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	0.7	0.00
02:50	0.032	0.029	0.003	0.9	0.01
02:55	0.032	0.029	0.003	0.9	0.02
03:00	0.032	0.029	0.003	0.9	0.02
03:05	0.032	0.029	0.003	1.0	0.03
03:10	0.035	0.029	0.006	1.7	0.04
03:15	0.035	0.029	0.006	1.9	0.06
03:20	0.035	0.029	0.006	2.0	0.07
03:25	0.038	0.029	0.009	2.8	0.09
03:30	0.042	0.029	0.012	3.8	0.11
03:35	0.045	0.029	0.016	4.8	0.15
03:40	0.045	0.029	0.016	5.1	0.18
03:45	0.048	0.029	0.019	6.0	0.22
03:50	0.048	0.029	0.019	6.3	0.27
03:55	0.051	0.029	0.022	7.2	0.32
04:00	0.051	0.029	0.022	7.4	0.37
04:05	0.054	0.029	0.025	8.3	0.42
04:10	0.058	0.029	0.028	9.3	0.49
04:15	0.061	0.029	0.032	10.3	0.56
04:20	0.064	0.029	0.035	11.4	0.64
04:25	0.067	0.029	0.038	12.5	0.72
04:30	0.067	0.029	0.038	12.8	0.81
04:35	0.070	0.029	0.041	13.7	0.91
04:40	0.074	0.029	0.044	14.7	1.01
04:45	0.077	0.029	0.048	15.8	1.12
04:50	0.077	0.029	0.048	16.1	1.23
04:55	0.080	0.029	0.051	17.0	1.34
05:00	0.083	0.029	0.054	18.0	1.47
05:05	0.099	0.029	0.070	22.2	1.62
05:10	0.115	0.029	0.086	27.1	1.81
05:15	0.125	0.029	0.096	30.7	2.02
05:20	0.134	0.029	0.105	34.1	2.25
05:25	0.150	0.029	0.121	39.1	2.52

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	47.5	2.85
05:35	0.061	0.029	0.032	21.2	3.00
05:40	0.029	0.029	0.000	7.2	3.05
05:45	0.019	0.019	0.000	3.8	3.07
05:50	0.016	0.016	0.000	2.3	3.09
05:55	0.010	0.010	0.000	0.5	3.09
06:00	0.006	0.006	0.000	0.0	3.09
06:05	0.000	0.000	0.000	0.0	3.09
06:10	0.000	0.000	0.000	0.0	3.09
06:15	0.000	0.000	0.000	0.0	3.09
06:20	0.000	0.000	0.000	0.0	3.09
06:25	0.000	0.000	0.000	0.0	3.09
06:30	0.000	0.000	0.000	0.0	3.09
06:35	0.000	0.000	0.000	0.0	3.09
06:40	0.000	0.000	0.000	0.0	3.09
06:45	0.000	0.000	0.000	0.0	3.09
06:50	0.000	0.000	0.000	0.0	3.09
06:55	0.000	0.000	0.000	0.0	3.09
07:00	0.000	0.000	0.000	0.0	3.09
07:05	0.000	0.000	0.000	0.0	3.09
07:10	0.000	0.000	0.000	0.0	3.09
07:15	0.000	0.000	0.000	0.0	3.09
07:20	0.000	0.000	0.000	0.0	3.09
07:25	0.000	0.000	0.000	0.0	3.09
07:30	0.000	0.000	0.000	0.0	3.09
07:35	0.000	0.000	0.000	0.0	3.09
07:40	0.000	0.000	0.000	0.0	3.09
07:45	0.000	0.000	0.000	0.0	3.09
07:50	0.000	0.000	0.000	0.0	3.09
07:55	0.000	0.000	0.000	0.0	3.09
08:00	0.000	0.000	0.000	0.0	3.09
08:05	0.000	0.000	0.000	0.0	3.09
08:10	0.000	0.000	0.000	0.0	3.09
08:15	0.000	0.000	0.000	0.0	3.09
08:20	0.000	0.000	0.000	0.0	3.09
08:25	0.000	0.000	0.000	0.0	3.09
08:30	0.000	0.000	0.000	0.0	3.09
08:35	0.000	0.000	0.000	0.0	3.09
08:40	0.000	0.000	0.000	0.0	3.09
08:45	0.000	0.000	0.000	0.0	3.09
08:50	0.000	0.000	0.000	0.0	3.09
08:55	0.000	0.000	0.000	0.0	3.09
09:00	0.000	0.000	0.000	0.0	3.09
09:05	0.000	0.000	0.000	0.0	3.09
09:10	0.000	0.000	0.000	0.0	3.09
09:15	0.000	0.000	0.000	0.0	3.09
09:20	0.000	0.000	0.000	0.0	3.09
09:25	0.000	0.000	0.000	0.0	3.09
09:30	0.000	0.000	0.000	0.0	3.09
09:35	0.000	0.000	0.000	0.0	3.09
09:40	0.000	0.000	0.000	0.0	3.09
09:45	0.000	0.000	0.000	0.0	3.09
09:50	0.000	0.000	0.000	0.0	3.09
09:55	0.000	0.000	0.000	0.0	3.09
10:00	0.000	0.000	0.000	0.0	3.09
10:05	0.000	0.000	0.000	0.0	3.09
10:10	0.000	0.000	0.000	0.0	3.09
10:15	0.000	0.000	0.000	0.0	3.09
10:20	0.000	0.000	0.000	0.0	3.09
10:25	0.000	0.000	0.000	0.0	3.09
10:30	0.000	0.000	0.000	0.0	3.09
10:35	0.000	0.000	0.000	0.0	3.09

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.010	0.006	0.2	0.00
00:10	0.019	0.012	0.007	0.6	0.01
00:15	0.019	0.012	0.007	1.1	0.01
00:20	0.019	0.012	0.007	1.4	0.02
00:25	0.019	0.012	0.007	1.6	0.03
00:30	0.022	0.012	0.010	1.8	0.05
00:35	0.022	0.012	0.010	2.1	0.06
00:40	0.022	0.012	0.010	2.4	0.08
00:45	0.022	0.012	0.010	2.6	0.09
00:50	0.022	0.012	0.010	2.7	0.11
00:55	0.022	0.012	0.010	2.8	0.13
01:00	0.026	0.012	0.013	3.0	0.15
01:05	0.026	0.012	0.013	3.2	0.17
01:10	0.026	0.012	0.013	3.5	0.20
01:15	0.026	0.012	0.013	3.7	0.22
01:20	0.026	0.012	0.013	3.8	0.25
01:25	0.026	0.012	0.013	3.9	0.28
01:30	0.026	0.012	0.013	3.9	0.30
01:35	0.026	0.012	0.013	4.0	0.33
01:40	0.026	0.012	0.013	4.0	0.36
01:45	0.026	0.012	0.013	4.1	0.39
01:50	0.026	0.012	0.013	4.1	0.41
01:55	0.026	0.012	0.013	4.1	0.44
02:00	0.029	0.012	0.016	4.2	0.47
02:05	0.026	0.012	0.013	4.4	0.50
02:10	0.029	0.012	0.016	4.5	0.53
02:15	0.029	0.012	0.016	4.6	0.57
02:20	0.029	0.012	0.016	4.8	0.60
02:25	0.029	0.012	0.016	5.0	0.63
02:30	0.029	0.012	0.016	5.0	0.67
02:35	0.029	0.012	0.016	5.1	0.70
02:40	0.029	0.012	0.016	5.1	0.74
02:45	0.032	0.012	0.020	5.3	0.77
02:50	0.032	0.012	0.020	5.5	0.81
02:55	0.032	0.012	0.020	5.7	0.85
03:00	0.032	0.012	0.020	5.9	0.89
03:05	0.032	0.012	0.020	6.0	0.93
03:10	0.035	0.012	0.023	6.1	0.98
03:15	0.035	0.012	0.023	6.4	1.02
03:20	0.035	0.012	0.023	6.7	1.07
03:25	0.038	0.012	0.026	6.9	1.11
03:30	0.042	0.012	0.029	7.3	1.16
03:35	0.045	0.012	0.032	8.0	1.22
03:40	0.045	0.012	0.032	8.6	1.28
03:45	0.048	0.012	0.036	9.2	1.34
03:50	0.048	0.012	0.036	9.7	1.41
03:55	0.051	0.012	0.039	10.3	1.48
04:00	0.051	0.012	0.039	10.8	1.55
04:05	0.054	0.012	0.042	11.3	1.63
04:10	0.058	0.012	0.045	11.9	1.71
04:15	0.061	0.012	0.048	12.6	1.80
04:20	0.064	0.012	0.052	13.4	1.89
04:25	0.067	0.012	0.055	14.3	1.99
04:30	0.067	0.012	0.055	15.1	2.09
04:35	0.070	0.012	0.058	15.9	2.20
04:40	0.074	0.012	0.061	16.5	2.32
04:45	0.077	0.012	0.064	17.4	2.44
04:50	0.077	0.012	0.064	18.2	2.56
04:55	0.080	0.012	0.068	18.9	2.69
05:00	0.083	0.012	0.071	19.6	2.83
05:05	0.099	0.012	0.087	20.9	2.97
05:10	0.115	0.012	0.103	22.9	3.13
05:15	0.125	0.012	0.112	25.9	3.31
05:20	0.134	0.012	0.122	29.0	3.51
05:25	0.150	0.012	0.138	32.1	3.73

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.012	0.167	36.0	3.98
05:35	0.061	0.012	0.048	36.6	4.23
05:40	0.029	0.012	0.016	32.1	4.45
05:45	0.019	0.012	0.007	22.8	4.61
05:50	0.016	0.010	0.006	16.1	4.72
05:55	0.010	0.006	0.003	12.1	4.80
06:00	0.006	0.004	0.002	9.2	4.86
06:05	0.000	0.000	0.000	7.4	4.92
06:10	0.000	0.000	0.000	6.0	4.96
06:15	0.000	0.000	0.000	4.6	4.99
06:20	0.000	0.000	0.000	3.6	5.01
06:25	0.000	0.000	0.000	3.1	5.04
06:30	0.000	0.000	0.000	2.9	5.06
06:35	0.000	0.000	0.000	2.7	5.07
06:40	0.000	0.000	0.000	2.5	5.09
06:45	0.000	0.000	0.000	2.3	5.11
06:50	0.000	0.000	0.000	2.1	5.12
06:55	0.000	0.000	0.000	1.9	5.13
07:00	0.000	0.000	0.000	1.7	5.15
07:05	0.000	0.000	0.000	1.4	5.16
07:10	0.000	0.000	0.000	1.2	5.16
07:15	0.000	0.000	0.000	0.8	5.17
07:20	0.000	0.000	0.000	0.5	5.17
07:25	0.000	0.000	0.000	0.2	5.17
07:30	0.000	0.000	0.000	0.1	5.18
07:35	0.000	0.000	0.000	0.0	5.18
07:40	0.000	0.000	0.000	0.0	5.18
07:45	0.000	0.000	0.000	0.0	5.18
07:50	0.000	0.000	0.000	0.0	5.18
07:55	0.000	0.000	0.000	0.0	5.18
08:00	0.000	0.000	0.000	0.0	5.18
08:05	0.000	0.000	0.000	0.0	5.18
08:10	0.000	0.000	0.000	0.0	5.18
08:15	0.000	0.000	0.000	0.0	5.18
08:20	0.000	0.000	0.000	0.0	5.18
08:25	0.000	0.000	0.000	0.0	5.18
08:30	0.000	0.000	0.000	0.0	5.18
08:35	0.000	0.000	0.000	0.0	5.18
08:40	0.000	0.000	0.000	0.0	5.18
08:45	0.000	0.000	0.000	0.0	5.18
08:50	0.000	0.000	0.000	0.0	5.18
08:55	0.000	0.000	0.000	0.0	5.18
09:00	0.000	0.000	0.000	0.0	5.18
09:05	0.000	0.000	0.000	0.0	5.18
09:10	0.000	0.000	0.000	0.0	5.18
09:15	0.000	0.000	0.000	0.0	5.18
09:20	0.000	0.000	0.000	0.0	5.18
09:25	0.000	0.000	0.000	0.0	5.18
09:30	0.000	0.000	0.000	0.0	5.18
09:35	0.000	0.000	0.000	0.0	5.18
09:40	0.000	0.000	0.000	0.0	5.18
09:45	0.000	0.000	0.000	0.0	5.18
09:50	0.000	0.000	0.000	0.0	5.18
09:55	0.000	0.000	0.000	0.0	5.18
10:00	0.000	0.000	0.000	0.0	5.18
10:05	0.000	0.000	0.000	0.0	5.18
10:10	0.000	0.000	0.000	0.0	5.18
10:15	0.000	0.000	0.000	0.0	5.18
10:20	0.000	0.000	0.000	0.0	5.18
10:25	0.000	0.000	0.000	0.0	5.18
10:30	0.000	0.000	0.000	0.0	5.18
10:35	0.000	0.000	0.000	0.0	5.18

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.028	0.000	0.0	0.00
02:15	0.029	0.028	0.000	0.0	0.00
02:20	0.029	0.028	0.000	0.1	0.00
02:25	0.029	0.028	0.000	0.1	0.00
02:30	0.029	0.028	0.000	0.1	0.00
02:35	0.029	0.028	0.000	0.1	0.00
02:40	0.029	0.028	0.000	0.1	0.00
02:45	0.032	0.028	0.004	0.2	0.00
02:50	0.032	0.028	0.004	0.4	0.01
02:55	0.032	0.028	0.004	0.4	0.01
03:00	0.032	0.028	0.004	0.5	0.01
03:05	0.032	0.028	0.004	0.5	0.02
03:10	0.035	0.028	0.007	0.6	0.02
03:15	0.035	0.028	0.007	0.8	0.03
03:20	0.035	0.028	0.007	0.9	0.03
03:25	0.038	0.028	0.010	1.0	0.04
03:30	0.042	0.028	0.013	1.3	0.05
03:35	0.045	0.028	0.016	1.7	0.06
03:40	0.045	0.028	0.016	2.0	0.07
03:45	0.048	0.028	0.020	2.3	0.09
03:50	0.048	0.028	0.020	2.5	0.11
03:55	0.051	0.028	0.023	2.8	0.13
04:00	0.051	0.028	0.023	3.0	0.15
04:05	0.054	0.028	0.026	3.2	0.17
04:10	0.058	0.028	0.029	3.6	0.19
04:15	0.061	0.028	0.032	4.0	0.22
04:20	0.064	0.028	0.036	4.5	0.25
04:25	0.067	0.028	0.039	4.9	0.29
04:30	0.067	0.028	0.039	5.3	0.32
04:35	0.070	0.028	0.042	5.5	0.36
04:40	0.074	0.028	0.045	5.9	0.40
04:45	0.077	0.028	0.048	6.4	0.45
04:50	0.077	0.028	0.048	6.7	0.49
04:55	0.080	0.028	0.052	7.0	0.54
05:00	0.083	0.028	0.055	7.4	0.59
05:05	0.099	0.028	0.071	8.2	0.65
05:10	0.115	0.028	0.087	9.9	0.71
05:15	0.125	0.028	0.096	11.5	0.79
05:20	0.134	0.028	0.106	13.0	0.88
05:25	0.150	0.028	0.122	14.6	0.98

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.151	17.1	1.10
05:35	0.061	0.028	0.032	15.2	1.21
05:40	0.029	0.028	0.000	8.4	1.26
05:45	0.019	0.019	0.000	4.8	1.30
05:50	0.016	0.016	0.000	3.1	1.32
05:55	0.010	0.010	0.000	2.2	1.33
06:00	0.006	0.006	0.000	1.5	1.34
06:05	0.000	0.000	0.000	1.3	1.35
06:10	0.000	0.000	0.000	1.2	1.36
06:15	0.000	0.000	0.000	1.0	1.37
06:20	0.000	0.000	0.000	0.8	1.37
06:25	0.000	0.000	0.000	0.6	1.38
06:30	0.000	0.000	0.000	0.4	1.38
06:35	0.000	0.000	0.000	0.1	1.38
06:40	0.000	0.000	0.000	0.0	1.38
06:45	0.000	0.000	0.000	0.0	1.38
06:50	0.000	0.000	0.000	0.0	1.38
06:55	0.000	0.000	0.000	0.0	1.38
07:00	0.000	0.000	0.000	0.0	1.38
07:05	0.000	0.000	0.000	0.0	1.38
07:10	0.000	0.000	0.000	0.0	1.38
07:15	0.000	0.000	0.000	0.0	1.38
07:20	0.000	0.000	0.000	0.0	1.38
07:25	0.000	0.000	0.000	0.0	1.38
07:30	0.000	0.000	0.000	0.0	1.38
07:35	0.000	0.000	0.000	0.0	1.38
07:40	0.000	0.000	0.000	0.0	1.38
07:45	0.000	0.000	0.000	0.0	1.38
07:50	0.000	0.000	0.000	0.0	1.38
07:55	0.000	0.000	0.000	0.0	1.38
08:00	0.000	0.000	0.000	0.0	1.38
08:05	0.000	0.000	0.000	0.0	1.38
08:10	0.000	0.000	0.000	0.0	1.38
08:15	0.000	0.000	0.000	0.0	1.38
08:20	0.000	0.000	0.000	0.0	1.38
08:25	0.000	0.000	0.000	0.0	1.38
08:30	0.000	0.000	0.000	0.0	1.38
08:35	0.000	0.000	0.000	0.0	1.38
08:40	0.000	0.000	0.000	0.0	1.38
08:45	0.000	0.000	0.000	0.0	1.38
08:50	0.000	0.000	0.000	0.0	1.38
08:55	0.000	0.000	0.000	0.0	1.38
09:00	0.000	0.000	0.000	0.0	1.38
09:05	0.000	0.000	0.000	0.0	1.38
09:10	0.000	0.000	0.000	0.0	1.38
09:15	0.000	0.000	0.000	0.0	1.38
09:20	0.000	0.000	0.000	0.0	1.38
09:25	0.000	0.000	0.000	0.0	1.38
09:30	0.000	0.000	0.000	0.0	1.38
09:35	0.000	0.000	0.000	0.0	1.38
09:40	0.000	0.000	0.000	0.0	1.38
09:45	0.000	0.000	0.000	0.0	1.38
09:50	0.000	0.000	0.000	0.0	1.38
09:55	0.000	0.000	0.000	0.0	1.38
10:00	0.000	0.000	0.000	0.0	1.38
10:05	0.000	0.000	0.000	0.0	1.38
10:10	0.000	0.000	0.000	0.0	1.38
10:15	0.000	0.000	0.000	0.0	1.38
10:20	0.000	0.000	0.000	0.0	1.38
10:25	0.000	0.000	0.000	0.0	1.38
10:30	0.000	0.000	0.000	0.0	1.38
10:35	0.000	0.000	0.000	0.0	1.38

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	0.3	0.00
02:50	0.032	0.029	0.003	0.4	0.00
02:55	0.032	0.029	0.003	0.4	0.01
03:00	0.032	0.029	0.003	0.4	0.01
03:05	0.032	0.029	0.003	0.4	0.01
03:10	0.035	0.029	0.006	0.8	0.02
03:15	0.035	0.029	0.006	0.8	0.02
03:20	0.035	0.029	0.006	0.8	0.03
03:25	0.038	0.029	0.009	1.2	0.04
03:30	0.042	0.029	0.012	1.6	0.05
03:35	0.045	0.029	0.016	2.1	0.06
03:40	0.045	0.029	0.016	2.1	0.08
03:45	0.048	0.029	0.019	2.5	0.10
03:50	0.048	0.029	0.019	2.6	0.11
03:55	0.051	0.029	0.022	3.0	0.13
04:00	0.051	0.029	0.022	3.1	0.16
04:05	0.054	0.029	0.025	3.4	0.18
04:10	0.058	0.029	0.028	3.9	0.21
04:15	0.061	0.029	0.032	4.3	0.24
04:20	0.064	0.029	0.035	4.8	0.27
04:25	0.067	0.029	0.038	5.2	0.30
04:30	0.067	0.029	0.038	5.3	0.34
04:35	0.070	0.029	0.041	5.7	0.38
04:40	0.074	0.029	0.044	6.1	0.42
04:45	0.077	0.029	0.048	6.5	0.47
04:50	0.077	0.029	0.048	6.6	0.51
04:55	0.080	0.029	0.051	7.0	0.56
05:00	0.083	0.029	0.054	7.5	0.61
05:05	0.099	0.029	0.070	9.4	0.68
05:10	0.115	0.029	0.086	11.5	0.76
05:15	0.125	0.029	0.096	12.9	0.84
05:20	0.134	0.029	0.105	14.3	0.94
05:25	0.150	0.029	0.121	16.4	1.06

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	20.1	1.19
05:35	0.061	0.029	0.032	7.2	1.24
05:40	0.029	0.029	0.000	2.0	1.26
05:45	0.019	0.019	0.000	0.7	1.26
05:50	0.016	0.016	0.000	0.1	1.26
05:55	0.010	0.010	0.000	0.0	1.26
06:00	0.006	0.006	0.000	0.0	1.26
06:05	0.000	0.000	0.000	0.0	1.26
06:10	0.000	0.000	0.000	0.0	1.26
06:15	0.000	0.000	0.000	0.0	1.26
06:20	0.000	0.000	0.000	0.0	1.26
06:25	0.000	0.000	0.000	0.0	1.26
06:30	0.000	0.000	0.000	0.0	1.26
06:35	0.000	0.000	0.000	0.0	1.26
06:40	0.000	0.000	0.000	0.0	1.26
06:45	0.000	0.000	0.000	0.0	1.26
06:50	0.000	0.000	0.000	0.0	1.26
06:55	0.000	0.000	0.000	0.0	1.26
07:00	0.000	0.000	0.000	0.0	1.26
07:05	0.000	0.000	0.000	0.0	1.26
07:10	0.000	0.000	0.000	0.0	1.26
07:15	0.000	0.000	0.000	0.0	1.26
07:20	0.000	0.000	0.000	0.0	1.26
07:25	0.000	0.000	0.000	0.0	1.26
07:30	0.000	0.000	0.000	0.0	1.26
07:35	0.000	0.000	0.000	0.0	1.26
07:40	0.000	0.000	0.000	0.0	1.26
07:45	0.000	0.000	0.000	0.0	1.26
07:50	0.000	0.000	0.000	0.0	1.26
07:55	0.000	0.000	0.000	0.0	1.26
08:00	0.000	0.000	0.000	0.0	1.26
08:05	0.000	0.000	0.000	0.0	1.26
08:10	0.000	0.000	0.000	0.0	1.26
08:15	0.000	0.000	0.000	0.0	1.26
08:20	0.000	0.000	0.000	0.0	1.26
08:25	0.000	0.000	0.000	0.0	1.26
08:30	0.000	0.000	0.000	0.0	1.26
08:35	0.000	0.000	0.000	0.0	1.26
08:40	0.000	0.000	0.000	0.0	1.26
08:45	0.000	0.000	0.000	0.0	1.26
08:50	0.000	0.000	0.000	0.0	1.26
08:55	0.000	0.000	0.000	0.0	1.26
09:00	0.000	0.000	0.000	0.0	1.26
09:05	0.000	0.000	0.000	0.0	1.26
09:10	0.000	0.000	0.000	0.0	1.26
09:15	0.000	0.000	0.000	0.0	1.26
09:20	0.000	0.000	0.000	0.0	1.26
09:25	0.000	0.000	0.000	0.0	1.26
09:30	0.000	0.000	0.000	0.0	1.26
09:35	0.000	0.000	0.000	0.0	1.26
09:40	0.000	0.000	0.000	0.0	1.26
09:45	0.000	0.000	0.000	0.0	1.26
09:50	0.000	0.000	0.000	0.0	1.26
09:55	0.000	0.000	0.000	0.0	1.26
10:00	0.000	0.000	0.000	0.0	1.26
10:05	0.000	0.000	0.000	0.0	1.26
10:10	0.000	0.000	0.000	0.0	1.26
10:15	0.000	0.000	0.000	0.0	1.26
10:20	0.000	0.000	0.000	0.0	1.26
10:25	0.000	0.000	0.000	0.0	1.26
10:30	0.000	0.000	0.000	0.0	1.26
10:35	0.000	0.000	0.000	0.0	1.26

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.9	0.2	0.00	0.00
00:10	0.00	0.9	0.6	0.00	0.01
00:15	0.01	0.9	1.1	0.01	0.01
00:20	0.02	0.9	1.4	0.02	0.02
00:25	0.03	0.9	1.6	0.03	0.03
00:30	0.04	0.9	1.8	0.04	0.05
00:35	0.05	0.9	2.1	0.05	0.06
00:40	0.07	0.9	2.4	0.07	0.08
00:45	0.09	0.9	2.6	0.09	0.09
00:50	0.11	0.9	2.7	0.10	0.11
00:55	0.13	0.9	2.8	0.12	0.13
01:00	0.15	0.9	3.0	0.14	0.15
01:05	0.17	0.9	3.2	0.16	0.17
01:10	0.19	0.9	3.5	0.19	0.20
01:15	0.22	0.9	3.7	0.21	0.22
01:20	0.24	0.9	3.8	0.24	0.25
01:25	0.27	1.0	3.9	0.26	0.28
01:30	0.30	1.0	3.9	0.29	0.30
01:35	0.33	1.0	4.0	0.32	0.33
01:40	0.36	1.0	4.0	0.34	0.36
01:45	0.38	1.0	4.1	0.37	0.39
01:50	0.41	1.0	4.1	0.40	0.41
01:55	0.44	1.0	4.1	0.43	0.44
02:00	0.47	1.0	4.3	0.46	0.47
02:05	0.50	1.0	4.4	0.49	0.50
02:10	0.54	1.0	4.6	0.52	0.53
02:15	0.57	1.0	4.7	0.55	0.57
02:20	0.60	1.0	4.9	0.58	0.60
02:25	0.64	1.0	5.0	0.62	0.63
02:30	0.67	1.0	5.1	0.65	0.67
02:35	0.71	1.0	5.2	0.69	0.71
02:40	0.75	1.0	5.2	0.72	0.74
02:45	0.79	1.0	6.4	0.76	0.79
02:50	0.84	1.0	7.1	0.81	0.83
02:55	0.89	1.0	7.5	0.86	0.89
03:00	0.94	1.0	7.7	0.91	0.94
03:05	1.00	1.0	7.8	0.97	0.99
03:10	1.05	1.0	9.3	1.02	1.06
03:15	1.12	1.0	9.9	1.09	1.12
03:20	1.18	1.0	10.4	1.16	1.20
03:25	1.26	1.0	12.0	1.24	1.28
03:30	1.34	1.0	14.1	1.33	1.38
03:35	1.44	1.0	16.6	1.43	1.49
03:40	1.56	1.1	17.9	1.55	1.61
03:45	1.68	1.1	20.1	1.68	1.75
03:50	1.82	1.1	21.2	1.82	1.90
03:55	1.96	1.1	23.2	1.98	2.06
04:00	2.11	1.1	24.2	2.14	2.22
04:05	2.27	1.1	26.2	2.31	2.40
04:10	2.43	1.1	28.6	2.50	2.60
04:15	2.62	1.1	31.3	2.71	2.82
04:20	2.82	1.2	34.0	2.93	3.05
04:25	3.03	1.2	36.9	3.18	3.30
04:30	3.23	1.2	38.5	3.42	3.57
04:35	3.42	1.2	40.8	3.65	3.85
04:40	3.59	1.2	43.3	3.85	4.15
04:45	3.73	1.2	46.1	4.02	4.47
04:50	3.85	1.2	47.6	4.17	4.79
04:55	3.95	1.2	49.9	4.29	5.14
05:00	4.04	1.3	52.5	4.40	5.50
05:05	4.12	1.3	60.6	4.51	5.92
05:10	4.23	1.3	71.4	4.65	6.41
05:15	4.35	1.3	81.1	4.81	6.97
05:20	4.48	1.3	90.4	4.98	7.59
05:25	4.62	1.3	102.3	5.16	8.29

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	4.79	1.3	120.6	5.37	9.12
05:35	4.85	1.3	80.2	5.45	9.68
05:40	4.74	1.3	49.7	5.30	10.02
05:45	4.55	1.3	32.1	5.06	10.24
05:50	4.36	1.3	21.6	4.81	10.39
05:55	4.18	1.3	14.8	4.59	10.49
06:00	4.03	1.3	10.8	4.39	10.56
06:05	3.89	1.2	8.8	4.22	10.62
06:10	3.78	1.2	7.2	4.09	10.67
06:15	3.69	1.2	5.7	3.97	10.71
06:20	3.61	1.2	4.4	3.88	10.74
06:25	3.54	1.2	3.8	3.80	10.77
06:30	3.49	1.2	3.3	3.73	10.79
06:35	3.44	1.2	2.8	3.67	10.81
06:40	3.40	1.2	2.5	3.62	10.83
06:45	3.37	1.2	2.3	3.58	10.84
06:50	3.34	1.2	2.1	3.55	10.86
06:55	3.31	1.2	1.9	3.51	10.87
07:00	3.29	1.2	1.7	3.49	10.88
07:05	3.27	1.2	1.5	3.46	10.89
07:10	3.25	1.2	1.2	3.44	10.90
07:15	3.23	1.2	0.8	3.42	10.91
07:20	3.21	1.2	0.5	3.40	10.91
07:25	3.19	1.2	0.2	3.38	10.91
07:30	3.18	1.2	0.1	3.36	10.91
07:35	3.16	1.2	0.0	3.34	10.91
07:40	3.15	1.2	0.0	3.32	10.91
07:45	3.14	1.2	0.0	3.31	10.91
07:50	3.13	1.2	0.0	3.30	10.91
07:55	3.12	1.2	0.0	3.29	10.91
08:00	3.11	1.2	0.0	3.28	10.91
08:05	3.11	1.2	0.0	3.27	10.91
08:10	3.10	1.2	0.0	3.26	10.91
08:15	3.09	1.2	0.0	3.25	10.91
08:20	3.09	1.2	0.0	3.25	10.91
08:25	3.08	1.2	0.0	3.24	10.91
08:30	3.08	1.2	0.0	3.23	10.91
08:35	3.07	1.2	0.0	3.23	10.91
08:40	3.07	1.2	0.0	3.22	10.91
08:45	3.07	1.2	0.0	3.22	10.91
08:50	3.06	1.2	0.0	3.22	10.91
08:55	3.06	1.2	0.0	3.21	10.91
09:00	3.06	1.2	0.0	3.21	10.91
09:05	3.05	1.2	0.0	3.21	10.91
09:10	3.05	1.2	0.0	3.20	10.91
09:15	3.05	1.2	0.0	3.20	10.91
09:20	3.05	1.2	0.0	3.20	10.91
09:25	3.04	1.2	0.0	3.19	10.91
09:30	3.04	1.2	0.0	3.19	10.91
09:35	3.04	1.2	0.0	3.19	10.91
09:40	3.04	1.2	0.0	3.19	10.91
09:45	3.04	1.2	0.0	3.19	10.91
09:50	3.04	1.2	0.0	3.18	10.91
09:55	3.04	1.2	0.0	3.18	10.91
10:00	3.03	1.2	0.0	3.18	10.91
10:05	3.03	1.2	0.0	3.18	10.91
10:10	3.03	1.2	0.0	3.18	10.91
10:15	3.03	1.2	0.0	3.18	10.91
10:20	3.03	1.2	0.0	3.18	10.91
10:25	3.03	1.2	0.0	3.17	10.91
10:30	3.03	1.2	0.0	3.17	10.91
10:35	3.03	1.2	0.0	3.17	10.91

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.7	0.01
00:10	0.019	0.008	0.012	2.7	0.03
00:15	0.019	0.008	0.012	2.9	0.05
00:20	0.019	0.008	0.012	3.0	0.07
00:25	0.019	0.008	0.012	3.1	0.09
00:30	0.022	0.008	0.015	3.7	0.12
00:35	0.022	0.008	0.015	3.9	0.14
00:40	0.022	0.008	0.015	3.9	0.17
00:45	0.022	0.008	0.015	4.0	0.20
00:50	0.022	0.008	0.015	4.0	0.23
00:55	0.022	0.008	0.015	4.0	0.25
01:00	0.026	0.008	0.018	4.6	0.29
01:05	0.026	0.008	0.018	4.7	0.32
01:10	0.026	0.008	0.018	4.8	0.35
01:15	0.026	0.008	0.018	4.8	0.38
01:20	0.026	0.008	0.018	4.8	0.42
01:25	0.026	0.008	0.018	4.8	0.45
01:30	0.026	0.008	0.018	4.8	0.48
01:35	0.026	0.008	0.018	4.8	0.52
01:40	0.026	0.008	0.018	4.8	0.55
01:45	0.026	0.008	0.018	4.8	0.58
01:50	0.026	0.008	0.018	4.8	0.62
01:55	0.026	0.008	0.018	4.8	0.65
02:00	0.029	0.008	0.021	5.5	0.69
02:05	0.026	0.008	0.018	5.0	0.72
02:10	0.029	0.008	0.021	5.5	0.76
02:15	0.029	0.008	0.021	5.6	0.80
02:20	0.029	0.008	0.021	5.6	0.84
02:25	0.029	0.008	0.021	5.7	0.88
02:30	0.029	0.008	0.021	5.7	0.91
02:35	0.029	0.008	0.021	5.7	0.95
02:40	0.029	0.008	0.021	5.7	0.99
02:45	0.032	0.008	0.025	6.3	1.04
02:50	0.032	0.008	0.025	6.4	1.08
02:55	0.032	0.008	0.025	6.5	1.13
03:00	0.032	0.008	0.025	6.5	1.17
03:05	0.032	0.008	0.025	6.5	1.21
03:10	0.035	0.008	0.028	7.2	1.26
03:15	0.035	0.008	0.028	7.3	1.31
03:20	0.035	0.008	0.028	7.3	1.36
03:25	0.038	0.008	0.031	8.0	1.42
03:30	0.042	0.008	0.034	8.8	1.48
03:35	0.045	0.008	0.037	9.6	1.55
03:40	0.045	0.008	0.037	9.8	1.61
03:45	0.048	0.008	0.041	10.5	1.69
03:50	0.048	0.008	0.041	10.7	1.76
03:55	0.051	0.008	0.044	11.4	1.84
04:00	0.051	0.008	0.044	11.5	1.92
04:05	0.054	0.008	0.047	12.2	2.00
04:10	0.058	0.008	0.050	13.0	2.09
04:15	0.061	0.008	0.053	13.8	2.19
04:20	0.064	0.008	0.057	14.7	2.29
04:25	0.067	0.008	0.060	15.5	2.39
04:30	0.067	0.008	0.060	15.8	2.50
04:35	0.070	0.008	0.063	16.5	2.62
04:40	0.074	0.008	0.066	17.3	2.74
04:45	0.077	0.008	0.069	18.1	2.86
04:50	0.077	0.008	0.069	18.3	2.99
04:55	0.080	0.008	0.073	19.0	3.12
05:00	0.083	0.008	0.076	19.8	3.25
05:05	0.099	0.008	0.092	23.2	3.41
05:10	0.115	0.008	0.108	27.1	3.60
05:15	0.125	0.008	0.117	29.9	3.81
05:20	0.134	0.008	0.127	32.6	4.03
05:25	0.150	0.008	0.143	36.5	4.28

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	43.1	4.58
05:35	0.061	0.008	0.053	21.5	4.73
05:40	0.029	0.008	0.021	10.4	4.80
05:45	0.019	0.008	0.012	6.3	4.84
05:50	0.016	0.008	0.009	3.9	4.87
05:55	0.010	0.005	0.005	1.9	4.88
06:00	0.006	0.003	0.003	1.2	4.89
06:05	0.000	0.000	0.000	0.3	4.89
06:10	0.000	0.000	0.000	0.1	4.89
06:15	0.000	0.000	0.000	0.1	4.89
06:20	0.000	0.000	0.000	0.0	4.89
06:25	0.000	0.000	0.000	0.0	4.89
06:30	0.000	0.000	0.000	0.0	4.89
06:35	0.000	0.000	0.000	0.0	4.89
06:40	0.000	0.000	0.000	0.0	4.89
06:45	0.000	0.000	0.000	0.0	4.89
06:50	0.000	0.000	0.000	0.0	4.89
06:55	0.000	0.000	0.000	0.0	4.89
07:00	0.000	0.000	0.000	0.0	4.89
07:05	0.000	0.000	0.000	0.0	4.89
07:10	0.000	0.000	0.000	0.0	4.89
07:15	0.000	0.000	0.000	0.0	4.89
07:20	0.000	0.000	0.000	0.0	4.89
07:25	0.000	0.000	0.000	0.0	4.89
07:30	0.000	0.000	0.000	0.0	4.89
07:35	0.000	0.000	0.000	0.0	4.89
07:40	0.000	0.000	0.000	0.0	4.89
07:45	0.000	0.000	0.000	0.0	4.89
07:50	0.000	0.000	0.000	0.0	4.89
07:55	0.000	0.000	0.000	0.0	4.89
08:00	0.000	0.000	0.000	0.0	4.89
08:05	0.000	0.000	0.000	0.0	4.89
08:10	0.000	0.000	0.000	0.0	4.89
08:15	0.000	0.000	0.000	0.0	4.89
08:20	0.000	0.000	0.000	0.0	4.89
08:25	0.000	0.000	0.000	0.0	4.89
08:30	0.000	0.000	0.000	0.0	4.89
08:35	0.000	0.000	0.000	0.0	4.89
08:40	0.000	0.000	0.000	0.0	4.89
08:45	0.000	0.000	0.000	0.0	4.89
08:50	0.000	0.000	0.000	0.0	4.89
08:55	0.000	0.000	0.000	0.0	4.89
09:00	0.000	0.000	0.000	0.0	4.89
09:05	0.000	0.000	0.000	0.0	4.89
09:10	0.000	0.000	0.000	0.0	4.89
09:15	0.000	0.000	0.000	0.0	4.89
09:20	0.000	0.000	0.000	0.0	4.89
09:25	0.000	0.000	0.000	0.0	4.89
09:30	0.000	0.000	0.000	0.0	4.89
09:35	0.000	0.000	0.000	0.0	4.89
09:40	0.000	0.000	0.000	0.0	4.89
09:45	0.000	0.000	0.000	0.0	4.89
09:50	0.000	0.000	0.000	0.0	4.89
09:55	0.000	0.000	0.000	0.0	4.89
10:00	0.000	0.000	0.000	0.0	4.89
10:05	0.000	0.000	0.000	0.0	4.89
10:10	0.000	0.000	0.000	0.0	4.89
10:15	0.000	0.000	0.000	0.0	4.89
10:20	0.000	0.000	0.000	0.0	4.89
10:25	0.000	0.000	0.000	0.0	4.89
10:30	0.000	0.000	0.000	0.0	4.89
10:35	0.000	0.000	0.000	0.0	4.89

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.8	1.7	0.01	0.01
00:10	0.02	0.8	2.7	0.02	0.03
00:15	0.05	0.8	2.9	0.04	0.05
00:20	0.07	0.8	3.0	0.06	0.07
00:25	0.09	0.8	3.1	0.08	0.09
00:30	0.12	0.8	3.7	0.10	0.12
00:35	0.15	0.8	3.9	0.13	0.14
00:40	0.18	0.9	3.9	0.16	0.17
00:45	0.21	0.9	4.0	0.19	0.20
00:50	0.24	0.9	4.0	0.21	0.23
00:55	0.27	0.9	4.0	0.24	0.25
01:00	0.31	0.9	4.6	0.27	0.29
01:05	0.35	0.9	4.7	0.30	0.32
01:10	0.38	0.9	4.8	0.33	0.35
01:15	0.42	0.9	4.8	0.37	0.38
01:20	0.46	0.9	4.8	0.40	0.42
01:25	0.50	0.9	4.8	0.43	0.45
01:30	0.53	0.9	4.8	0.47	0.48
01:35	0.57	0.9	4.8	0.50	0.52
01:40	0.61	0.9	4.8	0.53	0.55
01:45	0.65	0.9	4.8	0.57	0.58
01:50	0.69	0.9	4.8	0.60	0.62
01:55	0.73	0.9	4.8	0.63	0.65
02:00	0.77	0.9	5.5	0.67	0.69
02:05	0.81	0.9	5.0	0.70	0.72
02:10	0.85	0.9	5.5	0.74	0.76
02:15	0.89	0.9	5.6	0.78	0.80
02:20	0.94	0.9	5.6	0.82	0.84
02:25	0.98	0.9	5.7	0.86	0.88
02:30	1.02	0.9	5.7	0.90	0.91
02:35	1.06	0.9	5.7	0.93	0.95
02:40	1.11	0.9	5.7	0.97	0.99
02:45	1.15	0.9	6.3	1.01	1.04
02:50	1.20	0.9	6.4	1.06	1.08
02:55	1.24	0.9	6.5	1.10	1.13
03:00	1.29	0.9	6.5	1.15	1.17
03:05	1.34	0.9	6.5	1.19	1.21
03:10	1.39	0.9	7.2	1.24	1.26
03:15	1.44	0.9	7.3	1.29	1.31
03:20	1.49	0.9	7.3	1.34	1.36
03:25	1.55	0.9	8.0	1.39	1.42
03:30	1.61	1.0	8.8	1.45	1.48
03:35	1.68	1.0	9.6	1.51	1.55
03:40	1.75	1.0	9.8	1.58	1.61
03:45	1.82	1.0	10.5	1.65	1.69
03:50	1.90	1.0	10.7	1.72	1.76
03:55	1.98	1.0	11.4	1.80	1.84
04:00	2.06	1.0	11.5	1.88	1.92
04:05	2.14	1.0	12.2	1.96	2.00
04:10	2.22	1.0	13.0	2.05	2.09
04:15	2.31	1.0	13.8	2.14	2.19
04:20	2.41	1.0	14.7	2.24	2.29
04:25	2.51	1.0	15.5	2.34	2.39
04:30	2.62	1.0	15.8	2.45	2.50
04:35	2.73	1.0	16.5	2.56	2.62
04:40	2.84	1.0	17.3	2.68	2.74
04:45	2.96	1.1	18.1	2.80	2.86
04:50	3.07	1.1	18.3	2.92	2.99
04:55	3.18	1.1	19.0	3.04	3.12
05:00	3.28	1.1	19.8	3.15	3.25
05:05	3.38	1.1	23.2	3.25	3.41
05:10	3.47	1.1	27.1	3.36	3.60
05:15	3.57	1.1	29.9	3.47	3.81
05:20	3.67	1.1	32.6	3.58	4.03
05:25	3.76	1.1	36.5	3.68	4.28

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.86	1.1	43.1	3.78	4.58
05:35	3.89	1.1	21.5	3.82	4.73
05:40	3.83	1.1	10.4	3.75	4.80
05:45	3.74	1.1	6.3	3.65	4.84
05:50	3.65	1.1	3.9	3.56	4.87
05:55	3.57	1.1	1.9	3.47	4.88
06:00	3.50	1.1	1.2	3.39	4.89
06:05	3.44	1.1	0.3	3.32	4.89
06:10	3.38	1.1	0.1	3.26	4.89
06:15	3.34	1.1	0.1	3.21	4.89
06:20	3.30	1.1	0.0	3.17	4.89
06:25	3.27	1.1	0.0	3.14	4.89
06:30	3.24	1.1	0.0	3.11	4.89
06:35	3.22	1.1	0.0	3.08	4.89
06:40	3.20	1.1	0.0	3.06	4.89
06:45	3.18	1.1	0.0	3.04	4.89
06:50	3.17	1.1	0.0	3.03	4.89
06:55	3.16	1.1	0.0	3.01	4.89
07:00	3.14	1.1	0.0	3.00	4.89
07:05	3.13	1.1	0.0	2.99	4.89
07:10	3.12	1.1	0.0	2.98	4.89
07:15	3.11	1.1	0.0	2.97	4.89
07:20	3.11	1.1	0.0	2.96	4.89
07:25	3.10	1.1	0.0	2.95	4.89
07:30	3.09	1.1	0.0	2.94	4.89
07:35	3.09	1.1	0.0	2.94	4.89
07:40	3.08	1.1	0.0	2.93	4.89
07:45	3.08	1.1	0.0	2.93	4.89
07:50	3.07	1.1	0.0	2.92	4.89
07:55	3.07	1.1	0.0	2.92	4.89
08:00	3.07	1.1	0.0	2.91	4.89
08:05	3.06	1.1	0.0	2.91	4.89
08:10	3.06	1.1	0.0	2.91	4.89
08:15	3.06	1.1	0.0	2.90	4.89
08:20	3.05	1.1	0.0	2.90	4.89
08:25	3.05	1.1	0.0	2.90	4.89
08:30	3.05	1.1	0.0	2.89	4.89
08:35	3.05	1.1	0.0	2.89	4.89
08:40	3.05	1.1	0.0	2.89	4.89
08:45	3.04	1.1	0.0	2.89	4.89
08:50	3.04	1.1	0.0	2.89	4.89
08:55	3.04	1.1	0.0	2.88	4.89
09:00	3.04	1.1	0.0	2.88	4.89
09:05	3.04	1.1	0.0	2.88	4.89
09:10	3.04	1.1	0.0	2.88	4.89
09:15	3.03	1.1	0.0	2.88	4.89
09:20	3.03	1.1	0.0	2.88	4.89
09:25	3.03	1.1	0.0	2.87	4.89
09:30	3.03	1.1	0.0	2.87	4.89
09:35	3.03	1.1	0.0	2.87	4.89
09:40	3.03	1.1	0.0	2.87	4.89
09:45	3.03	1.1	0.0	2.87	4.89
09:50	3.03	1.1	0.0	2.87	4.89
09:55	3.03	1.1	0.0	2.87	4.89
10:00	3.02	1.1	0.0	2.87	4.89
10:05	3.02	1.1	0.0	2.87	4.89
10:10	3.02	1.1	0.0	2.87	4.89
10:15	3.02	1.1	0.0	2.87	4.89
10:20	3.02	1.1	0.0	2.86	4.89
10:25	3.02	1.1	0.0	2.86	4.89
10:30	3.02	1.1	0.0	2.86	4.89
10:35	3.02	1.1	0.0	2.86	4.89

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.021	0.002	0.1	0.00
00:35	0.022	0.021	0.002	0.2	0.00
00:40	0.022	0.021	0.002	0.2	0.00
00:45	0.022	0.021	0.002	0.3	0.01
00:50	0.022	0.021	0.002	0.3	0.01
00:55	0.022	0.021	0.002	0.3	0.01
01:00	0.026	0.021	0.005	0.5	0.01
01:05	0.026	0.021	0.005	0.7	0.02
01:10	0.026	0.021	0.005	0.8	0.02
01:15	0.026	0.021	0.005	0.8	0.03
01:20	0.026	0.021	0.005	0.8	0.03
01:25	0.026	0.021	0.005	0.8	0.04
01:30	0.026	0.021	0.005	0.8	0.05
01:35	0.026	0.021	0.005	0.8	0.05
01:40	0.026	0.021	0.005	0.8	0.06
01:45	0.026	0.021	0.005	0.8	0.06
01:50	0.026	0.021	0.005	0.8	0.07
01:55	0.026	0.021	0.005	0.8	0.07
02:00	0.029	0.021	0.008	1.1	0.08
02:05	0.026	0.021	0.005	1.0	0.09
02:10	0.029	0.021	0.008	1.2	0.10
02:15	0.029	0.021	0.008	1.3	0.11
02:20	0.029	0.021	0.008	1.3	0.11
02:25	0.029	0.021	0.008	1.4	0.12
02:30	0.029	0.021	0.008	1.4	0.13
02:35	0.029	0.021	0.008	1.4	0.14
02:40	0.029	0.021	0.008	1.4	0.15
02:45	0.032	0.021	0.011	1.7	0.16
02:50	0.032	0.021	0.011	1.8	0.18
02:55	0.032	0.021	0.011	1.9	0.19
03:00	0.032	0.021	0.011	1.9	0.20
03:05	0.032	0.021	0.011	1.9	0.22
03:10	0.035	0.021	0.014	2.2	0.23
03:15	0.035	0.021	0.014	2.4	0.25
03:20	0.035	0.021	0.014	2.4	0.26
03:25	0.038	0.021	0.018	2.7	0.28
03:30	0.042	0.021	0.021	3.2	0.31
03:35	0.045	0.021	0.024	3.7	0.33
03:40	0.045	0.021	0.024	3.9	0.36
03:45	0.048	0.021	0.027	4.3	0.39
03:50	0.048	0.021	0.027	4.5	0.42
03:55	0.051	0.021	0.030	4.9	0.45
04:00	0.051	0.021	0.030	5.1	0.49
04:05	0.054	0.021	0.034	5.5	0.53
04:10	0.058	0.021	0.037	6.0	0.57
04:15	0.061	0.021	0.040	6.5	0.61
04:20	0.064	0.021	0.043	7.0	0.66
04:25	0.067	0.021	0.046	7.5	0.71
04:30	0.067	0.021	0.046	7.8	0.76
04:35	0.070	0.021	0.050	8.2	0.82
04:40	0.074	0.021	0.053	8.7	0.88
04:45	0.077	0.021	0.056	9.3	0.95
04:50	0.077	0.021	0.056	9.5	1.01
04:55	0.080	0.021	0.059	9.9	1.08
05:00	0.083	0.021	0.062	10.4	1.15
05:05	0.099	0.021	0.078	12.0	1.23
05:10	0.115	0.021	0.094	14.3	1.33
05:15	0.125	0.021	0.104	16.2	1.44
05:20	0.134	0.021	0.114	18.0	1.57
05:25	0.150	0.021	0.130	20.2	1.71

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.021	0.158	23.8	1.87
05:35	0.061	0.021	0.040	15.8	1.98
05:40	0.029	0.021	0.008	8.0	2.03
05:45	0.019	0.019	0.000	4.2	2.06
05:50	0.016	0.016	0.000	2.4	2.08
05:55	0.010	0.010	0.000	1.8	2.09
06:00	0.006	0.006	0.000	1.4	2.10
06:05	0.000	0.000	0.000	0.9	2.11
06:10	0.000	0.000	0.000	0.3	2.11
06:15	0.000	0.000	0.000	0.1	2.11
06:20	0.000	0.000	0.000	0.0	2.11
06:25	0.000	0.000	0.000	0.0	2.11
06:30	0.000	0.000	0.000	0.0	2.11
06:35	0.000	0.000	0.000	0.0	2.11
06:40	0.000	0.000	0.000	0.0	2.11
06:45	0.000	0.000	0.000	0.0	2.11
06:50	0.000	0.000	0.000	0.0	2.11
06:55	0.000	0.000	0.000	0.0	2.11
07:00	0.000	0.000	0.000	0.0	2.11
07:05	0.000	0.000	0.000	0.0	2.11
07:10	0.000	0.000	0.000	0.0	2.11
07:15	0.000	0.000	0.000	0.0	2.11
07:20	0.000	0.000	0.000	0.0	2.11
07:25	0.000	0.000	0.000	0.0	2.11
07:30	0.000	0.000	0.000	0.0	2.11
07:35	0.000	0.000	0.000	0.0	2.11
07:40	0.000	0.000	0.000	0.0	2.11
07:45	0.000	0.000	0.000	0.0	2.11
07:50	0.000	0.000	0.000	0.0	2.11
07:55	0.000	0.000	0.000	0.0	2.11
08:00	0.000	0.000	0.000	0.0	2.11
08:05	0.000	0.000	0.000	0.0	2.11
08:10	0.000	0.000	0.000	0.0	2.11
08:15	0.000	0.000	0.000	0.0	2.11
08:20	0.000	0.000	0.000	0.0	2.11
08:25	0.000	0.000	0.000	0.0	2.11
08:30	0.000	0.000	0.000	0.0	2.11
08:35	0.000	0.000	0.000	0.0	2.11
08:40	0.000	0.000	0.000	0.0	2.11
08:45	0.000	0.000	0.000	0.0	2.11
08:50	0.000	0.000	0.000	0.0	2.11
08:55	0.000	0.000	0.000	0.0	2.11
09:00	0.000	0.000	0.000	0.0	2.11
09:05	0.000	0.000	0.000	0.0	2.11
09:10	0.000	0.000	0.000	0.0	2.11
09:15	0.000	0.000	0.000	0.0	2.11
09:20	0.000	0.000	0.000	0.0	2.11
09:25	0.000	0.000	0.000	0.0	2.11
09:30	0.000	0.000	0.000	0.0	2.11
09:35	0.000	0.000	0.000	0.0	2.11
09:40	0.000	0.000	0.000	0.0	2.11
09:45	0.000	0.000	0.000	0.0	2.11
09:50	0.000	0.000	0.000	0.0	2.11
09:55	0.000	0.000	0.000	0.0	2.11
10:00	0.000	0.000	0.000	0.0	2.11
10:05	0.000	0.000	0.000	0.0	2.11
10:10	0.000	0.000	0.000	0.0	2.11
10:15	0.000	0.000	0.000	0.0	2.11
10:20	0.000	0.000	0.000	0.0	2.11
10:25	0.000	0.000	0.000	0.0	2.11
10:30	0.000	0.000	0.000	0.0	2.11
10:35	0.000	0.000	0.000	0.0	2.11

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.010	0.006	0.6	0.00
00:10	0.019	0.012	0.007	1.0	0.01
00:15	0.019	0.012	0.007	1.1	0.02
00:20	0.019	0.012	0.007	1.2	0.03
00:25	0.019	0.012	0.007	1.2	0.04
00:30	0.022	0.012	0.010	1.6	0.05
00:35	0.022	0.012	0.010	1.8	0.06
00:40	0.022	0.012	0.010	1.8	0.07
00:45	0.022	0.012	0.010	1.9	0.08
00:50	0.022	0.012	0.010	1.9	0.10
00:55	0.022	0.012	0.010	1.9	0.11
01:00	0.026	0.012	0.013	2.3	0.13
01:05	0.026	0.012	0.013	2.4	0.14
01:10	0.026	0.012	0.013	2.5	0.16
01:15	0.026	0.012	0.013	2.5	0.18
01:20	0.026	0.012	0.013	2.5	0.19
01:25	0.026	0.012	0.013	2.5	0.21
01:30	0.026	0.012	0.013	2.5	0.23
01:35	0.026	0.012	0.013	2.5	0.25
01:40	0.026	0.012	0.013	2.5	0.26
01:45	0.026	0.012	0.013	2.5	0.28
01:50	0.026	0.012	0.013	2.5	0.30
01:55	0.026	0.012	0.013	2.5	0.31
02:00	0.029	0.012	0.016	2.9	0.33
02:05	0.026	0.012	0.013	2.7	0.35
02:10	0.029	0.012	0.016	2.9	0.37
02:15	0.029	0.012	0.016	3.0	0.39
02:20	0.029	0.012	0.016	3.1	0.41
02:25	0.029	0.012	0.016	3.1	0.44
02:30	0.029	0.012	0.016	3.1	0.46
02:35	0.029	0.012	0.016	3.1	0.48
02:40	0.029	0.012	0.016	3.1	0.50
02:45	0.032	0.012	0.020	3.5	0.52
02:50	0.032	0.012	0.020	3.6	0.55
02:55	0.032	0.012	0.020	3.7	0.57
03:00	0.032	0.012	0.020	3.7	0.60
03:05	0.032	0.012	0.020	3.7	0.63
03:10	0.035	0.012	0.023	4.1	0.65
03:15	0.035	0.012	0.023	4.2	0.68
03:20	0.035	0.012	0.023	4.3	0.71
03:25	0.038	0.012	0.026	4.7	0.74
03:30	0.042	0.012	0.029	5.2	0.78
03:35	0.045	0.012	0.032	5.7	0.82
03:40	0.045	0.012	0.032	6.0	0.86
03:45	0.048	0.012	0.036	6.4	0.90
03:50	0.048	0.012	0.036	6.6	0.95
03:55	0.051	0.012	0.039	7.0	1.00
04:00	0.051	0.012	0.039	7.2	1.05
04:05	0.054	0.012	0.042	7.7	1.10
04:10	0.058	0.012	0.045	8.2	1.16
04:15	0.061	0.012	0.048	8.8	1.22
04:20	0.064	0.012	0.052	9.4	1.28
04:25	0.067	0.012	0.055	10.0	1.35
04:30	0.067	0.012	0.055	10.2	1.42
04:35	0.070	0.012	0.058	10.7	1.50
04:40	0.074	0.012	0.061	11.2	1.57
04:45	0.077	0.012	0.064	11.8	1.65
04:50	0.077	0.012	0.064	12.1	1.74
04:55	0.080	0.012	0.068	12.5	1.82
05:00	0.083	0.012	0.071	13.1	1.91
05:05	0.099	0.012	0.087	15.1	2.02
05:10	0.115	0.012	0.103	17.7	2.14
05:15	0.125	0.012	0.112	19.8	2.28
05:20	0.134	0.012	0.122	21.6	2.42
05:25	0.150	0.012	0.138	24.2	2.59

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.012	0.167	28.5	2.79
05:35	0.061	0.012	0.048	17.2	2.91
05:40	0.029	0.012	0.016	9.1	2.97
05:45	0.019	0.012	0.007	4.8	3.00
05:50	0.016	0.010	0.006	3.4	3.02
05:55	0.010	0.006	0.003	2.5	3.04
06:00	0.006	0.004	0.002	1.6	3.05
06:05	0.000	0.000	0.000	0.5	3.06
06:10	0.000	0.000	0.000	0.2	3.06
06:15	0.000	0.000	0.000	0.1	3.06
06:20	0.000	0.000	0.000	0.1	3.06
06:25	0.000	0.000	0.000	0.0	3.06
06:30	0.000	0.000	0.000	0.0	3.06
06:35	0.000	0.000	0.000	0.0	3.06
06:40	0.000	0.000	0.000	0.0	3.06
06:45	0.000	0.000	0.000	0.0	3.06
06:50	0.000	0.000	0.000	0.0	3.06
06:55	0.000	0.000	0.000	0.0	3.06
07:00	0.000	0.000	0.000	0.0	3.06
07:05	0.000	0.000	0.000	0.0	3.06
07:10	0.000	0.000	0.000	0.0	3.06
07:15	0.000	0.000	0.000	0.0	3.06
07:20	0.000	0.000	0.000	0.0	3.06
07:25	0.000	0.000	0.000	0.0	3.06
07:30	0.000	0.000	0.000	0.0	3.06
07:35	0.000	0.000	0.000	0.0	3.06
07:40	0.000	0.000	0.000	0.0	3.06
07:45	0.000	0.000	0.000	0.0	3.06
07:50	0.000	0.000	0.000	0.0	3.06
07:55	0.000	0.000	0.000	0.0	3.06
08:00	0.000	0.000	0.000	0.0	3.06
08:05	0.000	0.000	0.000	0.0	3.06
08:10	0.000	0.000	0.000	0.0	3.06
08:15	0.000	0.000	0.000	0.0	3.06
08:20	0.000	0.000	0.000	0.0	3.06
08:25	0.000	0.000	0.000	0.0	3.06
08:30	0.000	0.000	0.000	0.0	3.06
08:35	0.000	0.000	0.000	0.0	3.06
08:40	0.000	0.000	0.000	0.0	3.06
08:45	0.000	0.000	0.000	0.0	3.06
08:50	0.000	0.000	0.000	0.0	3.06
08:55	0.000	0.000	0.000	0.0	3.06
09:00	0.000	0.000	0.000	0.0	3.06
09:05	0.000	0.000	0.000	0.0	3.06
09:10	0.000	0.000	0.000	0.0	3.06
09:15	0.000	0.000	0.000	0.0	3.06
09:20	0.000	0.000	0.000	0.0	3.06
09:25	0.000	0.000	0.000	0.0	3.06
09:30	0.000	0.000	0.000	0.0	3.06
09:35	0.000	0.000	0.000	0.0	3.06
09:40	0.000	0.000	0.000	0.0	3.06
09:45	0.000	0.000	0.000	0.0	3.06
09:50	0.000	0.000	0.000	0.0	3.06
09:55	0.000	0.000	0.000	0.0	3.06
10:00	0.000	0.000	0.000	0.0	3.06
10:05	0.000	0.000	0.000	0.0	3.06
10:10	0.000	0.000	0.000	0.0	3.06
10:15	0.000	0.000	0.000	0.0	3.06
10:20	0.000	0.000	0.000	0.0	3.06
10:25	0.000	0.000	0.000	0.0	3.06
10:30	0.000	0.000	0.000	0.0	3.06
10:35	0.000	0.000	0.000	0.0	3.06

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.5	0.6	0.00	0.00
00:10	0.01	0.5	1.0	0.01	0.01
00:15	0.03	0.5	1.1	0.02	0.02
00:20	0.04	0.5	1.2	0.02	0.03
00:25	0.06	0.5	1.2	0.03	0.04
00:30	0.07	0.5	1.6	0.04	0.05
00:35	0.09	0.5	1.8	0.05	0.06
00:40	0.12	0.5	1.8	0.07	0.07
00:45	0.14	0.5	1.9	0.08	0.08
00:50	0.16	0.5	1.9	0.09	0.10
00:55	0.19	0.5	1.9	0.10	0.11
01:00	0.21	0.5	2.3	0.12	0.13
01:05	0.24	0.5	2.4	0.13	0.14
01:10	0.27	0.5	2.5	0.15	0.16
01:15	0.30	0.5	2.5	0.17	0.18
01:20	0.33	0.5	2.5	0.18	0.19
01:25	0.36	0.6	2.5	0.20	0.21
01:30	0.39	0.6	2.5	0.22	0.23
01:35	0.42	0.6	2.5	0.24	0.25
01:40	0.46	0.6	2.5	0.25	0.26
01:45	0.49	0.6	2.5	0.27	0.28
01:50	0.52	0.6	2.5	0.29	0.30
01:55	0.55	0.6	2.5	0.31	0.31
02:00	0.58	0.6	2.9	0.32	0.33
02:05	0.62	0.6	2.7	0.34	0.35
02:10	0.65	0.6	2.9	0.36	0.37
02:15	0.69	0.6	3.0	0.38	0.39
02:20	0.72	0.6	3.1	0.40	0.41
02:25	0.76	0.6	3.1	0.43	0.44
02:30	0.80	0.6	3.1	0.45	0.46
02:35	0.84	0.6	3.1	0.47	0.48
02:40	0.88	0.6	3.1	0.49	0.50
02:45	0.92	0.6	3.5	0.51	0.52
02:50	0.96	0.6	3.6	0.54	0.55
02:55	1.01	0.6	3.7	0.56	0.57
03:00	1.05	0.6	3.7	0.59	0.60
03:05	1.09	0.6	3.7	0.61	0.63
03:10	1.13	0.6	4.1	0.64	0.65
03:15	1.18	0.6	4.2	0.67	0.68
03:20	1.23	0.6	4.3	0.70	0.71
03:25	1.28	0.6	4.7	0.73	0.74
03:30	1.33	0.6	5.2	0.76	0.78
03:35	1.39	0.6	5.7	0.80	0.82
03:40	1.46	0.6	6.0	0.84	0.86
03:45	1.53	0.6	6.4	0.88	0.90
03:50	1.60	0.6	6.6	0.93	0.95
03:55	1.68	0.6	7.0	0.97	1.00
04:00	1.76	0.6	7.2	1.02	1.05
04:05	1.84	0.6	7.7	1.08	1.10
04:10	1.93	0.6	8.2	1.13	1.16
04:15	2.02	0.6	8.8	1.19	1.22
04:20	2.11	0.7	9.4	1.25	1.28
04:25	2.21	0.7	10.0	1.32	1.35
04:30	2.31	0.7	10.2	1.39	1.42
04:35	2.42	0.7	10.7	1.46	1.50
04:40	2.53	0.7	11.2	1.53	1.57
04:45	2.65	0.7	11.8	1.61	1.65
04:50	2.77	0.7	12.1	1.70	1.74
04:55	2.89	0.7	12.5	1.78	1.82
05:00	3.02	0.7	13.1	1.87	1.91
05:05	3.15	0.7	15.1	1.96	2.02
05:10	3.28	0.7	17.7	2.06	2.14
05:15	3.40	0.7	19.8	2.15	2.28
05:20	3.52	0.7	21.6	2.24	2.42
05:25	3.64	0.8	24.2	2.33	2.59

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.75	0.8	28.5	2.41	2.79
05:35	3.81	0.8	17.2	2.45	2.91
05:40	3.77	0.8	9.1	2.43	2.97
05:45	3.70	0.8	4.8	2.37	3.00
05:50	3.62	0.8	3.4	2.31	3.02
05:55	3.55	0.7	2.5	2.26	3.04
06:00	3.48	0.7	1.6	2.21	3.05
06:05	3.43	0.7	0.5	2.17	3.06
06:10	3.37	0.7	0.2	2.13	3.06
06:15	3.33	0.7	0.1	2.10	3.06
06:20	3.29	0.7	0.1	2.07	3.06
06:25	3.26	0.7	0.0	2.05	3.06
06:30	3.23	0.7	0.0	2.03	3.06
06:35	3.21	0.7	0.0	2.01	3.06
06:40	3.19	0.7	0.0	1.99	3.06
06:45	3.17	0.7	0.0	1.98	3.06
06:50	3.16	0.7	0.0	1.97	3.06
06:55	3.14	0.7	0.0	1.96	3.06
07:00	3.13	0.7	0.0	1.95	3.06
07:05	3.12	0.7	0.0	1.94	3.06
07:10	3.11	0.7	0.0	1.94	3.06
07:15	3.11	0.7	0.0	1.93	3.06
07:20	3.10	0.7	0.0	1.93	3.06
07:25	3.09	0.7	0.0	1.92	3.06
07:30	3.09	0.7	0.0	1.92	3.06
07:35	3.08	0.7	0.0	1.91	3.06
07:40	3.08	0.7	0.0	1.91	3.06
07:45	3.07	0.7	0.0	1.91	3.06
07:50	3.07	0.7	0.0	1.90	3.06
07:55	3.06	0.7	0.0	1.90	3.06
08:00	3.06	0.7	0.0	1.90	3.06
08:05	3.06	0.7	0.0	1.90	3.06
08:10	3.05	0.7	0.0	1.89	3.06
08:15	3.05	0.7	0.0	1.89	3.06
08:20	3.05	0.7	0.0	1.89	3.06
08:25	3.05	0.7	0.0	1.89	3.06
08:30	3.04	0.7	0.0	1.89	3.06
08:35	3.04	0.7	0.0	1.88	3.06
08:40	3.04	0.7	0.0	1.88	3.06
08:45	3.04	0.7	0.0	1.88	3.06
08:50	3.04	0.7	0.0	1.88	3.06
08:55	3.04	0.7	0.0	1.88	3.06
09:00	3.03	0.7	0.0	1.88	3.06
09:05	3.03	0.7	0.0	1.88	3.06
09:10	3.03	0.7	0.0	1.88	3.06
09:15	3.03	0.7	0.0	1.88	3.06
09:20	3.03	0.7	0.0	1.87	3.06
09:25	3.03	0.7	0.0	1.87	3.06
09:30	3.03	0.7	0.0	1.87	3.06
09:35	3.03	0.7	0.0	1.87	3.06
09:40	3.03	0.7	0.0	1.87	3.06
09:45	3.02	0.7	0.0	1.87	3.06
09:50	3.02	0.7	0.0	1.87	3.06
09:55	3.02	0.7	0.0	1.87	3.06
10:00	3.02	0.7	0.0	1.87	3.06
10:05	3.02	0.7	0.0	1.87	3.06
10:10	3.02	0.7	0.0	1.87	3.06
10:15	3.02	0.7	0.0	1.87	3.06
10:20	3.02	0.7	0.0	1.87	3.06
10:25	3.02	0.7	0.0	1.87	3.06
10:30	3.02	0.7	0.0	1.87	3.06
10:35	3.02	0.7	0.0	1.87	3.06

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.032	0.000	0.0	0.00
02:50	0.032	0.032	0.000	0.0	0.00
02:55	0.032	0.032	0.000	0.0	0.00
03:00	0.032	0.032	0.000	0.0	0.00
03:05	0.032	0.032	0.000	0.0	0.00
03:10	0.035	0.032	0.004	0.1	0.00
03:15	0.035	0.032	0.004	0.2	0.00
03:20	0.035	0.032	0.004	0.2	0.00
03:25	0.038	0.032	0.007	0.3	0.01
03:30	0.042	0.032	0.010	0.5	0.01
03:35	0.045	0.032	0.013	0.7	0.01
03:40	0.045	0.032	0.013	0.8	0.02
03:45	0.048	0.032	0.016	0.9	0.03
03:50	0.048	0.032	0.016	1.0	0.03
03:55	0.051	0.032	0.020	1.1	0.04
04:00	0.051	0.032	0.020	1.2	0.05
04:05	0.054	0.032	0.023	1.3	0.06
04:10	0.058	0.032	0.026	1.5	0.07
04:15	0.061	0.032	0.029	1.7	0.08
04:20	0.064	0.032	0.032	1.9	0.09
04:25	0.067	0.032	0.036	2.1	0.11
04:30	0.067	0.032	0.036	2.2	0.12
04:35	0.070	0.032	0.039	2.3	0.14
04:40	0.074	0.032	0.042	2.5	0.16
04:45	0.077	0.032	0.045	2.7	0.17
04:50	0.077	0.032	0.045	2.8	0.19
04:55	0.080	0.032	0.048	3.0	0.21
05:00	0.083	0.032	0.052	3.2	0.24
05:05	0.099	0.032	0.068	3.8	0.26
05:10	0.115	0.032	0.084	4.6	0.29
05:15	0.125	0.032	0.093	5.3	0.33
05:20	0.134	0.032	0.103	6.0	0.37
05:25	0.150	0.032	0.119	6.8	0.42

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.032	0.148	8.1	0.47
05:35	0.061	0.032	0.029	5.1	0.51
05:40	0.029	0.029	0.000	2.3	0.52
05:45	0.019	0.019	0.000	1.2	0.53
05:50	0.016	0.016	0.000	0.8	0.54
05:55	0.010	0.010	0.000	0.6	0.54
06:00	0.006	0.006	0.000	0.4	0.54
06:05	0.000	0.000	0.000	0.3	0.55
06:10	0.000	0.000	0.000	0.1	0.55
06:15	0.000	0.000	0.000	0.0	0.55
06:20	0.000	0.000	0.000	0.0	0.55
06:25	0.000	0.000	0.000	0.0	0.55
06:30	0.000	0.000	0.000	0.0	0.55
06:35	0.000	0.000	0.000	0.0	0.55
06:40	0.000	0.000	0.000	0.0	0.55
06:45	0.000	0.000	0.000	0.0	0.55
06:50	0.000	0.000	0.000	0.0	0.55
06:55	0.000	0.000	0.000	0.0	0.55
07:00	0.000	0.000	0.000	0.0	0.55
07:05	0.000	0.000	0.000	0.0	0.55
07:10	0.000	0.000	0.000	0.0	0.55
07:15	0.000	0.000	0.000	0.0	0.55
07:20	0.000	0.000	0.000	0.0	0.55
07:25	0.000	0.000	0.000	0.0	0.55
07:30	0.000	0.000	0.000	0.0	0.55
07:35	0.000	0.000	0.000	0.0	0.55
07:40	0.000	0.000	0.000	0.0	0.55
07:45	0.000	0.000	0.000	0.0	0.55
07:50	0.000	0.000	0.000	0.0	0.55
07:55	0.000	0.000	0.000	0.0	0.55
08:00	0.000	0.000	0.000	0.0	0.55
08:05	0.000	0.000	0.000	0.0	0.55
08:10	0.000	0.000	0.000	0.0	0.55
08:15	0.000	0.000	0.000	0.0	0.55
08:20	0.000	0.000	0.000	0.0	0.55
08:25	0.000	0.000	0.000	0.0	0.55
08:30	0.000	0.000	0.000	0.0	0.55
08:35	0.000	0.000	0.000	0.0	0.55
08:40	0.000	0.000	0.000	0.0	0.55
08:45	0.000	0.000	0.000	0.0	0.55
08:50	0.000	0.000	0.000	0.0	0.55
08:55	0.000	0.000	0.000	0.0	0.55
09:00	0.000	0.000	0.000	0.0	0.55
09:05	0.000	0.000	0.000	0.0	0.55
09:10	0.000	0.000	0.000	0.0	0.55
09:15	0.000	0.000	0.000	0.0	0.55
09:20	0.000	0.000	0.000	0.0	0.55
09:25	0.000	0.000	0.000	0.0	0.55
09:30	0.000	0.000	0.000	0.0	0.55
09:35	0.000	0.000	0.000	0.0	0.55
09:40	0.000	0.000	0.000	0.0	0.55
09:45	0.000	0.000	0.000	0.0	0.55
09:50	0.000	0.000	0.000	0.0	0.55
09:55	0.000	0.000	0.000	0.0	0.55
10:00	0.000	0.000	0.000	0.0	0.55
10:05	0.000	0.000	0.000	0.0	0.55
10:10	0.000	0.000	0.000	0.0	0.55
10:15	0.000	0.000	0.000	0.0	0.55
10:20	0.000	0.000	0.000	0.0	0.55
10:25	0.000	0.000	0.000	0.0	0.55
10:30	0.000	0.000	0.000	0.0	0.55
10:35	0.000	0.000	0.000	0.0	0.55

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.1	0.00
00:10	0.019	0.002	0.017	0.3	0.00
00:15	0.019	0.002	0.017	0.4	0.01
00:20	0.019	0.002	0.017	0.5	0.01
00:25	0.019	0.002	0.017	0.5	0.01
00:30	0.022	0.002	0.020	0.5	0.02
00:35	0.022	0.002	0.020	0.6	0.02
00:40	0.022	0.002	0.020	0.6	0.02
00:45	0.022	0.002	0.020	0.6	0.03
00:50	0.022	0.002	0.020	0.6	0.03
00:55	0.022	0.002	0.020	0.7	0.04
01:00	0.026	0.002	0.024	0.7	0.04
01:05	0.026	0.002	0.024	0.7	0.05
01:10	0.026	0.002	0.024	0.8	0.05
01:15	0.026	0.002	0.024	0.8	0.06
01:20	0.026	0.002	0.024	0.8	0.06
01:25	0.026	0.002	0.024	0.8	0.07
01:30	0.026	0.002	0.024	0.8	0.07
01:35	0.026	0.002	0.024	0.8	0.08
01:40	0.026	0.002	0.024	0.8	0.09
01:45	0.026	0.002	0.024	0.8	0.09
01:50	0.026	0.002	0.024	0.8	0.10
01:55	0.026	0.002	0.024	0.8	0.10
02:00	0.029	0.002	0.027	0.8	0.11
02:05	0.026	0.002	0.024	0.8	0.11
02:10	0.029	0.002	0.027	0.8	0.12
02:15	0.029	0.002	0.027	0.9	0.12
02:20	0.029	0.002	0.027	0.9	0.13
02:25	0.029	0.002	0.027	0.9	0.14
02:30	0.029	0.002	0.027	0.9	0.14
02:35	0.029	0.002	0.027	0.9	0.15
02:40	0.029	0.002	0.027	0.9	0.15
02:45	0.032	0.002	0.030	0.9	0.16
02:50	0.032	0.002	0.030	1.0	0.17
02:55	0.032	0.002	0.030	1.0	0.17
03:00	0.032	0.002	0.030	1.0	0.18
03:05	0.032	0.002	0.030	1.0	0.19
03:10	0.035	0.002	0.033	1.0	0.19
03:15	0.035	0.002	0.033	1.1	0.20
03:20	0.035	0.002	0.033	1.1	0.21
03:25	0.038	0.002	0.036	1.1	0.22
03:30	0.042	0.002	0.040	1.2	0.23
03:35	0.045	0.002	0.043	1.3	0.23
03:40	0.045	0.002	0.043	1.3	0.24
03:45	0.048	0.002	0.046	1.4	0.25
03:50	0.048	0.002	0.046	1.4	0.26
03:55	0.051	0.002	0.049	1.5	0.27
04:00	0.051	0.002	0.049	1.6	0.28
04:05	0.054	0.002	0.052	1.6	0.30
04:10	0.058	0.002	0.056	1.7	0.31
04:15	0.061	0.002	0.059	1.8	0.32
04:20	0.064	0.002	0.062	1.9	0.33
04:25	0.067	0.002	0.065	2.0	0.35
04:30	0.067	0.002	0.065	2.1	0.36
04:35	0.070	0.002	0.068	2.1	0.37
04:40	0.074	0.002	0.072	2.2	0.39
04:45	0.077	0.002	0.075	2.3	0.41
04:50	0.077	0.002	0.075	2.4	0.42
04:55	0.080	0.002	0.078	2.4	0.44
05:00	0.083	0.002	0.081	2.5	0.46
05:05	0.099	0.002	0.097	2.7	0.47
05:10	0.115	0.002	0.113	3.1	0.50
05:15	0.125	0.002	0.123	3.5	0.52
05:20	0.134	0.002	0.132	3.8	0.55
05:25	0.150	0.002	0.148	4.2	0.57

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	4.7	0.61
05:35	0.061	0.002	0.059	4.2	0.64
05:40	0.029	0.002	0.027	2.7	0.66
05:45	0.019	0.002	0.017	1.8	0.67
05:50	0.016	0.002	0.014	1.3	0.68
05:55	0.010	0.002	0.008	1.0	0.68
06:00	0.006	0.002	0.004	0.7	0.69
06:05	0.000	0.000	0.000	0.5	0.69
06:10	0.000	0.000	0.000	0.4	0.70
06:15	0.000	0.000	0.000	0.3	0.70
06:20	0.000	0.000	0.000	0.2	0.70
06:25	0.000	0.000	0.000	0.2	0.70
06:30	0.000	0.000	0.000	0.1	0.70
06:35	0.000	0.000	0.000	0.0	0.70
06:40	0.000	0.000	0.000	0.0	0.70
06:45	0.000	0.000	0.000	0.0	0.70
06:50	0.000	0.000	0.000	0.0	0.70
06:55	0.000	0.000	0.000	0.0	0.70
07:00	0.000	0.000	0.000	0.0	0.70
07:05	0.000	0.000	0.000	0.0	0.70
07:10	0.000	0.000	0.000	0.0	0.70
07:15	0.000	0.000	0.000	0.0	0.70
07:20	0.000	0.000	0.000	0.0	0.70
07:25	0.000	0.000	0.000	0.0	0.70
07:30	0.000	0.000	0.000	0.0	0.70
07:35	0.000	0.000	0.000	0.0	0.70
07:40	0.000	0.000	0.000	0.0	0.70
07:45	0.000	0.000	0.000	0.0	0.70
07:50	0.000	0.000	0.000	0.0	0.70
07:55	0.000	0.000	0.000	0.0	0.70
08:00	0.000	0.000	0.000	0.0	0.70
08:05	0.000	0.000	0.000	0.0	0.70
08:10	0.000	0.000	0.000	0.0	0.70
08:15	0.000	0.000	0.000	0.0	0.70
08:20	0.000	0.000	0.000	0.0	0.70
08:25	0.000	0.000	0.000	0.0	0.70
08:30	0.000	0.000	0.000	0.0	0.70
08:35	0.000	0.000	0.000	0.0	0.70
08:40	0.000	0.000	0.000	0.0	0.70
08:45	0.000	0.000	0.000	0.0	0.70
08:50	0.000	0.000	0.000	0.0	0.70
08:55	0.000	0.000	0.000	0.0	0.70
09:00	0.000	0.000	0.000	0.0	0.70
09:05	0.000	0.000	0.000	0.0	0.70
09:10	0.000	0.000	0.000	0.0	0.70
09:15	0.000	0.000	0.000	0.0	0.70
09:20	0.000	0.000	0.000	0.0	0.70
09:25	0.000	0.000	0.000	0.0	0.70
09:30	0.000	0.000	0.000	0.0	0.70
09:35	0.000	0.000	0.000	0.0	0.70
09:40	0.000	0.000	0.000	0.0	0.70
09:45	0.000	0.000	0.000	0.0	0.70
09:50	0.000	0.000	0.000	0.0	0.70
09:55	0.000	0.000	0.000	0.0	0.70
10:00	0.000	0.000	0.000	0.0	0.70
10:05	0.000	0.000	0.000	0.0	0.70
10:10	0.000	0.000	0.000	0.0	0.70
10:15	0.000	0.000	0.000	0.0	0.70
10:20	0.000	0.000	0.000	0.0	0.70
10:25	0.000	0.000	0.000	0.0	0.70
10:30	0.000	0.000	0.000	0.0	0.70
10:35	0.000	0.000	0.000	0.0	0.70

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.2	0.1	0.00	0.00
00:10	0.01	0.2	0.3	0.00	0.00
00:15	0.02	0.2	0.4	0.00	0.01
00:20	0.03	0.2	0.5	0.01	0.01
00:25	0.04	0.2	0.5	0.01	0.01
00:30	0.06	0.2	0.5	0.01	0.02
00:35	0.07	0.2	0.6	0.02	0.02
00:40	0.09	0.2	0.6	0.02	0.02
00:45	0.11	0.2	0.6	0.03	0.03
00:50	0.12	0.2	0.6	0.03	0.03
00:55	0.14	0.2	0.7	0.04	0.04
01:00	0.16	0.2	0.7	0.04	0.04
01:05	0.18	0.2	0.7	0.05	0.05
01:10	0.20	0.2	0.8	0.05	0.05
01:15	0.22	0.2	0.8	0.06	0.06
01:20	0.24	0.2	0.8	0.06	0.06
01:25	0.26	0.2	0.8	0.07	0.07
01:30	0.28	0.2	0.8	0.07	0.07
01:35	0.31	0.2	0.8	0.08	0.08
01:40	0.33	0.2	0.8	0.08	0.09
01:45	0.35	0.2	0.8	0.09	0.09
01:50	0.37	0.2	0.8	0.09	0.10
01:55	0.39	0.2	0.8	0.10	0.10
02:00	0.41	0.2	0.8	0.10	0.11
02:05	0.44	0.3	0.8	0.11	0.11
02:10	0.46	0.3	0.8	0.12	0.12
02:15	0.48	0.3	0.9	0.12	0.12
02:20	0.50	0.3	0.9	0.13	0.13
02:25	0.53	0.3	0.9	0.13	0.14
02:30	0.55	0.3	0.9	0.14	0.14
02:35	0.58	0.3	0.9	0.15	0.15
02:40	0.60	0.3	0.9	0.15	0.15
02:45	0.63	0.3	0.9	0.16	0.16
02:50	0.65	0.3	1.0	0.16	0.17
02:55	0.68	0.3	1.0	0.17	0.17
03:00	0.71	0.3	1.0	0.18	0.18
03:05	0.73	0.3	1.0	0.19	0.19
03:10	0.76	0.3	1.1	0.19	0.20
03:15	0.79	0.3	1.2	0.20	0.20
03:20	0.83	0.3	1.3	0.21	0.21
03:25	0.87	0.3	1.4	0.22	0.22
03:30	0.91	0.3	1.7	0.23	0.23
03:35	0.96	0.3	1.9	0.24	0.25
03:40	1.01	0.3	2.1	0.26	0.26
03:45	1.06	0.3	2.3	0.27	0.28
03:50	1.12	0.3	2.4	0.29	0.30
03:55	1.18	0.3	2.6	0.30	0.31
04:00	1.24	0.3	2.7	0.32	0.33
04:05	1.31	0.3	2.9	0.34	0.35
04:10	1.38	0.3	3.2	0.36	0.37
04:15	1.46	0.3	3.5	0.39	0.40
04:20	1.54	0.3	3.8	0.41	0.42
04:25	1.63	0.3	4.1	0.44	0.45
04:30	1.73	0.3	4.2	0.47	0.48
04:35	1.83	0.3	4.5	0.50	0.51
04:40	1.94	0.3	4.7	0.53	0.54
04:45	2.05	0.3	5.0	0.56	0.58
04:50	2.15	0.3	5.2	0.60	0.61
04:55	2.26	0.3	5.4	0.63	0.65
05:00	2.38	0.3	5.7	0.67	0.69
05:05	2.50	0.3	6.5	0.71	0.74
05:10	2.65	0.3	7.7	0.76	0.79
05:15	2.82	0.3	8.8	0.82	0.85
05:20	3.01	0.4	9.8	0.88	0.92
05:25	3.19	0.4	10.9	0.95	0.99

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.38	0.4	12.9	1.02	1.08
05:35	3.53	0.4	9.3	1.08	1.14
05:40	3.59	0.4	5.0	1.11	1.18
05:45	3.59	0.4	3.0	1.11	1.20
05:50	3.56	0.4	2.1	1.10	1.21
05:55	3.53	0.4	1.5	1.08	1.23
06:00	3.50	0.4	1.2	1.07	1.23
06:05	3.46	0.4	0.8	1.06	1.24
06:10	3.42	0.4	0.5	1.04	1.24
06:15	3.39	0.4	0.3	1.03	1.24
06:20	3.36	0.4	0.2	1.02	1.25
06:25	3.33	0.4	0.2	1.01	1.25
06:30	3.30	0.4	0.1	1.00	1.25
06:35	3.28	0.4	0.0	0.99	1.25
06:40	3.26	0.4	0.0	0.98	1.25
06:45	3.24	0.4	0.0	0.97	1.25
06:50	3.22	0.4	0.0	0.96	1.25
06:55	3.20	0.4	0.0	0.96	1.25
07:00	3.19	0.4	0.0	0.95	1.25
07:05	3.18	0.4	0.0	0.95	1.25
07:10	3.17	0.4	0.0	0.94	1.25
07:15	3.15	0.4	0.0	0.94	1.25
07:20	3.15	0.4	0.0	0.94	1.25
07:25	3.14	0.4	0.0	0.93	1.25
07:30	3.13	0.4	0.0	0.93	1.25
07:35	3.12	0.4	0.0	0.93	1.25
07:40	3.12	0.4	0.0	0.92	1.25
07:45	3.11	0.4	0.0	0.92	1.25
07:50	3.10	0.4	0.0	0.92	1.25
07:55	3.10	0.4	0.0	0.92	1.25
08:00	3.09	0.4	0.0	0.92	1.25
08:05	3.09	0.4	0.0	0.91	1.25
08:10	3.08	0.4	0.0	0.91	1.25
08:15	3.08	0.4	0.0	0.91	1.25
08:20	3.08	0.4	0.0	0.91	1.25
08:25	3.07	0.4	0.0	0.91	1.25
08:30	3.07	0.4	0.0	0.91	1.25
08:35	3.07	0.4	0.0	0.91	1.25
08:40	3.07	0.4	0.0	0.91	1.25
08:45	3.06	0.4	0.0	0.90	1.25
08:50	3.06	0.4	0.0	0.90	1.25
08:55	3.06	0.4	0.0	0.90	1.25
09:00	3.06	0.4	0.0	0.90	1.25
09:05	3.05	0.4	0.0	0.90	1.25
09:10	3.05	0.4	0.0	0.90	1.25
09:15	3.05	0.4	0.0	0.90	1.25
09:20	3.05	0.4	0.0	0.90	1.25
09:25	3.05	0.4	0.0	0.90	1.25
09:30	3.04	0.4	0.0	0.90	1.25
09:35	3.04	0.4	0.0	0.90	1.25
09:40	3.04	0.4	0.0	0.90	1.25
09:45	3.04	0.4	0.0	0.90	1.25
09:50	3.04	0.4	0.0	0.90	1.25
09:55	3.04	0.4	0.0	0.90	1.25
10:00	3.04	0.4	0.0	0.89	1.25
10:05	3.04	0.4	0.0	0.89	1.25
10:10	3.03	0.4	0.0	0.89	1.25
10:15	3.03	0.4	0.0	0.89	1.25
10:20	3.03	0.4	0.0	0.89	1.25
10:25	3.03	0.4	0.0	0.89	1.25
10:30	3.03	0.4	0.0	0.89	1.25
10:35	3.03	0.4	0.0	0.89	1.25

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	0.6	0.00
00:10	0.019	0.008	0.012	1.0	0.01
00:15	0.019	0.008	0.012	1.0	0.02
00:20	0.019	0.008	0.012	1.1	0.03
00:25	0.019	0.008	0.012	1.1	0.03
00:30	0.022	0.008	0.015	1.3	0.04
00:35	0.022	0.008	0.015	1.4	0.05
00:40	0.022	0.008	0.015	1.4	0.06
00:45	0.022	0.008	0.015	1.4	0.07
00:50	0.022	0.008	0.015	1.4	0.08
00:55	0.022	0.008	0.015	1.4	0.09
01:00	0.026	0.008	0.018	1.6	0.10
01:05	0.026	0.008	0.018	1.7	0.11
01:10	0.026	0.008	0.018	1.7	0.12
01:15	0.026	0.008	0.018	1.7	0.13
01:20	0.026	0.008	0.018	1.7	0.15
01:25	0.026	0.008	0.018	1.7	0.16
01:30	0.026	0.008	0.018	1.7	0.17
01:35	0.026	0.008	0.018	1.7	0.18
01:40	0.026	0.008	0.018	1.7	0.19
01:45	0.026	0.008	0.018	1.7	0.20
01:50	0.026	0.008	0.018	1.7	0.22
01:55	0.026	0.008	0.018	1.7	0.23
02:00	0.029	0.008	0.021	1.9	0.24
02:05	0.026	0.008	0.018	1.7	0.25
02:10	0.029	0.008	0.021	1.9	0.27
02:15	0.029	0.008	0.021	2.0	0.28
02:20	0.029	0.008	0.021	2.0	0.29
02:25	0.029	0.008	0.021	2.0	0.31
02:30	0.029	0.008	0.021	2.0	0.32
02:35	0.029	0.008	0.021	2.0	0.33
02:40	0.029	0.008	0.021	2.0	0.35
02:45	0.032	0.008	0.025	2.2	0.36
02:50	0.032	0.008	0.025	2.3	0.38
02:55	0.032	0.008	0.025	2.3	0.39
03:00	0.032	0.008	0.025	2.3	0.41
03:05	0.032	0.008	0.025	2.3	0.43
03:10	0.035	0.008	0.028	2.5	0.44
03:15	0.035	0.008	0.028	2.5	0.46
03:20	0.035	0.008	0.028	2.6	0.48
03:25	0.038	0.008	0.031	2.8	0.50
03:30	0.042	0.008	0.034	3.1	0.52
03:35	0.045	0.008	0.037	3.4	0.54
03:40	0.045	0.008	0.037	3.4	0.56
03:45	0.048	0.008	0.041	3.7	0.59
03:50	0.048	0.008	0.041	3.7	0.62
03:55	0.051	0.008	0.044	4.0	0.64
04:00	0.051	0.008	0.044	4.0	0.67
04:05	0.054	0.008	0.047	4.3	0.70
04:10	0.058	0.008	0.050	4.6	0.73
04:15	0.061	0.008	0.053	4.9	0.77
04:20	0.064	0.008	0.057	5.1	0.80
04:25	0.067	0.008	0.060	5.4	0.84
04:30	0.067	0.008	0.060	5.5	0.88
04:35	0.070	0.008	0.063	5.8	0.92
04:40	0.074	0.008	0.066	6.1	0.96
04:45	0.077	0.008	0.069	6.3	1.00
04:50	0.077	0.008	0.069	6.4	1.05
04:55	0.080	0.008	0.073	6.7	1.09
05:00	0.083	0.008	0.076	6.9	1.14
05:05	0.099	0.008	0.092	8.2	1.20
05:10	0.115	0.008	0.108	9.5	1.26
05:15	0.125	0.008	0.117	10.5	1.33
05:20	0.134	0.008	0.127	11.5	1.41
05:25	0.150	0.008	0.143	12.8	1.50

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	15.2	1.61
05:35	0.061	0.008	0.053	7.1	1.65
05:40	0.029	0.008	0.021	3.5	1.68
05:45	0.019	0.008	0.012	2.0	1.69
05:50	0.016	0.008	0.009	1.1	1.70
05:55	0.010	0.005	0.005	0.6	1.70
06:00	0.006	0.003	0.003	0.4	1.71
06:05	0.000	0.000	0.000	0.1	1.71
06:10	0.000	0.000	0.000	0.0	1.71
06:15	0.000	0.000	0.000	0.0	1.71
06:20	0.000	0.000	0.000	0.0	1.71
06:25	0.000	0.000	0.000	0.0	1.71
06:30	0.000	0.000	0.000	0.0	1.71
06:35	0.000	0.000	0.000	0.0	1.71
06:40	0.000	0.000	0.000	0.0	1.71
06:45	0.000	0.000	0.000	0.0	1.71
06:50	0.000	0.000	0.000	0.0	1.71
06:55	0.000	0.000	0.000	0.0	1.71
07:00	0.000	0.000	0.000	0.0	1.71
07:05	0.000	0.000	0.000	0.0	1.71
07:10	0.000	0.000	0.000	0.0	1.71
07:15	0.000	0.000	0.000	0.0	1.71
07:20	0.000	0.000	0.000	0.0	1.71
07:25	0.000	0.000	0.000	0.0	1.71
07:30	0.000	0.000	0.000	0.0	1.71
07:35	0.000	0.000	0.000	0.0	1.71
07:40	0.000	0.000	0.000	0.0	1.71
07:45	0.000	0.000	0.000	0.0	1.71
07:50	0.000	0.000	0.000	0.0	1.71
07:55	0.000	0.000	0.000	0.0	1.71
08:00	0.000	0.000	0.000	0.0	1.71
08:05	0.000	0.000	0.000	0.0	1.71
08:10	0.000	0.000	0.000	0.0	1.71
08:15	0.000	0.000	0.000	0.0	1.71
08:20	0.000	0.000	0.000	0.0	1.71
08:25	0.000	0.000	0.000	0.0	1.71
08:30	0.000	0.000	0.000	0.0	1.71
08:35	0.000	0.000	0.000	0.0	1.71
08:40	0.000	0.000	0.000	0.0	1.71
08:45	0.000	0.000	0.000	0.0	1.71
08:50	0.000	0.000	0.000	0.0	1.71
08:55	0.000	0.000	0.000	0.0	1.71
09:00	0.000	0.000	0.000	0.0	1.71
09:05	0.000	0.000	0.000	0.0	1.71
09:10	0.000	0.000	0.000	0.0	1.71
09:15	0.000	0.000	0.000	0.0	1.71
09:20	0.000	0.000	0.000	0.0	1.71
09:25	0.000	0.000	0.000	0.0	1.71
09:30	0.000	0.000	0.000	0.0	1.71
09:35	0.000	0.000	0.000	0.0	1.71
09:40	0.000	0.000	0.000	0.0	1.71
09:45	0.000	0.000	0.000	0.0	1.71
09:50	0.000	0.000	0.000	0.0	1.71
09:55	0.000	0.000	0.000	0.0	1.71
10:00	0.000	0.000	0.000	0.0	1.71
10:05	0.000	0.000	0.000	0.0	1.71
10:10	0.000	0.000	0.000	0.0	1.71
10:15	0.000	0.000	0.000	0.0	1.71
10:20	0.000	0.000	0.000	0.0	1.71
10:25	0.000	0.000	0.000	0.0	1.71
10:30	0.000	0.000	0.000	0.0	1.71
10:35	0.000	0.000	0.000	0.0	1.71

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.3	0.6	0.00	0.00
00:10	0.03	0.3	1.0	0.01	0.01
00:15	0.05	0.3	1.0	0.01	0.02
00:20	0.08	0.3	1.1	0.02	0.03
00:25	0.10	0.3	1.1	0.03	0.03
00:30	0.13	0.3	1.3	0.04	0.04
00:35	0.16	0.3	1.4	0.05	0.05
00:40	0.20	0.3	1.4	0.06	0.06
00:45	0.23	0.3	1.4	0.07	0.07
00:50	0.26	0.3	1.4	0.08	0.08
00:55	0.30	0.3	1.4	0.08	0.09
01:00	0.33	0.3	1.6	0.09	0.10
01:05	0.37	0.3	1.7	0.11	0.11
01:10	0.41	0.3	1.7	0.12	0.12
01:15	0.45	0.3	1.7	0.13	0.13
01:20	0.49	0.3	1.7	0.14	0.15
01:25	0.54	0.3	1.7	0.15	0.16
01:30	0.58	0.3	1.7	0.16	0.17
01:35	0.62	0.3	1.7	0.18	0.18
01:40	0.66	0.3	1.7	0.19	0.19
01:45	0.70	0.3	1.7	0.20	0.20
01:50	0.74	0.3	1.7	0.21	0.22
01:55	0.78	0.3	1.7	0.22	0.23
02:00	0.82	0.3	1.9	0.23	0.24
02:05	0.87	0.3	1.7	0.25	0.25
02:10	0.91	0.3	1.9	0.26	0.27
02:15	0.96	0.3	2.0	0.27	0.28
02:20	1.01	0.3	2.0	0.29	0.29
02:25	1.05	0.3	2.0	0.30	0.31
02:30	1.09	0.3	2.0	0.31	0.32
02:35	1.13	0.3	2.0	0.33	0.33
02:40	1.17	0.3	2.0	0.34	0.35
02:45	1.22	0.3	2.2	0.36	0.36
02:50	1.26	0.3	2.3	0.37	0.38
02:55	1.31	0.3	2.3	0.39	0.39
03:00	1.36	0.3	2.3	0.40	0.41
03:05	1.41	0.3	2.3	0.42	0.43
03:10	1.46	0.3	2.5	0.43	0.44
03:15	1.51	0.3	2.5	0.45	0.46
03:20	1.56	0.3	2.6	0.47	0.48
03:25	1.62	0.3	2.8	0.49	0.50
03:30	1.68	0.3	3.1	0.51	0.52
03:35	1.75	0.3	3.4	0.53	0.54
03:40	1.82	0.3	3.4	0.55	0.56
03:45	1.90	0.3	3.7	0.58	0.59
03:50	1.98	0.3	3.7	0.60	0.62
03:55	2.05	0.4	4.0	0.63	0.64
04:00	2.12	0.4	4.0	0.66	0.67
04:05	2.20	0.4	4.3	0.69	0.70
04:10	2.28	0.4	4.6	0.72	0.73
04:15	2.37	0.4	4.9	0.75	0.77
04:20	2.46	0.4	5.1	0.78	0.80
04:25	2.56	0.4	5.4	0.82	0.84
04:30	2.66	0.4	5.5	0.86	0.88
04:35	2.77	0.4	5.8	0.90	0.92
04:40	2.88	0.4	6.1	0.94	0.96
04:45	2.99	0.4	6.3	0.98	1.00
04:50	3.09	0.4	6.4	1.02	1.05
04:55	3.18	0.4	6.7	1.06	1.09
05:00	3.25	0.4	6.9	1.09	1.14
05:05	3.31	0.4	8.2	1.12	1.20
05:10	3.38	0.4	9.5	1.14	1.26
05:15	3.44	0.4	10.5	1.17	1.33
05:20	3.49	0.4	11.5	1.19	1.41
05:25	3.54	0.4	12.8	1.21	1.50

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.60	0.4	15.2	1.24	1.61
05:35	3.60	0.4	7.1	1.24	1.65
05:40	3.52	0.4	3.5	1.20	1.68
05:45	3.44	0.4	2.0	1.17	1.69
05:50	3.36	0.4	1.1	1.14	1.70
05:55	3.30	0.4	0.6	1.11	1.70
06:00	3.25	0.4	0.4	1.09	1.71
06:05	3.21	0.4	0.1	1.07	1.71
06:10	3.18	0.4	0.0	1.06	1.71
06:15	3.15	0.4	0.0	1.05	1.71
06:20	3.13	0.4	0.0	1.04	1.71
06:25	3.12	0.4	0.0	1.03	1.71
06:30	3.10	0.4	0.0	1.03	1.71
06:35	3.09	0.4	0.0	1.02	1.71
06:40	3.08	0.4	0.0	1.02	1.71
06:45	3.07	0.4	0.0	1.01	1.71
06:50	3.06	0.4	0.0	1.01	1.71
06:55	3.06	0.4	0.0	1.01	1.71
07:00	3.05	0.4	0.0	1.01	1.71
07:05	3.05	0.4	0.0	1.00	1.71
07:10	3.04	0.4	0.0	1.00	1.71
07:15	3.04	0.4	0.0	1.00	1.71
07:20	3.04	0.4	0.0	1.00	1.71
07:25	3.04	0.4	0.0	1.00	1.71
07:30	3.03	0.4	0.0	1.00	1.71
07:35	3.03	0.4	0.0	1.00	1.71
07:40	3.03	0.4	0.0	1.00	1.71
07:45	3.03	0.4	0.0	0.99	1.71
07:50	3.03	0.4	0.0	0.99	1.71
07:55	3.02	0.4	0.0	0.99	1.71
08:00	3.02	0.4	0.0	0.99	1.71
08:05	3.02	0.4	0.0	0.99	1.71
08:10	3.02	0.4	0.0	0.99	1.71
08:15	3.02	0.4	0.0	0.99	1.71
08:20	3.02	0.4	0.0	0.99	1.71
08:25	3.02	0.4	0.0	0.99	1.71
08:30	3.02	0.4	0.0	0.99	1.71
08:35	3.02	0.4	0.0	0.99	1.71
08:40	3.01	0.4	0.0	0.99	1.71
08:45	3.01	0.4	0.0	0.99	1.71
08:50	3.01	0.4	0.0	0.99	1.71
08:55	3.01	0.4	0.0	0.99	1.71
09:00	3.01	0.4	0.0	0.99	1.71
09:05	3.01	0.4	0.0	0.99	1.71
09:10	3.01	0.4	0.0	0.99	1.71
09:15	3.01	0.4	0.0	0.99	1.71
09:20	3.01	0.4	0.0	0.99	1.71
09:25	3.01	0.4	0.0	0.99	1.71
09:30	3.01	0.4	0.0	0.99	1.71
09:35	3.01	0.4	0.0	0.99	1.71
09:40	3.01	0.4	0.0	0.99	1.71
09:45	3.01	0.4	0.0	0.99	1.71
09:50	3.01	0.4	0.0	0.99	1.71
09:55	3.01	0.4	0.0	0.99	1.71
10:00	3.01	0.4	0.0	0.99	1.71
10:05	3.01	0.4	0.0	0.99	1.71
10:10	3.01	0.4	0.0	0.99	1.71
10:15	3.01	0.4	0.0	0.99	1.71
10:20	3.01	0.4	0.0	0.99	1.71
10:25	3.01	0.4	0.0	0.99	1.71
10:30	3.01	0.4	0.0	0.99	1.71
10:35	3.01	0.4	0.0	0.99	1.71

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.001	0.0	0.00
00:35	0.022	0.022	0.001	0.0	0.00
00:40	0.022	0.022	0.001	0.0	0.00
00:45	0.022	0.022	0.001	0.0	0.00
00:50	0.022	0.022	0.001	0.0	0.00
00:55	0.022	0.022	0.001	0.1	0.00
01:00	0.026	0.022	0.004	0.2	0.00
01:05	0.026	0.022	0.004	0.2	0.00
01:10	0.026	0.022	0.004	0.3	0.01
01:15	0.026	0.022	0.004	0.3	0.01
01:20	0.026	0.022	0.004	0.3	0.01
01:25	0.026	0.022	0.004	0.3	0.01
01:30	0.026	0.022	0.004	0.3	0.01
01:35	0.026	0.022	0.004	0.3	0.02
01:40	0.026	0.022	0.004	0.3	0.02
01:45	0.026	0.022	0.004	0.3	0.02
01:50	0.026	0.022	0.004	0.3	0.02
01:55	0.026	0.022	0.004	0.3	0.02
02:00	0.029	0.022	0.007	0.4	0.03
02:05	0.026	0.022	0.004	0.3	0.03
02:10	0.029	0.022	0.007	0.4	0.03
02:15	0.029	0.022	0.007	0.5	0.04
02:20	0.029	0.022	0.007	0.5	0.04
02:25	0.029	0.022	0.007	0.5	0.04
02:30	0.029	0.022	0.007	0.5	0.05
02:35	0.029	0.022	0.007	0.5	0.05
02:40	0.029	0.022	0.007	0.5	0.05
02:45	0.032	0.022	0.010	0.6	0.06
02:50	0.032	0.022	0.010	0.7	0.06
02:55	0.032	0.022	0.010	0.7	0.07
03:00	0.032	0.022	0.010	0.7	0.07
03:05	0.032	0.022	0.010	0.7	0.08
03:10	0.035	0.022	0.014	0.9	0.08
03:15	0.035	0.022	0.014	0.9	0.09
03:20	0.035	0.022	0.014	0.9	0.10
03:25	0.038	0.022	0.017	1.1	0.10
03:30	0.042	0.022	0.020	1.3	0.11
03:35	0.045	0.022	0.023	1.5	0.12
03:40	0.045	0.022	0.023	1.6	0.13
03:45	0.048	0.022	0.026	1.7	0.14
03:50	0.048	0.022	0.026	1.8	0.16
03:55	0.051	0.022	0.030	2.0	0.17
04:00	0.051	0.022	0.030	2.0	0.18
04:05	0.054	0.022	0.033	2.2	0.20
04:10	0.058	0.022	0.036	2.4	0.22
04:15	0.061	0.022	0.039	2.6	0.23
04:20	0.064	0.022	0.042	2.8	0.25
04:25	0.067	0.022	0.046	3.1	0.27
04:30	0.067	0.022	0.046	3.2	0.30
04:35	0.070	0.022	0.049	3.3	0.32
04:40	0.074	0.022	0.052	3.5	0.34
04:45	0.077	0.022	0.055	3.8	0.37
04:50	0.077	0.022	0.055	3.9	0.40
04:55	0.080	0.022	0.058	4.0	0.42
05:00	0.083	0.022	0.062	4.2	0.45
05:05	0.099	0.022	0.078	4.9	0.49
05:10	0.115	0.022	0.094	5.9	0.53
05:15	0.125	0.022	0.103	6.7	0.57
05:20	0.134	0.022	0.113	7.4	0.62
05:25	0.150	0.022	0.129	8.3	0.68

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.022	0.158	9.9	0.75
05:35	0.061	0.022	0.039	6.1	0.79
05:40	0.029	0.022	0.007	3.0	0.81
05:45	0.019	0.019	0.000	1.5	0.82
05:50	0.016	0.016	0.000	0.9	0.83
05:55	0.010	0.010	0.000	0.7	0.83
06:00	0.006	0.006	0.000	0.5	0.84
06:05	0.000	0.000	0.000	0.2	0.84
06:10	0.000	0.000	0.000	0.0	0.84
06:15	0.000	0.000	0.000	0.0	0.84
06:20	0.000	0.000	0.000	0.0	0.84
06:25	0.000	0.000	0.000	0.0	0.84
06:30	0.000	0.000	0.000	0.0	0.84
06:35	0.000	0.000	0.000	0.0	0.84
06:40	0.000	0.000	0.000	0.0	0.84
06:45	0.000	0.000	0.000	0.0	0.84
06:50	0.000	0.000	0.000	0.0	0.84
06:55	0.000	0.000	0.000	0.0	0.84
07:00	0.000	0.000	0.000	0.0	0.84
07:05	0.000	0.000	0.000	0.0	0.84
07:10	0.000	0.000	0.000	0.0	0.84
07:15	0.000	0.000	0.000	0.0	0.84
07:20	0.000	0.000	0.000	0.0	0.84
07:25	0.000	0.000	0.000	0.0	0.84
07:30	0.000	0.000	0.000	0.0	0.84
07:35	0.000	0.000	0.000	0.0	0.84
07:40	0.000	0.000	0.000	0.0	0.84
07:45	0.000	0.000	0.000	0.0	0.84
07:50	0.000	0.000	0.000	0.0	0.84
07:55	0.000	0.000	0.000	0.0	0.84
08:00	0.000	0.000	0.000	0.0	0.84
08:05	0.000	0.000	0.000	0.0	0.84
08:10	0.000	0.000	0.000	0.0	0.84
08:15	0.000	0.000	0.000	0.0	0.84
08:20	0.000	0.000	0.000	0.0	0.84
08:25	0.000	0.000	0.000	0.0	0.84
08:30	0.000	0.000	0.000	0.0	0.84
08:35	0.000	0.000	0.000	0.0	0.84
08:40	0.000	0.000	0.000	0.0	0.84
08:45	0.000	0.000	0.000	0.0	0.84
08:50	0.000	0.000	0.000	0.0	0.84
08:55	0.000	0.000	0.000	0.0	0.84
09:00	0.000	0.000	0.000	0.0	0.84
09:05	0.000	0.000	0.000	0.0	0.84
09:10	0.000	0.000	0.000	0.0	0.84
09:15	0.000	0.000	0.000	0.0	0.84
09:20	0.000	0.000	0.000	0.0	0.84
09:25	0.000	0.000	0.000	0.0	0.84
09:30	0.000	0.000	0.000	0.0	0.84
09:35	0.000	0.000	0.000	0.0	0.84
09:40	0.000	0.000	0.000	0.0	0.84
09:45	0.000	0.000	0.000	0.0	0.84
09:50	0.000	0.000	0.000	0.0	0.84
09:55	0.000	0.000	0.000	0.0	0.84
10:00	0.000	0.000	0.000	0.0	0.84
10:05	0.000	0.000	0.000	0.0	0.84
10:10	0.000	0.000	0.000	0.0	0.84
10:15	0.000	0.000	0.000	0.0	0.84
10:20	0.000	0.000	0.000	0.0	0.84
10:25	0.000	0.000	0.000	0.0	0.84
10:30	0.000	0.000	0.000	0.0	0.84
10:35	0.000	0.000	0.000	0.0	0.84

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.2	0.0	0.00	0.00
00:10	0.00	0.2	0.0	0.00	0.00
00:15	0.00	0.2	0.0	0.00	0.00
00:20	0.00	0.2	0.0	0.00	0.00
00:25	0.00	0.2	0.0	0.00	0.00
00:30	0.00	0.2	0.0	0.00	0.00
00:35	0.00	0.2	0.0	0.00	0.00
00:40	0.00	0.2	0.0	0.00	0.00
00:45	0.01	0.2	0.0	0.00	0.00
00:50	0.01	0.2	0.0	0.00	0.00
00:55	0.01	0.2	0.1	0.00	0.00
01:00	0.01	0.2	0.2	0.00	0.00
01:05	0.02	0.2	0.2	0.00	0.00
01:10	0.03	0.2	0.3	0.01	0.01
01:15	0.04	0.2	0.3	0.01	0.01
01:20	0.05	0.2	0.3	0.01	0.01
01:25	0.06	0.2	0.3	0.01	0.01
01:30	0.07	0.2	0.3	0.01	0.01
01:35	0.08	0.2	0.3	0.01	0.02
01:40	0.09	0.2	0.3	0.02	0.02
01:45	0.10	0.2	0.3	0.02	0.02
01:50	0.11	0.2	0.3	0.02	0.02
01:55	0.12	0.2	0.3	0.02	0.02
02:00	0.14	0.2	0.4	0.03	0.03
02:05	0.15	0.2	0.3	0.03	0.03
02:10	0.17	0.2	0.4	0.03	0.03
02:15	0.18	0.2	0.5	0.03	0.04
02:20	0.20	0.2	0.5	0.04	0.04
02:25	0.22	0.2	0.5	0.04	0.04
02:30	0.24	0.2	0.5	0.04	0.05
02:35	0.26	0.2	0.5	0.05	0.05
02:40	0.28	0.2	0.5	0.05	0.05
02:45	0.30	0.2	0.6	0.05	0.06
02:50	0.32	0.2	0.7	0.06	0.06
02:55	0.35	0.2	0.7	0.06	0.07
03:00	0.38	0.2	0.7	0.07	0.07
03:05	0.41	0.2	0.7	0.07	0.08
03:10	0.44	0.2	0.9	0.08	0.08
03:15	0.47	0.2	0.9	0.09	0.09
03:20	0.50	0.2	0.9	0.09	0.10
03:25	0.54	0.2	1.1	0.10	0.10
03:30	0.59	0.2	1.3	0.11	0.11
03:35	0.64	0.2	1.5	0.12	0.12
03:40	0.70	0.2	1.6	0.13	0.13
03:45	0.76	0.2	1.7	0.14	0.14
03:50	0.82	0.2	1.8	0.15	0.16
03:55	0.90	0.2	2.0	0.16	0.17
04:00	0.97	0.2	2.0	0.18	0.18
04:05	1.04	0.2	2.2	0.19	0.20
04:10	1.12	0.2	2.4	0.21	0.22
04:15	1.20	0.2	2.6	0.23	0.23
04:20	1.28	0.2	2.8	0.24	0.25
04:25	1.38	0.2	3.1	0.26	0.27
04:30	1.48	0.2	3.2	0.29	0.30
04:35	1.58	0.2	3.3	0.31	0.32
04:40	1.69	0.2	3.5	0.33	0.34
04:45	1.80	0.2	3.8	0.36	0.37
04:50	1.93	0.2	3.9	0.38	0.40
04:55	2.04	0.2	4.0	0.41	0.42
05:00	2.16	0.2	4.2	0.44	0.45
05:05	2.28	0.2	4.9	0.47	0.49
05:10	2.43	0.3	5.9	0.51	0.53
05:15	2.60	0.3	6.7	0.55	0.57
05:20	2.79	0.3	7.4	0.60	0.62
05:25	3.00	0.3	8.3	0.65	0.68

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.21	0.3	9.9	0.71	0.75
05:35	3.37	0.3	6.1	0.76	0.79
05:40	3.44	0.3	3.0	0.78	0.81
05:45	3.45	0.3	1.5	0.79	0.82
05:50	3.44	0.3	0.9	0.78	0.83
05:55	3.42	0.3	0.7	0.78	0.83
06:00	3.39	0.3	0.5	0.77	0.84
06:05	3.37	0.3	0.2	0.76	0.84
06:10	3.34	0.3	0.0	0.75	0.84
06:15	3.32	0.3	0.0	0.75	0.84
06:20	3.29	0.3	0.0	0.74	0.84
06:25	3.27	0.3	0.0	0.73	0.84
06:30	3.25	0.3	0.0	0.73	0.84
06:35	3.24	0.3	0.0	0.72	0.84
06:40	3.22	0.3	0.0	0.72	0.84
06:45	3.21	0.3	0.0	0.71	0.84
06:50	3.19	0.3	0.0	0.71	0.84
06:55	3.18	0.3	0.0	0.71	0.84
07:00	3.17	0.3	0.0	0.70	0.84
07:05	3.16	0.3	0.0	0.70	0.84
07:10	3.15	0.3	0.0	0.70	0.84
07:15	3.15	0.3	0.0	0.70	0.84
07:20	3.14	0.3	0.0	0.69	0.84
07:25	3.13	0.3	0.0	0.69	0.84
07:30	3.12	0.3	0.0	0.69	0.84
07:35	3.12	0.3	0.0	0.69	0.84
07:40	3.11	0.3	0.0	0.69	0.84
07:45	3.11	0.3	0.0	0.68	0.84
07:50	3.10	0.3	0.0	0.68	0.84
07:55	3.10	0.3	0.0	0.68	0.84
08:00	3.09	0.3	0.0	0.68	0.84
08:05	3.09	0.3	0.0	0.68	0.84
08:10	3.09	0.3	0.0	0.68	0.84
08:15	3.08	0.3	0.0	0.68	0.84
08:20	3.08	0.3	0.0	0.68	0.84
08:25	3.08	0.3	0.0	0.68	0.84
08:30	3.07	0.3	0.0	0.67	0.84
08:35	3.07	0.3	0.0	0.67	0.84
08:40	3.07	0.3	0.0	0.67	0.84
08:45	3.07	0.3	0.0	0.67	0.84
08:50	3.06	0.3	0.0	0.67	0.84
08:55	3.06	0.3	0.0	0.67	0.84
09:00	3.06	0.3	0.0	0.67	0.84
09:05	3.06	0.3	0.0	0.67	0.84
09:10	3.06	0.3	0.0	0.67	0.84
09:15	3.05	0.3	0.0	0.67	0.84
09:20	3.05	0.3	0.0	0.67	0.84
09:25	3.05	0.3	0.0	0.67	0.84
09:30	3.05	0.3	0.0	0.67	0.84
09:35	3.05	0.3	0.0	0.67	0.84
09:40	3.05	0.3	0.0	0.67	0.84
09:45	3.04	0.3	0.0	0.67	0.84
09:50	3.04	0.3	0.0	0.67	0.84
09:55	3.04	0.3	0.0	0.67	0.84
10:00	3.04	0.3	0.0	0.67	0.84
10:05	3.04	0.3	0.0	0.66	0.84
10:10	3.04	0.3	0.0	0.66	0.84
10:15	3.04	0.3	0.0	0.66	0.84
10:20	3.04	0.3	0.0	0.66	0.84
10:25	3.04	0.3	0.0	0.66	0.84
10:30	3.03	0.3	0.0	0.66	0.84
10:35	3.03	0.3	0.0	0.66	0.84

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	0.0	0.0	0.00
00:10	0.0	0.0	0.00
00:15	0.0	0.0	0.00
00:20	0.0	0.0	0.00
00:25	1.2	1.2	0.01
00:30	10.0	10.0	0.08
00:35	20.7	20.7	0.22
00:40	25.7	25.7	0.40
00:45	29.0	29.0	0.60
00:50	31.8	31.8	0.82
00:55	39.4	39.4	1.09
01:00	68.8	68.8	1.56
01:05	105.4	105.4	2.29
01:10	119.9	119.9	3.11
01:15	126.9	126.9	3.99
01:20	131.9	131.9	4.89
01:25	137.4	137.4	5.84
01:30	146.3	146.3	6.85
01:35	158.9	158.9	7.94
01:40	169.5	169.5	9.11
01:45	176.5	176.5	10.33
01:50	181.4	181.4	11.58
01:55	185.0	185.0	12.85
02:00	188.1	188.1	14.14
02:05	192.4	192.4	15.47
02:10	195.1	195.1	16.81
02:15	199.7	199.7	18.19
02:20	205.5	205.5	19.60
02:25	212.8	212.8	21.07
02:30	222.8	222.8	22.60
02:35	231.9	231.9	24.20
02:40	240.5	240.5	25.86
02:45	249.4	249.4	27.58
02:50	258.5	258.5	29.36
02:55	266.8	266.8	31.19
03:00	275.5	275.5	33.09
03:05	286.0	286.0	35.06
03:10	299.4	299.4	37.12
03:15	317.2	317.2	39.31
03:20	333.1	333.1	41.60
03:25	347.2	347.2	43.99
03:30	365.6	365.6	46.51
03:35	391.4	391.4	49.21
03:40	423.9	423.9	52.12
03:45	459.8	459.8	55.29
03:50	503.9	503.9	58.76
03:55	551.7	551.7	62.56
04:00	599.6	599.6	66.69
04:05	642.6	642.6	71.12
04:10	685.7	685.7	75.84
04:15	730.8	730.8	80.87
04:20	781.0	781.0	86.25
04:25	837.3	837.3	92.02
04:30	902.9	902.9	98.24
04:35	972.4	972.4	104.93
04:40	1041.6	1041.6	112.11
04:45	1109.5	1109.5	119.75
04:50	1178.3	1178.3	127.86
04:55	1250.1	1250.1	136.47
05:00	1324.8	1324.8	145.60
05:05	1411.6	1411.6	155.32
05:10	1530.7	1530.7	165.86
05:15	1697.3	1697.3	177.55
05:20	1918.3	1918.3	190.76
05:25	2195.4	2195.4	205.88

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	2584.7	2584.7	223.68
05:35	2984.8	2984.8	244.24
05:40	3158.0	3158.0	265.99
05:45	2999.5	2999.5	286.64
05:50	2623.0	2623.0	304.71
05:55	2165.8	2165.8	319.63
06:00	1717.8	1717.8	331.46
06:05	1317.4	1317.4	340.53
06:10	952.4	952.4	347.09
06:15	659.3	659.3	351.63
06:20	500.2	500.2	355.07
06:25	404.8	404.8	357.86
06:30	335.7	335.7	360.17
06:35	279.1	279.1	362.10
06:40	235.1	235.1	363.71
06:45	203.1	203.1	365.11
06:50	179.5	179.5	366.35
06:55	160.9	160.9	367.46
07:00	147.3	147.3	368.47
07:05	136.3	136.3	369.41
07:10	126.4	126.4	370.28
07:15	116.7	116.7	371.09
07:20	106.7	106.7	371.82
07:25	96.4	96.4	372.48
07:30	85.8	85.8	373.08
07:35	75.3	75.3	373.59
07:40	65.0	65.0	374.04
07:45	55.2	55.2	374.42
07:50	46.3	46.3	374.74
07:55	38.6	38.6	375.01
08:00	32.1	32.1	375.23
08:05	26.9	26.9	375.41
08:10	22.7	22.7	375.57
08:15	19.3	19.3	375.70
08:20	16.5	16.5	375.82
08:25	14.3	14.3	375.91
08:30	12.4	12.4	376.00
08:35	10.9	10.9	376.07
08:40	9.7	9.7	376.14
08:45	8.6	8.6	376.20
08:50	7.8	7.8	376.25
08:55	7.0	7.0	376.30
09:00	6.3	6.3	376.35
09:05	5.8	5.8	376.39
09:10	5.3	5.3	376.42
09:15	4.8	4.8	376.46
09:20	4.5	4.5	376.49
09:25	4.1	4.1	376.51
09:30	3.8	3.8	376.54
09:35	3.5	3.5	376.56
09:40	3.3	3.3	376.59
09:45	3.1	3.1	376.61
09:50	2.9	2.9	376.63
09:55	2.7	2.7	376.65
10:00	2.5	2.5	376.66
10:05	2.4	2.4	376.68
10:10	2.2	2.2	376.70
10:15	2.1	2.1	376.71
10:20	2.0	2.0	376.72
10:25	1.9	1.9	376.74
10:30	1.8	1.8	376.75
10:35	1.7	1.7	376.76

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	0.0	0.00	0.0	0.00
00:10	0.0	0.00	0.0	0.00
00:15	0.0	0.00	0.0	0.00
00:20	0.0	0.00	0.0	0.00
00:25	1.2	0.00	0.0	0.00
00:30	10.0	0.00	0.0	0.00
00:35	20.7	0.00	0.0	0.00
00:40	25.7	0.01	0.0	0.00
00:45	29.0	0.17	0.0	0.00
00:50	31.8	0.55	0.9	0.01
00:55	39.4	1.18	6.4	0.05
01:00	68.8	1.77	18.5	0.18
01:05	105.4	2.15	30.8	0.39
01:10	119.9	2.70	55.6	0.77
01:15	126.9	3.38	99.7	1.46
01:20	131.9	3.65	121.4	2.30
01:25	137.4	3.72	128.0	3.18
01:30	146.3	3.78	133.4	4.10
01:35	158.9	3.86	140.1	5.06
01:40	169.5	3.96	150.6	6.10
01:45	176.5	4.09	163.1	7.22
01:50	181.4	4.18	172.5	8.41
01:55	185.0	4.23	178.7	9.64
02:00	188.1	4.27	183.0	10.90
02:05	192.4	4.30	186.4	12.18
02:10	195.1	4.34	190.2	13.49
02:15	199.7	4.37	193.7	14.83
02:20	205.5	4.40	197.4	16.19
02:25	212.8	4.44	202.8	17.58
02:30	222.8	4.50	209.5	19.03
02:35	231.9	4.57	218.5	20.53
02:40	240.5	4.65	228.2	22.10
02:45	249.4	4.72	237.2	23.74
02:50	258.5	4.79	246.2	25.43
02:55	266.8	4.85	255.3	27.19
03:00	275.5	4.92	264.0	29.01
03:05	286.0	4.98	272.8	30.89
03:10	299.4	5.05	282.9	32.84
03:15	317.2	5.14	295.8	34.87
03:20	333.1	5.25	312.7	37.03
03:25	347.2	5.36	329.6	39.30
03:30	365.6	5.45	344.5	41.67
03:35	391.4	5.56	362.6	44.17
03:40	423.9	5.70	387.8	46.84
03:45	459.8	5.88	420.4	49.73
03:50	503.9	6.07	457.5	52.88
03:55	551.7	6.30	502.2	56.34
04:00	599.6	6.53	551.7	60.14
04:05	642.6	6.74	600.5	64.28
04:10	685.7	6.93	645.0	68.72
04:15	730.8	7.11	689.3	73.47
04:20	781.0	7.29	736.1	78.54
04:25	837.3	7.49	788.2	83.96
04:30	902.9	7.70	847.4	89.80
04:35	972.4	7.93	914.7	96.10
04:40	1041.6	8.16	986.2	102.89
04:45	1109.5	8.38	1056.5	110.17
04:50	1178.3	8.59	1125.9	117.92
04:55	1250.1	8.79	1196.6	126.16
05:00	1324.8	9.00	1270.3	134.91
05:05	1411.6	9.21	1349.9	144.21
05:10	1530.7	9.46	1448.4	154.18
05:15	1697.3	9.80	1586.2	165.11
05:20	1918.3	10.23	1777.2	177.35
05:25	2195.4	10.77	2027.4	191.31

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	2584.7	11.42	2362.2	207.58
05:35	2984.8	12.14	2769.4	226.65
05:40	3158.0	12.62	3068.0	247.78
05:45	2999.5	12.65	3081.6	269.01
05:50	2623.0	12.23	2824.0	288.45
05:55	2165.8	11.53	2424.1	305.15
06:00	1717.8	10.69	1990.4	318.86
06:05	1317.4	9.79	1583.0	329.76
06:10	952.4	8.85	1219.3	338.16
06:15	659.3	7.88	899.8	344.35
06:20	500.2	6.96	651.1	348.84
06:25	404.8	6.33	508.3	352.34
06:30	335.7	5.86	416.0	355.20
06:35	279.1	5.47	348.3	357.60
06:40	235.1	5.13	294.0	359.63
06:45	203.1	4.82	250.2	361.35
06:50	179.5	4.56	216.6	362.84
06:55	160.9	4.34	191.1	364.16
07:00	147.3	4.16	171.3	365.34
07:05	136.3	4.02	155.8	366.41
07:10	126.4	3.89	143.7	367.40
07:15	116.7	3.78	133.6	368.32
07:20	106.7	3.68	124.1	369.18
07:25	96.4	3.57	114.9	369.97
07:30	85.8	3.46	105.4	370.69
07:35	75.3	3.33	95.8	371.35
07:40	65.0	3.20	86.1	371.95
07:45	55.2	3.05	76.4	372.47
07:50	46.3	2.91	67.2	372.93
07:55	38.6	2.76	58.5	373.34
08:00	32.1	2.60	50.4	373.68
08:05	26.9	2.45	43.3	373.98
08:10	22.7	2.31	37.1	374.24
08:15	19.3	2.18	31.9	374.46
08:20	16.5	2.06	27.5	374.65
08:25	14.3	1.95	23.9	374.81
08:30	12.4	1.85	20.8	374.96
08:35	10.9	1.76	18.3	375.08
08:40	9.7	1.68	16.2	375.19
08:45	8.6	1.61	14.3	375.29
08:50	7.8	1.54	12.8	375.38
08:55	7.0	1.47	11.5	375.46
09:00	6.3	1.42	10.4	375.53
09:05	5.8	1.36	9.4	375.60
09:10	5.3	1.32	8.5	375.65
09:15	4.8	1.27	7.8	375.71
09:20	4.5	1.23	7.2	375.76
09:25	4.1	1.19	6.6	375.80
09:30	3.8	1.16	6.1	375.84
09:35	3.5	1.12	5.6	375.88
09:40	3.3	1.09	5.2	375.92
09:45	3.1	1.06	4.9	375.95
09:50	2.9	1.03	4.6	375.98
09:55	2.7	1.01	4.3	376.01
10:00	2.5	0.98	4.0	376.04
10:05	2.4	0.96	3.7	376.07
10:10	2.2	0.93	3.5	376.09
10:15	2.1	0.91	3.3	376.11
10:20	2.0	0.89	3.1	376.13
10:25	1.9	0.87	2.9	376.15
10:30	1.8	0.86	2.8	376.17
10:35	1.7	0.84	2.6	376.19

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.014	0.002	0.6	0.00
00:10	0.019	0.017	0.002	0.9	0.01
00:15	0.019	0.017	0.002	0.9	0.02
00:20	0.019	0.017	0.002	1.0	0.02
00:25	0.019	0.017	0.002	1.0	0.03
00:30	0.022	0.020	0.002	1.1	0.04
00:35	0.022	0.020	0.002	1.2	0.05
00:40	0.022	0.020	0.002	1.2	0.05
00:45	0.022	0.020	0.002	1.2	0.06
00:50	0.022	0.020	0.002	1.2	0.07
00:55	0.022	0.020	0.002	1.2	0.08
01:00	0.026	0.023	0.003	1.3	0.09
01:05	0.026	0.023	0.003	1.3	0.10
01:10	0.026	0.023	0.003	1.3	0.11
01:15	0.026	0.023	0.003	1.3	0.11
01:20	0.026	0.023	0.003	1.4	0.12
01:25	0.026	0.023	0.003	1.4	0.13
01:30	0.026	0.023	0.003	1.4	0.14
01:35	0.026	0.023	0.003	1.4	0.15
01:40	0.026	0.023	0.003	1.4	0.16
01:45	0.026	0.023	0.003	1.4	0.17
01:50	0.026	0.023	0.003	1.4	0.18
01:55	0.026	0.023	0.003	1.4	0.19
02:00	0.029	0.023	0.006	2.3	0.21
02:05	0.026	0.023	0.003	1.6	0.22
02:10	0.029	0.023	0.006	2.4	0.23
02:15	0.029	0.023	0.006	2.7	0.25
02:20	0.029	0.023	0.006	2.7	0.27
02:25	0.029	0.023	0.006	2.7	0.29
02:30	0.029	0.023	0.006	2.8	0.31
02:35	0.029	0.023	0.006	2.8	0.33
02:40	0.029	0.023	0.006	2.8	0.35
02:45	0.032	0.023	0.009	3.8	0.37
02:50	0.032	0.023	0.009	4.1	0.40
02:55	0.032	0.023	0.009	4.2	0.43
03:00	0.032	0.023	0.009	4.3	0.46
03:05	0.032	0.023	0.009	4.3	0.49
03:10	0.035	0.023	0.012	5.4	0.53
03:15	0.035	0.023	0.012	5.7	0.57
03:20	0.035	0.023	0.012	5.7	0.61
03:25	0.038	0.023	0.015	6.9	0.65
03:30	0.042	0.023	0.019	8.2	0.71
03:35	0.045	0.023	0.022	9.7	0.78
03:40	0.045	0.023	0.022	10.1	0.85
03:45	0.048	0.023	0.025	11.3	0.92
03:50	0.048	0.023	0.025	11.7	1.00
03:55	0.051	0.023	0.028	12.9	1.09
04:00	0.051	0.023	0.028	13.3	1.18
04:05	0.054	0.023	0.031	14.5	1.28
04:10	0.058	0.023	0.035	15.9	1.39
04:15	0.061	0.023	0.038	17.3	1.51
04:20	0.064	0.023	0.041	18.8	1.64
04:25	0.067	0.023	0.044	20.4	1.78
04:30	0.067	0.023	0.044	20.8	1.93
04:35	0.070	0.023	0.047	22.1	2.08
04:40	0.074	0.023	0.051	23.5	2.24
04:45	0.077	0.023	0.054	25.0	2.41
04:50	0.077	0.023	0.054	25.5	2.59
04:55	0.080	0.023	0.057	26.7	2.77
05:00	0.083	0.023	0.060	28.2	2.97
05:05	0.099	0.023	0.076	33.9	3.20
05:10	0.115	0.023	0.092	40.7	3.48
05:15	0.125	0.023	0.102	45.8	3.80
05:20	0.134	0.023	0.111	50.5	4.14
05:25	0.150	0.023	0.127	57.5	4.54

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.023	0.156	69.1	5.02
05:35	0.061	0.023	0.038	33.2	5.24
05:40	0.029	0.023	0.006	13.5	5.34
05:45	0.019	0.017	0.002	7.2	5.39
05:50	0.016	0.014	0.002	4.6	5.42
05:55	0.010	0.009	0.001	1.9	5.43
06:00	0.006	0.006	0.001	0.7	5.44
06:05	0.000	0.000	0.000	0.2	5.44
06:10	0.000	0.000	0.000	0.1	5.44
06:15	0.000	0.000	0.000	0.0	5.44
06:20	0.000	0.000	0.000	0.0	5.44
06:25	0.000	0.000	0.000	0.0	5.44
06:30	0.000	0.000	0.000	0.0	5.44
06:35	0.000	0.000	0.000	0.0	5.44
06:40	0.000	0.000	0.000	0.0	5.44
06:45	0.000	0.000	0.000	0.0	5.44
06:50	0.000	0.000	0.000	0.0	5.44
06:55	0.000	0.000	0.000	0.0	5.44
07:00	0.000	0.000	0.000	0.0	5.44
07:05	0.000	0.000	0.000	0.0	5.44
07:10	0.000	0.000	0.000	0.0	5.44
07:15	0.000	0.000	0.000	0.0	5.44
07:20	0.000	0.000	0.000	0.0	5.44
07:25	0.000	0.000	0.000	0.0	5.44
07:30	0.000	0.000	0.000	0.0	5.44
07:35	0.000	0.000	0.000	0.0	5.44
07:40	0.000	0.000	0.000	0.0	5.44
07:45	0.000	0.000	0.000	0.0	5.44
07:50	0.000	0.000	0.000	0.0	5.44
07:55	0.000	0.000	0.000	0.0	5.44
08:00	0.000	0.000	0.000	0.0	5.44
08:05	0.000	0.000	0.000	0.0	5.44
08:10	0.000	0.000	0.000	0.0	5.44
08:15	0.000	0.000	0.000	0.0	5.44
08:20	0.000	0.000	0.000	0.0	5.44
08:25	0.000	0.000	0.000	0.0	5.44
08:30	0.000	0.000	0.000	0.0	5.44
08:35	0.000	0.000	0.000	0.0	5.44
08:40	0.000	0.000	0.000	0.0	5.44
08:45	0.000	0.000	0.000	0.0	5.44
08:50	0.000	0.000	0.000	0.0	5.44
08:55	0.000	0.000	0.000	0.0	5.44
09:00	0.000	0.000	0.000	0.0	5.44
09:05	0.000	0.000	0.000	0.0	5.44
09:10	0.000	0.000	0.000	0.0	5.44
09:15	0.000	0.000	0.000	0.0	5.44
09:20	0.000	0.000	0.000	0.0	5.44
09:25	0.000	0.000	0.000	0.0	5.44
09:30	0.000	0.000	0.000	0.0	5.44
09:35	0.000	0.000	0.000	0.0	5.44
09:40	0.000	0.000	0.000	0.0	5.44
09:45	0.000	0.000	0.000	0.0	5.44
09:50	0.000	0.000	0.000	0.0	5.44
09:55	0.000	0.000	0.000	0.0	5.44
10:00	0.000	0.000	0.000	0.0	5.44
10:05	0.000	0.000	0.000	0.0	5.44
10:10	0.000	0.000	0.000	0.0	5.44
10:15	0.000	0.000	0.000	0.0	5.44
10:20	0.000	0.000	0.000	0.0	5.44
10:25	0.000	0.000	0.000	0.0	5.44
10:30	0.000	0.000	0.000	0.0	5.44
10:35	0.000	0.000	0.000	0.0	5.44

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.003	0.013	1.7	0.01
00:10	0.019	0.003	0.016	3.5	0.04
00:15	0.019	0.003	0.016	4.3	0.07
00:20	0.019	0.003	0.016	4.7	0.10
00:25	0.019	0.003	0.016	4.8	0.13
00:30	0.022	0.003	0.019	5.3	0.17
00:35	0.022	0.003	0.019	5.8	0.21
00:40	0.022	0.003	0.019	6.0	0.25
00:45	0.022	0.003	0.019	6.2	0.29
00:50	0.022	0.003	0.019	6.2	0.33
00:55	0.022	0.003	0.019	6.2	0.38
01:00	0.026	0.003	0.023	6.7	0.42
01:05	0.026	0.003	0.023	7.0	0.47
01:10	0.026	0.003	0.023	7.2	0.52
01:15	0.026	0.003	0.023	7.2	0.57
01:20	0.026	0.003	0.023	7.3	0.62
01:25	0.026	0.003	0.023	7.3	0.67
01:30	0.026	0.003	0.023	7.3	0.72
01:35	0.026	0.003	0.023	7.3	0.77
01:40	0.026	0.003	0.023	7.3	0.82
01:45	0.026	0.003	0.023	7.4	0.87
01:50	0.026	0.003	0.023	7.4	0.92
01:55	0.026	0.003	0.023	7.4	0.97
02:00	0.029	0.003	0.026	7.8	1.03
02:05	0.026	0.003	0.023	7.7	1.08
02:10	0.029	0.003	0.026	7.9	1.14
02:15	0.029	0.003	0.026	8.2	1.19
02:20	0.029	0.003	0.026	8.2	1.25
02:25	0.029	0.003	0.026	8.3	1.31
02:30	0.029	0.003	0.026	8.3	1.36
02:35	0.029	0.003	0.026	8.3	1.42
02:40	0.029	0.003	0.026	8.4	1.48
02:45	0.032	0.003	0.029	8.8	1.54
02:50	0.032	0.003	0.029	9.1	1.60
02:55	0.032	0.003	0.029	9.3	1.67
03:00	0.032	0.003	0.029	9.3	1.73
03:05	0.032	0.003	0.029	9.3	1.79
03:10	0.035	0.003	0.032	9.8	1.86
03:15	0.035	0.003	0.032	10.1	1.93
03:20	0.035	0.003	0.032	10.3	2.00
03:25	0.038	0.003	0.035	10.8	2.08
03:30	0.042	0.003	0.039	11.6	2.16
03:35	0.045	0.003	0.042	12.5	2.24
03:40	0.045	0.003	0.042	13.0	2.33
03:45	0.048	0.003	0.045	13.6	2.42
03:50	0.048	0.003	0.045	14.1	2.52
03:55	0.051	0.003	0.048	14.7	2.62
04:00	0.051	0.003	0.048	15.2	2.73
04:05	0.054	0.003	0.051	15.8	2.84
04:10	0.058	0.003	0.055	16.7	2.95
04:15	0.061	0.003	0.058	17.6	3.07
04:20	0.064	0.003	0.061	18.6	3.20
04:25	0.067	0.003	0.064	19.6	3.33
04:30	0.067	0.003	0.064	20.1	3.47
04:35	0.070	0.003	0.067	20.8	3.62
04:40	0.074	0.003	0.071	21.7	3.77
04:45	0.077	0.003	0.074	22.7	3.92
04:50	0.077	0.003	0.074	23.3	4.08
04:55	0.080	0.003	0.077	24.0	4.25
05:00	0.083	0.003	0.080	24.9	4.42
05:05	0.099	0.003	0.096	27.5	4.61
05:10	0.115	0.003	0.112	31.6	4.83
05:15	0.125	0.003	0.122	35.2	5.07
05:20	0.134	0.003	0.131	38.5	5.33
05:25	0.150	0.003	0.147	42.4	5.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.003	0.176	48.7	5.96
05:35	0.061	0.003	0.058	37.1	6.22
05:40	0.029	0.003	0.026	22.2	6.37
05:45	0.019	0.003	0.016	14.5	6.47
05:50	0.016	0.003	0.013	9.9	6.54
05:55	0.010	0.003	0.007	7.4	6.59
06:00	0.006	0.002	0.004	5.6	6.63
06:05	0.000	0.000	0.000	3.8	6.66
06:10	0.000	0.000	0.000	2.3	6.67
06:15	0.000	0.000	0.000	1.2	6.68
06:20	0.000	0.000	0.000	0.5	6.68
06:25	0.000	0.000	0.000	0.3	6.68
06:30	0.000	0.000	0.000	0.2	6.69
06:35	0.000	0.000	0.000	0.1	6.69
06:40	0.000	0.000	0.000	0.0	6.69
06:45	0.000	0.000	0.000	0.0	6.69
06:50	0.000	0.000	0.000	0.0	6.69
06:55	0.000	0.000	0.000	0.0	6.69
07:00	0.000	0.000	0.000	0.0	6.69
07:05	0.000	0.000	0.000	0.0	6.69
07:10	0.000	0.000	0.000	0.0	6.69
07:15	0.000	0.000	0.000	0.0	6.69
07:20	0.000	0.000	0.000	0.0	6.69
07:25	0.000	0.000	0.000	0.0	6.69
07:30	0.000	0.000	0.000	0.0	6.69
07:35	0.000	0.000	0.000	0.0	6.69
07:40	0.000	0.000	0.000	0.0	6.69
07:45	0.000	0.000	0.000	0.0	6.69
07:50	0.000	0.000	0.000	0.0	6.69
07:55	0.000	0.000	0.000	0.0	6.69
08:00	0.000	0.000	0.000	0.0	6.69
08:05	0.000	0.000	0.000	0.0	6.69
08:10	0.000	0.000	0.000	0.0	6.69
08:15	0.000	0.000	0.000	0.0	6.69
08:20	0.000	0.000	0.000	0.0	6.69
08:25	0.000	0.000	0.000	0.0	6.69
08:30	0.000	0.000	0.000	0.0	6.69
08:35	0.000	0.000	0.000	0.0	6.69
08:40	0.000	0.000	0.000	0.0	6.69
08:45	0.000	0.000	0.000	0.0	6.69
08:50	0.000	0.000	0.000	0.0	6.69
08:55	0.000	0.000	0.000	0.0	6.69
09:00	0.000	0.000	0.000	0.0	6.69
09:05	0.000	0.000	0.000	0.0	6.69
09:10	0.000	0.000	0.000	0.0	6.69
09:15	0.000	0.000	0.000	0.0	6.69
09:20	0.000	0.000	0.000	0.0	6.69
09:25	0.000	0.000	0.000	0.0	6.69
09:30	0.000	0.000	0.000	0.0	6.69
09:35	0.000	0.000	0.000	0.0	6.69
09:40	0.000	0.000	0.000	0.0	6.69
09:45	0.000	0.000	0.000	0.0	6.69
09:50	0.000	0.000	0.000	0.0	6.69
09:55	0.000	0.000	0.000	0.0	6.69
10:00	0.000	0.000	0.000	0.0	6.69
10:05	0.000	0.000	0.000	0.0	6.69
10:10	0.000	0.000	0.000	0.0	6.69
10:15	0.000	0.000	0.000	0.0	6.69
10:20	0.000	0.000	0.000	0.0	6.69
10:25	0.000	0.000	0.000	0.0	6.69
10:30	0.000	0.000	0.000	0.0	6.69
10:35	0.000	0.000	0.000	0.0	6.69

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	1.1	1.7	0.01	0.01
00:10	0.02	1.1	3.5	0.02	0.04
00:15	0.04	1.1	4.3	0.05	0.07
00:20	0.07	1.1	4.7	0.08	0.10
00:25	0.10	1.1	4.8	0.11	0.13
00:30	0.13	1.2	5.3	0.15	0.17
00:35	0.16	1.2	5.8	0.19	0.21
00:40	0.19	1.2	6.0	0.23	0.25
00:45	0.23	1.2	6.2	0.27	0.29
00:50	0.26	1.2	6.2	0.31	0.33
00:55	0.30	1.2	6.2	0.36	0.38
01:00	0.34	1.2	6.7	0.40	0.42
01:05	0.38	1.2	7.0	0.45	0.47
01:10	0.42	1.2	7.2	0.50	0.52
01:15	0.46	1.2	7.2	0.55	0.57
01:20	0.50	1.2	7.3	0.60	0.62
01:25	0.55	1.2	7.3	0.65	0.67
01:30	0.59	1.2	7.3	0.70	0.72
01:35	0.63	1.2	7.3	0.75	0.77
01:40	0.67	1.2	7.3	0.80	0.82
01:45	0.72	1.2	7.4	0.85	0.87
01:50	0.76	1.2	7.4	0.90	0.92
01:55	0.80	1.2	7.4	0.95	0.97
02:00	0.85	1.2	7.8	1.00	1.03
02:05	0.89	1.2	7.7	1.05	1.08
02:10	0.94	1.2	7.9	1.11	1.14
02:15	0.98	1.2	8.2	1.16	1.19
02:20	1.03	1.2	8.2	1.22	1.25
02:25	1.07	1.2	8.3	1.28	1.31
02:30	1.12	1.2	8.3	1.33	1.36
02:35	1.16	1.2	8.3	1.39	1.42
02:40	1.21	1.2	8.4	1.45	1.48
02:45	1.26	1.2	8.8	1.51	1.54
02:50	1.31	1.3	9.1	1.57	1.60
02:55	1.36	1.3	9.3	1.63	1.67
03:00	1.41	1.3	9.3	1.70	1.73
03:05	1.46	1.3	9.3	1.76	1.79
03:10	1.51	1.3	9.8	1.83	1.86
03:15	1.56	1.3	10.1	1.90	1.93
03:20	1.62	1.3	10.3	1.97	2.00
03:25	1.68	1.3	10.8	2.04	2.08
03:30	1.74	1.3	11.6	2.12	2.16
03:35	1.80	1.3	12.5	2.20	2.24
03:40	1.87	1.3	13.0	2.29	2.33
03:45	1.94	1.3	13.6	2.38	2.42
03:50	2.02	1.3	14.1	2.47	2.52
03:55	2.09	1.3	14.7	2.57	2.62
04:00	2.17	1.3	15.2	2.68	2.73
04:05	2.24	1.3	15.8	2.78	2.84
04:10	2.33	1.3	16.7	2.89	2.95
04:15	2.41	1.3	17.6	3.01	3.07
04:20	2.51	1.4	18.6	3.14	3.20
04:25	2.60	1.4	19.6	3.27	3.33
04:30	2.70	1.4	20.1	3.40	3.47
04:35	2.81	1.4	20.8	3.55	3.62
04:40	2.92	1.4	21.7	3.69	3.77
04:45	3.03	1.4	22.7	3.84	3.92
04:50	3.13	1.4	23.3	3.99	4.08
04:55	3.22	1.4	24.0	4.13	4.25
05:00	3.30	1.4	24.9	4.24	4.42
05:05	3.37	1.4	27.5	4.35	4.61
05:10	3.44	1.4	31.6	4.45	4.83
05:15	3.51	1.4	35.2	4.55	5.07
05:20	3.58	1.5	38.5	4.64	5.33
05:25	3.64	1.5	42.4	4.73	5.63

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.71	1.5	48.7	4.83	5.96
05:35	3.74	1.5	37.1	4.88	6.22
05:40	3.72	1.5	22.2	4.84	6.37
05:45	3.65	1.5	14.5	4.75	6.47
05:50	3.58	1.5	9.9	4.64	6.54
05:55	3.51	1.4	7.4	4.54	6.59
06:00	3.45	1.4	5.6	4.46	6.63
06:05	3.40	1.4	3.8	4.38	6.66
06:10	3.35	1.4	2.3	4.31	6.67
06:15	3.31	1.4	1.2	4.25	6.68
06:20	3.27	1.4	0.5	4.20	6.68
06:25	3.24	1.4	0.3	4.15	6.68
06:30	3.21	1.4	0.2	4.11	6.69
06:35	3.19	1.4	0.1	4.08	6.69
06:40	3.17	1.4	0.0	4.05	6.69
06:45	3.15	1.4	0.0	4.02	6.69
06:50	3.14	1.4	0.0	4.00	6.69
06:55	3.12	1.4	0.0	3.98	6.69
07:00	3.11	1.4	0.0	3.97	6.69
07:05	3.10	1.4	0.0	3.95	6.69
07:10	3.09	1.4	0.0	3.94	6.69
07:15	3.09	1.4	0.0	3.93	6.69
07:20	3.08	1.4	0.0	3.92	6.69
07:25	3.07	1.4	0.0	3.91	6.69
07:30	3.07	1.4	0.0	3.91	6.69
07:35	3.06	1.4	0.0	3.90	6.69
07:40	3.06	1.4	0.0	3.89	6.69
07:45	3.06	1.4	0.0	3.89	6.69
07:50	3.05	1.4	0.0	3.88	6.69
07:55	3.05	1.4	0.0	3.88	6.69
08:00	3.05	1.4	0.0	3.87	6.69
08:05	3.04	1.4	0.0	3.87	6.69
08:10	3.04	1.4	0.0	3.87	6.69
08:15	3.04	1.4	0.0	3.86	6.69
08:20	3.04	1.4	0.0	3.86	6.69
08:25	3.04	1.4	0.0	3.86	6.69
08:30	3.03	1.4	0.0	3.85	6.69
08:35	3.03	1.4	0.0	3.85	6.69
08:40	3.03	1.4	0.0	3.85	6.69
08:45	3.03	1.4	0.0	3.85	6.69
08:50	3.03	1.4	0.0	3.85	6.69
08:55	3.03	1.4	0.0	3.84	6.69
09:00	3.03	1.4	0.0	3.84	6.69
09:05	3.02	1.4	0.0	3.84	6.69
09:10	3.02	1.4	0.0	3.84	6.69
09:15	3.02	1.4	0.0	3.84	6.69
09:20	3.02	1.4	0.0	3.84	6.69
09:25	3.02	1.4	0.0	3.84	6.69
09:30	3.02	1.4	0.0	3.83	6.69
09:35	3.02	1.4	0.0	3.83	6.69
09:40	3.02	1.4	0.0	3.83	6.69
09:45	3.02	1.4	0.0	3.83	6.69
09:50	3.02	1.4	0.0	3.83	6.69
09:55	3.02	1.4	0.0	3.83	6.69
10:00	3.02	1.4	0.0	3.83	6.69
10:05	3.02	1.4	0.0	3.83	6.69
10:10	3.02	1.4	0.0	3.83	6.69
10:15	3.01	1.4	0.0	3.83	6.69
10:20	3.01	1.4	0.0	3.83	6.69
10:25	3.01	1.4	0.0	3.83	6.69
10:30	3.01	1.4	0.0	3.82	6.69
10:35	3.01	1.4	0.0	3.82	6.69

Time	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	CFS	AC-FT
00:05	0.000	0.0	0.00
00:10	0.000	0.0	0.00
00:15	0.000	0.0	0.00
00:20	0.000	0.0	0.00
00:25	0.000	0.0	0.00
00:30	0.000	0.0	0.00
00:35	0.000	0.0	0.00
00:40	0.000	0.0	0.00
00:45	0.000	0.0	0.00
00:50	0.000	0.0	0.00
00:55	0.000	0.0	0.00
01:00	0.000	0.0	0.00
01:05	0.000	0.0	0.00
01:10	0.000	0.0	0.00
01:15	0.000	0.0	0.00
01:20	0.000	0.0	0.00
01:25	0.000	0.0	0.00
01:30	0.000	0.0	0.00
01:35	0.000	0.0	0.00
01:40	0.000	0.0	0.00
01:45	0.000	0.0	0.00
01:50	0.000	0.0	0.00
01:55	0.000	0.0	0.00
02:00	0.000	0.0	0.00
02:05	0.000	0.0	0.00
02:10	0.000	0.0	0.00
02:15	0.000	0.0	0.00
02:20	0.000	0.0	0.00
02:25	0.000	0.0	0.00
02:30	0.000	0.0	0.00
02:35	0.000	0.0	0.00
02:40	0.000	0.0	0.00
02:45	0.003	0.5	0.00
02:50	0.003	0.6	0.01
02:55	0.003	0.6	0.01
03:00	0.003	0.6	0.02
03:05	0.003	0.6	0.02
03:10	0.006	1.2	0.03
03:15	0.006	1.3	0.04
03:20	0.006	1.3	0.05
03:25	0.009	1.9	0.06
03:30	0.012	2.6	0.08
03:35	0.016	3.3	0.10
03:40	0.016	3.4	0.12
03:45	0.019	4.1	0.15
03:50	0.019	4.1	0.18
03:55	0.022	4.8	0.21
04:00	0.022	4.8	0.25
04:05	0.025	5.5	0.29
04:10	0.028	6.1	0.33
04:15	0.032	6.9	0.37
04:20	0.035	7.6	0.43
04:25	0.038	8.3	0.48
04:30	0.038	8.4	0.54
04:35	0.041	9.0	0.60
04:40	0.044	9.7	0.67
04:45	0.048	10.4	0.74
04:50	0.048	10.5	0.81
04:55	0.051	11.1	0.89
05:00	0.054	11.8	0.97
05:05	0.070	14.9	1.08
05:10	0.086	18.3	1.20
05:15	0.096	20.6	1.34
05:20	0.105	22.9	1.50
05:25	0.121	26.2	1.68

Time	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	CFS	AC-FT
05:30	0.150	32.0	1.90
05:35	0.032	10.8	1.98
05:40	0.000	2.6	1.99
05:45	0.000	0.4	2.00
05:50	0.000	0.0	2.00
05:55	0.000	0.0	2.00
06:00	0.000	0.0	2.00
06:05	0.000	0.0	2.00
06:10	0.000	0.0	2.00
06:15	0.000	0.0	2.00
06:20	0.000	0.0	2.00
06:25	0.000	0.0	2.00
06:30	0.000	0.0	2.00
06:35	0.000	0.0	2.00
06:40	0.000	0.0	2.00
06:45	0.000	0.0	2.00
06:50	0.000	0.0	2.00
06:55	0.000	0.0	2.00
07:00	0.000	0.0	2.00
07:05	0.000	0.0	2.00
07:10	0.000	0.0	2.00
07:15	0.000	0.0	2.00
07:20	0.000	0.0	2.00
07:25	0.000	0.0	2.00
07:30	0.000	0.0	2.00
07:35	0.000	0.0	2.00
07:40	0.000	0.0	2.00
07:45	0.000	0.0	2.00
07:50	0.000	0.0	2.00
07:55	0.000	0.0	2.00
08:00	0.000	0.0	2.00
08:05	0.000	0.0	2.00
08:10	0.000	0.0	2.00
08:15	0.000	0.0	2.00
08:20	0.000	0.0	2.00
08:25	0.000	0.0	2.00
08:30	0.000	0.0	2.00
08:35	0.000	0.0	2.00
08:40	0.000	0.0	2.00
08:45	0.000	0.0	2.00
08:50	0.000	0.0	2.00
08:55	0.000	0.0	2.00
09:00	0.000	0.0	2.00
09:05	0.000	0.0	2.00
09:10	0.000	0.0	2.00
09:15	0.000	0.0	2.00
09:20	0.000	0.0	2.00
09:25	0.000	0.0	2.00
09:30	0.000	0.0	2.00
09:35	0.000	0.0	2.00
09:40	0.000	0.0	2.00
09:45	0.000	0.0	2.00
09:50	0.000	0.0	2.00
09:55	0.000	0.0	2.00
10:00	0.000	0.0	2.00
10:05	0.000	0.0	2.00
10:10	0.000	0.0	2.00
10:15	0.000	0.0	2.00
10:20	0.000	0.0	2.00
10:25	0.000	0.0	2.00
10:30	0.000	0.0	2.00
10:35	0.000	0.0	2.00

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.003	0.013	0.5	0.00
00:10	0.019	0.003	0.016	1.0	0.01
00:15	0.019	0.003	0.016	1.2	0.02
00:20	0.019	0.003	0.016	1.2	0.03
00:25	0.019	0.003	0.016	1.3	0.04
00:30	0.022	0.003	0.019	1.4	0.05
00:35	0.022	0.003	0.019	1.5	0.06
00:40	0.022	0.003	0.019	1.6	0.07
00:45	0.022	0.003	0.019	1.6	0.08
00:50	0.022	0.003	0.019	1.6	0.09
00:55	0.022	0.003	0.019	1.6	0.10
01:00	0.026	0.003	0.022	1.8	0.11
01:05	0.026	0.003	0.022	1.9	0.13
01:10	0.026	0.003	0.022	1.9	0.14
01:15	0.026	0.003	0.022	1.9	0.15
01:20	0.026	0.003	0.022	1.9	0.17
01:25	0.026	0.003	0.022	1.9	0.18
01:30	0.026	0.003	0.022	1.9	0.19
01:35	0.026	0.003	0.022	1.9	0.20
01:40	0.026	0.003	0.022	1.9	0.22
01:45	0.026	0.003	0.022	1.9	0.23
01:50	0.026	0.003	0.022	1.9	0.24
01:55	0.026	0.003	0.022	1.9	0.26
02:00	0.029	0.003	0.025	2.1	0.27
02:05	0.026	0.003	0.022	2.0	0.29
02:10	0.029	0.003	0.025	2.1	0.30
02:15	0.029	0.003	0.025	2.2	0.31
02:20	0.029	0.003	0.025	2.2	0.33
02:25	0.029	0.003	0.025	2.2	0.34
02:30	0.029	0.003	0.025	2.2	0.36
02:35	0.029	0.003	0.025	2.2	0.38
02:40	0.029	0.003	0.025	2.2	0.39
02:45	0.032	0.003	0.029	2.3	0.41
02:50	0.032	0.003	0.029	2.4	0.42
02:55	0.032	0.003	0.029	2.4	0.44
03:00	0.032	0.003	0.029	2.5	0.46
03:05	0.032	0.003	0.029	2.5	0.47
03:10	0.035	0.003	0.032	2.6	0.49
03:15	0.035	0.003	0.032	2.7	0.51
03:20	0.035	0.003	0.032	2.7	0.53
03:25	0.038	0.003	0.035	2.9	0.55
03:30	0.042	0.003	0.038	3.1	0.57
03:35	0.045	0.003	0.041	3.3	0.59
03:40	0.045	0.003	0.041	3.5	0.62
03:45	0.048	0.003	0.045	3.6	0.64
03:50	0.048	0.003	0.045	3.7	0.67
03:55	0.051	0.003	0.048	3.9	0.69
04:00	0.051	0.003	0.048	4.0	0.72
04:05	0.054	0.003	0.051	4.2	0.75
04:10	0.058	0.003	0.054	4.5	0.78
04:15	0.061	0.003	0.057	4.7	0.81
04:20	0.064	0.003	0.061	5.0	0.85
04:25	0.067	0.003	0.064	5.2	0.88
04:30	0.067	0.003	0.064	5.4	0.92
04:35	0.070	0.003	0.067	5.6	0.96
04:40	0.074	0.003	0.070	5.8	1.00
04:45	0.077	0.003	0.073	6.1	1.04
04:50	0.077	0.003	0.073	6.2	1.08
04:55	0.080	0.003	0.077	6.4	1.13
05:00	0.083	0.003	0.080	6.7	1.17
05:05	0.099	0.003	0.096	7.5	1.23
05:10	0.115	0.003	0.112	8.6	1.29
05:15	0.125	0.003	0.121	9.5	1.35
05:20	0.134	0.003	0.131	10.4	1.42
05:25	0.150	0.003	0.147	11.5	1.50

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.003	0.176	13.3	1.59
05:35	0.061	0.003	0.057	9.2	1.66
05:40	0.029	0.003	0.025	5.4	1.69
05:45	0.019	0.003	0.016	3.5	1.72
05:50	0.016	0.003	0.013	2.5	1.74
05:55	0.010	0.003	0.006	1.8	1.75
06:00	0.006	0.003	0.003	1.2	1.76
06:05	0.000	0.000	0.000	0.7	1.76
06:10	0.000	0.000	0.000	0.3	1.76
06:15	0.000	0.000	0.000	0.1	1.76
06:20	0.000	0.000	0.000	0.1	1.76
06:25	0.000	0.000	0.000	0.0	1.77
06:30	0.000	0.000	0.000	0.0	1.77
06:35	0.000	0.000	0.000	0.0	1.77
06:40	0.000	0.000	0.000	0.0	1.77
06:45	0.000	0.000	0.000	0.0	1.77
06:50	0.000	0.000	0.000	0.0	1.77
06:55	0.000	0.000	0.000	0.0	1.77
07:00	0.000	0.000	0.000	0.0	1.77
07:05	0.000	0.000	0.000	0.0	1.77
07:10	0.000	0.000	0.000	0.0	1.77
07:15	0.000	0.000	0.000	0.0	1.77
07:20	0.000	0.000	0.000	0.0	1.77
07:25	0.000	0.000	0.000	0.0	1.77
07:30	0.000	0.000	0.000	0.0	1.77
07:35	0.000	0.000	0.000	0.0	1.77
07:40	0.000	0.000	0.000	0.0	1.77
07:45	0.000	0.000	0.000	0.0	1.77
07:50	0.000	0.000	0.000	0.0	1.77
07:55	0.000	0.000	0.000	0.0	1.77
08:00	0.000	0.000	0.000	0.0	1.77
08:05	0.000	0.000	0.000	0.0	1.77
08:10	0.000	0.000	0.000	0.0	1.77
08:15	0.000	0.000	0.000	0.0	1.77
08:20	0.000	0.000	0.000	0.0	1.77
08:25	0.000	0.000	0.000	0.0	1.77
08:30	0.000	0.000	0.000	0.0	1.77
08:35	0.000	0.000	0.000	0.0	1.77
08:40	0.000	0.000	0.000	0.0	1.77
08:45	0.000	0.000	0.000	0.0	1.77
08:50	0.000	0.000	0.000	0.0	1.77
08:55	0.000	0.000	0.000	0.0	1.77
09:00	0.000	0.000	0.000	0.0	1.77
09:05	0.000	0.000	0.000	0.0	1.77
09:10	0.000	0.000	0.000	0.0	1.77
09:15	0.000	0.000	0.000	0.0	1.77
09:20	0.000	0.000	0.000	0.0	1.77
09:25	0.000	0.000	0.000	0.0	1.77
09:30	0.000	0.000	0.000	0.0	1.77
09:35	0.000	0.000	0.000	0.0	1.77
09:40	0.000	0.000	0.000	0.0	1.77
09:45	0.000	0.000	0.000	0.0	1.77
09:50	0.000	0.000	0.000	0.0	1.77
09:55	0.000	0.000	0.000	0.0	1.77
10:00	0.000	0.000	0.000	0.0	1.77
10:05	0.000	0.000	0.000	0.0	1.77
10:10	0.000	0.000	0.000	0.0	1.77
10:15	0.000	0.000	0.000	0.0	1.77
10:20	0.000	0.000	0.000	0.0	1.77
10:25	0.000	0.000	0.000	0.0	1.77
10:30	0.000	0.000	0.000	0.0	1.77
10:35	0.000	0.000	0.000	0.0	1.77

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.032	0.000	0.0	0.00
02:50	0.032	0.032	0.000	0.0	0.00
02:55	0.032	0.032	0.000	0.0	0.00
03:00	0.032	0.032	0.000	0.0	0.00
03:05	0.032	0.032	0.000	0.0	0.00
03:10	0.035	0.032	0.004	0.1	0.00
03:15	0.035	0.032	0.004	0.2	0.00
03:20	0.035	0.032	0.004	0.2	0.00
03:25	0.038	0.032	0.007	0.3	0.01
03:30	0.042	0.032	0.010	0.5	0.01
03:35	0.045	0.032	0.013	0.6	0.01
03:40	0.045	0.032	0.013	0.7	0.02
03:45	0.048	0.032	0.016	0.8	0.02
03:50	0.048	0.032	0.016	0.9	0.03
03:55	0.051	0.032	0.020	1.0	0.04
04:00	0.051	0.032	0.020	1.0	0.04
04:05	0.054	0.032	0.023	1.2	0.05
04:10	0.058	0.032	0.026	1.3	0.06
04:15	0.061	0.032	0.029	1.5	0.07
04:20	0.064	0.032	0.032	1.7	0.08
04:25	0.067	0.032	0.036	1.9	0.10
04:30	0.067	0.032	0.036	1.9	0.11
04:35	0.070	0.032	0.039	2.1	0.12
04:40	0.074	0.032	0.042	2.2	0.14
04:45	0.077	0.032	0.045	2.4	0.15
04:50	0.077	0.032	0.045	2.4	0.17
04:55	0.080	0.032	0.048	2.6	0.19
05:00	0.083	0.032	0.052	2.7	0.21
05:05	0.099	0.032	0.068	3.4	0.23
05:10	0.115	0.032	0.084	4.2	0.26
05:15	0.125	0.032	0.093	4.8	0.29
05:20	0.134	0.032	0.103	5.3	0.33
05:25	0.150	0.032	0.119	6.1	0.37

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.032	0.148	7.4	0.42
05:35	0.061	0.032	0.029	3.4	0.45
05:40	0.029	0.029	0.000	1.2	0.45
05:45	0.019	0.019	0.000	0.6	0.46
05:50	0.016	0.016	0.000	0.4	0.46
05:55	0.010	0.010	0.000	0.2	0.46
06:00	0.006	0.006	0.000	0.0	0.46
06:05	0.000	0.000	0.000	0.0	0.46
06:10	0.000	0.000	0.000	0.0	0.46
06:15	0.000	0.000	0.000	0.0	0.46
06:20	0.000	0.000	0.000	0.0	0.46
06:25	0.000	0.000	0.000	0.0	0.46
06:30	0.000	0.000	0.000	0.0	0.46
06:35	0.000	0.000	0.000	0.0	0.46
06:40	0.000	0.000	0.000	0.0	0.46
06:45	0.000	0.000	0.000	0.0	0.46
06:50	0.000	0.000	0.000	0.0	0.46
06:55	0.000	0.000	0.000	0.0	0.46
07:00	0.000	0.000	0.000	0.0	0.46
07:05	0.000	0.000	0.000	0.0	0.46
07:10	0.000	0.000	0.000	0.0	0.46
07:15	0.000	0.000	0.000	0.0	0.46
07:20	0.000	0.000	0.000	0.0	0.46
07:25	0.000	0.000	0.000	0.0	0.46
07:30	0.000	0.000	0.000	0.0	0.46
07:35	0.000	0.000	0.000	0.0	0.46
07:40	0.000	0.000	0.000	0.0	0.46
07:45	0.000	0.000	0.000	0.0	0.46
07:50	0.000	0.000	0.000	0.0	0.46
07:55	0.000	0.000	0.000	0.0	0.46
08:00	0.000	0.000	0.000	0.0	0.46
08:05	0.000	0.000	0.000	0.0	0.46
08:10	0.000	0.000	0.000	0.0	0.46
08:15	0.000	0.000	0.000	0.0	0.46
08:20	0.000	0.000	0.000	0.0	0.46
08:25	0.000	0.000	0.000	0.0	0.46
08:30	0.000	0.000	0.000	0.0	0.46
08:35	0.000	0.000	0.000	0.0	0.46
08:40	0.000	0.000	0.000	0.0	0.46
08:45	0.000	0.000	0.000	0.0	0.46
08:50	0.000	0.000	0.000	0.0	0.46
08:55	0.000	0.000	0.000	0.0	0.46
09:00	0.000	0.000	0.000	0.0	0.46
09:05	0.000	0.000	0.000	0.0	0.46
09:10	0.000	0.000	0.000	0.0	0.46
09:15	0.000	0.000	0.000	0.0	0.46
09:20	0.000	0.000	0.000	0.0	0.46
09:25	0.000	0.000	0.000	0.0	0.46
09:30	0.000	0.000	0.000	0.0	0.46
09:35	0.000	0.000	0.000	0.0	0.46
09:40	0.000	0.000	0.000	0.0	0.46
09:45	0.000	0.000	0.000	0.0	0.46
09:50	0.000	0.000	0.000	0.0	0.46
09:55	0.000	0.000	0.000	0.0	0.46
10:00	0.000	0.000	0.000	0.0	0.46
10:05	0.000	0.000	0.000	0.0	0.46
10:10	0.000	0.000	0.000	0.0	0.46
10:15	0.000	0.000	0.000	0.0	0.46
10:20	0.000	0.000	0.000	0.0	0.46
10:25	0.000	0.000	0.000	0.0	0.46
10:30	0.000	0.000	0.000	0.0	0.46
10:35	0.000	0.000	0.000	0.0	0.46

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	1.1	0.00	0.0	0.00
00:10	1.8	5.94	0.7	0.00
00:15	2.1	7.23	1.8	0.02
00:20	2.2	7.44	2.1	0.03
00:25	2.3	7.53	2.2	0.05
00:30	2.6	7.60	2.3	0.06
00:35	2.7	7.76	2.6	0.08
00:40	2.8	7.85	2.7	0.10
00:45	2.8	7.89	2.8	0.12
00:50	2.8	7.90	2.8	0.14
00:55	2.8	7.91	2.8	0.16
01:00	3.1	7.93	2.8	0.18
01:05	3.2	8.06	3.1	0.20
01:10	3.2	8.11	3.2	0.22
01:15	3.3	8.13	3.2	0.24
01:20	3.3	8.14	3.3	0.26
01:25	3.3	8.15	3.3	0.29
01:30	3.3	8.15	3.3	0.31
01:35	3.3	8.15	3.3	0.33
01:40	3.3	8.16	3.3	0.35
01:45	3.3	8.16	3.3	0.38
01:50	3.3	8.16	3.3	0.40
01:55	3.3	8.16	3.3	0.42
02:00	4.4	8.24	3.4	0.45
02:05	3.6	8.61	4.3	0.47
02:10	4.5	8.37	3.7	0.50
02:15	4.8	8.71	4.5	0.53
02:20	4.9	8.81	4.8	0.56
02:25	4.9	8.84	4.9	0.60
02:30	5.0	8.85	4.9	0.63
02:35	5.0	8.86	5.0	0.67
02:40	5.0	8.87	5.0	0.70
02:45	6.7	8.98	5.3	0.74
02:50	7.2	9.44	6.8	0.78
02:55	7.3	9.54	7.2	0.83
03:00	7.4	9.57	7.3	0.88
03:05	7.4	9.59	7.4	0.94
03:10	9.4	9.72	7.9	0.99
03:15	9.8	10.08	9.5	1.05
03:20	10.0	10.17	9.9	1.12
03:25	12.0	10.30	10.5	1.19
03:30	14.4	10.70	12.7	1.28
03:35	17.0	11.09	15.2	1.39
03:40	17.7	11.36	17.2	1.51
03:45	19.9	11.52	18.4	1.63
03:50	20.5	11.72	20.1	1.77
03:55	22.6	11.86	21.3	1.92
04:00	23.2	12.03	22.9	2.07
04:05	25.4	12.15	24.0	2.24
04:10	27.8	12.37	26.3	2.42
04:15	30.4	12.60	28.9	2.62
04:20	33.1	12.83	31.5	2.84
04:25	35.7	13.04	34.2	3.07
04:30	36.5	13.18	36.1	3.32
04:35	38.7	13.28	37.5	3.58
04:40	41.3	13.44	39.9	3.85
04:45	44.1	13.62	42.6	4.15
04:50	47.3	13.81	45.6	4.46
04:55	52.8	14.06	49.9	4.80
05:00	58.8	14.37	55.7	5.19
05:05	72.6	14.86	65.7	5.64
05:10	88.5	15.49	80.9	6.20
05:15	101.6	16.01	95.5	6.86
05:20	114.1	16.42	108.4	7.60
05:25	130.4	16.85	123.2	8.45

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	155.7	17.40	144.9	9.45
05:35	93.1	16.79	121.2	10.28
05:40	57.3	15.24	74.7	10.80
05:45	41.6	14.06	49.9	11.14
05:50	32.5	13.28	37.6	11.40
05:55	24.7	12.64	29.3	11.60
06:00	19.2	12.00	22.6	11.76
06:05	15.3	11.45	17.8	11.88
06:10	12.3	10.95	14.3	11.98
06:15	9.9	10.50	11.6	12.06
06:20	8.1	10.08	9.5	12.12
06:25	6.6	9.69	7.8	12.18
06:30	5.5	9.32	6.4	12.22
06:35	4.6	8.99	5.3	12.26
06:40	3.9	8.69	4.5	12.29
06:45	3.3	8.41	3.8	12.31
06:50	2.8	8.15	3.3	12.34
06:55	2.5	7.91	2.8	12.36
07:00	2.1	7.69	2.4	12.37
07:05	1.9	7.48	2.1	12.39
07:10	1.6	7.29	1.9	12.40
07:15	1.5	7.11	1.7	12.41
07:20	1.3	6.94	1.5	12.42
07:25	1.2	6.79	1.3	12.43
07:30	1.0	6.64	1.2	12.44
07:35	0.9	6.50	1.1	12.45
07:40	0.8	6.36	1.0	12.45
07:45	0.8	6.24	0.9	12.46
07:50	0.7	6.12	0.8	12.46
07:55	0.6	6.00	0.7	12.47
08:00	0.6	5.90	0.7	12.47
08:05	0.5	5.79	0.6	12.48
08:10	0.5	5.69	0.5	12.48
08:15	0.5	5.60	0.5	12.49
08:20	0.4	5.51	0.5	12.49
08:25	0.4	5.42	0.4	12.49
08:30	0.4	5.34	0.4	12.49
08:35	0.3	5.26	0.4	12.50
08:40	0.3	5.18	0.3	12.50
08:45	0.3	5.11	0.3	12.50
08:50	0.3	5.04	0.3	12.50
08:55	0.3	4.97	0.3	12.51
09:00	0.2	4.90	0.3	12.51
09:05	0.2	4.84	0.2	12.51
09:10	0.2	4.78	0.2	12.51
09:15	0.2	4.72	0.2	12.51
09:20	0.2	4.66	0.2	12.51
09:25	0.2	4.60	0.2	12.51
09:30	0.2	4.55	0.2	12.52
09:35	0.2	4.50	0.2	12.52
09:40	0.1	4.44	0.2	12.52
09:45	0.1	4.40	0.2	12.52
09:50	0.1	4.35	0.1	12.52
09:55	0.1	4.30	0.1	12.52
10:00	0.1	4.25	0.1	12.52
10:05	0.1	4.21	0.1	12.52
10:10	0.1	4.17	0.1	12.52
10:15	0.1	4.13	0.1	12.52
10:20	0.1	4.08	0.1	12.52
10:25	0.1	4.04	0.1	12.53
10:30	0.1	4.01	0.1	12.53
10:35	0.1	3.97	0.1	12.53

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.010	0.006	0.9	0.01
00:10	0.019	0.011	0.008	1.6	0.02
00:15	0.019	0.011	0.008	1.9	0.03
00:20	0.019	0.011	0.008	2.0	0.04
00:25	0.019	0.011	0.008	2.1	0.06
00:30	0.022	0.011	0.011	2.7	0.08
00:35	0.022	0.011	0.011	2.9	0.10
00:40	0.022	0.011	0.011	3.0	0.12
00:45	0.022	0.011	0.011	3.1	0.14
00:50	0.022	0.011	0.011	3.1	0.16
00:55	0.022	0.011	0.011	3.1	0.18
01:00	0.026	0.011	0.014	3.6	0.21
01:05	0.026	0.011	0.014	3.9	0.23
01:10	0.026	0.011	0.014	3.9	0.26
01:15	0.026	0.011	0.014	4.0	0.29
01:20	0.026	0.011	0.014	4.0	0.32
01:25	0.026	0.011	0.014	4.0	0.34
01:30	0.026	0.011	0.014	4.0	0.37
01:35	0.026	0.011	0.014	4.0	0.40
01:40	0.026	0.011	0.014	4.0	0.43
01:45	0.026	0.011	0.014	4.0	0.45
01:50	0.026	0.011	0.014	4.0	0.48
01:55	0.026	0.011	0.014	4.0	0.51
02:00	0.029	0.011	0.017	4.5	0.54
02:05	0.026	0.011	0.014	4.2	0.57
02:10	0.029	0.011	0.017	4.6	0.60
02:15	0.029	0.011	0.017	4.8	0.64
02:20	0.029	0.011	0.017	4.9	0.67
02:25	0.029	0.011	0.017	4.9	0.70
02:30	0.029	0.011	0.017	4.9	0.74
02:35	0.029	0.011	0.017	4.9	0.77
02:40	0.029	0.011	0.017	4.9	0.80
02:45	0.032	0.011	0.021	5.5	0.84
02:50	0.032	0.011	0.021	5.7	0.88
02:55	0.032	0.011	0.021	5.8	0.92
03:00	0.032	0.011	0.021	5.8	0.96
03:05	0.032	0.011	0.021	5.8	1.00
03:10	0.035	0.011	0.024	6.3	1.04
03:15	0.035	0.011	0.024	6.6	1.09
03:20	0.035	0.011	0.024	6.7	1.14
03:25	0.038	0.011	0.027	7.2	1.19
03:30	0.042	0.011	0.030	8.0	1.24
03:35	0.045	0.011	0.033	8.8	1.30
03:40	0.045	0.011	0.033	9.1	1.36
03:45	0.048	0.011	0.037	9.8	1.43
03:50	0.048	0.011	0.037	10.1	1.50
03:55	0.051	0.011	0.040	10.7	1.57
04:00	0.051	0.011	0.040	11.0	1.65
04:05	0.054	0.011	0.043	11.7	1.73
04:10	0.058	0.011	0.046	12.4	1.82
04:15	0.061	0.011	0.049	13.3	1.91
04:20	0.064	0.011	0.053	14.2	2.01
04:25	0.067	0.011	0.056	15.1	2.11
04:30	0.067	0.011	0.056	15.4	2.22
04:35	0.070	0.011	0.059	16.1	2.33
04:40	0.074	0.011	0.062	16.9	2.44
04:45	0.077	0.011	0.065	17.8	2.57
04:50	0.077	0.011	0.065	18.2	2.69
04:55	0.080	0.011	0.069	18.9	2.82
05:00	0.083	0.011	0.072	19.7	2.96
05:05	0.099	0.011	0.088	22.6	3.11
05:10	0.115	0.011	0.104	26.4	3.29
05:15	0.125	0.011	0.113	29.6	3.50
05:20	0.134	0.011	0.123	32.3	3.72
05:25	0.150	0.011	0.139	36.1	3.97

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.011	0.168	42.4	4.26
05:35	0.061	0.011	0.049	26.0	4.44
05:40	0.029	0.011	0.017	13.9	4.54
05:45	0.019	0.011	0.008	7.5	4.59
05:50	0.016	0.010	0.006	5.3	4.62
05:55	0.010	0.006	0.003	3.8	4.65
06:00	0.006	0.004	0.002	2.4	4.67
06:05	0.000	0.000	0.000	0.8	4.67
06:10	0.000	0.000	0.000	0.3	4.67
06:15	0.000	0.000	0.000	0.1	4.67
06:20	0.000	0.000	0.000	0.1	4.68
06:25	0.000	0.000	0.000	0.0	4.68
06:30	0.000	0.000	0.000	0.0	4.68
06:35	0.000	0.000	0.000	0.0	4.68
06:40	0.000	0.000	0.000	0.0	4.68
06:45	0.000	0.000	0.000	0.0	4.68
06:50	0.000	0.000	0.000	0.0	4.68
06:55	0.000	0.000	0.000	0.0	4.68
07:00	0.000	0.000	0.000	0.0	4.68
07:05	0.000	0.000	0.000	0.0	4.68
07:10	0.000	0.000	0.000	0.0	4.68
07:15	0.000	0.000	0.000	0.0	4.68
07:20	0.000	0.000	0.000	0.0	4.68
07:25	0.000	0.000	0.000	0.0	4.68
07:30	0.000	0.000	0.000	0.0	4.68
07:35	0.000	0.000	0.000	0.0	4.68
07:40	0.000	0.000	0.000	0.0	4.68
07:45	0.000	0.000	0.000	0.0	4.68
07:50	0.000	0.000	0.000	0.0	4.68
07:55	0.000	0.000	0.000	0.0	4.68
08:00	0.000	0.000	0.000	0.0	4.68
08:05	0.000	0.000	0.000	0.0	4.68
08:10	0.000	0.000	0.000	0.0	4.68
08:15	0.000	0.000	0.000	0.0	4.68
08:20	0.000	0.000	0.000	0.0	4.68
08:25	0.000	0.000	0.000	0.0	4.68
08:30	0.000	0.000	0.000	0.0	4.68
08:35	0.000	0.000	0.000	0.0	4.68
08:40	0.000	0.000	0.000	0.0	4.68
08:45	0.000	0.000	0.000	0.0	4.68
08:50	0.000	0.000	0.000	0.0	4.68
08:55	0.000	0.000	0.000	0.0	4.68
09:00	0.000	0.000	0.000	0.0	4.68
09:05	0.000	0.000	0.000	0.0	4.68
09:10	0.000	0.000	0.000	0.0	4.68
09:15	0.000	0.000	0.000	0.0	4.68
09:20	0.000	0.000	0.000	0.0	4.68
09:25	0.000	0.000	0.000	0.0	4.68
09:30	0.000	0.000	0.000	0.0	4.68
09:35	0.000	0.000	0.000	0.0	4.68
09:40	0.000	0.000	0.000	0.0	4.68
09:45	0.000	0.000	0.000	0.0	4.68
09:50	0.000	0.000	0.000	0.0	4.68
09:55	0.000	0.000	0.000	0.0	4.68
10:00	0.000	0.000	0.000	0.0	4.68
10:05	0.000	0.000	0.000	0.0	4.68
10:10	0.000	0.000	0.000	0.0	4.68
10:15	0.000	0.000	0.000	0.0	4.68
10:20	0.000	0.000	0.000	0.0	4.68
10:25	0.000	0.000	0.000	0.0	4.68
10:30	0.000	0.000	0.000	0.0	4.68
10:35	0.000	0.000	0.000	0.0	4.68

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.8	0.9	0.00	0.01
00:10	0.01	0.8	1.6	0.01	0.02
00:15	0.03	0.8	1.9	0.02	0.03
00:20	0.04	0.8	2.0	0.04	0.04
00:25	0.06	0.8	2.1	0.05	0.06
00:30	0.08	0.8	2.7	0.07	0.08
00:35	0.10	0.8	2.9	0.09	0.10
00:40	0.12	0.9	3.0	0.11	0.12
00:45	0.15	0.9	3.1	0.13	0.14
00:50	0.17	0.9	3.1	0.15	0.16
00:55	0.20	0.9	3.1	0.17	0.18
01:00	0.22	0.9	3.6	0.20	0.21
01:05	0.25	0.9	3.9	0.22	0.23
01:10	0.28	0.9	3.9	0.25	0.26
01:15	0.31	0.9	4.0	0.27	0.29
01:20	0.34	0.9	4.0	0.30	0.32
01:25	0.38	0.9	4.0	0.33	0.34
01:30	0.41	0.9	4.0	0.36	0.37
01:35	0.44	0.9	4.0	0.39	0.40
01:40	0.47	0.9	4.0	0.41	0.43
01:45	0.50	0.9	4.0	0.44	0.45
01:50	0.53	0.9	4.0	0.47	0.48
01:55	0.57	0.9	4.0	0.50	0.51
02:00	0.60	0.9	4.5	0.53	0.54
02:05	0.63	0.9	4.2	0.56	0.57
02:10	0.67	0.9	4.6	0.59	0.60
02:15	0.71	0.9	4.8	0.62	0.64
02:20	0.74	0.9	4.9	0.65	0.67
02:25	0.78	0.9	4.9	0.69	0.70
02:30	0.82	0.9	4.9	0.72	0.74
02:35	0.86	0.9	4.9	0.75	0.77
02:40	0.90	0.9	4.9	0.79	0.80
02:45	0.94	0.9	5.5	0.82	0.84
02:50	0.98	0.9	5.7	0.86	0.88
02:55	1.02	0.9	5.8	0.90	0.92
03:00	1.07	0.9	5.8	0.94	0.96
03:05	1.11	0.9	5.8	0.98	1.00
03:10	1.15	0.9	6.3	1.02	1.04
03:15	1.20	0.9	6.6	1.07	1.09
03:20	1.25	0.9	6.7	1.11	1.14
03:25	1.30	0.9	7.2	1.16	1.19
03:30	1.35	0.9	8.0	1.21	1.24
03:35	1.41	0.9	8.8	1.27	1.30
03:40	1.48	1.0	9.1	1.33	1.36
03:45	1.55	1.0	9.8	1.40	1.43
03:50	1.62	1.0	10.1	1.47	1.50
03:55	1.69	1.0	10.7	1.54	1.57
04:00	1.77	1.0	11.0	1.61	1.65
04:05	1.85	1.0	11.7	1.69	1.73
04:10	1.94	1.0	12.4	1.77	1.82
04:15	2.03	1.0	13.3	1.86	1.91
04:20	2.12	1.0	14.2	1.96	2.01
04:25	2.22	1.0	15.1	2.06	2.11
04:30	2.32	1.0	15.4	2.16	2.22
04:35	2.43	1.0	16.1	2.27	2.33
04:40	2.54	1.0	16.9	2.38	2.44
04:45	2.66	1.0	17.8	2.50	2.57
04:50	2.78	1.0	18.2	2.63	2.69
04:55	2.90	1.1	18.9	2.76	2.82
05:00	3.03	1.1	19.7	2.89	2.96
05:05	3.15	1.1	22.6	3.03	3.11
05:10	3.28	1.1	26.4	3.17	3.29
05:15	3.42	1.1	29.6	3.32	3.50
05:20	3.54	1.1	32.3	3.46	3.72
05:25	3.66	1.1	36.1	3.58	3.97

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.78	1.1	42.4	3.72	4.26
05:35	3.84	1.1	26.0	3.79	4.44
05:40	3.81	1.1	13.9	3.75	4.54
05:45	3.74	1.1	7.5	3.67	4.59
05:50	3.66	1.1	5.3	3.59	4.62
05:55	3.59	1.1	3.8	3.51	4.65
06:00	3.52	1.1	2.4	3.43	4.67
06:05	3.46	1.1	0.8	3.37	4.67
06:10	3.41	1.1	0.3	3.31	4.67
06:15	3.36	1.1	0.1	3.25	4.67
06:20	3.32	1.1	0.1	3.21	4.68
06:25	3.28	1.1	0.0	3.17	4.68
06:30	3.26	1.1	0.0	3.14	4.68
06:35	3.23	1.1	0.0	3.11	4.68
06:40	3.21	1.1	0.0	3.09	4.68
06:45	3.19	1.1	0.0	3.07	4.68
06:50	3.18	1.1	0.0	3.05	4.68
06:55	3.16	1.1	0.0	3.04	4.68
07:00	3.15	1.1	0.0	3.02	4.68
07:05	3.14	1.1	0.0	3.01	4.68
07:10	3.13	1.1	0.0	3.00	4.68
07:15	3.12	1.1	0.0	2.99	4.68
07:20	3.11	1.1	0.0	2.98	4.68
07:25	3.10	1.1	0.0	2.97	4.68
07:30	3.10	1.1	0.0	2.97	4.68
07:35	3.09	1.1	0.0	2.96	4.68
07:40	3.09	1.1	0.0	2.95	4.68
07:45	3.08	1.1	0.0	2.95	4.68
07:50	3.08	1.1	0.0	2.94	4.68
07:55	3.07	1.1	0.0	2.94	4.68
08:00	3.07	1.1	0.0	2.93	4.68
08:05	3.06	1.1	0.0	2.93	4.68
08:10	3.06	1.1	0.0	2.93	4.68
08:15	3.06	1.1	0.0	2.92	4.68
08:20	3.06	1.1	0.0	2.92	4.68
08:25	3.05	1.1	0.0	2.92	4.68
08:30	3.05	1.1	0.0	2.91	4.68
08:35	3.05	1.1	0.0	2.91	4.68
08:40	3.05	1.1	0.0	2.91	4.68
08:45	3.04	1.1	0.0	2.91	4.68
08:50	3.04	1.1	0.0	2.90	4.68
08:55	3.04	1.1	0.0	2.90	4.68
09:00	3.04	1.1	0.0	2.90	4.68
09:05	3.04	1.1	0.0	2.90	4.68
09:10	3.04	1.1	0.0	2.90	4.68
09:15	3.03	1.1	0.0	2.90	4.68
09:20	3.03	1.1	0.0	2.89	4.68
09:25	3.03	1.1	0.0	2.89	4.68
09:30	3.03	1.1	0.0	2.89	4.68
09:35	3.03	1.1	0.0	2.89	4.68
09:40	3.03	1.1	0.0	2.89	4.68
09:45	3.03	1.1	0.0	2.89	4.68
09:50	3.03	1.1	0.0	2.89	4.68
09:55	3.03	1.1	0.0	2.89	4.68
10:00	3.03	1.1	0.0	2.89	4.68
10:05	3.02	1.1	0.0	2.88	4.68
10:10	3.02	1.1	0.0	2.88	4.68
10:15	3.02	1.1	0.0	2.88	4.68
10:20	3.02	1.1	0.0	2.88	4.68
10:25	3.02	1.1	0.0	2.88	4.68
10:30	3.02	1.1	0.0	2.88	4.68
10:35	3.02	1.1	0.0	2.88	4.68

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.025	0.001	0.0	0.00
01:05	0.026	0.025	0.001	0.1	0.00
01:10	0.026	0.025	0.001	0.1	0.00
01:15	0.026	0.025	0.001	0.1	0.00
01:20	0.026	0.025	0.001	0.1	0.00
01:25	0.026	0.025	0.001	0.1	0.00
01:30	0.026	0.025	0.001	0.1	0.00
01:35	0.026	0.025	0.001	0.1	0.00
01:40	0.026	0.025	0.001	0.1	0.00
01:45	0.026	0.025	0.001	0.1	0.00
01:50	0.026	0.025	0.001	0.1	0.01
01:55	0.026	0.025	0.001	0.1	0.01
02:00	0.029	0.025	0.004	0.2	0.01
02:05	0.026	0.025	0.001	0.3	0.01
02:10	0.029	0.025	0.004	0.3	0.01
02:15	0.029	0.025	0.004	0.4	0.01
02:20	0.029	0.025	0.004	0.5	0.02
02:25	0.029	0.025	0.004	0.5	0.02
02:30	0.029	0.025	0.004	0.5	0.02
02:35	0.029	0.025	0.004	0.5	0.03
02:40	0.029	0.025	0.004	0.5	0.03
02:45	0.032	0.025	0.007	0.7	0.04
02:50	0.032	0.025	0.007	0.8	0.04
02:55	0.032	0.025	0.007	0.9	0.05
03:00	0.032	0.025	0.007	0.9	0.05
03:05	0.032	0.025	0.007	0.9	0.06
03:10	0.035	0.025	0.010	1.1	0.07
03:15	0.035	0.025	0.010	1.2	0.08
03:20	0.035	0.025	0.010	1.3	0.08
03:25	0.038	0.025	0.013	1.5	0.09
03:30	0.042	0.025	0.017	1.8	0.11
03:35	0.045	0.025	0.020	2.2	0.12
03:40	0.045	0.025	0.020	2.4	0.14
03:45	0.048	0.025	0.023	2.7	0.16
03:50	0.048	0.025	0.023	2.9	0.18
03:55	0.051	0.025	0.026	3.1	0.20
04:00	0.051	0.025	0.026	3.4	0.22
04:05	0.054	0.025	0.029	3.6	0.25
04:10	0.058	0.025	0.033	3.9	0.27
04:15	0.061	0.025	0.036	4.4	0.30
04:20	0.064	0.025	0.039	4.8	0.34
04:25	0.067	0.025	0.042	5.2	0.37
04:30	0.067	0.025	0.042	5.5	0.41
04:35	0.070	0.025	0.045	5.7	0.45
04:40	0.074	0.025	0.049	6.1	0.49
04:45	0.077	0.025	0.052	6.5	0.54
04:50	0.077	0.025	0.052	6.8	0.58
04:55	0.080	0.025	0.055	7.1	0.63
05:00	0.083	0.025	0.058	7.5	0.68
05:05	0.099	0.025	0.074	8.4	0.74
05:10	0.115	0.025	0.090	10.0	0.81
05:15	0.125	0.025	0.100	11.6	0.89
05:20	0.134	0.025	0.109	13.0	0.98
05:25	0.150	0.025	0.125	14.6	1.08

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.025	0.154	17.1	1.20
05:35	0.061	0.025	0.036	14.1	1.30
05:40	0.029	0.025	0.004	7.4	1.35
05:45	0.019	0.019	0.000	3.9	1.38
05:50	0.016	0.016	0.000	2.5	1.39
05:55	0.010	0.010	0.000	1.7	1.40
06:00	0.006	0.006	0.000	1.4	1.41
06:05	0.000	0.000	0.000	1.2	1.42
06:10	0.000	0.000	0.000	0.9	1.43
06:15	0.000	0.000	0.000	0.7	1.43
06:20	0.000	0.000	0.000	0.4	1.44
06:25	0.000	0.000	0.000	0.1	1.44
06:30	0.000	0.000	0.000	0.0	1.44
06:35	0.000	0.000	0.000	0.0	1.44
06:40	0.000	0.000	0.000	0.0	1.44
06:45	0.000	0.000	0.000	0.0	1.44
06:50	0.000	0.000	0.000	0.0	1.44
06:55	0.000	0.000	0.000	0.0	1.44
07:00	0.000	0.000	0.000	0.0	1.44
07:05	0.000	0.000	0.000	0.0	1.44
07:10	0.000	0.000	0.000	0.0	1.44
07:15	0.000	0.000	0.000	0.0	1.44
07:20	0.000	0.000	0.000	0.0	1.44
07:25	0.000	0.000	0.000	0.0	1.44
07:30	0.000	0.000	0.000	0.0	1.44
07:35	0.000	0.000	0.000	0.0	1.44
07:40	0.000	0.000	0.000	0.0	1.44
07:45	0.000	0.000	0.000	0.0	1.44
07:50	0.000	0.000	0.000	0.0	1.44
07:55	0.000	0.000	0.000	0.0	1.44
08:00	0.000	0.000	0.000	0.0	1.44
08:05	0.000	0.000	0.000	0.0	1.44
08:10	0.000	0.000	0.000	0.0	1.44
08:15	0.000	0.000	0.000	0.0	1.44
08:20	0.000	0.000	0.000	0.0	1.44
08:25	0.000	0.000	0.000	0.0	1.44
08:30	0.000	0.000	0.000	0.0	1.44
08:35	0.000	0.000	0.000	0.0	1.44
08:40	0.000	0.000	0.000	0.0	1.44
08:45	0.000	0.000	0.000	0.0	1.44
08:50	0.000	0.000	0.000	0.0	1.44
08:55	0.000	0.000	0.000	0.0	1.44
09:00	0.000	0.000	0.000	0.0	1.44
09:05	0.000	0.000	0.000	0.0	1.44
09:10	0.000	0.000	0.000	0.0	1.44
09:15	0.000	0.000	0.000	0.0	1.44
09:20	0.000	0.000	0.000	0.0	1.44
09:25	0.000	0.000	0.000	0.0	1.44
09:30	0.000	0.000	0.000	0.0	1.44
09:35	0.000	0.000	0.000	0.0	1.44
09:40	0.000	0.000	0.000	0.0	1.44
09:45	0.000	0.000	0.000	0.0	1.44
09:50	0.000	0.000	0.000	0.0	1.44
09:55	0.000	0.000	0.000	0.0	1.44
10:00	0.000	0.000	0.000	0.0	1.44
10:05	0.000	0.000	0.000	0.0	1.44
10:10	0.000	0.000	0.000	0.0	1.44
10:15	0.000	0.000	0.000	0.0	1.44
10:20	0.000	0.000	0.000	0.0	1.44
10:25	0.000	0.000	0.000	0.0	1.44
10:30	0.000	0.000	0.000	0.0	1.44
10:35	0.000	0.000	0.000	0.0	1.44

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.010	0.006	0.2	0.00
00:10	0.019	0.012	0.007	0.5	0.00
00:15	0.019	0.012	0.007	0.9	0.01
00:20	0.019	0.012	0.007	1.0	0.02
00:25	0.019	0.012	0.007	1.1	0.03
00:30	0.022	0.012	0.010	1.3	0.03
00:35	0.022	0.012	0.010	1.5	0.04
00:40	0.022	0.012	0.010	1.7	0.06
00:45	0.022	0.012	0.010	1.8	0.07
00:50	0.022	0.012	0.010	1.8	0.08
00:55	0.022	0.012	0.010	1.9	0.09
01:00	0.026	0.012	0.013	2.0	0.11
01:05	0.026	0.012	0.013	2.2	0.12
01:10	0.026	0.012	0.013	2.4	0.14
01:15	0.026	0.012	0.013	2.5	0.16
01:20	0.026	0.012	0.013	2.5	0.17
01:25	0.026	0.012	0.013	2.6	0.19
01:30	0.026	0.012	0.013	2.6	0.21
01:35	0.026	0.012	0.013	2.6	0.23
01:40	0.026	0.012	0.013	2.7	0.25
01:45	0.026	0.012	0.013	2.7	0.26
01:50	0.026	0.012	0.013	2.7	0.28
01:55	0.026	0.012	0.013	2.7	0.30
02:00	0.029	0.012	0.016	2.8	0.32
02:05	0.026	0.012	0.013	2.9	0.34
02:10	0.029	0.012	0.016	2.9	0.36
02:15	0.029	0.012	0.016	3.1	0.38
02:20	0.029	0.012	0.016	3.2	0.40
02:25	0.029	0.012	0.016	3.2	0.43
02:30	0.029	0.012	0.016	3.3	0.45
02:35	0.029	0.012	0.016	3.3	0.47
02:40	0.029	0.012	0.016	3.3	0.50
02:45	0.032	0.012	0.020	3.4	0.52
02:50	0.032	0.012	0.020	3.6	0.54
02:55	0.032	0.012	0.020	3.8	0.57
03:00	0.032	0.012	0.020	3.8	0.60
03:05	0.032	0.012	0.020	3.9	0.62
03:10	0.035	0.012	0.023	4.0	0.65
03:15	0.035	0.012	0.023	4.3	0.68
03:20	0.035	0.012	0.023	4.4	0.71
03:25	0.038	0.012	0.026	4.6	0.74
03:30	0.042	0.012	0.029	4.9	0.78
03:35	0.045	0.012	0.032	5.4	0.81
03:40	0.045	0.012	0.032	5.8	0.85
03:45	0.048	0.012	0.036	6.2	0.90
03:50	0.048	0.012	0.036	6.5	0.94
03:55	0.051	0.012	0.039	6.9	0.99
04:00	0.051	0.012	0.039	7.2	1.04
04:05	0.054	0.012	0.042	7.5	1.09
04:10	0.058	0.012	0.045	8.0	1.14
04:15	0.061	0.012	0.048	8.5	1.20
04:20	0.064	0.012	0.052	9.0	1.27
04:25	0.067	0.012	0.055	9.6	1.33
04:30	0.067	0.012	0.055	10.2	1.40
04:35	0.070	0.012	0.058	10.6	1.47
04:40	0.074	0.012	0.061	11.1	1.55
04:45	0.077	0.012	0.064	11.7	1.63
04:50	0.077	0.012	0.064	12.2	1.71
04:55	0.080	0.012	0.068	12.6	1.80
05:00	0.083	0.012	0.071	13.1	1.89
05:05	0.099	0.012	0.087	14.0	1.99
05:10	0.115	0.012	0.103	15.8	2.10
05:15	0.125	0.012	0.112	17.9	2.22
05:20	0.134	0.012	0.122	20.0	2.36
05:25	0.150	0.012	0.138	22.1	2.51

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.012	0.167	25.0	2.68
05:35	0.061	0.012	0.048	24.4	2.85
05:40	0.029	0.012	0.016	18.2	2.98
05:45	0.019	0.012	0.007	12.0	3.06
05:50	0.016	0.010	0.006	8.4	3.12
05:55	0.010	0.006	0.003	6.1	3.16
06:00	0.006	0.004	0.002	4.8	3.19
06:05	0.000	0.000	0.000	3.5	3.21
06:10	0.000	0.000	0.000	2.6	3.23
06:15	0.000	0.000	0.000	2.2	3.25
06:20	0.000	0.000	0.000	2.0	3.26
06:25	0.000	0.000	0.000	1.8	3.27
06:30	0.000	0.000	0.000	1.6	3.29
06:35	0.000	0.000	0.000	1.4	3.29
06:40	0.000	0.000	0.000	1.2	3.30
06:45	0.000	0.000	0.000	0.9	3.31
06:50	0.000	0.000	0.000	0.7	3.31
06:55	0.000	0.000	0.000	0.4	3.32
07:00	0.000	0.000	0.000	0.1	3.32
07:05	0.000	0.000	0.000	0.1	3.32
07:10	0.000	0.000	0.000	0.0	3.32
07:15	0.000	0.000	0.000	0.0	3.32
07:20	0.000	0.000	0.000	0.0	3.32
07:25	0.000	0.000	0.000	0.0	3.32
07:30	0.000	0.000	0.000	0.0	3.32
07:35	0.000	0.000	0.000	0.0	3.32
07:40	0.000	0.000	0.000	0.0	3.32
07:45	0.000	0.000	0.000	0.0	3.32
07:50	0.000	0.000	0.000	0.0	3.32
07:55	0.000	0.000	0.000	0.0	3.32
08:00	0.000	0.000	0.000	0.0	3.32
08:05	0.000	0.000	0.000	0.0	3.32
08:10	0.000	0.000	0.000	0.0	3.32
08:15	0.000	0.000	0.000	0.0	3.32
08:20	0.000	0.000	0.000	0.0	3.32
08:25	0.000	0.000	0.000	0.0	3.32
08:30	0.000	0.000	0.000	0.0	3.32
08:35	0.000	0.000	0.000	0.0	3.32
08:40	0.000	0.000	0.000	0.0	3.32
08:45	0.000	0.000	0.000	0.0	3.32
08:50	0.000	0.000	0.000	0.0	3.32
08:55	0.000	0.000	0.000	0.0	3.32
09:00	0.000	0.000	0.000	0.0	3.32
09:05	0.000	0.000	0.000	0.0	3.32
09:10	0.000	0.000	0.000	0.0	3.32
09:15	0.000	0.000	0.000	0.0	3.32
09:20	0.000	0.000	0.000	0.0	3.32
09:25	0.000	0.000	0.000	0.0	3.32
09:30	0.000	0.000	0.000	0.0	3.32
09:35	0.000	0.000	0.000	0.0	3.32
09:40	0.000	0.000	0.000	0.0	3.32
09:45	0.000	0.000	0.000	0.0	3.32
09:50	0.000	0.000	0.000	0.0	3.32
09:55	0.000	0.000	0.000	0.0	3.32
10:00	0.000	0.000	0.000	0.0	3.32
10:05	0.000	0.000	0.000	0.0	3.32
10:10	0.000	0.000	0.000	0.0	3.32
10:15	0.000	0.000	0.000	0.0	3.32
10:20	0.000	0.000	0.000	0.0	3.32
10:25	0.000	0.000	0.000	0.0	3.32
10:30	0.000	0.000	0.000	0.0	3.32
10:35	0.000	0.000	0.000	0.0	3.32

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.6	0.2	0.00	0.00
00:10	0.01	0.6	0.5	0.00	0.00
00:15	0.01	0.6	0.9	0.01	0.01
00:20	0.02	0.6	1.0	0.01	0.02
00:25	0.04	0.6	1.1	0.02	0.03
00:30	0.05	0.6	1.3	0.03	0.03
00:35	0.06	0.6	1.5	0.04	0.04
00:40	0.08	0.6	1.7	0.05	0.06
00:45	0.10	0.6	1.8	0.06	0.07
00:50	0.12	0.6	1.8	0.07	0.08
00:55	0.14	0.6	1.9	0.09	0.09
01:00	0.17	0.6	2.0	0.10	0.11
01:05	0.19	0.6	2.2	0.12	0.12
01:10	0.22	0.6	2.4	0.13	0.14
01:15	0.24	0.6	2.5	0.15	0.16
01:20	0.27	0.6	2.5	0.17	0.17
01:25	0.30	0.6	2.6	0.18	0.19
01:30	0.33	0.6	2.6	0.20	0.21
01:35	0.36	0.6	2.6	0.22	0.23
01:40	0.39	0.6	2.7	0.24	0.25
01:45	0.42	0.6	2.7	0.26	0.26
01:50	0.45	0.6	2.7	0.27	0.28
01:55	0.48	0.6	2.7	0.29	0.30
02:00	0.51	0.6	2.8	0.31	0.32
02:05	0.54	0.6	2.9	0.33	0.34
02:10	0.58	0.6	2.9	0.35	0.36
02:15	0.61	0.6	3.1	0.37	0.38
02:20	0.65	0.6	3.2	0.39	0.40
02:25	0.68	0.6	3.2	0.42	0.43
02:30	0.72	0.6	3.3	0.44	0.45
02:35	0.76	0.6	3.3	0.46	0.47
02:40	0.79	0.6	3.3	0.48	0.50
02:45	0.83	0.6	3.4	0.51	0.52
02:50	0.87	0.6	3.6	0.53	0.54
02:55	0.91	0.6	3.8	0.56	0.57
03:00	0.96	0.6	3.8	0.58	0.60
03:05	1.00	0.6	3.9	0.61	0.62
03:10	1.04	0.6	4.0	0.64	0.65
03:15	1.08	0.6	4.3	0.67	0.68
03:20	1.13	0.6	4.4	0.70	0.71
03:25	1.17	0.7	4.6	0.73	0.74
03:30	1.22	0.7	4.9	0.76	0.78
03:35	1.28	0.7	5.4	0.79	0.81
03:40	1.33	0.7	5.8	0.83	0.85
03:45	1.39	0.7	6.2	0.87	0.90
03:50	1.46	0.7	6.5	0.92	0.94
03:55	1.53	0.7	6.9	0.96	0.99
04:00	1.60	0.7	7.2	1.01	1.04
04:05	1.68	0.7	7.5	1.06	1.09
04:10	1.76	0.7	8.0	1.12	1.14
04:15	1.84	0.7	8.5	1.17	1.20
04:20	1.93	0.7	9.0	1.23	1.27
04:25	2.02	0.7	9.6	1.30	1.33
04:30	2.12	0.7	10.2	1.37	1.40
04:35	2.21	0.7	10.6	1.44	1.47
04:40	2.31	0.7	11.1	1.51	1.55
04:45	2.42	0.7	11.7	1.59	1.63
04:50	2.53	0.7	12.2	1.67	1.71
04:55	2.65	0.7	12.6	1.76	1.80
05:00	2.77	0.8	13.1	1.85	1.89
05:05	2.89	0.8	14.0	1.94	1.99
05:10	3.03	0.8	15.8	2.04	2.10
05:15	3.17	0.8	17.9	2.15	2.22
05:20	3.31	0.8	20.0	2.26	2.36
05:25	3.44	0.8	22.1	2.37	2.51

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.57	0.8	25.0	2.47	2.68
05:35	3.68	0.8	24.4	2.56	2.85
05:40	3.74	0.8	18.2	2.61	2.98
05:45	3.74	0.8	12.0	2.61	3.06
05:50	3.70	0.8	8.4	2.58	3.12
05:55	3.65	0.8	6.1	2.54	3.16
06:00	3.59	0.8	4.8	2.49	3.19
06:05	3.54	0.8	3.5	2.45	3.21
06:10	3.49	0.8	2.6	2.41	3.23
06:15	3.45	0.8	2.2	2.38	3.25
06:20	3.41	0.8	2.0	2.34	3.26
06:25	3.37	0.8	1.8	2.32	3.27
06:30	3.34	0.8	1.6	2.29	3.29
06:35	3.32	0.8	1.4	2.27	3.29
06:40	3.29	0.8	1.2	2.25	3.30
06:45	3.27	0.8	0.9	2.24	3.31
06:50	3.25	0.8	0.7	2.22	3.31
06:55	3.23	0.8	0.4	2.20	3.32
07:00	3.21	0.8	0.1	2.19	3.32
07:05	3.19	0.8	0.1	2.17	3.32
07:10	3.18	0.8	0.0	2.16	3.32
07:15	3.16	0.8	0.0	2.15	3.32
07:20	3.15	0.8	0.0	2.14	3.32
07:25	3.14	0.8	0.0	2.13	3.32
07:30	3.13	0.8	0.0	2.12	3.32
07:35	3.12	0.8	0.0	2.11	3.32
07:40	3.11	0.8	0.0	2.11	3.32
07:45	3.10	0.8	0.0	2.10	3.32
07:50	3.10	0.8	0.0	2.10	3.32
07:55	3.09	0.8	0.0	2.09	3.32
08:00	3.09	0.8	0.0	2.09	3.32
08:05	3.08	0.8	0.0	2.08	3.32
08:10	3.08	0.8	0.0	2.08	3.32
08:15	3.07	0.8	0.0	2.08	3.32
08:20	3.07	0.8	0.0	2.07	3.32
08:25	3.07	0.8	0.0	2.07	3.32
08:30	3.06	0.8	0.0	2.07	3.32
08:35	3.06	0.8	0.0	2.06	3.32
08:40	3.06	0.8	0.0	2.06	3.32
08:45	3.05	0.8	0.0	2.06	3.32
08:50	3.05	0.8	0.0	2.06	3.32
08:55	3.05	0.8	0.0	2.06	3.32
09:00	3.05	0.8	0.0	2.05	3.32
09:05	3.04	0.8	0.0	2.05	3.32
09:10	3.04	0.8	0.0	2.05	3.32
09:15	3.04	0.8	0.0	2.05	3.32
09:20	3.04	0.8	0.0	2.05	3.32
09:25	3.04	0.8	0.0	2.05	3.32
09:30	3.04	0.8	0.0	2.05	3.32
09:35	3.03	0.8	0.0	2.04	3.32
09:40	3.03	0.8	0.0	2.04	3.32
09:45	3.03	0.8	0.0	2.04	3.32
09:50	3.03	0.8	0.0	2.04	3.32
09:55	3.03	0.8	0.0	2.04	3.32
10:00	3.03	0.8	0.0	2.04	3.32
10:05	3.03	0.8	0.0	2.04	3.32
10:10	3.03	0.8	0.0	2.04	3.32
10:15	3.03	0.8	0.0	2.04	3.32
10:20	3.03	0.8	0.0	2.04	3.32
10:25	3.02	0.8	0.0	2.04	3.32
10:30	3.02	0.8	0.0	2.04	3.32
10:35	3.02	0.8	0.0	2.04	3.32

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.031	0.001	0.0	0.00
02:50	0.032	0.031	0.001	0.1	0.00
02:55	0.032	0.031	0.001	0.1	0.00
03:00	0.032	0.031	0.001	0.1	0.00
03:05	0.032	0.031	0.001	0.1	0.00
03:10	0.035	0.031	0.004	0.2	0.00
03:15	0.035	0.031	0.004	0.3	0.01
03:20	0.035	0.031	0.004	0.3	0.01
03:25	0.038	0.031	0.008	0.4	0.01
03:30	0.042	0.031	0.011	0.6	0.01
03:35	0.045	0.031	0.014	0.8	0.02
03:40	0.045	0.031	0.014	0.9	0.03
03:45	0.048	0.031	0.017	1.1	0.03
03:50	0.048	0.031	0.017	1.1	0.04
03:55	0.051	0.031	0.020	1.3	0.05
04:00	0.051	0.031	0.020	1.4	0.06
04:05	0.054	0.031	0.024	1.5	0.07
04:10	0.058	0.031	0.027	1.7	0.08
04:15	0.061	0.031	0.030	2.0	0.10
04:20	0.064	0.031	0.033	2.2	0.11
04:25	0.067	0.031	0.036	2.4	0.13
04:30	0.067	0.031	0.036	2.5	0.14
04:35	0.070	0.031	0.040	2.7	0.16
04:40	0.074	0.031	0.043	2.9	0.18
04:45	0.077	0.031	0.046	3.1	0.20
04:50	0.077	0.031	0.046	3.2	0.23
04:55	0.080	0.031	0.049	3.4	0.25
05:00	0.083	0.031	0.052	3.6	0.27
05:05	0.099	0.031	0.068	4.2	0.30
05:10	0.115	0.031	0.084	5.2	0.34
05:15	0.125	0.031	0.094	6.0	0.38
05:20	0.134	0.031	0.104	6.7	0.43
05:25	0.150	0.031	0.120	7.6	0.48

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.031	0.148	9.1	0.54
05:35	0.061	0.031	0.030	5.8	0.58
05:40	0.029	0.029	0.000	2.7	0.60
05:45	0.019	0.019	0.000	1.4	0.61
05:50	0.016	0.016	0.000	0.9	0.62
05:55	0.010	0.010	0.000	0.7	0.62
06:00	0.006	0.006	0.000	0.5	0.62
06:05	0.000	0.000	0.000	0.3	0.63
06:10	0.000	0.000	0.000	0.1	0.63
06:15	0.000	0.000	0.000	0.0	0.63
06:20	0.000	0.000	0.000	0.0	0.63
06:25	0.000	0.000	0.000	0.0	0.63
06:30	0.000	0.000	0.000	0.0	0.63
06:35	0.000	0.000	0.000	0.0	0.63
06:40	0.000	0.000	0.000	0.0	0.63
06:45	0.000	0.000	0.000	0.0	0.63
06:50	0.000	0.000	0.000	0.0	0.63
06:55	0.000	0.000	0.000	0.0	0.63
07:00	0.000	0.000	0.000	0.0	0.63
07:05	0.000	0.000	0.000	0.0	0.63
07:10	0.000	0.000	0.000	0.0	0.63
07:15	0.000	0.000	0.000	0.0	0.63
07:20	0.000	0.000	0.000	0.0	0.63
07:25	0.000	0.000	0.000	0.0	0.63
07:30	0.000	0.000	0.000	0.0	0.63
07:35	0.000	0.000	0.000	0.0	0.63
07:40	0.000	0.000	0.000	0.0	0.63
07:45	0.000	0.000	0.000	0.0	0.63
07:50	0.000	0.000	0.000	0.0	0.63
07:55	0.000	0.000	0.000	0.0	0.63
08:00	0.000	0.000	0.000	0.0	0.63
08:05	0.000	0.000	0.000	0.0	0.63
08:10	0.000	0.000	0.000	0.0	0.63
08:15	0.000	0.000	0.000	0.0	0.63
08:20	0.000	0.000	0.000	0.0	0.63
08:25	0.000	0.000	0.000	0.0	0.63
08:30	0.000	0.000	0.000	0.0	0.63
08:35	0.000	0.000	0.000	0.0	0.63
08:40	0.000	0.000	0.000	0.0	0.63
08:45	0.000	0.000	0.000	0.0	0.63
08:50	0.000	0.000	0.000	0.0	0.63
08:55	0.000	0.000	0.000	0.0	0.63
09:00	0.000	0.000	0.000	0.0	0.63
09:05	0.000	0.000	0.000	0.0	0.63
09:10	0.000	0.000	0.000	0.0	0.63
09:15	0.000	0.000	0.000	0.0	0.63
09:20	0.000	0.000	0.000	0.0	0.63
09:25	0.000	0.000	0.000	0.0	0.63
09:30	0.000	0.000	0.000	0.0	0.63
09:35	0.000	0.000	0.000	0.0	0.63
09:40	0.000	0.000	0.000	0.0	0.63
09:45	0.000	0.000	0.000	0.0	0.63
09:50	0.000	0.000	0.000	0.0	0.63
09:55	0.000	0.000	0.000	0.0	0.63
10:00	0.000	0.000	0.000	0.0	0.63
10:05	0.000	0.000	0.000	0.0	0.63
10:10	0.000	0.000	0.000	0.0	0.63
10:15	0.000	0.000	0.000	0.0	0.63
10:20	0.000	0.000	0.000	0.0	0.63
10:25	0.000	0.000	0.000	0.0	0.63
10:30	0.000	0.000	0.000	0.0	0.63
10:35	0.000	0.000	0.000	0.0	0.63

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.1	0.0	0.00	0.00
00:10	0.00	0.1	0.0	0.00	0.00
00:15	0.00	0.1	0.0	0.00	0.00
00:20	0.00	0.1	0.0	0.00	0.00
00:25	0.00	0.1	0.0	0.00	0.00
00:30	0.00	0.1	0.0	0.00	0.00
00:35	0.00	0.1	0.0	0.00	0.00
00:40	0.00	0.1	0.0	0.00	0.00
00:45	0.00	0.1	0.0	0.00	0.00
00:50	0.00	0.1	0.0	0.00	0.00
00:55	0.00	0.1	0.0	0.00	0.00
01:00	0.00	0.1	0.0	0.00	0.00
01:05	0.00	0.1	0.0	0.00	0.00
01:10	0.00	0.1	0.0	0.00	0.00
01:15	0.00	0.1	0.0	0.00	0.00
01:20	0.00	0.1	0.0	0.00	0.00
01:25	0.00	0.1	0.0	0.00	0.00
01:30	0.00	0.1	0.0	0.00	0.00
01:35	0.00	0.1	0.0	0.00	0.00
01:40	0.00	0.1	0.0	0.00	0.00
01:45	0.00	0.1	0.0	0.00	0.00
01:50	0.00	0.1	0.0	0.00	0.00
01:55	0.00	0.1	0.0	0.00	0.00
02:00	0.00	0.1	0.0	0.00	0.00
02:05	0.00	0.1	0.0	0.00	0.00
02:10	0.00	0.1	0.0	0.00	0.00
02:15	0.00	0.1	0.0	0.00	0.00
02:20	0.00	0.1	0.0	0.00	0.00
02:25	0.00	0.1	0.0	0.00	0.00
02:30	0.00	0.1	0.0	0.00	0.00
02:35	0.00	0.1	0.0	0.00	0.00
02:40	0.00	0.1	0.0	0.00	0.00
02:45	0.00	0.1	0.0	0.00	0.00
02:50	0.00	0.1	0.1	0.00	0.00
02:55	0.01	0.1	0.1	0.00	0.00
03:00	0.01	0.1	0.1	0.00	0.00
03:05	0.01	0.1	0.1	0.00	0.00
03:10	0.02	0.1	0.2	0.00	0.00
03:15	0.03	0.1	0.3	0.00	0.01
03:20	0.05	0.1	0.3	0.01	0.01
03:25	0.06	0.1	0.4	0.01	0.01
03:30	0.09	0.1	0.6	0.01	0.01
03:35	0.12	0.1	0.8	0.02	0.02
03:40	0.16	0.1	0.9	0.02	0.03
03:45	0.21	0.1	1.1	0.03	0.03
03:50	0.27	0.1	1.1	0.04	0.04
03:55	0.33	0.1	1.3	0.05	0.05
04:00	0.40	0.1	1.4	0.05	0.06
04:05	0.47	0.1	1.5	0.06	0.07
04:10	0.55	0.1	1.7	0.08	0.08
04:15	0.64	0.1	2.0	0.09	0.10
04:20	0.74	0.1	2.2	0.10	0.11
04:25	0.86	0.1	2.4	0.12	0.13
04:30	0.98	0.2	2.5	0.14	0.14
04:35	1.09	0.2	2.7	0.15	0.16
04:40	1.20	0.2	2.9	0.17	0.18
04:45	1.32	0.2	3.1	0.19	0.20
04:50	1.45	0.2	3.2	0.22	0.23
04:55	1.59	0.2	3.4	0.24	0.25
05:00	1.73	0.2	3.6	0.26	0.27
05:05	1.89	0.2	4.2	0.29	0.30
05:10	2.07	0.2	5.2	0.32	0.34
05:15	2.26	0.2	6.0	0.36	0.38
05:20	2.48	0.2	6.7	0.40	0.43
05:25	2.72	0.2	7.6	0.45	0.48

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.01	0.2	9.1	0.51	0.54
05:35	3.22	0.2	5.8	0.56	0.58
05:40	3.31	0.2	2.7	0.58	0.60
05:45	3.34	0.2	1.4	0.59	0.61
05:50	3.34	0.2	0.9	0.59	0.62
05:55	3.33	0.2	0.7	0.59	0.62
06:00	3.31	0.2	0.5	0.58	0.62
06:05	3.29	0.2	0.3	0.58	0.63
06:10	3.27	0.2	0.1	0.57	0.63
06:15	3.25	0.2	0.0	0.57	0.63
06:20	3.23	0.2	0.0	0.56	0.63
06:25	3.21	0.2	0.0	0.56	0.63
06:30	3.20	0.2	0.0	0.56	0.63
06:35	3.18	0.2	0.0	0.55	0.63
06:40	3.17	0.2	0.0	0.55	0.63
06:45	3.16	0.2	0.0	0.55	0.63
06:50	3.15	0.2	0.0	0.54	0.63
06:55	3.14	0.2	0.0	0.54	0.63
07:00	3.13	0.2	0.0	0.54	0.63
07:05	3.12	0.2	0.0	0.54	0.63
07:10	3.12	0.2	0.0	0.54	0.63
07:15	3.11	0.2	0.0	0.54	0.63
07:20	3.10	0.2	0.0	0.53	0.63
07:25	3.10	0.2	0.0	0.53	0.63
07:30	3.09	0.2	0.0	0.53	0.63
07:35	3.09	0.2	0.0	0.53	0.63
07:40	3.08	0.2	0.0	0.53	0.63
07:45	3.08	0.2	0.0	0.53	0.63
07:50	3.08	0.2	0.0	0.53	0.63
07:55	3.07	0.2	0.0	0.53	0.63
08:00	3.07	0.2	0.0	0.53	0.63
08:05	3.07	0.2	0.0	0.52	0.63
08:10	3.06	0.2	0.0	0.52	0.63
08:15	3.06	0.2	0.0	0.52	0.63
08:20	3.06	0.2	0.0	0.52	0.63
08:25	3.06	0.2	0.0	0.52	0.63
08:30	3.05	0.2	0.0	0.52	0.63
08:35	3.05	0.2	0.0	0.52	0.63
08:40	3.05	0.2	0.0	0.52	0.63
08:45	3.05	0.2	0.0	0.52	0.63
08:50	3.05	0.2	0.0	0.52	0.63
08:55	3.04	0.2	0.0	0.52	0.63
09:00	3.04	0.2	0.0	0.52	0.63
09:05	3.04	0.2	0.0	0.52	0.63
09:10	3.04	0.2	0.0	0.52	0.63
09:15	3.04	0.2	0.0	0.52	0.63
09:20	3.04	0.2	0.0	0.52	0.63
09:25	3.04	0.2	0.0	0.52	0.63
09:30	3.03	0.2	0.0	0.52	0.63
09:35	3.03	0.2	0.0	0.52	0.63
09:40	3.03	0.2	0.0	0.52	0.63
09:45	3.03	0.2	0.0	0.52	0.63
09:50	3.03	0.2	0.0	0.52	0.63
09:55	3.03	0.2	0.0	0.52	0.63
10:00	3.03	0.2	0.0	0.52	0.63
10:05	3.03	0.2	0.0	0.52	0.63
10:10	3.03	0.2	0.0	0.52	0.63
10:15	3.03	0.2	0.0	0.52	0.63
10:20	3.03	0.2	0.0	0.52	0.63
10:25	3.02	0.2	0.0	0.52	0.63
10:30	3.02	0.2	0.0	0.52	0.63
10:35	3.02	0.2	0.0	0.51	0.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.009	0.007	1.4	0.01
00:10	0.019	0.009	0.010	2.1	0.02
00:15	0.019	0.009	0.010	2.3	0.04
00:20	0.019	0.009	0.010	2.4	0.06
00:25	0.019	0.009	0.010	2.4	0.07
00:30	0.022	0.009	0.013	3.0	0.09
00:35	0.022	0.009	0.013	3.1	0.12
00:40	0.022	0.009	0.013	3.2	0.14
00:45	0.022	0.009	0.013	3.2	0.16
00:50	0.022	0.009	0.013	3.2	0.18
00:55	0.022	0.009	0.013	3.2	0.20
01:00	0.026	0.009	0.016	3.8	0.23
01:05	0.026	0.009	0.016	3.9	0.26
01:10	0.026	0.009	0.016	3.9	0.28
01:15	0.026	0.009	0.016	4.0	0.31
01:20	0.026	0.009	0.016	4.0	0.34
01:25	0.026	0.009	0.016	4.0	0.37
01:30	0.026	0.009	0.016	4.0	0.39
01:35	0.026	0.009	0.016	4.0	0.42
01:40	0.026	0.009	0.016	4.0	0.45
01:45	0.026	0.009	0.016	4.0	0.47
01:50	0.026	0.009	0.016	4.0	0.50
01:55	0.026	0.009	0.016	4.0	0.53
02:00	0.029	0.009	0.020	4.6	0.56
02:05	0.026	0.009	0.016	4.1	0.59
02:10	0.029	0.009	0.020	4.6	0.62
02:15	0.029	0.009	0.020	4.7	0.65
02:20	0.029	0.009	0.020	4.7	0.69
02:25	0.029	0.009	0.020	4.7	0.72
02:30	0.029	0.009	0.020	4.7	0.75
02:35	0.029	0.009	0.020	4.7	0.78
02:40	0.029	0.009	0.020	4.7	0.82
02:45	0.032	0.009	0.023	5.3	0.85
02:50	0.032	0.009	0.023	5.5	0.89
02:55	0.032	0.009	0.023	5.5	0.93
03:00	0.032	0.009	0.023	5.5	0.97
03:05	0.032	0.009	0.023	5.5	1.00
03:10	0.035	0.009	0.026	6.1	1.05
03:15	0.035	0.009	0.026	6.2	1.09
03:20	0.035	0.009	0.026	6.3	1.13
03:25	0.038	0.009	0.029	6.9	1.18
03:30	0.042	0.009	0.032	7.6	1.23
03:35	0.045	0.009	0.036	8.3	1.29
03:40	0.045	0.009	0.036	8.5	1.35
03:45	0.048	0.009	0.039	9.2	1.41
03:50	0.048	0.009	0.039	9.3	1.48
03:55	0.051	0.009	0.042	10.0	1.54
04:00	0.051	0.009	0.042	10.1	1.61
04:05	0.054	0.009	0.045	10.7	1.69
04:10	0.058	0.009	0.048	11.5	1.77
04:15	0.061	0.009	0.052	12.2	1.85
04:20	0.064	0.009	0.055	13.0	1.94
04:25	0.067	0.009	0.058	13.8	2.03
04:30	0.067	0.009	0.058	13.9	2.13
04:35	0.070	0.009	0.061	14.6	2.23
04:40	0.074	0.009	0.064	15.3	2.34
04:45	0.077	0.009	0.068	16.1	2.45
04:50	0.077	0.009	0.068	16.2	2.56
04:55	0.080	0.009	0.071	16.9	2.68
05:00	0.083	0.009	0.074	17.7	2.80
05:05	0.099	0.009	0.090	20.8	2.94
05:10	0.115	0.009	0.106	24.4	3.11
05:15	0.125	0.009	0.116	26.9	3.29
05:20	0.134	0.009	0.125	29.4	3.50
05:25	0.150	0.009	0.141	33.0	3.72

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.009	0.170	39.1	3.99
05:35	0.061	0.009	0.052	18.0	4.12
05:40	0.029	0.009	0.020	8.6	4.18
05:45	0.019	0.009	0.010	4.8	4.21
05:50	0.016	0.009	0.007	2.4	4.23
05:55	0.010	0.005	0.004	1.4	4.24
06:00	0.006	0.004	0.003	0.9	4.24
06:05	0.000	0.000	0.000	0.2	4.24
06:10	0.000	0.000	0.000	0.1	4.24
06:15	0.000	0.000	0.000	0.0	4.24
06:20	0.000	0.000	0.000	0.0	4.24
06:25	0.000	0.000	0.000	0.0	4.24
06:30	0.000	0.000	0.000	0.0	4.24
06:35	0.000	0.000	0.000	0.0	4.24
06:40	0.000	0.000	0.000	0.0	4.24
06:45	0.000	0.000	0.000	0.0	4.24
06:50	0.000	0.000	0.000	0.0	4.24
06:55	0.000	0.000	0.000	0.0	4.24
07:00	0.000	0.000	0.000	0.0	4.24
07:05	0.000	0.000	0.000	0.0	4.24
07:10	0.000	0.000	0.000	0.0	4.24
07:15	0.000	0.000	0.000	0.0	4.24
07:20	0.000	0.000	0.000	0.0	4.24
07:25	0.000	0.000	0.000	0.0	4.24
07:30	0.000	0.000	0.000	0.0	4.24
07:35	0.000	0.000	0.000	0.0	4.24
07:40	0.000	0.000	0.000	0.0	4.24
07:45	0.000	0.000	0.000	0.0	4.24
07:50	0.000	0.000	0.000	0.0	4.24
07:55	0.000	0.000	0.000	0.0	4.24
08:00	0.000	0.000	0.000	0.0	4.24
08:05	0.000	0.000	0.000	0.0	4.24
08:10	0.000	0.000	0.000	0.0	4.24
08:15	0.000	0.000	0.000	0.0	4.24
08:20	0.000	0.000	0.000	0.0	4.24
08:25	0.000	0.000	0.000	0.0	4.24
08:30	0.000	0.000	0.000	0.0	4.24
08:35	0.000	0.000	0.000	0.0	4.24
08:40	0.000	0.000	0.000	0.0	4.24
08:45	0.000	0.000	0.000	0.0	4.24
08:50	0.000	0.000	0.000	0.0	4.24
08:55	0.000	0.000	0.000	0.0	4.24
09:00	0.000	0.000	0.000	0.0	4.24
09:05	0.000	0.000	0.000	0.0	4.24
09:10	0.000	0.000	0.000	0.0	4.24
09:15	0.000	0.000	0.000	0.0	4.24
09:20	0.000	0.000	0.000	0.0	4.24
09:25	0.000	0.000	0.000	0.0	4.24
09:30	0.000	0.000	0.000	0.0	4.24
09:35	0.000	0.000	0.000	0.0	4.24
09:40	0.000	0.000	0.000	0.0	4.24
09:45	0.000	0.000	0.000	0.0	4.24
09:50	0.000	0.000	0.000	0.0	4.24
09:55	0.000	0.000	0.000	0.0	4.24
10:00	0.000	0.000	0.000	0.0	4.24
10:05	0.000	0.000	0.000	0.0	4.24
10:10	0.000	0.000	0.000	0.0	4.24
10:15	0.000	0.000	0.000	0.0	4.24
10:20	0.000	0.000	0.000	0.0	4.24
10:25	0.000	0.000	0.000	0.0	4.24
10:30	0.000	0.000	0.000	0.0	4.24
10:35	0.000	0.000	0.000	0.0	4.24

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.7	1.4	0.00	0.01
00:10	0.02	0.7	2.1	0.02	0.02
00:15	0.04	0.7	2.3	0.03	0.04
00:20	0.06	0.7	2.4	0.05	0.06
00:25	0.09	0.7	2.4	0.06	0.07
00:30	0.11	0.7	3.0	0.08	0.09
00:35	0.14	0.7	3.1	0.10	0.12
00:40	0.17	0.7	3.2	0.13	0.14
00:45	0.20	0.7	3.2	0.15	0.16
00:50	0.22	0.7	3.2	0.17	0.18
00:55	0.25	0.7	3.2	0.19	0.20
01:00	0.28	0.7	3.8	0.22	0.23
01:05	0.32	0.7	3.9	0.24	0.26
01:10	0.36	0.7	3.9	0.27	0.28
01:15	0.39	0.8	4.0	0.30	0.31
01:20	0.43	0.8	4.0	0.32	0.34
01:25	0.46	0.8	4.0	0.35	0.37
01:30	0.50	0.8	4.0	0.38	0.39
01:35	0.54	0.8	4.0	0.41	0.42
01:40	0.57	0.8	4.0	0.43	0.45
01:45	0.61	0.8	4.0	0.46	0.47
01:50	0.64	0.8	4.0	0.49	0.50
01:55	0.68	0.8	4.0	0.52	0.53
02:00	0.72	0.8	4.6	0.55	0.56
02:05	0.76	0.8	4.1	0.58	0.59
02:10	0.80	0.8	4.6	0.60	0.62
02:15	0.84	0.8	4.7	0.64	0.65
02:20	0.88	0.8	4.7	0.67	0.69
02:25	0.92	0.8	4.7	0.70	0.72
02:30	0.97	0.8	4.7	0.73	0.75
02:35	1.01	0.8	4.7	0.77	0.78
02:40	1.05	0.8	4.7	0.80	0.82
02:45	1.09	0.8	5.3	0.83	0.85
02:50	1.14	0.8	5.5	0.87	0.89
02:55	1.18	0.8	5.5	0.91	0.93
03:00	1.23	0.8	5.5	0.95	0.97
03:05	1.27	0.8	5.5	0.99	1.00
03:10	1.32	0.8	6.1	1.03	1.05
03:15	1.37	0.8	6.2	1.07	1.09
03:20	1.43	0.8	6.3	1.11	1.13
03:25	1.48	0.8	6.9	1.16	1.18
03:30	1.54	0.8	7.6	1.21	1.23
03:35	1.61	0.8	8.3	1.26	1.29
03:40	1.68	0.8	8.5	1.32	1.35
03:45	1.75	0.8	9.2	1.38	1.41
03:50	1.83	0.9	9.3	1.44	1.48
03:55	1.91	0.9	10.0	1.51	1.54
04:00	1.99	0.9	10.1	1.58	1.61
04:05	2.07	0.9	10.7	1.65	1.69
04:10	2.16	0.9	11.5	1.73	1.77
04:15	2.25	0.9	12.2	1.81	1.85
04:20	2.34	0.9	13.0	1.90	1.94
04:25	2.45	0.9	13.8	1.99	2.03
04:30	2.55	0.9	13.9	2.08	2.13
04:35	2.66	0.9	14.6	2.18	2.23
04:40	2.78	0.9	15.3	2.28	2.34
04:45	2.90	0.9	16.1	2.39	2.45
04:50	3.02	0.9	16.2	2.50	2.56
04:55	3.13	0.9	16.9	2.61	2.68
05:00	3.23	1.0	17.7	2.71	2.80
05:05	3.33	1.0	20.8	2.81	2.94
05:10	3.44	1.0	24.4	2.91	3.11
05:15	3.54	1.0	26.9	3.01	3.29
05:20	3.63	1.0	29.4	3.10	3.50
05:25	3.72	1.0	33.0	3.19	3.72

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.82	1.0	39.1	3.28	3.99
05:35	3.84	1.0	18.0	3.31	4.12
05:40	3.77	1.0	8.6	3.23	4.18
05:45	3.67	1.0	4.8	3.14	4.21
05:50	3.58	1.0	2.4	3.05	4.23
05:55	3.50	1.0	1.4	2.98	4.24
06:00	3.44	1.0	0.9	2.91	4.24
06:05	3.38	1.0	0.2	2.85	4.24
06:10	3.33	1.0	0.1	2.81	4.24
06:15	3.29	1.0	0.0	2.77	4.24
06:20	3.26	1.0	0.0	2.74	4.24
06:25	3.23	1.0	0.0	2.71	4.24
06:30	3.21	1.0	0.0	2.69	4.24
06:35	3.19	0.9	0.0	2.67	4.24
06:40	3.17	0.9	0.0	2.65	4.24
06:45	3.15	0.9	0.0	2.63	4.24
06:50	3.14	0.9	0.0	2.62	4.24
06:55	3.13	0.9	0.0	2.61	4.24
07:00	3.12	0.9	0.0	2.60	4.24
07:05	3.11	0.9	0.0	2.59	4.24
07:10	3.10	0.9	0.0	2.58	4.24
07:15	3.09	0.9	0.0	2.58	4.24
07:20	3.09	0.9	0.0	2.57	4.24
07:25	3.08	0.9	0.0	2.57	4.24
07:30	3.08	0.9	0.0	2.56	4.24
07:35	3.07	0.9	0.0	2.56	4.24
07:40	3.07	0.9	0.0	2.55	4.24
07:45	3.06	0.9	0.0	2.55	4.24
07:50	3.06	0.9	0.0	2.54	4.24
07:55	3.06	0.9	0.0	2.54	4.24
08:00	3.05	0.9	0.0	2.54	4.24
08:05	3.05	0.9	0.0	2.54	4.24
08:10	3.05	0.9	0.0	2.53	4.24
08:15	3.05	0.9	0.0	2.53	4.24
08:20	3.04	0.9	0.0	2.53	4.24
08:25	3.04	0.9	0.0	2.53	4.24
08:30	3.04	0.9	0.0	2.52	4.24
08:35	3.04	0.9	0.0	2.52	4.24
08:40	3.04	0.9	0.0	2.52	4.24
08:45	3.03	0.9	0.0	2.52	4.24
08:50	3.03	0.9	0.0	2.52	4.24
08:55	3.03	0.9	0.0	2.52	4.24
09:00	3.03	0.9	0.0	2.52	4.24
09:05	3.03	0.9	0.0	2.51	4.24
09:10	3.03	0.9	0.0	2.51	4.24
09:15	3.03	0.9	0.0	2.51	4.24
09:20	3.03	0.9	0.0	2.51	4.24
09:25	3.03	0.9	0.0	2.51	4.24
09:30	3.02	0.9	0.0	2.51	4.24
09:35	3.02	0.9	0.0	2.51	4.24
09:40	3.02	0.9	0.0	2.51	4.24
09:45	3.02	0.9	0.0	2.51	4.24
09:50	3.02	0.9	0.0	2.51	4.24
09:55	3.02	0.9	0.0	2.51	4.24
10:00	3.02	0.9	0.0	2.50	4.24
10:05	3.02	0.9	0.0	2.50	4.24
10:10	3.02	0.9	0.0	2.50	4.24
10:15	3.02	0.9	0.0	2.50	4.24
10:20	3.02	0.9	0.0	2.50	4.24
10:25	3.02	0.9	0.0	2.50	4.24
10:30	3.02	0.9	0.0	2.50	4.24
10:35	3.02	0.9	0.0	2.50	4.24

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.010	0.006	0.5	0.00
00:10	0.019	0.012	0.007	1.0	0.01
00:15	0.019	0.012	0.007	1.1	0.02
00:20	0.019	0.012	0.007	1.2	0.03
00:25	0.019	0.012	0.007	1.2	0.03
00:30	0.022	0.012	0.010	1.6	0.05
00:35	0.022	0.012	0.010	1.8	0.06
00:40	0.022	0.012	0.010	1.9	0.07
00:45	0.022	0.012	0.010	1.9	0.08
00:50	0.022	0.012	0.010	1.9	0.10
00:55	0.022	0.012	0.010	1.9	0.11
01:00	0.026	0.012	0.013	2.2	0.13
01:05	0.026	0.012	0.013	2.4	0.14
01:10	0.026	0.012	0.013	2.5	0.16
01:15	0.026	0.012	0.013	2.5	0.18
01:20	0.026	0.012	0.013	2.6	0.19
01:25	0.026	0.012	0.013	2.6	0.21
01:30	0.026	0.012	0.013	2.6	0.23
01:35	0.026	0.012	0.013	2.6	0.25
01:40	0.026	0.012	0.013	2.6	0.27
01:45	0.026	0.012	0.013	2.6	0.28
01:50	0.026	0.012	0.013	2.6	0.30
01:55	0.026	0.012	0.013	2.6	0.32
02:00	0.029	0.012	0.016	2.9	0.34
02:05	0.026	0.012	0.013	2.8	0.36
02:10	0.029	0.012	0.016	3.0	0.38
02:15	0.029	0.012	0.016	3.1	0.40
02:20	0.029	0.012	0.016	3.2	0.42
02:25	0.029	0.012	0.016	3.2	0.44
02:30	0.029	0.012	0.016	3.2	0.47
02:35	0.029	0.012	0.016	3.2	0.49
02:40	0.029	0.012	0.016	3.2	0.51
02:45	0.032	0.012	0.020	3.5	0.53
02:50	0.032	0.012	0.020	3.7	0.56
02:55	0.032	0.012	0.020	3.8	0.59
03:00	0.032	0.012	0.020	3.8	0.61
03:05	0.032	0.012	0.020	3.8	0.64
03:10	0.035	0.012	0.023	4.1	0.67
03:15	0.035	0.012	0.023	4.3	0.70
03:20	0.035	0.012	0.023	4.4	0.73
03:25	0.038	0.012	0.026	4.7	0.76
03:30	0.042	0.012	0.029	5.2	0.80
03:35	0.045	0.012	0.032	5.8	0.84
03:40	0.045	0.012	0.032	6.1	0.88
03:45	0.048	0.012	0.036	6.5	0.92
03:50	0.048	0.012	0.036	6.7	0.97
03:55	0.051	0.012	0.039	7.1	1.02
04:00	0.051	0.012	0.039	7.4	1.07
04:05	0.054	0.012	0.042	7.8	1.12
04:10	0.058	0.012	0.045	8.3	1.18
04:15	0.061	0.012	0.048	8.9	1.24
04:20	0.064	0.012	0.052	9.5	1.31
04:25	0.067	0.012	0.055	10.1	1.38
04:30	0.067	0.012	0.055	10.4	1.45
04:35	0.070	0.012	0.058	10.9	1.52
04:40	0.074	0.012	0.061	11.4	1.60
04:45	0.077	0.012	0.064	12.0	1.69
04:50	0.077	0.012	0.064	12.4	1.77
04:55	0.080	0.012	0.068	12.8	1.86
05:00	0.083	0.012	0.071	13.4	1.95
05:05	0.099	0.012	0.087	15.2	2.06
05:10	0.115	0.012	0.103	17.7	2.18
05:15	0.125	0.012	0.112	19.9	2.31
05:20	0.134	0.012	0.122	21.8	2.46
05:25	0.150	0.012	0.138	24.3	2.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.012	0.167	28.4	2.83
05:35	0.061	0.012	0.048	19.4	2.96
05:40	0.029	0.012	0.016	10.6	3.03
05:45	0.019	0.012	0.007	6.2	3.08
05:50	0.016	0.010	0.006	4.1	3.10
05:55	0.010	0.006	0.003	3.0	3.13
06:00	0.006	0.004	0.002	2.2	3.14
06:05	0.000	0.000	0.000	1.4	3.15
06:10	0.000	0.000	0.000	0.6	3.15
06:15	0.000	0.000	0.000	0.2	3.16
06:20	0.000	0.000	0.000	0.1	3.16
06:25	0.000	0.000	0.000	0.1	3.16
06:30	0.000	0.000	0.000	0.0	3.16
06:35	0.000	0.000	0.000	0.0	3.16
06:40	0.000	0.000	0.000	0.0	3.16
06:45	0.000	0.000	0.000	0.0	3.16
06:50	0.000	0.000	0.000	0.0	3.16
06:55	0.000	0.000	0.000	0.0	3.16
07:00	0.000	0.000	0.000	0.0	3.16
07:05	0.000	0.000	0.000	0.0	3.16
07:10	0.000	0.000	0.000	0.0	3.16
07:15	0.000	0.000	0.000	0.0	3.16
07:20	0.000	0.000	0.000	0.0	3.16
07:25	0.000	0.000	0.000	0.0	3.16
07:30	0.000	0.000	0.000	0.0	3.16
07:35	0.000	0.000	0.000	0.0	3.16
07:40	0.000	0.000	0.000	0.0	3.16
07:45	0.000	0.000	0.000	0.0	3.16
07:50	0.000	0.000	0.000	0.0	3.16
07:55	0.000	0.000	0.000	0.0	3.16
08:00	0.000	0.000	0.000	0.0	3.16
08:05	0.000	0.000	0.000	0.0	3.16
08:10	0.000	0.000	0.000	0.0	3.16
08:15	0.000	0.000	0.000	0.0	3.16
08:20	0.000	0.000	0.000	0.0	3.16
08:25	0.000	0.000	0.000	0.0	3.16
08:30	0.000	0.000	0.000	0.0	3.16
08:35	0.000	0.000	0.000	0.0	3.16
08:40	0.000	0.000	0.000	0.0	3.16
08:45	0.000	0.000	0.000	0.0	3.16
08:50	0.000	0.000	0.000	0.0	3.16
08:55	0.000	0.000	0.000	0.0	3.16
09:00	0.000	0.000	0.000	0.0	3.16
09:05	0.000	0.000	0.000	0.0	3.16
09:10	0.000	0.000	0.000	0.0	3.16
09:15	0.000	0.000	0.000	0.0	3.16
09:20	0.000	0.000	0.000	0.0	3.16
09:25	0.000	0.000	0.000	0.0	3.16
09:30	0.000	0.000	0.000	0.0	3.16
09:35	0.000	0.000	0.000	0.0	3.16
09:40	0.000	0.000	0.000	0.0	3.16
09:45	0.000	0.000	0.000	0.0	3.16
09:50	0.000	0.000	0.000	0.0	3.16
09:55	0.000	0.000	0.000	0.0	3.16
10:00	0.000	0.000	0.000	0.0	3.16
10:05	0.000	0.000	0.000	0.0	3.16
10:10	0.000	0.000	0.000	0.0	3.16
10:15	0.000	0.000	0.000	0.0	3.16
10:20	0.000	0.000	0.000	0.0	3.16
10:25	0.000	0.000	0.000	0.0	3.16
10:30	0.000	0.000	0.000	0.0	3.16
10:35	0.000	0.000	0.000	0.0	3.16

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.6	0.5	0.00	0.00
00:10	0.01	0.6	1.0	0.01	0.01
00:15	0.02	0.6	1.1	0.01	0.02
00:20	0.04	0.6	1.2	0.02	0.03
00:25	0.05	0.6	1.2	0.03	0.03
00:30	0.07	0.6	1.6	0.04	0.05
00:35	0.09	0.6	1.8	0.05	0.06
00:40	0.11	0.6	1.9	0.06	0.07
00:45	0.13	0.6	1.9	0.08	0.08
00:50	0.16	0.6	1.9	0.09	0.10
00:55	0.18	0.6	1.9	0.10	0.11
01:00	0.20	0.6	2.2	0.12	0.13
01:05	0.23	0.6	2.4	0.13	0.14
01:10	0.26	0.6	2.5	0.15	0.16
01:15	0.29	0.6	2.5	0.17	0.18
01:20	0.32	0.6	2.6	0.19	0.19
01:25	0.35	0.6	2.6	0.20	0.21
01:30	0.38	0.6	2.6	0.22	0.23
01:35	0.41	0.6	2.6	0.24	0.25
01:40	0.44	0.6	2.6	0.26	0.27
01:45	0.47	0.6	2.6	0.27	0.28
01:50	0.51	0.6	2.6	0.29	0.30
01:55	0.54	0.6	2.6	0.31	0.32
02:00	0.57	0.6	2.9	0.33	0.34
02:05	0.60	0.6	2.8	0.35	0.36
02:10	0.64	0.6	3.0	0.37	0.38
02:15	0.67	0.6	3.1	0.39	0.40
02:20	0.71	0.6	3.2	0.41	0.42
02:25	0.75	0.6	3.2	0.43	0.44
02:30	0.79	0.6	3.2	0.46	0.47
02:35	0.82	0.6	3.2	0.48	0.49
02:40	0.86	0.6	3.2	0.50	0.51
02:45	0.90	0.6	3.5	0.52	0.53
02:50	0.95	0.6	3.7	0.55	0.56
02:55	0.99	0.6	3.8	0.57	0.59
03:00	1.03	0.6	3.8	0.60	0.61
03:05	1.07	0.6	3.8	0.63	0.64
03:10	1.12	0.6	4.1	0.65	0.67
03:15	1.16	0.6	4.3	0.68	0.70
03:20	1.21	0.6	4.4	0.71	0.73
03:25	1.26	0.6	4.7	0.74	0.76
03:30	1.31	0.6	5.2	0.78	0.80
03:35	1.37	0.6	5.8	0.82	0.84
03:40	1.43	0.6	6.1	0.86	0.88
03:45	1.50	0.6	6.5	0.90	0.92
03:50	1.57	0.6	6.7	0.95	0.97
03:55	1.65	0.6	7.1	0.99	1.02
04:00	1.73	0.7	7.4	1.04	1.07
04:05	1.81	0.7	7.8	1.10	1.12
04:10	1.90	0.7	8.3	1.15	1.18
04:15	1.99	0.7	8.9	1.21	1.24
04:20	2.08	0.7	9.5	1.27	1.31
04:25	2.18	0.7	10.1	1.34	1.38
04:30	2.28	0.7	10.4	1.41	1.45
04:35	2.38	0.7	10.9	1.49	1.52
04:40	2.49	0.7	11.4	1.56	1.60
04:45	2.61	0.7	12.0	1.64	1.69
04:50	2.73	0.7	12.4	1.73	1.77
04:55	2.85	0.7	12.8	1.81	1.86
05:00	2.98	0.7	13.4	1.90	1.95
05:05	3.11	0.7	15.2	2.00	2.06
05:10	3.24	0.7	17.7	2.10	2.18
05:15	3.36	0.8	19.9	2.20	2.31
05:20	3.48	0.8	21.8	2.29	2.46
05:25	3.59	0.8	24.3	2.38	2.63

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.70	0.8	28.4	2.46	2.83
05:35	3.77	0.8	19.4	2.51	2.96
05:40	3.74	0.8	10.6	2.49	3.03
05:45	3.67	0.8	6.2	2.44	3.08
05:50	3.60	0.8	4.1	2.38	3.10
05:55	3.53	0.8	3.0	2.32	3.13
06:00	3.47	0.8	2.2	2.28	3.14
06:05	3.41	0.8	1.4	2.24	3.15
06:10	3.36	0.8	0.6	2.20	3.15
06:15	3.32	0.8	0.2	2.16	3.16
06:20	3.28	0.8	0.1	2.13	3.16
06:25	3.25	0.8	0.1	2.11	3.16
06:30	3.22	0.7	0.0	2.09	3.16
06:35	3.20	0.7	0.0	2.07	3.16
06:40	3.18	0.7	0.0	2.06	3.16
06:45	3.16	0.7	0.0	2.04	3.16
06:50	3.15	0.7	0.0	2.03	3.16
06:55	3.13	0.7	0.0	2.02	3.16
07:00	3.12	0.7	0.0	2.01	3.16
07:05	3.11	0.7	0.0	2.01	3.16
07:10	3.10	0.7	0.0	2.00	3.16
07:15	3.10	0.7	0.0	1.99	3.16
07:20	3.09	0.7	0.0	1.99	3.16
07:25	3.08	0.7	0.0	1.98	3.16
07:30	3.08	0.7	0.0	1.98	3.16
07:35	3.07	0.7	0.0	1.98	3.16
07:40	3.07	0.7	0.0	1.97	3.16
07:45	3.06	0.7	0.0	1.97	3.16
07:50	3.06	0.7	0.0	1.97	3.16
07:55	3.06	0.7	0.0	1.96	3.16
08:00	3.05	0.7	0.0	1.96	3.16
08:05	3.05	0.7	0.0	1.96	3.16
08:10	3.05	0.7	0.0	1.96	3.16
08:15	3.05	0.7	0.0	1.95	3.16
08:20	3.04	0.7	0.0	1.95	3.16
08:25	3.04	0.7	0.0	1.95	3.16
08:30	3.04	0.7	0.0	1.95	3.16
08:35	3.04	0.7	0.0	1.95	3.16
08:40	3.04	0.7	0.0	1.95	3.16
08:45	3.03	0.7	0.0	1.95	3.16
08:50	3.03	0.7	0.0	1.94	3.16
08:55	3.03	0.7	0.0	1.94	3.16
09:00	3.03	0.7	0.0	1.94	3.16
09:05	3.03	0.7	0.0	1.94	3.16
09:10	3.03	0.7	0.0	1.94	3.16
09:15	3.03	0.7	0.0	1.94	3.16
09:20	3.03	0.7	0.0	1.94	3.16
09:25	3.02	0.7	0.0	1.94	3.16
09:30	3.02	0.7	0.0	1.94	3.16
09:35	3.02	0.7	0.0	1.94	3.16
09:40	3.02	0.7	0.0	1.94	3.16
09:45	3.02	0.7	0.0	1.94	3.16
09:50	3.02	0.7	0.0	1.93	3.16
09:55	3.02	0.7	0.0	1.93	3.16
10:00	3.02	0.7	0.0	1.93	3.16
10:05	3.02	0.7	0.0	1.93	3.16
10:10	3.02	0.7	0.0	1.93	3.16
10:15	3.02	0.7	0.0	1.93	3.16
10:20	3.02	0.7	0.0	1.93	3.16
10:25	3.02	0.7	0.0	1.93	3.16
10:30	3.02	0.7	0.0	1.93	3.16
10:35	3.02	0.7	0.0	1.93	3.16

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.3	0.01
00:10	0.019	0.008	0.012	2.2	0.02
00:15	0.019	0.008	0.012	2.4	0.04
00:20	0.019	0.008	0.012	2.5	0.06
00:25	0.019	0.008	0.012	2.6	0.08
00:30	0.022	0.008	0.015	3.1	0.10
00:35	0.022	0.008	0.015	3.3	0.12
00:40	0.022	0.008	0.015	3.3	0.14
00:45	0.022	0.008	0.015	3.3	0.16
00:50	0.022	0.008	0.015	3.3	0.19
00:55	0.022	0.008	0.015	3.3	0.21
01:00	0.026	0.008	0.018	3.8	0.24
01:05	0.026	0.008	0.018	4.0	0.26
01:10	0.026	0.008	0.018	4.0	0.29
01:15	0.026	0.008	0.018	4.0	0.32
01:20	0.026	0.008	0.018	4.1	0.35
01:25	0.026	0.008	0.018	4.1	0.38
01:30	0.026	0.008	0.018	4.1	0.40
01:35	0.026	0.008	0.018	4.1	0.43
01:40	0.026	0.008	0.018	4.1	0.46
01:45	0.026	0.008	0.018	4.1	0.49
01:50	0.026	0.008	0.018	4.1	0.52
01:55	0.026	0.008	0.018	4.1	0.54
02:00	0.029	0.008	0.021	4.6	0.58
02:05	0.026	0.008	0.018	4.2	0.60
02:10	0.029	0.008	0.021	4.6	0.64
02:15	0.029	0.008	0.021	4.7	0.67
02:20	0.029	0.008	0.021	4.8	0.70
02:25	0.029	0.008	0.021	4.8	0.73
02:30	0.029	0.008	0.021	4.8	0.77
02:35	0.029	0.008	0.021	4.8	0.80
02:40	0.029	0.008	0.021	4.8	0.83
02:45	0.032	0.008	0.025	5.3	0.87
02:50	0.032	0.008	0.025	5.4	0.91
02:55	0.032	0.008	0.025	5.4	0.94
03:00	0.032	0.008	0.025	5.5	0.98
03:05	0.032	0.008	0.025	5.5	1.02
03:10	0.035	0.008	0.028	6.0	1.06
03:15	0.035	0.008	0.028	6.1	1.10
03:20	0.035	0.008	0.028	6.2	1.15
03:25	0.038	0.008	0.031	6.7	1.19
03:30	0.042	0.008	0.034	7.3	1.24
03:35	0.045	0.008	0.037	8.0	1.30
03:40	0.045	0.008	0.037	8.2	1.35
03:45	0.048	0.008	0.041	8.8	1.41
03:50	0.048	0.008	0.041	9.0	1.48
03:55	0.051	0.008	0.044	9.5	1.54
04:00	0.051	0.008	0.044	9.7	1.61
04:05	0.054	0.008	0.047	10.2	1.68
04:10	0.058	0.008	0.050	10.9	1.75
04:15	0.061	0.008	0.053	11.6	1.83
04:20	0.064	0.008	0.057	12.3	1.92
04:25	0.067	0.008	0.060	13.0	2.01
04:30	0.067	0.008	0.060	13.2	2.10
04:35	0.070	0.008	0.063	13.8	2.19
04:40	0.074	0.008	0.066	14.5	2.29
04:45	0.077	0.008	0.069	15.2	2.40
04:50	0.077	0.008	0.069	15.4	2.50
04:55	0.080	0.008	0.073	16.0	2.61
05:00	0.083	0.008	0.076	16.6	2.73
05:05	0.099	0.008	0.092	19.3	2.86
05:10	0.115	0.008	0.108	22.5	3.02
05:15	0.125	0.008	0.117	24.9	3.19
05:20	0.134	0.008	0.127	27.1	3.38
05:25	0.150	0.008	0.143	30.4	3.58

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	35.8	3.83
05:35	0.061	0.008	0.053	19.0	3.96
05:40	0.029	0.008	0.021	9.8	4.03
05:45	0.019	0.008	0.012	5.9	4.07
05:50	0.016	0.008	0.009	4.0	4.10
05:55	0.010	0.005	0.005	2.1	4.11
06:00	0.006	0.003	0.003	1.1	4.12
06:05	0.000	0.000	0.000	0.4	4.12
06:10	0.000	0.000	0.000	0.2	4.12
06:15	0.000	0.000	0.000	0.1	4.12
06:20	0.000	0.000	0.000	0.0	4.12
06:25	0.000	0.000	0.000	0.0	4.12
06:30	0.000	0.000	0.000	0.0	4.12
06:35	0.000	0.000	0.000	0.0	4.12
06:40	0.000	0.000	0.000	0.0	4.12
06:45	0.000	0.000	0.000	0.0	4.12
06:50	0.000	0.000	0.000	0.0	4.12
06:55	0.000	0.000	0.000	0.0	4.12
07:00	0.000	0.000	0.000	0.0	4.12
07:05	0.000	0.000	0.000	0.0	4.12
07:10	0.000	0.000	0.000	0.0	4.12
07:15	0.000	0.000	0.000	0.0	4.12
07:20	0.000	0.000	0.000	0.0	4.12
07:25	0.000	0.000	0.000	0.0	4.12
07:30	0.000	0.000	0.000	0.0	4.12
07:35	0.000	0.000	0.000	0.0	4.12
07:40	0.000	0.000	0.000	0.0	4.12
07:45	0.000	0.000	0.000	0.0	4.12
07:50	0.000	0.000	0.000	0.0	4.12
07:55	0.000	0.000	0.000	0.0	4.12
08:00	0.000	0.000	0.000	0.0	4.12
08:05	0.000	0.000	0.000	0.0	4.12
08:10	0.000	0.000	0.000	0.0	4.12
08:15	0.000	0.000	0.000	0.0	4.12
08:20	0.000	0.000	0.000	0.0	4.12
08:25	0.000	0.000	0.000	0.0	4.12
08:30	0.000	0.000	0.000	0.0	4.12
08:35	0.000	0.000	0.000	0.0	4.12
08:40	0.000	0.000	0.000	0.0	4.12
08:45	0.000	0.000	0.000	0.0	4.12
08:50	0.000	0.000	0.000	0.0	4.12
08:55	0.000	0.000	0.000	0.0	4.12
09:00	0.000	0.000	0.000	0.0	4.12
09:05	0.000	0.000	0.000	0.0	4.12
09:10	0.000	0.000	0.000	0.0	4.12
09:15	0.000	0.000	0.000	0.0	4.12
09:20	0.000	0.000	0.000	0.0	4.12
09:25	0.000	0.000	0.000	0.0	4.12
09:30	0.000	0.000	0.000	0.0	4.12
09:35	0.000	0.000	0.000	0.0	4.12
09:40	0.000	0.000	0.000	0.0	4.12
09:45	0.000	0.000	0.000	0.0	4.12
09:50	0.000	0.000	0.000	0.0	4.12
09:55	0.000	0.000	0.000	0.0	4.12
10:00	0.000	0.000	0.000	0.0	4.12
10:05	0.000	0.000	0.000	0.0	4.12
10:10	0.000	0.000	0.000	0.0	4.12
10:15	0.000	0.000	0.000	0.0	4.12
10:20	0.000	0.000	0.000	0.0	4.12
10:25	0.000	0.000	0.000	0.0	4.12
10:30	0.000	0.000	0.000	0.0	4.12
10:35	0.000	0.000	0.000	0.0	4.12

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.7	1.3	0.00	0.01
00:10	0.02	0.7	2.2	0.02	0.02
00:15	0.04	0.7	2.4	0.03	0.04
00:20	0.07	0.7	2.5	0.05	0.06
00:25	0.09	0.7	2.6	0.07	0.08
00:30	0.12	0.7	3.1	0.09	0.10
00:35	0.15	0.7	3.3	0.11	0.12
00:40	0.18	0.7	3.3	0.13	0.14
00:45	0.21	0.7	3.3	0.15	0.16
00:50	0.24	0.7	3.3	0.18	0.19
00:55	0.28	0.7	3.3	0.20	0.21
01:00	0.31	0.7	3.8	0.22	0.24
01:05	0.35	0.7	4.0	0.25	0.26
01:10	0.39	0.7	4.0	0.28	0.29
01:15	0.42	0.7	4.0	0.31	0.32
01:20	0.46	0.7	4.1	0.33	0.35
01:25	0.50	0.7	4.1	0.36	0.38
01:30	0.54	0.7	4.1	0.39	0.40
01:35	0.58	0.7	4.1	0.42	0.43
01:40	0.62	0.7	4.1	0.45	0.46
01:45	0.66	0.7	4.1	0.47	0.49
01:50	0.69	0.7	4.1	0.50	0.52
01:55	0.73	0.7	4.1	0.53	0.54
02:00	0.77	0.7	4.6	0.56	0.58
02:05	0.82	0.7	4.2	0.59	0.60
02:10	0.86	0.7	4.6	0.62	0.64
02:15	0.90	0.7	4.7	0.65	0.67
02:20	0.95	0.8	4.8	0.68	0.70
02:25	0.99	0.8	4.8	0.72	0.73
02:30	1.03	0.8	4.8	0.75	0.77
02:35	1.08	0.8	4.8	0.78	0.80
02:40	1.12	0.8	4.8	0.82	0.83
02:45	1.16	0.8	5.3	0.85	0.87
02:50	1.21	0.8	5.4	0.89	0.91
02:55	1.26	0.8	5.4	0.93	0.94
03:00	1.30	0.8	5.5	0.96	0.98
03:05	1.35	0.8	5.5	1.00	1.02
03:10	1.40	0.8	6.0	1.04	1.06
03:15	1.45	0.8	6.1	1.08	1.10
03:20	1.51	0.8	6.2	1.12	1.15
03:25	1.56	0.8	6.7	1.17	1.19
03:30	1.63	0.8	7.3	1.22	1.24
03:35	1.69	0.8	8.0	1.27	1.30
03:40	1.76	0.8	8.2	1.33	1.35
03:45	1.84	0.8	8.8	1.38	1.41
03:50	1.91	0.8	9.0	1.44	1.48
03:55	1.99	0.8	9.5	1.51	1.54
04:00	2.07	0.8	9.7	1.57	1.61
04:05	2.15	0.8	10.2	1.64	1.68
04:10	2.24	0.8	10.9	1.72	1.75
04:15	2.33	0.8	11.6	1.79	1.83
04:20	2.42	0.9	12.3	1.88	1.92
04:25	2.52	0.9	13.0	1.96	2.01
04:30	2.63	0.9	13.2	2.05	2.10
04:35	2.74	0.9	13.8	2.15	2.19
04:40	2.85	0.9	14.5	2.24	2.29
04:45	2.97	0.9	15.2	2.35	2.40
04:50	3.08	0.9	15.4	2.45	2.50
04:55	3.19	0.9	16.0	2.55	2.61
05:00	3.28	0.9	16.6	2.64	2.73
05:05	3.37	0.9	19.3	2.72	2.86
05:10	3.47	0.9	22.5	2.81	3.02
05:15	3.56	0.9	24.9	2.89	3.19
05:20	3.65	0.9	27.1	2.98	3.38
05:25	3.73	0.9	30.4	3.05	3.58

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.82	1.0	35.8	3.14	3.83
05:35	3.86	1.0	19.0	3.17	3.96
05:40	3.80	1.0	9.8	3.11	4.03
05:45	3.71	0.9	5.9	3.03	4.07
05:50	3.63	0.9	4.0	2.95	4.10
05:55	3.55	0.9	2.1	2.88	4.11
06:00	3.48	0.9	1.1	2.82	4.12
06:05	3.42	0.9	0.4	2.76	4.12
06:10	3.37	0.9	0.2	2.71	4.12
06:15	3.32	0.9	0.1	2.67	4.12
06:20	3.29	0.9	0.0	2.64	4.12
06:25	3.25	0.9	0.0	2.61	4.12
06:30	3.23	0.9	0.0	2.58	4.12
06:35	3.21	0.9	0.0	2.56	4.12
06:40	3.19	0.9	0.0	2.55	4.12
06:45	3.17	0.9	0.0	2.53	4.12
06:50	3.16	0.9	0.0	2.52	4.12
06:55	3.14	0.9	0.0	2.50	4.12
07:00	3.13	0.9	0.0	2.49	4.12
07:05	3.12	0.9	0.0	2.49	4.12
07:10	3.11	0.9	0.0	2.48	4.12
07:15	3.10	0.9	0.0	2.47	4.12
07:20	3.10	0.9	0.0	2.46	4.12
07:25	3.09	0.9	0.0	2.46	4.12
07:30	3.09	0.9	0.0	2.45	4.12
07:35	3.08	0.9	0.0	2.45	4.12
07:40	3.08	0.9	0.0	2.44	4.12
07:45	3.07	0.9	0.0	2.44	4.12
07:50	3.07	0.9	0.0	2.43	4.12
07:55	3.06	0.9	0.0	2.43	4.12
08:00	3.06	0.9	0.0	2.43	4.12
08:05	3.06	0.9	0.0	2.42	4.12
08:10	3.05	0.9	0.0	2.42	4.12
08:15	3.05	0.9	0.0	2.42	4.12
08:20	3.05	0.9	0.0	2.42	4.12
08:25	3.05	0.9	0.0	2.42	4.12
08:30	3.04	0.9	0.0	2.41	4.12
08:35	3.04	0.9	0.0	2.41	4.12
08:40	3.04	0.9	0.0	2.41	4.12
08:45	3.04	0.9	0.0	2.41	4.12
08:50	3.04	0.9	0.0	2.41	4.12
08:55	3.04	0.9	0.0	2.40	4.12
09:00	3.03	0.9	0.0	2.40	4.12
09:05	3.03	0.9	0.0	2.40	4.12
09:10	3.03	0.9	0.0	2.40	4.12
09:15	3.03	0.9	0.0	2.40	4.12
09:20	3.03	0.9	0.0	2.40	4.12
09:25	3.03	0.9	0.0	2.40	4.12
09:30	3.03	0.9	0.0	2.40	4.12
09:35	3.03	0.9	0.0	2.40	4.12
09:40	3.03	0.9	0.0	2.40	4.12
09:45	3.02	0.9	0.0	2.39	4.12
09:50	3.02	0.9	0.0	2.39	4.12
09:55	3.02	0.9	0.0	2.39	4.12
10:00	3.02	0.9	0.0	2.39	4.12
10:05	3.02	0.9	0.0	2.39	4.12
10:10	3.02	0.9	0.0	2.39	4.12
10:15	3.02	0.9	0.0	2.39	4.12
10:20	3.02	0.9	0.0	2.39	4.12
10:25	3.02	0.9	0.0	2.39	4.12
10:30	3.02	0.9	0.0	2.39	4.12
10:35	3.02	0.9	0.0	2.39	4.12

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.028	0.000	0.0	0.00
02:15	0.029	0.028	0.000	0.0	0.00
02:20	0.029	0.028	0.000	0.0	0.00
02:25	0.029	0.028	0.000	0.0	0.00
02:30	0.029	0.028	0.000	0.0	0.00
02:35	0.029	0.028	0.000	0.0	0.00
02:40	0.029	0.028	0.000	0.0	0.00
02:45	0.032	0.028	0.004	0.1	0.00
02:50	0.032	0.028	0.004	0.2	0.00
02:55	0.032	0.028	0.004	0.3	0.01
03:00	0.032	0.028	0.004	0.3	0.01
03:05	0.032	0.028	0.004	0.3	0.01
03:10	0.035	0.028	0.007	0.4	0.01
03:15	0.035	0.028	0.007	0.5	0.02
03:20	0.035	0.028	0.007	0.6	0.02
03:25	0.038	0.028	0.010	0.7	0.03
03:30	0.042	0.028	0.013	0.9	0.03
03:35	0.045	0.028	0.016	1.1	0.04
03:40	0.045	0.028	0.016	1.3	0.05
03:45	0.048	0.028	0.020	1.5	0.06
03:50	0.048	0.028	0.020	1.6	0.07
03:55	0.051	0.028	0.023	1.8	0.08
04:00	0.051	0.028	0.023	1.9	0.10
04:05	0.054	0.028	0.026	2.1	0.11
04:10	0.058	0.028	0.029	2.3	0.13
04:15	0.061	0.028	0.032	2.6	0.14
04:20	0.064	0.028	0.036	2.9	0.16
04:25	0.067	0.028	0.039	3.1	0.18
04:30	0.067	0.028	0.039	3.3	0.21
04:35	0.070	0.028	0.042	3.5	0.23
04:40	0.074	0.028	0.045	3.8	0.26
04:45	0.077	0.028	0.048	4.0	0.29
04:50	0.077	0.028	0.048	4.2	0.31
04:55	0.080	0.028	0.052	4.4	0.34
05:00	0.083	0.028	0.055	4.7	0.38
05:05	0.099	0.028	0.071	5.3	0.41
05:10	0.115	0.028	0.087	6.3	0.46
05:15	0.125	0.028	0.096	7.4	0.51
05:20	0.134	0.028	0.106	8.3	0.57
05:25	0.150	0.028	0.122	9.4	0.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.151	11.0	0.71
05:35	0.061	0.028	0.032	9.2	0.77
05:40	0.029	0.028	0.000	4.7	0.80
05:45	0.019	0.019	0.000	2.5	0.82
05:50	0.016	0.016	0.000	1.6	0.83
05:55	0.010	0.010	0.000	1.1	0.84
06:00	0.006	0.006	0.000	0.9	0.84
06:05	0.000	0.000	0.000	0.8	0.85
06:10	0.000	0.000	0.000	0.6	0.85
06:15	0.000	0.000	0.000	0.5	0.86
06:20	0.000	0.000	0.000	0.3	0.86
06:25	0.000	0.000	0.000	0.1	0.86
06:30	0.000	0.000	0.000	0.0	0.86
06:35	0.000	0.000	0.000	0.0	0.86
06:40	0.000	0.000	0.000	0.0	0.86
06:45	0.000	0.000	0.000	0.0	0.86
06:50	0.000	0.000	0.000	0.0	0.86
06:55	0.000	0.000	0.000	0.0	0.86
07:00	0.000	0.000	0.000	0.0	0.86
07:05	0.000	0.000	0.000	0.0	0.86
07:10	0.000	0.000	0.000	0.0	0.86
07:15	0.000	0.000	0.000	0.0	0.86
07:20	0.000	0.000	0.000	0.0	0.86
07:25	0.000	0.000	0.000	0.0	0.86
07:30	0.000	0.000	0.000	0.0	0.86
07:35	0.000	0.000	0.000	0.0	0.86
07:40	0.000	0.000	0.000	0.0	0.86
07:45	0.000	0.000	0.000	0.0	0.86
07:50	0.000	0.000	0.000	0.0	0.86
07:55	0.000	0.000	0.000	0.0	0.86
08:00	0.000	0.000	0.000	0.0	0.86
08:05	0.000	0.000	0.000	0.0	0.86
08:10	0.000	0.000	0.000	0.0	0.86
08:15	0.000	0.000	0.000	0.0	0.86
08:20	0.000	0.000	0.000	0.0	0.86
08:25	0.000	0.000	0.000	0.0	0.86
08:30	0.000	0.000	0.000	0.0	0.86
08:35	0.000	0.000	0.000	0.0	0.86
08:40	0.000	0.000	0.000	0.0	0.86
08:45	0.000	0.000	0.000	0.0	0.86
08:50	0.000	0.000	0.000	0.0	0.86
08:55	0.000	0.000	0.000	0.0	0.86
09:00	0.000	0.000	0.000	0.0	0.86
09:05	0.000	0.000	0.000	0.0	0.86
09:10	0.000	0.000	0.000	0.0	0.86
09:15	0.000	0.000	0.000	0.0	0.86
09:20	0.000	0.000	0.000	0.0	0.86
09:25	0.000	0.000	0.000	0.0	0.86
09:30	0.000	0.000	0.000	0.0	0.86
09:35	0.000	0.000	0.000	0.0	0.86
09:40	0.000	0.000	0.000	0.0	0.86
09:45	0.000	0.000	0.000	0.0	0.86
09:50	0.000	0.000	0.000	0.0	0.86
09:55	0.000	0.000	0.000	0.0	0.86
10:00	0.000	0.000	0.000	0.0	0.86
10:05	0.000	0.000	0.000	0.0	0.86
10:10	0.000	0.000	0.000	0.0	0.86
10:15	0.000	0.000	0.000	0.0	0.86
10:20	0.000	0.000	0.000	0.0	0.86
10:25	0.000	0.000	0.000	0.0	0.86
10:30	0.000	0.000	0.000	0.0	0.86
10:35	0.000	0.000	0.000	0.0	0.86

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.2	0.0	0.00	0.00
00:10	0.00	0.2	0.0	0.00	0.00
00:15	0.00	0.2	0.0	0.00	0.00
00:20	0.00	0.2	0.0	0.00	0.00
00:25	0.00	0.2	0.0	0.00	0.00
00:30	0.00	0.2	0.0	0.00	0.00
00:35	0.00	0.2	0.0	0.00	0.00
00:40	0.00	0.2	0.0	0.00	0.00
00:45	0.00	0.2	0.0	0.00	0.00
00:50	0.00	0.2	0.0	0.00	0.00
00:55	0.00	0.2	0.0	0.00	0.00
01:00	0.00	0.2	0.0	0.00	0.00
01:05	0.00	0.2	0.0	0.00	0.00
01:10	0.00	0.2	0.0	0.00	0.00
01:15	0.00	0.2	0.0	0.00	0.00
01:20	0.00	0.2	0.0	0.00	0.00
01:25	0.00	0.2	0.0	0.00	0.00
01:30	0.00	0.2	0.0	0.00	0.00
01:35	0.00	0.2	0.0	0.00	0.00
01:40	0.00	0.2	0.0	0.00	0.00
01:45	0.00	0.2	0.0	0.00	0.00
01:50	0.00	0.2	0.0	0.00	0.00
01:55	0.00	0.2	0.0	0.00	0.00
02:00	0.00	0.2	0.0	0.00	0.00
02:05	0.00	0.2	0.0	0.00	0.00
02:10	0.00	0.2	0.0	0.00	0.00
02:15	0.00	0.2	0.0	0.00	0.00
02:20	0.00	0.2	0.0	0.00	0.00
02:25	0.00	0.2	0.0	0.00	0.00
02:30	0.01	0.2	0.0	0.00	0.00
02:35	0.01	0.2	0.0	0.00	0.00
02:40	0.01	0.2	0.0	0.00	0.00
02:45	0.01	0.2	0.1	0.00	0.00
02:50	0.02	0.2	0.2	0.00	0.00
02:55	0.03	0.2	0.3	0.01	0.01
03:00	0.04	0.2	0.3	0.01	0.01
03:05	0.05	0.2	0.3	0.01	0.01
03:10	0.06	0.2	0.4	0.01	0.01
03:15	0.08	0.2	0.5	0.02	0.02
03:20	0.10	0.2	0.6	0.02	0.02
03:25	0.12	0.2	0.7	0.02	0.03
03:30	0.14	0.2	0.9	0.03	0.03
03:35	0.18	0.2	1.1	0.04	0.04
03:40	0.22	0.2	1.3	0.04	0.05
03:45	0.27	0.2	1.5	0.05	0.06
03:50	0.33	0.2	1.6	0.06	0.07
03:55	0.39	0.2	1.8	0.08	0.08
04:00	0.45	0.2	1.9	0.09	0.10
04:05	0.52	0.2	2.1	0.10	0.11
04:10	0.60	0.2	2.3	0.12	0.13
04:15	0.68	0.2	2.6	0.13	0.14
04:20	0.78	0.2	2.9	0.15	0.16
04:25	0.88	0.2	3.1	0.17	0.18
04:30	1.00	0.2	3.3	0.20	0.21
04:35	1.10	0.2	3.5	0.22	0.23
04:40	1.21	0.2	3.8	0.24	0.26
04:45	1.32	0.2	4.0	0.27	0.29
04:50	1.44	0.2	4.2	0.30	0.31
04:55	1.57	0.2	4.4	0.33	0.34
05:00	1.71	0.2	4.7	0.36	0.38
05:05	1.86	0.2	5.3	0.39	0.41
05:10	2.02	0.3	6.3	0.43	0.46
05:15	2.20	0.3	7.4	0.48	0.51
05:20	2.40	0.3	8.3	0.54	0.57
05:25	2.62	0.3	9.4	0.60	0.63

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	2.88	0.3	11.0	0.67	0.71
05:35	3.12	0.3	9.2	0.74	0.77
05:40	3.23	0.3	4.7	0.77	0.80
05:45	3.25	0.3	2.5	0.78	0.82
05:50	3.23	0.3	1.6	0.77	0.83
05:55	3.21	0.3	1.1	0.76	0.84
06:00	3.18	0.3	0.9	0.76	0.84
06:05	3.16	0.3	0.8	0.75	0.85
06:10	3.15	0.3	0.6	0.74	0.85
06:15	3.13	0.3	0.5	0.74	0.86
06:20	3.12	0.3	0.3	0.74	0.86
06:25	3.10	0.3	0.1	0.73	0.86
06:30	3.09	0.3	0.0	0.73	0.86
06:35	3.08	0.3	0.0	0.72	0.86
06:40	3.07	0.3	0.0	0.72	0.86
06:45	3.06	0.3	0.0	0.72	0.86
06:50	3.05	0.3	0.0	0.71	0.86
06:55	3.05	0.3	0.0	0.71	0.86
07:00	3.04	0.3	0.0	0.71	0.86
07:05	3.04	0.3	0.0	0.71	0.86
07:10	3.03	0.3	0.0	0.71	0.86
07:15	3.03	0.3	0.0	0.71	0.86
07:20	3.03	0.3	0.0	0.71	0.86
07:25	3.03	0.3	0.0	0.71	0.86
07:30	3.02	0.3	0.0	0.71	0.86
07:35	3.02	0.3	0.0	0.71	0.86
07:40	3.02	0.3	0.0	0.71	0.86
07:45	3.02	0.3	0.0	0.70	0.86
07:50	3.02	0.3	0.0	0.70	0.86
07:55	3.02	0.3	0.0	0.70	0.86
08:00	3.02	0.3	0.0	0.70	0.86
08:05	3.01	0.3	0.0	0.70	0.86
08:10	3.01	0.3	0.0	0.70	0.86
08:15	3.01	0.3	0.0	0.70	0.86
08:20	3.01	0.3	0.0	0.70	0.86
08:25	3.01	0.3	0.0	0.70	0.86
08:30	3.01	0.3	0.0	0.70	0.86
08:35	3.01	0.3	0.0	0.70	0.86
08:40	3.01	0.3	0.0	0.70	0.86
08:45	3.01	0.3	0.0	0.70	0.86
08:50	3.01	0.3	0.0	0.70	0.86
08:55	3.01	0.3	0.0	0.70	0.86
09:00	3.01	0.3	0.0	0.70	0.86
09:05	3.01	0.3	0.0	0.70	0.86
09:10	3.01	0.3	0.0	0.70	0.86
09:15	3.01	0.3	0.0	0.70	0.86
09:20	3.01	0.3	0.0	0.70	0.86
09:25	3.01	0.3	0.0	0.70	0.86
09:30	3.01	0.3	0.0	0.70	0.86
09:35	3.01	0.3	0.0	0.70	0.86
09:40	3.01	0.3	0.0	0.70	0.86
09:45	3.01	0.3	0.0	0.70	0.86
09:50	3.01	0.3	0.0	0.70	0.86
09:55	3.00	0.3	0.0	0.70	0.86
10:00	3.00	0.3	0.0	0.70	0.86
10:05	3.00	0.3	0.0	0.70	0.86
10:10	3.00	0.3	0.0	0.70	0.86
10:15	3.00	0.3	0.0	0.70	0.86
10:20	3.00	0.3	0.0	0.70	0.86
10:25	3.00	0.3	0.0	0.70	0.86
10:30	3.00	0.3	0.0	0.70	0.86
10:35	3.00	0.3	0.0	0.70	0.86

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	1.0	0.01
00:15	2.0	0.02
00:20	2.0	0.03
00:25	2.0	0.05
00:30	2.0	0.06
00:35	3.0	0.08
00:40	3.0	0.10
00:45	3.0	0.12
00:50	4.0	0.15
00:55	9.0	0.21
01:00	22.0	0.37
01:05	35.0	0.61
01:10	69.0	1.08
01:15	169.0	2.25
01:20	273.0	4.13
01:25	304.0	6.22
01:30	320.0	8.42
01:35	340.0	10.76
01:40	370.0	13.31
01:45	401.0	16.07
01:50	426.0	19.01
01:55	447.0	22.09
02:00	461.0	25.26
02:05	473.0	28.52
02:10	483.0	31.85
02:15	492.0	35.23
02:20	505.0	38.71
02:25	520.0	42.29
02:30	539.0	46.01
02:35	560.0	49.86
02:40	582.0	53.87
02:45	602.0	58.02
02:50	623.0	62.31
02:55	645.0	66.75
03:00	669.0	71.36
03:05	698.0	76.16
03:10	730.0	81.19
03:15	768.0	86.48
03:20	815.0	92.09
03:25	872.0	98.10
03:30	944.0	104.60
03:35	1049.0	111.83
03:40	1184.0	119.98
03:45	1347.0	129.26
03:50	1515.0	139.69
03:55	1688.0	151.32
04:00	1864.0	164.15
04:05	2038.0	178.19
04:10	2222.0	193.49
04:15	2425.0	210.19
04:20	2658.0	228.50
04:25	2909.0	248.53
04:30	3183.0	270.45
04:35	3465.0	294.32
04:40	3745.0	320.11
04:45	4024.0	347.82
04:50	4305.0	377.47
04:55	4602.0	409.17
05:00	4908.0	442.97
05:05	5233.0	479.01
05:10	5631.0	517.79
05:15	6157.0	560.19
05:20	6854.0	607.40
05:25	7716.0	660.54

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	8753.0	720.82
05:35	9740.0	787.90
05:40	10194.0	858.11
05:45	9888.0	926.21
05:50	8910.0	987.57
05:55	7695.0	1040.56
06:00	6626.0	1086.20
06:05	5786.0	1126.05
06:10	5119.0	1161.30
06:15	4534.0	1192.53
06:20	3902.0	1219.40
06:25	3307.0	1242.18
06:30	2820.0	1261.60
06:35	2436.0	1278.37
06:40	2146.0	1293.15
06:45	1905.0	1306.27
06:50	1705.0	1318.02
06:55	1540.0	1328.62
07:00	1412.0	1338.35
07:05	1295.0	1347.27
07:10	1186.0	1355.43
07:15	1090.0	1362.94
07:20	1012.0	1369.91
07:25	947.0	1376.43
07:30	886.0	1382.53
07:35	825.0	1388.22
07:40	761.0	1393.46
07:45	697.0	1398.26
07:50	632.0	1402.61
07:55	567.0	1406.52
08:00	505.0	1409.99
08:05	456.0	1413.13
08:10	420.0	1416.03
08:15	393.0	1418.73
08:20	375.0	1421.32
08:25	359.0	1423.79
08:30	343.0	1426.15
08:35	328.0	1428.41
08:40	313.0	1430.56
08:45	297.0	1432.61
08:50	285.0	1434.57
08:55	277.0	1436.48
09:00	271.0	1438.35
09:05	265.0	1440.17
09:10	258.0	1441.95
09:15	252.0	1443.68
09:20	246.0	1445.38
09:25	240.0	1447.03
09:30	235.0	1448.65
09:35	229.0	1450.23
09:40	223.0	1451.76
09:45	216.0	1453.25
09:50	210.0	1454.70
09:55	203.0	1456.10
10:00	196.0	1457.44
10:05	189.0	1458.75
10:10	182.0	1460.00
10:15	174.0	1461.20
10:20	167.0	1462.35
10:25	159.0	1463.44
10:30	151.0	1464.48
10:35	142.0	1465.46

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	0.0	0.00	0.0	0.00
00:10	1.0	0.00	0.0	0.00
00:15	2.0	0.00	0.0	0.00
00:20	2.0	0.00	0.0	0.00
00:25	2.0	0.00	0.0	0.00
00:30	2.0	0.11	0.0	0.00
00:35	3.0	0.20	0.0	0.00
00:40	3.0	0.50	0.0	0.00
00:45	3.0	0.71	1.0	0.01
00:50	4.0	0.92	1.0	0.01
00:55	9.0	1.04	2.0	0.03
01:00	22.0	1.11	3.0	0.05
01:05	35.0	1.35	4.0	0.08
01:10	69.0	2.10	16.0	0.19
01:15	169.0	3.06	46.0	0.50
01:20	273.0	4.71	161.0	1.61
01:25	304.0	5.68	276.0	3.51
01:30	320.0	5.90	307.0	5.63
01:35	340.0	6.01	324.0	7.86
01:40	370.0	6.15	347.0	10.25
01:45	401.0	6.34	378.0	12.85
01:50	426.0	6.51	408.0	15.66
01:55	447.0	6.64	432.0	18.64
02:00	461.0	6.74	451.0	21.74
02:05	473.0	6.81	464.0	24.94
02:10	483.0	6.87	476.0	28.22
02:15	492.0	6.92	486.0	31.56
02:20	505.0	6.97	496.0	34.98
02:25	520.0	7.04	510.0	38.49
02:30	539.0	7.12	526.0	42.11
02:35	560.0	7.21	546.0	45.87
02:40	582.0	7.30	567.0	49.78
02:45	602.0	7.40	589.0	53.84
02:50	623.0	7.49	609.0	58.03
02:55	645.0	7.58	631.0	62.38
03:00	669.0	7.67	654.0	66.88
03:05	698.0	7.78	680.0	71.56
03:10	730.0	7.90	710.0	76.45
03:15	768.0	8.03	745.0	81.58
03:20	815.0	8.19	788.0	87.01
03:25	872.0	8.37	839.0	92.79
03:30	944.0	8.59	903.0	99.01
03:35	1049.0	8.87	991.0	105.83
03:40	1184.0	9.24	1113.0	113.50
03:45	1347.0	9.66	1265.0	122.21
03:50	1515.0	10.09	1435.0	132.09
03:55	1688.0	10.50	1608.0	143.17
04:00	1864.0	10.89	1785.0	155.46
04:05	2038.0	11.25	1963.0	168.98
04:10	2222.0	11.61	2146.0	183.76
04:15	2425.0	11.97	2343.0	199.90
04:20	2658.0	12.35	2567.0	217.58
04:25	2909.0	12.75	2814.0	236.96
04:30	3183.0	13.17	3083.0	258.19
04:35	3465.0	13.57	3365.0	281.36
04:40	3745.0	13.96	3648.0	306.49
04:45	4024.0	14.33	3930.0	333.55
04:50	4305.0	14.68	4213.0	362.57
04:55	4602.0	15.03	4507.0	393.61
05:00	4908.0	15.37	4812.0	426.75
05:05	5233.0	15.72	5134.0	462.11
05:10	5631.0	16.12	5512.0	500.07
05:15	6157.0	16.61	6004.0	541.42
05:20	6854.0	17.21	6659.0	587.28
05:25	7716.0	17.93	7484.0	638.82

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	8753.0	18.73	8486.0	697.27
05:35	9740.0	19.48	9495.0	762.66
05:40	10194.0	19.89	10083.0	832.10
05:45	9888.0	19.81	9963.0	900.72
05:50	8910.0	19.23	9156.0	963.77
05:55	7695.0	18.36	8015.0	1018.97
06:00	6626.0	17.45	6923.0	1066.65
06:05	5786.0	16.63	6031.0	1108.19
06:10	5119.0	15.92	5322.0	1144.84
06:15	4534.0	15.27	4719.0	1177.34
06:20	3902.0	14.56	4112.0	1205.66
06:25	3307.0	13.78	3515.0	1229.87
06:30	2820.0	13.04	3000.0	1250.53
06:35	2436.0	12.38	2585.0	1268.33
06:40	2146.0	11.82	2264.0	1283.93
06:45	1905.0	11.34	2008.0	1297.75
06:50	1705.0	10.90	1794.0	1310.11
06:55	1540.0	10.51	1616.0	1321.24
07:00	1412.0	10.18	1472.0	1331.38
07:05	1295.0	9.88	1352.0	1340.69
07:10	1186.0	9.59	1241.0	1349.24
07:15	1090.0	9.31	1140.0	1357.09
07:20	1012.0	9.06	1054.0	1364.35
07:25	947.0	8.84	983.0	1371.12
07:30	886.0	8.64	920.0	1377.45
07:35	825.0	8.44	860.0	1383.37
07:40	761.0	8.23	798.0	1388.87
07:45	697.0	8.00	736.0	1393.94
07:50	632.0	7.75	673.0	1398.57
07:55	567.0	7.49	609.0	1402.77
08:00	505.0	7.21	546.0	1406.53
08:05	456.0	6.94	490.0	1409.90
08:10	420.0	6.71	445.0	1412.97
08:15	393.0	6.54	413.0	1415.81
08:20	375.0	6.40	389.0	1418.49
08:25	359.0	6.30	371.0	1421.05
08:30	343.0	6.21	355.0	1423.49
08:35	328.0	6.11	340.0	1425.83
08:40	313.0	6.02	325.0	1428.07
08:45	297.0	5.92	310.0	1430.21
08:50	285.0	5.82	295.0	1432.24
08:55	277.0	5.74	284.0	1434.19
09:00	271.0	5.69	276.0	1436.10
09:05	265.0	5.64	270.0	1437.95
09:10	258.0	5.60	264.0	1439.77
09:15	252.0	5.55	258.0	1441.55
09:20	246.0	5.50	251.0	1443.28
09:25	240.0	5.45	245.0	1444.97
09:30	235.0	5.41	240.0	1446.62
09:35	229.0	5.37	234.0	1448.23
09:40	223.0	5.32	228.0	1449.80
09:45	216.0	5.27	222.0	1451.33
09:50	210.0	5.22	216.0	1452.82
09:55	203.0	5.16	209.0	1454.26
10:00	196.0	5.10	203.0	1455.65
10:05	189.0	5.04	196.0	1457.00
10:10	182.0	4.98	189.0	1458.31
10:15	174.0	4.91	182.0	1459.56
10:20	167.0	4.84	174.0	1460.76
10:25	159.0	4.77	167.0	1461.91
10:30	151.0	4.69	159.0	1463.00
10:35	142.0	4.61	151.0	1464.04

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.017	0.015	0.002	2.6	0.02
00:10	0.020	0.018	0.003	7.0	0.07
00:15	0.020	0.018	0.003	13.0	0.16
00:20	0.020	0.018	0.003	21.2	0.30
00:25	0.020	0.018	0.003	27.3	0.49
00:30	0.024	0.020	0.003	31.5	0.71
00:35	0.024	0.020	0.003	34.7	0.95
00:40	0.024	0.020	0.003	37.7	1.21
00:45	0.024	0.020	0.003	40.9	1.49
00:50	0.024	0.020	0.003	42.9	1.78
00:55	0.024	0.020	0.003	44.4	2.09
01:00	0.027	0.022	0.005	47.4	2.41
01:05	0.027	0.022	0.005	51.4	2.77
01:10	0.027	0.022	0.005	56.2	3.16
01:15	0.027	0.022	0.005	61.6	3.58
01:20	0.027	0.022	0.005	65.3	4.03
01:25	0.027	0.022	0.005	67.6	4.50
01:30	0.027	0.022	0.005	69.3	4.97
01:35	0.027	0.022	0.005	70.8	5.46
01:40	0.027	0.022	0.005	72.1	5.96
01:45	0.027	0.022	0.005	72.9	6.46
01:50	0.027	0.022	0.005	73.7	6.97
01:55	0.027	0.022	0.005	74.5	7.48
02:00	0.031	0.022	0.008	79.0	8.02
02:05	0.027	0.022	0.005	81.7	8.59
02:10	0.031	0.022	0.008	87.8	9.19
02:15	0.031	0.022	0.008	96.3	9.85
02:20	0.031	0.022	0.008	100.9	10.55
02:25	0.031	0.022	0.008	108.6	11.30
02:30	0.031	0.022	0.008	114.7	12.09
02:35	0.031	0.022	0.008	118.4	12.90
02:40	0.031	0.022	0.008	121.5	13.74
02:45	0.034	0.022	0.012	126.8	14.61
02:50	0.034	0.022	0.012	134.6	15.54
02:55	0.034	0.022	0.012	143.4	16.53
03:00	0.034	0.022	0.012	154.8	17.59
03:05	0.034	0.022	0.012	162.8	18.71
03:10	0.037	0.022	0.015	170.8	19.89
03:15	0.037	0.022	0.015	180.3	21.13
03:20	0.037	0.022	0.015	190.6	22.44
03:25	0.041	0.022	0.019	206.8	23.87
03:30	0.044	0.022	0.022	224.3	25.41
03:35	0.048	0.022	0.025	246.5	27.11
03:40	0.048	0.022	0.025	274.0	29.00
03:45	0.051	0.022	0.029	305.7	31.10
03:50	0.051	0.022	0.029	335.3	33.41
03:55	0.054	0.022	0.032	361.6	35.90
04:00	0.054	0.022	0.032	387.8	38.57
04:05	0.058	0.022	0.036	414.5	41.43
04:10	0.061	0.022	0.039	444.8	44.49
04:15	0.065	0.022	0.042	476.9	47.78
04:20	0.068	0.022	0.046	514.0	51.32
04:25	0.071	0.022	0.049	556.7	55.15
04:30	0.071	0.022	0.049	597.9	59.27
04:35	0.075	0.022	0.053	639.1	63.67
04:40	0.078	0.022	0.056	678.6	68.34
04:45	0.082	0.022	0.059	716.8	73.28
04:50	0.082	0.022	0.059	755.8	78.49
04:55	0.085	0.022	0.063	796.0	83.97
05:00	0.088	0.022	0.066	836.2	89.73
05:05	0.105	0.022	0.083	889.5	95.85
05:10	0.122	0.022	0.100	969.6	102.53
05:15	0.133	0.022	0.110	1076.7	109.95
05:20	0.143	0.022	0.121	1214.6	118.31
05:25	0.160	0.022	0.138	1372.4	127.76

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.190	0.022	0.168	1551.4	138.45
05:35	0.065	0.022	0.042	1598.2	149.45
05:40	0.031	0.022	0.008	1541.7	160.07
05:45	0.020	0.018	0.003	1373.8	169.53
05:50	0.017	0.015	0.002	1031.7	176.64
05:55	0.010	0.009	0.001	746.1	181.78
06:00	0.007	0.006	0.001	578.5	185.76
06:05	0.000	0.000	0.000	473.2	189.02
06:10	0.000	0.000	0.000	395.4	191.74
06:15	0.000	0.000	0.000	319.4	193.94
06:20	0.000	0.000	0.000	277.8	195.86
06:25	0.000	0.000	0.000	245.3	197.55
06:30	0.000	0.000	0.000	212.7	199.01
06:35	0.000	0.000	0.000	176.3	200.22
06:40	0.000	0.000	0.000	136.1	201.16
06:45	0.000	0.000	0.000	123.7	202.01
06:50	0.000	0.000	0.000	118.7	202.83
06:55	0.000	0.000	0.000	114.6	203.62
07:00	0.000	0.000	0.000	110.3	204.38
07:05	0.000	0.000	0.000	105.9	205.11
07:10	0.000	0.000	0.000	101.5	205.81
07:15	0.000	0.000	0.000	97.1	206.48
07:20	0.000	0.000	0.000	92.5	207.11
07:25	0.000	0.000	0.000	87.6	207.72
07:30	0.000	0.000	0.000	82.4	208.29
07:35	0.000	0.000	0.000	77.2	208.82
07:40	0.000	0.000	0.000	71.7	209.31
07:45	0.000	0.000	0.000	65.6	209.76
07:50	0.000	0.000	0.000	58.0	210.16
07:55	0.000	0.000	0.000	49.0	210.50
08:00	0.000	0.000	0.000	39.2	210.77
08:05	0.000	0.000	0.000	28.4	210.96
08:10	0.000	0.000	0.000	15.8	211.07
08:15	0.000	0.000	0.000	4.1	211.10
08:20	0.000	0.000	0.000	1.2	211.11
08:25	0.000	0.000	0.000	0.6	211.11
08:30	0.000	0.000	0.000	0.4	211.12
08:35	0.000	0.000	0.000	0.2	211.12
08:40	0.000	0.000	0.000	0.1	211.12
08:45	0.000	0.000	0.000	0.0	211.12
08:50	0.000	0.000	0.000	0.0	211.12
08:55	0.000	0.000	0.000	0.0	211.12
09:00	0.000	0.000	0.000	0.0	211.12
09:05	0.000	0.000	0.000	0.0	211.12
09:10	0.000	0.000	0.000	0.0	211.12
09:15	0.000	0.000	0.000	0.0	211.12
09:20	0.000	0.000	0.000	0.0	211.12
09:25	0.000	0.000	0.000	0.0	211.12
09:30	0.000	0.000	0.000	0.0	211.12
09:35	0.000	0.000	0.000	0.0	211.12
09:40	0.000	0.000	0.000	0.0	211.12
09:45	0.000	0.000	0.000	0.0	211.12
09:50	0.000	0.000	0.000	0.0	211.12
09:55	0.000	0.000	0.000	0.0	211.12
10:00	0.000	0.000	0.000	0.0	211.12
10:05	0.000	0.000	0.000	0.0	211.12
10:10	0.000	0.000	0.000	0.0	211.12
10:15	0.000	0.000	0.000	0.0	211.12
10:20	0.000	0.000	0.000	0.0	211.12
10:25	0.000	0.000	0.000	0.0	211.12
10:30	0.000	0.000	0.000	0.0	211.12
10:35	0.000	0.000	0.000	0.0	211.12

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	2.6	0.07	0.0	0.00
00:10	7.0	3.20	4.2	0.03
00:15	13.0	4.63	10.6	0.10
00:20	21.2	5.80	18.6	0.23
00:25	27.3	6.59	25.6	0.41
00:30	31.5	7.06	30.4	0.62
00:35	34.7	7.38	33.9	0.85
00:40	37.7	7.64	37.0	1.10
00:45	40.9	7.89	40.2	1.38
00:50	42.9	8.07	42.4	1.67
00:55	44.4	8.19	44.0	1.98
01:00	47.4	8.39	46.8	2.30
01:05	51.4	8.65	50.5	2.65
01:10	56.2	8.96	55.2	3.03
01:15	61.6	9.30	60.5	3.44
01:20	65.3	9.54	64.6	3.89
01:25	67.6	9.69	67.1	4.35
01:30	69.3	9.80	69.0	4.83
01:35	70.8	9.89	70.5	5.31
01:40	72.1	9.96	71.8	5.81
01:45	72.9	10.01	72.7	6.31
01:50	73.7	10.05	73.5	6.81
01:55	74.5	10.10	74.4	7.32
02:00	79.0	10.30	78.2	7.86
02:05	81.7	10.46	81.2	8.42
02:10	87.8	10.74	86.7	9.02
02:15	96.3	11.13	94.9	9.67
02:20	100.9	11.38	100.2	10.36
02:25	108.6	11.70	107.4	11.10
02:30	114.7	11.97	113.8	11.89
02:35	118.4	12.14	117.9	12.70
02:40	121.5	12.27	121.0	13.53
02:45	126.8	12.47	126.0	14.40
02:50	134.6	12.76	133.4	15.32
02:55	143.4	13.09	142.2	16.30
03:00	154.8	13.49	153.3	17.35
03:05	162.8	13.78	161.7	18.47
03:10	170.8	14.05	169.8	19.64
03:15	180.3	14.35	179.1	20.87
03:20	190.6	14.67	189.3	22.17
03:25	206.8	15.14	204.8	23.58
03:30	224.3	15.65	222.2	25.11
03:35	246.5	16.24	243.9	26.79
03:40	274.0	16.94	271.0	28.66
03:45	305.7	17.70	302.3	30.74
03:50	335.3	18.38	332.3	33.03
03:55	361.6	18.96	359.0	35.50
04:00	387.8	19.50	385.3	38.16
04:05	414.5	20.03	412.0	40.99
04:10	444.8	20.60	442.0	44.04
04:15	476.9	21.19	474.1	47.30
04:20	514.0	21.83	510.9	50.82
04:25	556.7	22.53	553.1	54.63
04:30	597.9	23.19	594.6	58.73
04:35	639.1	23.83	635.9	63.11
04:40	678.6	24.41	675.6	67.76
04:45	716.8	24.95	713.9	72.68
04:50	755.8	25.49	753.0	77.86
04:55	796.0	26.03	793.1	83.32
05:00	836.2	26.55	833.4	89.06
05:05	889.5	27.21	885.9	95.16
05:10	969.6	28.14	964.3	101.81
05:15	1076.7	29.34	1069.9	109.17
05:20	1214.6	30.78	1206.3	117.48
05:25	1372.4	32.32	1363.3	126.87

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	1551.4	33.95	1541.6	137.49
05:35	1598.2	34.42	1595.7	148.48
05:40	1541.7	33.98	1544.8	159.12
05:45	1373.8	32.51	1383.4	168.64
05:50	1031.7	29.16	1053.6	175.90
05:55	746.1	25.68	766.9	181.18
06:00	578.5	23.15	592.0	185.26
06:05	473.2	21.33	482.3	188.58
06:10	395.4	19.85	402.7	191.35
06:15	319.4	18.26	327.1	193.61
06:20	277.8	17.22	282.3	195.55
06:25	245.3	16.37	249.0	197.27
06:30	212.7	15.49	216.6	198.76
06:35	176.3	14.41	181.0	200.00
06:40	136.1	13.07	141.8	200.98
06:45	123.7	12.45	125.6	201.85
06:50	118.7	12.21	119.5	202.67
06:55	114.6	12.03	115.2	203.46
07:00	110.3	11.85	111.0	204.23
07:05	105.9	11.66	106.6	204.96
07:10	101.5	11.47	102.2	205.67
07:15	97.1	11.27	97.9	206.34
07:20	92.5	11.06	93.3	206.98
07:25	87.6	10.82	88.4	207.59
07:30	82.4	10.57	83.3	208.16
07:35	77.2	10.30	78.1	208.70
07:40	71.7	10.01	72.7	209.20
07:45	65.6	9.67	66.7	209.66
07:50	58.0	9.24	59.5	210.07
07:55	49.0	8.68	51.0	210.42
08:00	39.2	8.00	41.5	210.71
08:05	28.4	7.14	31.2	210.92
08:10	15.8	5.94	19.7	211.06
08:15	4.1	4.33	9.0	211.12
08:20	1.2	2.81	3.0	211.14
08:25	0.6	1.95	1.2	211.15
08:30	0.4	1.55	0.7	211.16
08:35	0.2	1.31	0.4	211.16
08:40	0.1	1.09	0.3	211.16
08:45	0.0	0.90	0.2	211.16
08:50	0.0	0.73	0.1	211.16
08:55	0.0	0.58	0.1	211.16
09:00	0.0	0.47	0.0	211.16
09:05	0.0	0.39	0.0	211.16
09:10	0.0	0.33	0.0	211.16
09:15	0.0	0.30	0.0	211.16
09:20	0.0	0.26	0.0	211.16
09:25	0.0	0.24	0.0	211.16
09:30	0.0	0.21	0.0	211.16
09:35	0.0	0.20	0.0	211.16
09:40	0.0	0.18	0.0	211.16
09:45	0.0	0.17	0.0	211.16
09:50	0.0	0.16	0.0	211.16
09:55	0.0	0.15	0.0	211.16
10:00	0.0	0.14	0.0	211.16
10:05	0.0	0.13	0.0	211.16
10:10	0.0	0.13	0.0	211.16
10:15	0.0	0.12	0.0	211.16
10:20	0.0	0.11	0.0	211.16
10:25	0.0	0.11	0.0	211.16
10:30	0.0	0.10	0.0	211.16
10:35	0.0	0.10	0.0	211.16

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	4.2	0.00	0.03
00:15	10.6	0.25	0.10
00:20	18.6	2.04	0.23
00:25	25.6	3.92	0.41
00:30	30.4	4.65	0.62
00:35	33.9	4.97	0.85
00:40	37.0	5.16	1.10
00:45	40.2	5.31	1.38
00:50	42.4	5.44	1.67
00:55	44.0	5.53	1.98
01:00	46.8	5.60	2.30
01:05	50.5	5.71	2.65
01:10	55.2	5.84	3.03
01:15	60.5	6.00	3.44
01:20	64.6	6.17	3.89
01:25	67.1	6.29	4.35
01:30	69.0	6.36	4.83
01:35	70.5	6.42	5.31
01:40	71.8	6.46	5.81
01:45	72.7	6.49	6.31
01:50	73.5	6.52	6.81
01:55	74.4	6.54	7.32
02:00	78.2	6.57	7.86
02:05	81.2	6.67	8.42
02:10	86.7	6.76	9.02
02:15	94.9	6.90	9.67
02:20	100.2	7.08	10.36
02:25	107.4	7.20	11.10
02:30	113.8	7.35	11.89
02:35	117.9	7.47	12.70
02:40	121.0	7.55	13.53
02:45	126.0	7.62	14.40
02:50	133.4	7.72	15.32
02:55	142.2	7.86	16.30
03:00	153.3	8.02	17.35
03:05	161.7	8.19	18.47
03:10	169.8	8.32	19.64
03:15	179.1	8.45	20.87
03:20	189.3	8.59	22.17
03:25	204.8	8.76	23.58
03:30	222.2	8.98	25.11
03:35	243.9	9.21	26.79
03:40	271.0	9.49	28.66
03:45	302.3	9.81	30.74
03:50	332.3	10.13	33.03
03:55	359.0	10.40	35.50
04:00	385.3	10.64	38.16
04:05	412.0	10.86	40.99
04:10	442.0	11.09	44.04
04:15	474.1	11.33	47.30
04:20	510.9	11.58	50.82
04:25	553.1	11.86	54.63
04:30	594.6	12.13	58.73
04:35	635.9	12.39	63.11
04:40	675.6	12.63	67.76
04:45	713.9	12.86	72.68
04:50	753.0	13.07	77.86
04:55	793.1	13.28	83.32
05:00	833.4	13.48	89.06
05:05	885.9	13.71	95.16
05:10	964.3	14.03	101.81
05:15	1069.9	14.45	109.17
05:20	1206.3	14.96	117.48
05:25	1363.3	15.53	126.87

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	1541.6	16.12	137.49
05:35	1595.7	16.44	148.48
05:40	1544.8	16.39	159.12
05:45	1383.4	16.00	168.64
05:50	1053.6	15.07	175.90
05:55	766.9	13.83	181.18
06:00	592.0	12.72	185.26
06:05	482.3	11.88	188.58
06:10	402.7	11.23	191.35
06:15	327.1	10.61	193.61
06:20	282.3	10.06	195.55
06:25	249.0	9.66	197.27
06:30	216.6	9.29	198.76
06:35	181.0	8.89	200.00
06:40	141.8	8.39	200.98
06:45	125.6	7.89	201.85
06:50	119.5	7.65	202.67
06:55	115.2	7.55	203.46
07:00	111.0	7.46	204.23
07:05	106.6	7.38	204.96
07:10	102.2	7.29	205.67
07:15	97.9	7.20	206.34
07:20	93.3	7.11	206.98
07:25	88.4	7.00	207.59
07:30	83.3	6.89	208.16
07:35	78.1	6.77	208.70
07:40	72.7	6.64	209.20
07:45	66.7	6.50	209.66
07:50	59.5	6.33	210.07
07:55	51.0	6.12	210.42
08:00	41.5	5.85	210.71
08:05	31.2	5.52	210.92
08:10	19.7	5.11	211.06
08:15	9.0	4.58	211.12
08:20	3.0	3.92	211.14
08:25	1.2	3.26	211.15
08:30	0.7	2.68	211.16
08:35	0.4	2.25	211.16
08:40	0.3	1.94	211.16
08:45	0.2	1.72	211.16
08:50	0.1	1.56	211.16
08:55	0.1	1.42	211.16
09:00	0.0	1.30	211.16
09:05	0.0	1.18	211.16
09:10	0.0	1.09	211.16
09:15	0.0	1.00	211.16
09:20	0.0	0.93	211.16
09:25	0.0	0.86	211.16
09:30	0.0	0.80	211.16
09:35	0.0	0.74	211.16
09:40	0.0	0.70	211.16
09:45	0.0	0.65	211.16
09:50	0.0	0.62	211.16
09:55	0.0	0.59	211.16
10:00	0.0	0.55	211.16
10:05	0.0	0.53	211.16
10:10	0.0	0.51	211.16
10:15	0.0	0.48	211.16
10:20	0.0	0.46	211.16
10:25	0.0	0.44	211.16
10:30	0.0	0.43	211.16
10:35	0.0	0.41	211.16

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.009	0.007	4.9	0.03
00:10	0.019	0.009	0.010	10.5	0.11
00:15	0.019	0.009	0.010	13.2	0.20
00:20	0.019	0.009	0.010	14.3	0.30
00:25	0.019	0.009	0.010	14.8	0.40
00:30	0.022	0.009	0.013	17.5	0.52
00:35	0.022	0.009	0.013	19.4	0.65
00:40	0.022	0.009	0.013	20.3	0.79
00:45	0.022	0.009	0.013	20.8	0.93
00:50	0.022	0.009	0.013	21.0	1.08
00:55	0.022	0.009	0.013	21.1	1.22
01:00	0.026	0.009	0.016	23.5	1.39
01:05	0.026	0.009	0.016	25.2	1.56
01:10	0.026	0.009	0.016	25.8	1.74
01:15	0.026	0.009	0.016	26.1	1.92
01:20	0.026	0.009	0.016	26.2	2.10
01:25	0.026	0.009	0.016	26.3	2.28
01:30	0.026	0.009	0.016	26.4	2.46
01:35	0.026	0.009	0.016	26.5	2.64
01:40	0.026	0.009	0.016	26.6	2.83
01:45	0.026	0.009	0.016	26.6	3.01
01:50	0.026	0.009	0.016	26.6	3.19
01:55	0.026	0.009	0.016	26.6	3.38
02:00	0.029	0.009	0.019	29.0	3.58
02:05	0.026	0.009	0.016	28.2	3.77
02:10	0.029	0.009	0.019	29.5	3.97
02:15	0.029	0.009	0.019	30.8	4.19
02:20	0.029	0.009	0.019	31.1	4.40
02:25	0.029	0.009	0.019	31.4	4.62
02:30	0.029	0.009	0.019	31.6	4.83
02:35	0.029	0.009	0.019	31.7	5.05
02:40	0.029	0.009	0.019	31.7	5.27
02:45	0.032	0.009	0.023	34.1	5.50
02:50	0.032	0.009	0.023	35.8	5.75
02:55	0.032	0.009	0.023	36.3	6.00
03:00	0.032	0.009	0.023	36.6	6.25
03:05	0.032	0.009	0.023	36.7	6.51
03:10	0.035	0.009	0.026	39.1	6.77
03:15	0.035	0.009	0.026	40.8	7.06
03:20	0.035	0.009	0.026	41.4	7.34
03:25	0.038	0.009	0.029	44.2	7.65
03:30	0.042	0.009	0.032	48.2	7.98
03:35	0.045	0.009	0.035	52.7	8.34
03:40	0.045	0.009	0.035	55.2	8.72
03:45	0.048	0.009	0.039	58.6	9.12
03:50	0.048	0.009	0.039	60.8	9.54
03:55	0.051	0.009	0.042	64.0	9.98
04:00	0.051	0.009	0.042	66.1	10.44
04:05	0.054	0.009	0.045	69.4	10.92
04:10	0.058	0.009	0.048	73.9	11.43
04:15	0.061	0.009	0.051	78.6	11.97
04:20	0.064	0.009	0.055	83.6	12.54
04:25	0.067	0.009	0.058	88.6	13.15
04:30	0.067	0.009	0.058	91.3	13.78
04:35	0.070	0.009	0.061	94.9	14.44
04:40	0.074	0.009	0.064	99.5	15.12
04:45	0.077	0.009	0.067	104.5	15.84
04:50	0.077	0.009	0.067	107.2	16.58
04:55	0.080	0.009	0.071	110.8	17.34
05:00	0.083	0.009	0.074	115.4	18.14
05:05	0.099	0.009	0.090	129.7	19.03
05:10	0.115	0.009	0.106	150.4	20.07
05:15	0.125	0.009	0.115	168.6	21.23
05:20	0.134	0.009	0.125	184.9	22.50
05:25	0.150	0.009	0.141	205.2	23.91

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.009	0.170	238.0	25.55
05:35	0.061	0.009	0.051	169.9	26.72
05:40	0.029	0.009	0.019	96.4	27.39
05:45	0.019	0.009	0.010	58.9	27.79
05:50	0.016	0.009	0.007	38.1	28.05
05:55	0.010	0.006	0.004	28.1	28.25
06:00	0.006	0.004	0.003	21.1	28.39
06:05	0.000	0.000	0.000	13.8	28.49
06:10	0.000	0.000	0.000	7.3	28.54
06:15	0.000	0.000	0.000	2.6	28.56
06:20	0.000	0.000	0.000	1.2	28.56
06:25	0.000	0.000	0.000	0.6	28.57
06:30	0.000	0.000	0.000	0.4	28.57
06:35	0.000	0.000	0.000	0.2	28.57
06:40	0.000	0.000	0.000	0.1	28.57
06:45	0.000	0.000	0.000	0.0	28.57
06:50	0.000	0.000	0.000	0.0	28.57
06:55	0.000	0.000	0.000	0.0	28.57
07:00	0.000	0.000	0.000	0.0	28.57
07:05	0.000	0.000	0.000	0.0	28.57
07:10	0.000	0.000	0.000	0.0	28.57
07:15	0.000	0.000	0.000	0.0	28.57
07:20	0.000	0.000	0.000	0.0	28.57
07:25	0.000	0.000	0.000	0.0	28.57
07:30	0.000	0.000	0.000	0.0	28.57
07:35	0.000	0.000	0.000	0.0	28.57
07:40	0.000	0.000	0.000	0.0	28.57
07:45	0.000	0.000	0.000	0.0	28.57
07:50	0.000	0.000	0.000	0.0	28.57
07:55	0.000	0.000	0.000	0.0	28.57
08:00	0.000	0.000	0.000	0.0	28.57
08:05	0.000	0.000	0.000	0.0	28.57
08:10	0.000	0.000	0.000	0.0	28.57
08:15	0.000	0.000	0.000	0.0	28.57
08:20	0.000	0.000	0.000	0.0	28.57
08:25	0.000	0.000	0.000	0.0	28.57
08:30	0.000	0.000	0.000	0.0	28.57
08:35	0.000	0.000	0.000	0.0	28.57
08:40	0.000	0.000	0.000	0.0	28.57
08:45	0.000	0.000	0.000	0.0	28.57
08:50	0.000	0.000	0.000	0.0	28.57
08:55	0.000	0.000	0.000	0.0	28.57
09:00	0.000	0.000	0.000	0.0	28.57
09:05	0.000	0.000	0.000	0.0	28.57
09:10	0.000	0.000	0.000	0.0	28.57
09:15	0.000	0.000	0.000	0.0	28.57
09:20	0.000	0.000	0.000	0.0	28.57
09:25	0.000	0.000	0.000	0.0	28.57
09:30	0.000	0.000	0.000	0.0	28.57
09:35	0.000	0.000	0.000	0.0	28.57
09:40	0.000	0.000	0.000	0.0	28.57
09:45	0.000	0.000	0.000	0.0	28.57
09:50	0.000	0.000	0.000	0.0	28.57
09:55	0.000	0.000	0.000	0.0	28.57
10:00	0.000	0.000	0.000	0.0	28.57
10:05	0.000	0.000	0.000	0.0	28.57
10:10	0.000	0.000	0.000	0.0	28.57
10:15	0.000	0.000	0.000	0.0	28.57
10:20	0.000	0.000	0.000	0.0	28.57
10:25	0.000	0.000	0.000	0.0	28.57
10:30	0.000	0.000	0.000	0.0	28.57
10:35	0.000	0.000	0.000	0.0	28.57

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	4.9	4.9	0.03
00:10	10.5	10.5	0.11
00:15	13.2	13.2	0.20
00:20	15.9	15.9	0.31
00:25	28.3	28.3	0.50
00:30	41.2	41.2	0.79
00:35	48.9	48.9	1.12
00:40	53.7	53.7	1.49
00:45	57.5	57.5	1.89
00:50	60.9	60.9	2.31
00:55	63.4	63.4	2.74
01:00	67.6	67.6	3.21
01:05	72.0	72.0	3.71
01:10	76.4	76.4	4.23
01:15	81.5	81.5	4.79
01:20	86.9	86.9	5.39
01:25	91.0	91.0	6.02
01:30	93.7	93.7	6.66
01:35	95.6	95.6	7.32
01:40	97.2	97.2	7.99
01:45	98.5	98.5	8.67
01:50	99.4	99.4	9.35
01:55	100.2	100.2	10.04
02:00	103.8	103.8	10.76
02:05	106.7	106.7	11.49
02:10	111.5	111.5	12.26
02:15	118.8	118.8	13.08
02:20	126.9	126.9	13.95
02:25	133.0	133.0	14.87
02:30	140.3	140.3	15.84
02:35	146.3	146.3	16.84
02:40	150.3	150.3	17.88
02:45	156.3	156.3	18.96
02:50	163.6	163.6	20.08
02:55	172.0	172.0	21.27
03:00	181.8	181.8	22.52
03:05	192.4	192.4	23.84
03:10	203.3	203.3	25.24
03:15	213.5	213.5	26.71
03:20	223.8	223.8	28.26
03:25	238.7	238.7	29.90
03:30	259.1	259.1	31.68
03:35	283.0	283.0	33.63
03:40	309.6	309.6	35.77
03:45	342.4	342.4	38.12
03:50	375.9	375.9	40.71
03:55	408.0	408.0	43.52
04:00	437.1	437.1	46.53
04:05	467.1	467.1	49.75
04:10	500.2	500.2	53.19
04:15	536.2	536.2	56.89
04:20	576.0	576.0	60.85
04:25	621.0	621.0	65.13
04:30	666.0	666.0	69.72
04:35	711.3	711.3	74.62
04:40	756.8	756.8	79.83
04:45	801.0	801.0	85.35
04:50	842.8	842.8	91.15
04:55	886.3	886.3	97.25
05:00	931.4	931.4	103.67
05:05	993.3	993.3	110.51
05:10	1082.2	1082.2	117.96
05:15	1196.0	1196.0	126.20
05:20	1338.1	1338.1	135.41
05:25	1509.7	1509.7	145.81

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	1715.2	1715.2	157.62
05:35	1746.4	1746.4	169.65
05:40	1659.3	1659.3	181.08
05:45	1501.2	1501.2	191.42
05:50	1219.9	1219.9	199.82
05:55	915.1	915.1	206.12
06:00	692.8	692.8	210.89
06:05	549.7	549.7	214.68
06:10	451.1	451.1	217.79
06:15	371.1	371.1	220.34
06:20	309.4	309.4	222.47
06:25	269.7	269.7	224.33
06:30	237.2	237.2	225.96
06:35	204.4	204.4	227.37
06:40	168.9	168.9	228.54
06:45	137.6	137.6	229.48
06:50	124.1	124.1	230.34
06:55	118.5	118.5	231.15
07:00	114.3	114.3	231.94
07:05	110.1	110.1	232.70
07:10	105.7	105.7	233.43
07:15	101.4	101.4	234.13
07:20	97.0	97.0	234.79
07:25	92.5	92.5	235.43
07:30	87.6	87.6	236.03
07:35	82.6	82.6	236.60
07:40	77.5	77.5	237.14
07:45	72.1	72.1	237.63
07:50	66.1	66.1	238.09
07:55	59.0	59.0	238.49
08:00	50.8	50.8	238.84
08:05	41.9	41.9	239.13
08:10	32.4	32.4	239.36
08:15	22.5	22.5	239.51
08:20	13.5	13.5	239.60
08:25	7.3	7.3	239.65
08:30	3.8	3.8	239.68
08:35	2.1	2.1	239.69
08:40	1.3	1.3	239.70
08:45	0.9	0.9	239.71
08:50	0.6	0.6	239.71
08:55	0.5	0.5	239.72
09:00	0.3	0.3	239.72
09:05	0.3	0.3	239.72
09:10	0.2	0.2	239.72
09:15	0.1	0.1	239.72
09:20	0.1	0.1	239.72
09:25	0.1	0.1	239.73
09:30	0.1	0.1	239.73
09:35	0.1	0.1	239.73
09:40	0.0	0.0	239.73
09:45	0.0	0.0	239.73
09:50	0.0	0.0	239.73
09:55	0.0	0.0	239.73
10:00	0.0	0.0	239.73
10:05	0.0	0.0	239.73
10:10	0.0	0.0	239.73
10:15	0.0	0.0	239.73
10:20	0.0	0.0	239.73
10:25	0.0	0.0	239.73
10:30	0.0	0.0	239.73
10:35	0.0	0.0	239.73

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	4.9	8.43	3.0	0.02
00:10	10.5	10.44	8.8	0.08
00:15	13.2	11.18	12.4	0.17
00:20	15.9	11.63	15.1	0.27
00:25	28.3	12.88	25.2	0.44
00:30	41.2	14.00	38.2	0.71
00:35	48.9	14.60	47.2	1.03
00:40	53.7	14.93	52.7	1.40
00:45	57.5	15.15	56.7	1.79
00:50	60.9	15.33	60.2	2.20
00:55	63.4	15.46	62.8	2.63
01:00	67.6	15.65	66.7	3.09
01:05	72.0	15.85	71.1	3.58
01:10	76.4	16.04	75.5	4.10
01:15	81.5	16.25	80.5	4.66
01:20	86.9	16.46	85.8	5.25
01:25	91.0	16.62	90.2	5.87
01:30	93.7	16.73	93.1	6.51
01:35	95.6	16.80	95.3	7.17
01:40	97.2	16.86	96.9	7.83
01:45	98.5	16.91	98.3	8.51
01:50	99.4	16.94	99.2	9.19
01:55	100.2	16.97	100.1	9.88
02:00	103.8	17.07	103.1	10.59
02:05	106.7	17.17	106.2	11.32
02:10	111.5	17.31	110.6	12.09
02:15	118.8	17.52	117.5	12.90
02:20	126.9	17.75	125.5	13.76
02:25	133.0	17.93	131.9	14.67
02:30	140.3	18.12	139.0	15.63
02:35	146.3	18.28	145.3	16.63
02:40	150.3	18.39	149.6	17.66
02:45	156.3	18.53	155.3	18.73
02:50	163.6	18.69	162.3	19.84
02:55	172.0	18.88	170.6	21.02
03:00	181.8	19.09	180.2	22.26
03:05	192.4	19.30	190.6	23.57
03:10	203.3	19.52	201.5	24.96
03:15	213.5	19.72	211.8	26.42
03:20	223.8	19.90	222.2	27.95
03:25	238.7	20.15	236.3	29.58
03:30	259.1	20.48	255.9	31.34
03:35	283.0	20.84	279.3	33.26
03:40	309.6	21.21	305.6	35.37
03:45	342.4	21.64	337.5	37.69
03:50	375.9	22.05	371.0	40.25
03:55	408.0	22.43	403.4	43.02
04:00	437.1	22.75	433.0	46.01
04:05	467.1	23.05	463.0	49.20
04:10	500.2	23.37	495.7	52.61
04:15	536.2	23.70	531.4	56.27
04:20	576.0	24.04	570.7	60.20
04:25	621.0	24.40	615.1	64.44
04:30	666.0	24.75	660.2	68.98
04:35	711.3	25.08	705.6	73.84
04:40	756.8	25.39	751.1	79.02
04:45	801.0	25.69	795.5	84.49
04:50	842.8	25.95	837.6	90.26
04:55	886.3	26.22	881.0	96.33
05:00	931.4	26.48	926.0	102.71
05:05	993.3	26.81	985.9	109.50
05:10	1082.2	27.27	1071.8	116.88
05:15	1196.0	27.81	1182.9	125.03
05:20	1338.1	28.44	1322.2	134.13
05:25	1509.7	29.13	1490.9	144.40

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	1715.2	29.88	1693.1	156.06
05:35	1746.4	30.05	1743.0	168.06
05:40	1659.3	29.79	1668.6	179.56
05:45	1501.2	29.23	1518.5	190.01
05:50	1219.9	28.13	1251.9	198.64
05:55	915.1	26.63	951.7	205.19
06:00	692.8	25.19	721.1	210.16
06:05	549.7	24.02	568.7	214.07
06:10	451.1	23.07	464.8	217.27
06:15	371.1	22.19	382.6	219.91
06:20	309.4	21.39	318.6	222.10
06:25	269.7	20.78	275.8	224.00
06:30	237.2	20.25	242.3	225.67
06:35	204.4	19.68	209.7	227.12
06:40	168.9	18.97	174.9	228.32
06:45	137.6	18.23	143.1	229.31
06:50	124.1	17.78	126.6	230.18
06:55	118.5	17.58	119.5	231.00
07:00	114.3	17.45	115.1	231.79
07:05	110.1	17.32	110.9	232.56
07:10	105.7	17.18	106.5	233.29
07:15	101.4	17.04	102.2	233.99
07:20	97.0	16.89	97.8	234.67
07:25	92.5	16.73	93.3	235.31
07:30	87.6	16.56	88.6	235.92
07:35	82.6	16.37	83.6	236.50
07:40	77.5	16.16	78.5	237.04
07:45	72.1	15.94	73.1	237.54
07:50	66.1	15.68	67.3	238.00
07:55	59.0	15.34	60.5	238.42
08:00	50.8	14.92	52.5	238.78
08:05	41.9	14.39	43.9	239.08
08:10	32.4	13.73	34.6	239.32
08:15	22.5	12.85	24.9	239.49
08:20	13.5	11.75	15.9	239.60
08:25	7.3	10.52	9.2	239.67
08:30	3.8	9.31	5.0	239.70
08:35	2.1	8.27	2.8	239.72
08:40	1.3	7.46	1.6	239.73
08:45	0.9	6.85	1.1	239.74
08:50	0.6	6.38	0.8	239.75
08:55	0.5	5.99	0.6	239.75
09:00	0.3	5.65	0.4	239.75
09:05	0.3	5.33	0.3	239.75
09:10	0.2	5.03	0.2	239.76
09:15	0.1	4.74	0.2	239.76
09:20	0.1	4.48	0.1	239.76
09:25	0.1	4.25	0.1	239.76
09:30	0.1	4.04	0.1	239.76
09:35	0.1	3.86	0.1	239.76
09:40	0.0	3.68	0.1	239.76
09:45	0.0	3.53	0.0	239.76
09:50	0.0	3.37	0.0	239.76
09:55	0.0	3.26	0.0	239.76
10:00	0.0	3.15	0.0	239.76
10:05	0.0	3.03	0.0	239.76
10:10	0.0	2.93	0.0	239.76
10:15	0.0	2.85	0.0	239.76
10:20	0.0	2.76	0.0	239.76
10:25	0.0	2.67	0.0	239.76
10:30	0.0	2.60	0.0	239.76
10:35	0.0	2.54	0.0	239.76

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.011	0.005	0.7	0.00
00:10	0.019	0.013	0.007	1.0	0.01
00:15	0.019	0.013	0.007	1.1	0.02
00:20	0.019	0.013	0.007	1.1	0.03
00:25	0.019	0.013	0.007	1.1	0.03
00:30	0.022	0.013	0.010	1.6	0.05
00:35	0.022	0.013	0.010	1.6	0.06
00:40	0.022	0.013	0.010	1.7	0.07
00:45	0.022	0.013	0.010	1.7	0.08
00:50	0.022	0.013	0.010	1.7	0.09
00:55	0.022	0.013	0.010	1.7	0.10
01:00	0.026	0.013	0.013	2.1	0.12
01:05	0.026	0.013	0.013	2.2	0.13
01:10	0.026	0.013	0.013	2.2	0.15
01:15	0.026	0.013	0.013	2.2	0.16
01:20	0.026	0.013	0.013	2.2	0.18
01:25	0.026	0.013	0.013	2.2	0.19
01:30	0.026	0.013	0.013	2.2	0.21
01:35	0.026	0.013	0.013	2.2	0.23
01:40	0.026	0.013	0.013	2.2	0.24
01:45	0.026	0.013	0.013	2.2	0.26
01:50	0.026	0.013	0.013	2.2	0.27
01:55	0.026	0.013	0.013	2.2	0.29
02:00	0.029	0.013	0.016	2.7	0.31
02:05	0.026	0.013	0.013	2.3	0.32
02:10	0.029	0.013	0.016	2.7	0.34
02:15	0.029	0.013	0.016	2.8	0.36
02:20	0.029	0.013	0.016	2.8	0.38
02:25	0.029	0.013	0.016	2.8	0.40
02:30	0.029	0.013	0.016	2.8	0.42
02:35	0.029	0.013	0.016	2.8	0.44
02:40	0.029	0.013	0.016	2.8	0.46
02:45	0.032	0.013	0.019	3.2	0.48
02:50	0.032	0.013	0.019	3.3	0.50
02:55	0.032	0.013	0.019	3.3	0.52
03:00	0.032	0.013	0.019	3.4	0.55
03:05	0.032	0.013	0.019	3.4	0.57
03:10	0.035	0.013	0.023	3.8	0.60
03:15	0.035	0.013	0.023	3.9	0.62
03:20	0.035	0.013	0.023	3.9	0.65
03:25	0.038	0.013	0.026	4.3	0.68
03:30	0.042	0.013	0.029	4.9	0.71
03:35	0.045	0.013	0.032	5.4	0.75
03:40	0.045	0.013	0.032	5.5	0.79
03:45	0.048	0.013	0.035	6.0	0.83
03:50	0.048	0.013	0.035	6.1	0.87
03:55	0.051	0.013	0.039	6.5	0.92
04:00	0.051	0.013	0.039	6.6	0.96
04:05	0.054	0.013	0.042	7.1	1.01
04:10	0.058	0.013	0.045	7.6	1.06
04:15	0.061	0.013	0.048	8.2	1.12
04:20	0.064	0.013	0.051	8.7	1.18
04:25	0.067	0.013	0.055	9.3	1.24
04:30	0.067	0.013	0.055	9.4	1.31
04:35	0.070	0.013	0.058	9.9	1.38
04:40	0.074	0.013	0.061	10.4	1.45
04:45	0.077	0.013	0.064	10.9	1.52
04:50	0.077	0.013	0.064	11.1	1.60
04:55	0.080	0.013	0.067	11.5	1.68
05:00	0.083	0.013	0.071	12.1	1.76
05:05	0.099	0.013	0.087	14.3	1.86
05:10	0.115	0.013	0.103	16.9	1.98
05:15	0.125	0.013	0.112	18.7	2.11
05:20	0.134	0.013	0.122	20.5	2.25
05:25	0.150	0.013	0.138	23.1	2.41

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.013	0.167	27.5	2.60
05:35	0.061	0.013	0.048	12.3	2.68
05:40	0.029	0.013	0.016	5.6	2.72
05:45	0.019	0.013	0.007	2.8	2.74
05:50	0.016	0.011	0.005	1.3	2.75
05:55	0.010	0.007	0.003	0.7	2.75
06:00	0.006	0.004	0.002	0.4	2.75
06:05	0.000	0.000	0.000	0.1	2.76
06:10	0.000	0.000	0.000	0.0	2.76
06:15	0.000	0.000	0.000	0.0	2.76
06:20	0.000	0.000	0.000	0.0	2.76
06:25	0.000	0.000	0.000	0.0	2.76
06:30	0.000	0.000	0.000	0.0	2.76
06:35	0.000	0.000	0.000	0.0	2.76
06:40	0.000	0.000	0.000	0.0	2.76
06:45	0.000	0.000	0.000	0.0	2.76
06:50	0.000	0.000	0.000	0.0	2.76
06:55	0.000	0.000	0.000	0.0	2.76
07:00	0.000	0.000	0.000	0.0	2.76
07:05	0.000	0.000	0.000	0.0	2.76
07:10	0.000	0.000	0.000	0.0	2.76
07:15	0.000	0.000	0.000	0.0	2.76
07:20	0.000	0.000	0.000	0.0	2.76
07:25	0.000	0.000	0.000	0.0	2.76
07:30	0.000	0.000	0.000	0.0	2.76
07:35	0.000	0.000	0.000	0.0	2.76
07:40	0.000	0.000	0.000	0.0	2.76
07:45	0.000	0.000	0.000	0.0	2.76
07:50	0.000	0.000	0.000	0.0	2.76
07:55	0.000	0.000	0.000	0.0	2.76
08:00	0.000	0.000	0.000	0.0	2.76
08:05	0.000	0.000	0.000	0.0	2.76
08:10	0.000	0.000	0.000	0.0	2.76
08:15	0.000	0.000	0.000	0.0	2.76
08:20	0.000	0.000	0.000	0.0	2.76
08:25	0.000	0.000	0.000	0.0	2.76
08:30	0.000	0.000	0.000	0.0	2.76
08:35	0.000	0.000	0.000	0.0	2.76
08:40	0.000	0.000	0.000	0.0	2.76
08:45	0.000	0.000	0.000	0.0	2.76
08:50	0.000	0.000	0.000	0.0	2.76
08:55	0.000	0.000	0.000	0.0	2.76
09:00	0.000	0.000	0.000	0.0	2.76
09:05	0.000	0.000	0.000	0.0	2.76
09:10	0.000	0.000	0.000	0.0	2.76
09:15	0.000	0.000	0.000	0.0	2.76
09:20	0.000	0.000	0.000	0.0	2.76
09:25	0.000	0.000	0.000	0.0	2.76
09:30	0.000	0.000	0.000	0.0	2.76
09:35	0.000	0.000	0.000	0.0	2.76
09:40	0.000	0.000	0.000	0.0	2.76
09:45	0.000	0.000	0.000	0.0	2.76
09:50	0.000	0.000	0.000	0.0	2.76
09:55	0.000	0.000	0.000	0.0	2.76
10:00	0.000	0.000	0.000	0.0	2.76
10:05	0.000	0.000	0.000	0.0	2.76
10:10	0.000	0.000	0.000	0.0	2.76
10:15	0.000	0.000	0.000	0.0	2.76
10:20	0.000	0.000	0.000	0.0	2.76
10:25	0.000	0.000	0.000	0.0	2.76
10:30	0.000	0.000	0.000	0.0	2.76
10:35	0.000	0.000	0.000	0.0	2.76

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	3.7	7.58	1.8	0.01
00:10	9.8	10.12	7.6	0.06
00:15	13.5	11.15	12.3	0.15
00:20	16.2	11.67	15.4	0.26
00:25	26.3	12.69	23.4	0.42
00:30	39.8	13.84	36.2	0.67
00:35	48.9	14.56	46.6	0.99
00:40	54.4	14.94	53.0	1.35
00:45	58.4	15.18	57.4	1.75
00:50	61.9	15.37	61.0	2.17
00:55	64.5	15.51	63.9	2.61
01:00	68.8	15.70	67.8	3.07
01:05	73.3	15.90	72.2	3.57
01:10	77.8	16.09	76.7	4.10
01:15	82.8	16.29	81.6	4.66
01:20	88.1	16.50	86.9	5.26
01:25	92.4	16.67	91.4	5.89
01:30	95.4	16.78	94.7	6.54
01:35	97.5	16.87	97.0	7.21
01:40	99.2	16.93	98.8	7.89
01:45	100.5	16.97	100.2	8.58
01:50	101.5	17.01	101.3	9.28
01:55	102.3	17.04	102.1	9.98
02:00	105.8	17.13	105.0	10.70
02:05	108.5	17.23	107.9	11.45
02:10	113.3	17.36	112.3	12.22
02:15	120.3	17.56	118.8	13.04
02:20	128.2	17.79	126.6	13.91
02:25	134.7	17.97	133.4	14.83
02:30	141.8	18.16	140.3	15.80
02:35	148.1	18.32	146.8	16.81
02:40	152.4	18.44	151.5	17.85
02:45	158.5	18.58	157.3	18.93
02:50	165.6	18.74	164.2	20.06
02:55	173.9	18.92	172.3	21.25
03:00	183.5	19.12	181.6	22.50
03:05	194.0	19.33	191.9	23.82
03:10	205.3	19.55	203.1	25.22
03:15	215.7	19.75	213.7	26.69
03:20	226.0	19.94	224.1	28.24
03:25	240.6	20.18	238.0	29.88
03:30	260.8	20.49	257.1	31.65
03:35	284.7	20.85	280.4	33.58
03:40	311.1	21.23	306.4	35.69
03:45	343.5	21.65	337.9	38.02
03:50	377.1	22.06	371.4	40.57
03:55	410.0	22.44	404.5	43.36
04:00	439.6	22.76	434.8	46.35
04:05	470.1	23.07	465.1	49.56
04:10	503.3	23.39	498.0	52.99
04:15	539.5	23.72	533.8	56.66
04:20	579.4	24.06	573.2	60.61
04:25	624.4	24.42	617.5	64.86
04:30	669.6	24.77	662.8	69.43
04:35	715.4	25.10	708.6	74.31
04:40	761.5	25.42	754.7	79.51
04:45	806.4	25.72	799.9	85.02
04:50	848.7	25.99	842.6	90.82
04:55	892.5	26.25	886.3	96.92
05:00	938.0	26.51	931.6	103.34
05:05	1000.2	26.85	991.6	110.17
05:10	1088.7	27.29	1076.6	117.58
05:15	1201.7	27.83	1186.5	125.75
05:20	1342.7	28.44	1324.2	134.87
05:25	1513.9	29.13	1492.0	145.15

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	1720.6	29.88	1694.8	156.82
05:35	1755.3	30.08	1751.0	168.88
05:40	1674.2	29.85	1684.3	180.48
05:45	1521.3	29.32	1540.8	191.09
05:50	1253.2	28.29	1288.6	199.97
05:55	952.4	26.86	994.3	206.81
06:00	721.5	25.42	755.4	212.02
06:05	568.8	24.22	592.4	216.10
06:10	464.8	23.23	481.6	219.41
06:15	382.6	22.35	396.3	222.14
06:20	318.6	21.54	329.7	224.41
06:25	275.8	20.90	283.4	226.37
06:30	242.3	20.35	248.5	228.08
06:35	209.7	19.79	215.9	229.56
06:40	174.9	19.12	181.7	230.81
06:45	143.1	18.39	149.5	231.84
06:50	126.6	17.88	130.0	232.74
06:55	119.5	17.63	121.0	233.57
07:00	115.1	17.48	116.0	234.37
07:05	110.9	17.35	111.8	235.14
07:10	106.5	17.21	107.5	235.88
07:15	102.2	17.07	103.1	236.59
07:20	97.8	16.93	98.8	237.27
07:25	93.3	16.77	94.3	237.92
07:30	88.6	16.60	89.6	238.54
07:35	83.6	16.41	84.7	239.12
07:40	78.5	16.21	79.7	239.67
07:45	73.1	15.99	74.4	240.18
07:50	67.3	15.74	68.7	240.66
07:55	60.5	15.43	62.1	241.08
08:00	52.5	15.03	54.5	241.46
08:05	43.9	14.53	46.1	241.78
08:10	34.6	13.92	37.1	242.03
08:15	24.9	13.12	27.7	242.22
08:20	15.9	12.13	18.7	242.35
08:25	9.2	10.99	11.4	242.43
08:30	5.0	9.83	6.5	242.48
08:35	2.8	8.77	3.7	242.50
08:40	1.6	7.88	2.2	242.52
08:45	1.1	7.19	1.4	242.53
08:50	0.8	6.66	0.9	242.53
08:55	0.6	6.23	0.7	242.54
09:00	0.4	5.88	0.5	242.54
09:05	0.3	5.55	0.4	242.54
09:10	0.2	5.25	0.3	242.55
09:15	0.2	4.97	0.2	242.55
09:20	0.1	4.69	0.2	242.55
09:25	0.1	4.45	0.1	242.55
09:30	0.1	4.23	0.1	242.55
09:35	0.1	4.03	0.1	242.55
09:40	0.1	3.85	0.1	242.55
09:45	0.0	3.68	0.1	242.55
09:50	0.0	3.54	0.0	242.55
09:55	0.0	3.39	0.0	242.55
10:00	0.0	3.27	0.0	242.55
10:05	0.0	3.16	0.0	242.55
10:10	0.0	3.05	0.0	242.55
10:15	0.0	2.95	0.0	242.55
10:20	0.0	2.87	0.0	242.55
10:25	0.0	2.79	0.0	242.55
10:30	0.0	2.70	0.0	242.55
10:35	0.0	2.63	0.0	242.55

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.003	0.013	4.5	0.03
00:10	0.019	0.003	0.016	8.3	0.09
00:15	0.019	0.003	0.016	9.8	0.16
00:20	0.019	0.003	0.016	10.5	0.23
00:25	0.019	0.003	0.016	10.8	0.30
00:30	0.022	0.003	0.020	12.2	0.39
00:35	0.022	0.003	0.020	13.1	0.48
00:40	0.022	0.003	0.020	13.5	0.57
00:45	0.022	0.003	0.020	13.7	0.66
00:50	0.022	0.003	0.020	13.8	0.76
00:55	0.022	0.003	0.020	13.9	0.85
01:00	0.026	0.003	0.023	15.0	0.96
01:05	0.026	0.003	0.023	15.7	1.07
01:10	0.026	0.003	0.023	15.9	1.18
01:15	0.026	0.003	0.023	16.0	1.29
01:20	0.026	0.003	0.023	16.1	1.40
01:25	0.026	0.003	0.023	16.1	1.51
01:30	0.026	0.003	0.023	16.2	1.62
01:35	0.026	0.003	0.023	16.2	1.73
01:40	0.026	0.003	0.023	16.2	1.84
01:45	0.026	0.003	0.023	16.2	1.95
01:50	0.026	0.003	0.023	16.2	2.07
01:55	0.026	0.003	0.023	16.2	2.18
02:00	0.029	0.003	0.026	17.3	2.30
02:05	0.026	0.003	0.023	16.9	2.41
02:10	0.029	0.003	0.026	17.5	2.53
02:15	0.029	0.003	0.026	18.1	2.66
02:20	0.029	0.003	0.026	18.2	2.78
02:25	0.029	0.003	0.026	18.3	2.91
02:30	0.029	0.003	0.026	18.4	3.04
02:35	0.029	0.003	0.026	18.4	3.16
02:40	0.029	0.003	0.026	18.5	3.29
02:45	0.032	0.003	0.029	19.6	3.43
02:50	0.032	0.003	0.029	20.2	3.57
02:55	0.032	0.003	0.029	20.5	3.71
03:00	0.032	0.003	0.029	20.6	3.85
03:05	0.032	0.003	0.029	20.6	3.99
03:10	0.035	0.003	0.032	21.8	4.14
03:15	0.035	0.003	0.032	22.5	4.29
03:20	0.035	0.003	0.032	22.7	4.45
03:25	0.038	0.003	0.036	23.9	4.62
03:30	0.042	0.003	0.039	25.7	4.79
03:35	0.045	0.003	0.042	27.7	4.98
03:40	0.045	0.003	0.042	28.7	5.18
03:45	0.048	0.003	0.045	30.3	5.39
03:50	0.048	0.003	0.045	31.1	5.60
03:55	0.051	0.003	0.048	32.6	5.83
04:00	0.051	0.003	0.048	33.5	6.06
04:05	0.054	0.003	0.052	35.0	6.30
04:10	0.058	0.003	0.055	36.9	6.55
04:15	0.061	0.003	0.058	39.0	6.82
04:20	0.064	0.003	0.061	41.1	7.11
04:25	0.067	0.003	0.064	43.3	7.40
04:30	0.067	0.003	0.064	44.4	7.71
04:35	0.070	0.003	0.068	46.0	8.03
04:40	0.074	0.003	0.071	48.1	8.36
04:45	0.077	0.003	0.074	50.2	8.70
04:50	0.077	0.003	0.074	51.4	9.06
04:55	0.080	0.003	0.077	52.9	9.42
05:00	0.083	0.003	0.080	54.9	9.80
05:05	0.099	0.003	0.096	61.4	10.22
05:10	0.115	0.003	0.112	70.6	10.71
05:15	0.125	0.003	0.122	78.4	11.25
05:20	0.134	0.003	0.132	85.4	11.84
05:25	0.150	0.003	0.148	94.4	12.49

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.003	0.176	109.0	13.24
05:35	0.061	0.003	0.058	76.7	13.77
05:40	0.029	0.003	0.026	45.2	14.08
05:45	0.019	0.003	0.016	29.2	14.28
05:50	0.016	0.003	0.013	20.8	14.42
05:55	0.010	0.003	0.007	15.2	14.53
06:00	0.006	0.002	0.004	11.0	14.60
06:05	0.000	0.000	0.000	6.6	14.65
06:10	0.000	0.000	0.000	2.9	14.67
06:15	0.000	0.000	0.000	1.3	14.68
06:20	0.000	0.000	0.000	0.7	14.68
06:25	0.000	0.000	0.000	0.4	14.68
06:30	0.000	0.000	0.000	0.2	14.69
06:35	0.000	0.000	0.000	0.1	14.69
06:40	0.000	0.000	0.000	0.0	14.69
06:45	0.000	0.000	0.000	0.0	14.69
06:50	0.000	0.000	0.000	0.0	14.69
06:55	0.000	0.000	0.000	0.0	14.69
07:00	0.000	0.000	0.000	0.0	14.69
07:05	0.000	0.000	0.000	0.0	14.69
07:10	0.000	0.000	0.000	0.0	14.69
07:15	0.000	0.000	0.000	0.0	14.69
07:20	0.000	0.000	0.000	0.0	14.69
07:25	0.000	0.000	0.000	0.0	14.69
07:30	0.000	0.000	0.000	0.0	14.69
07:35	0.000	0.000	0.000	0.0	14.69
07:40	0.000	0.000	0.000	0.0	14.69
07:45	0.000	0.000	0.000	0.0	14.69
07:50	0.000	0.000	0.000	0.0	14.69
07:55	0.000	0.000	0.000	0.0	14.69
08:00	0.000	0.000	0.000	0.0	14.69
08:05	0.000	0.000	0.000	0.0	14.69
08:10	0.000	0.000	0.000	0.0	14.69
08:15	0.000	0.000	0.000	0.0	14.69
08:20	0.000	0.000	0.000	0.0	14.69
08:25	0.000	0.000	0.000	0.0	14.69
08:30	0.000	0.000	0.000	0.0	14.69
08:35	0.000	0.000	0.000	0.0	14.69
08:40	0.000	0.000	0.000	0.0	14.69
08:45	0.000	0.000	0.000	0.0	14.69
08:50	0.000	0.000	0.000	0.0	14.69
08:55	0.000	0.000	0.000	0.0	14.69
09:00	0.000	0.000	0.000	0.0	14.69
09:05	0.000	0.000	0.000	0.0	14.69
09:10	0.000	0.000	0.000	0.0	14.69
09:15	0.000	0.000	0.000	0.0	14.69
09:20	0.000	0.000	0.000	0.0	14.69
09:25	0.000	0.000	0.000	0.0	14.69
09:30	0.000	0.000	0.000	0.0	14.69
09:35	0.000	0.000	0.000	0.0	14.69
09:40	0.000	0.000	0.000	0.0	14.69
09:45	0.000	0.000	0.000	0.0	14.69
09:50	0.000	0.000	0.000	0.0	14.69
09:55	0.000	0.000	0.000	0.0	14.69
10:00	0.000	0.000	0.000	0.0	14.69
10:05	0.000	0.000	0.000	0.0	14.69
10:10	0.000	0.000	0.000	0.0	14.69
10:15	0.000	0.000	0.000	0.0	14.69
10:20	0.000	0.000	0.000	0.0	14.69
10:25	0.000	0.000	0.000	0.0	14.69
10:30	0.000	0.000	0.000	0.0	14.69
10:35	0.000	0.000	0.000	0.0	14.69

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	2.7	4.5	0.02	0.03
00:10	0.02	2.7	8.3	0.06	0.09
00:15	0.04	2.7	9.8	0.12	0.16
00:20	0.07	2.7	10.5	0.19	0.23
00:25	0.10	2.7	10.8	0.27	0.30
00:30	0.13	2.7	12.2	0.35	0.39
00:35	0.16	2.7	13.1	0.43	0.48
00:40	0.19	2.7	13.5	0.52	0.57
00:45	0.22	2.7	13.7	0.62	0.66
00:50	0.26	2.7	13.8	0.71	0.76
00:55	0.29	2.7	13.9	0.81	0.85
01:00	0.33	2.7	15.0	0.91	0.96
01:05	0.37	2.7	15.7	1.01	1.07
01:10	0.41	2.7	15.9	1.12	1.18
01:15	0.45	2.7	16.0	1.23	1.29
01:20	0.49	2.8	16.1	1.34	1.40
01:25	0.53	2.8	16.1	1.45	1.51
01:30	0.57	2.8	16.2	1.56	1.62
01:35	0.61	2.8	16.2	1.68	1.73
01:40	0.65	2.8	16.2	1.79	1.84
01:45	0.69	2.8	16.2	1.90	1.95
01:50	0.73	2.8	16.2	2.01	2.07
01:55	0.77	2.8	16.2	2.12	2.18
02:00	0.81	2.8	17.3	2.24	2.30
02:05	0.85	2.8	16.9	2.36	2.41
02:10	0.90	2.8	17.5	2.47	2.53
02:15	0.94	2.8	18.1	2.60	2.66
02:20	0.99	2.8	18.2	2.72	2.78
02:25	1.03	2.8	18.3	2.85	2.91
02:30	1.08	2.8	18.4	2.97	3.04
02:35	1.12	2.8	18.4	3.10	3.16
02:40	1.16	2.8	18.5	3.23	3.29
02:45	1.21	2.8	19.6	3.36	3.43
02:50	1.26	2.9	20.2	3.50	3.57
02:55	1.31	2.9	20.5	3.64	3.71
03:00	1.35	2.9	20.6	3.78	3.85
03:05	1.40	2.9	20.6	3.92	3.99
03:10	1.45	2.9	21.8	4.06	4.14
03:15	1.51	2.9	22.5	4.22	4.29
03:20	1.56	2.9	22.7	4.37	4.45
03:25	1.62	2.9	23.9	4.53	4.62
03:30	1.68	2.9	25.7	4.70	4.79
03:35	1.74	2.9	27.7	4.89	4.98
03:40	1.81	2.9	28.7	5.08	5.18
03:45	1.88	2.9	30.3	5.29	5.39
03:50	1.95	2.9	31.1	5.50	5.60
03:55	2.03	3.0	32.6	5.72	5.83
04:00	2.10	3.0	33.5	5.94	6.06
04:05	2.18	3.0	35.0	6.18	6.30
04:10	2.26	3.0	36.9	6.43	6.55
04:15	2.35	3.0	39.0	6.69	6.82
04:20	2.44	3.0	41.1	6.96	7.11
04:25	2.54	3.0	43.3	7.25	7.40
04:30	2.64	3.0	44.4	7.56	7.71
04:35	2.74	3.0	46.0	7.87	8.03
04:40	2.85	3.1	48.1	8.19	8.36
04:45	2.96	3.1	50.2	8.53	8.70
04:50	3.07	3.1	51.4	8.88	9.06
04:55	3.18	3.1	52.9	9.21	9.42
05:00	3.27	3.1	54.9	9.52	9.80
05:05	3.37	3.1	61.4	9.81	10.22
05:10	3.46	3.1	70.6	10.11	10.71
05:15	3.56	3.2	78.4	10.41	11.25
05:20	3.65	3.2	85.4	10.70	11.84
05:25	3.74	3.2	94.4	10.99	12.49

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.83	3.2	109.0	11.28	13.24
05:35	3.89	3.2	76.7	11.46	13.77
05:40	3.87	3.2	45.2	11.40	14.08
05:45	3.81	3.2	29.2	11.21	14.28
05:50	3.74	3.2	20.8	10.98	14.42
05:55	3.67	3.2	15.2	10.77	14.53
06:00	3.61	3.2	11.0	10.56	14.60
06:05	3.55	3.2	6.6	10.37	14.65
06:10	3.49	3.1	2.9	10.19	14.67
06:15	3.43	3.1	1.3	10.02	14.68
06:20	3.39	3.1	0.7	9.88	14.68
06:25	3.35	3.1	0.4	9.75	14.68
06:30	3.31	3.1	0.2	9.64	14.69
06:35	3.28	3.1	0.1	9.55	14.69
06:40	3.26	3.1	0.0	9.47	14.69
06:45	3.24	3.1	0.0	9.40	14.69
06:50	3.22	3.1	0.0	9.33	14.69
06:55	3.20	3.1	0.0	9.28	14.69
07:00	3.18	3.1	0.0	9.23	14.69
07:05	3.17	3.1	0.0	9.19	14.69
07:10	3.16	3.1	0.0	9.15	14.69
07:15	3.15	3.1	0.0	9.12	14.69
07:20	3.14	3.1	0.0	9.08	14.69
07:25	3.13	3.1	0.0	9.06	14.69
07:30	3.12	3.1	0.0	9.03	14.69
07:35	3.11	3.1	0.0	9.01	14.69
07:40	3.11	3.1	0.0	8.99	14.69
07:45	3.10	3.1	0.0	8.97	14.69
07:50	3.09	3.1	0.0	8.95	14.69
07:55	3.09	3.1	0.0	8.93	14.69
08:00	3.08	3.1	0.0	8.92	14.69
08:05	3.08	3.1	0.0	8.91	14.69
08:10	3.08	3.1	0.0	8.89	14.69
08:15	3.07	3.1	0.0	8.88	14.69
08:20	3.07	3.1	0.0	8.87	14.69
08:25	3.07	3.1	0.0	8.86	14.69
08:30	3.06	3.1	0.0	8.85	14.69
08:35	3.06	3.1	0.0	8.84	14.69
08:40	3.06	3.1	0.0	8.83	14.69
08:45	3.06	3.1	0.0	8.83	14.69
08:50	3.05	3.1	0.0	8.82	14.69
08:55	3.05	3.1	0.0	8.81	14.69
09:00	3.05	3.1	0.0	8.81	14.69
09:05	3.05	3.1	0.0	8.80	14.69
09:10	3.04	3.1	0.0	8.79	14.69
09:15	3.04	3.1	0.0	8.79	14.69
09:20	3.04	3.1	0.0	8.78	14.69
09:25	3.04	3.1	0.0	8.78	14.69
09:30	3.04	3.1	0.0	8.77	14.69
09:35	3.04	3.1	0.0	8.77	14.69
09:40	3.04	3.1	0.0	8.77	14.69
09:45	3.03	3.1	0.0	8.76	14.69
09:50	3.03	3.1	0.0	8.76	14.69
09:55	3.03	3.1	0.0	8.76	14.69
10:00	3.03	3.1	0.0	8.75	14.69
10:05	3.03	3.1	0.0	8.75	14.69
10:10	3.03	3.1	0.0	8.75	14.69
10:15	3.03	3.1	0.0	8.74	14.69
10:20	3.03	3.1	0.0	8.74	14.69
10:25	3.03	3.1	0.0	8.74	14.69
10:30	3.03	3.1	0.0	8.74	14.69
10:35	3.03	3.1	0.0	8.73	14.69

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	1.8	1.8	0.01
00:10	7.6	7.6	0.06
00:15	12.3	12.3	0.15
00:20	15.4	15.4	0.26
00:25	23.4	23.4	0.42
00:30	36.2	36.2	0.67
00:35	46.6	46.6	0.99
00:40	53.0	53.0	1.35
00:45	57.4	57.4	1.75
00:50	61.0	61.0	2.17
00:55	63.9	63.9	2.61
01:00	67.8	67.8	3.07
01:05	72.2	72.2	3.57
01:10	76.7	76.7	4.10
01:15	81.6	81.6	4.66
01:20	86.9	86.9	5.26
01:25	91.4	91.4	5.89
01:30	94.7	94.7	6.54
01:35	97.0	97.0	7.21
01:40	98.8	98.8	7.89
01:45	100.2	100.2	8.58
01:50	101.3	101.3	9.28
01:55	102.1	102.1	9.98
02:00	105.0	105.0	10.70
02:05	107.9	107.9	11.45
02:10	112.3	112.3	12.22
02:15	118.8	118.8	13.04
02:20	126.6	126.6	13.91
02:25	133.4	133.4	14.83
02:30	140.3	140.3	15.80
02:35	146.8	146.8	16.81
02:40	151.5	151.5	17.85
02:45	157.3	157.3	18.93
02:50	164.2	164.2	20.06
02:55	172.3	172.3	21.25
03:00	181.6	181.6	22.50
03:05	191.9	191.9	23.82
03:10	203.1	203.1	25.22
03:15	213.7	213.7	26.69
03:20	224.1	224.1	28.24
03:25	238.0	238.0	29.88
03:30	257.1	257.1	31.65
03:35	280.4	280.4	33.58
03:40	306.4	306.4	35.69
03:45	337.9	337.9	38.02
03:50	371.4	371.4	40.57
03:55	404.5	404.5	43.36
04:00	434.8	434.8	46.35
04:05	465.1	465.1	49.56
04:10	498.0	498.0	52.99
04:15	533.8	533.8	56.66
04:20	573.2	573.2	60.61
04:25	617.5	617.5	64.86
04:30	662.8	662.8	69.43
04:35	708.6	708.6	74.31
04:40	754.7	754.7	79.51
04:45	799.9	799.9	85.02
04:50	844.2	844.2	90.83
04:55	892.5	892.5	96.98
05:00	943.7	943.7	103.48
05:05	1010.4	1010.4	110.43
05:10	1103.0	1103.0	118.03
05:15	1221.6	1221.6	126.44
05:20	1368.3	1368.3	135.87
05:25	1545.5	1545.5	146.51

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	1758.8	1758.8	158.62
05:35	1821.5	1821.5	171.17
05:40	1752.7	1752.7	183.24
05:45	1602.1	1602.1	194.27
05:50	1342.1	1342.1	203.52
05:55	1040.5	1040.5	210.68
06:00	795.1	795.1	216.16
06:05	626.2	626.2	220.47
06:10	510.2	510.2	223.98
06:15	420.4	420.4	226.88
06:20	350.0	350.0	229.29
06:25	300.7	300.7	231.36
06:30	263.3	263.3	233.17
06:35	228.6	228.6	234.75
06:40	192.7	192.7	236.08
06:45	159.2	159.2	237.17
06:50	138.5	138.5	238.13
06:55	128.5	128.5	239.01
07:00	122.6	122.6	239.86
07:05	117.6	117.6	240.67
07:10	112.7	112.7	241.44
07:15	107.9	107.9	242.19
07:20	103.1	103.1	242.90
07:25	98.2	98.2	243.57
07:30	93.1	93.1	244.21
07:35	87.9	87.9	244.82
07:40	82.6	82.6	245.39
07:45	77.1	77.1	245.92
07:50	71.2	71.2	246.41
07:55	64.4	64.4	246.85
08:00	56.6	56.6	247.24
08:05	48.0	48.0	247.57
08:10	38.9	38.9	247.84
08:15	29.3	29.3	248.04
08:20	20.2	20.2	248.18
08:25	12.9	12.9	248.27
08:30	7.9	7.9	248.32
08:35	4.9	4.9	248.36
08:40	3.3	3.3	248.38
08:45	2.5	2.5	248.40
08:50	1.9	1.9	248.41
08:55	1.6	1.6	248.42
09:00	1.4	1.4	248.43
09:05	1.2	1.2	248.44
09:10	1.1	1.1	248.45
09:15	1.0	1.0	248.45
09:20	0.9	0.9	248.46
09:25	0.8	0.8	248.47
09:30	0.7	0.7	248.47
09:35	0.7	0.7	248.48
09:40	0.6	0.6	248.48
09:45	0.6	0.6	248.48
09:50	0.6	0.6	248.49
09:55	0.5	0.5	248.49
10:00	0.5	0.5	248.50
10:05	0.5	0.5	248.50
10:10	0.4	0.4	248.50
10:15	0.4	0.4	248.50
10:20	0.4	0.4	248.51
10:25	0.4	0.4	248.51
10:30	0.4	0.4	248.51
10:35	0.3	0.3	248.51

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.003	0.013	3.2	0.02
00:10	0.019	0.003	0.016	4.9	0.06
00:15	0.019	0.003	0.016	5.5	0.09
00:20	0.019	0.003	0.016	5.7	0.13
00:25	0.019	0.003	0.016	5.9	0.17
00:30	0.022	0.003	0.019	6.8	0.22
00:35	0.022	0.003	0.019	7.0	0.27
00:40	0.022	0.003	0.019	7.1	0.32
00:45	0.022	0.003	0.019	7.2	0.37
00:50	0.022	0.003	0.019	7.2	0.42
00:55	0.022	0.003	0.019	7.2	0.47
01:00	0.026	0.003	0.023	8.0	0.52
01:05	0.026	0.003	0.023	8.2	0.58
01:10	0.026	0.003	0.023	8.3	0.64
01:15	0.026	0.003	0.023	8.3	0.69
01:20	0.026	0.003	0.023	8.4	0.75
01:25	0.026	0.003	0.023	8.4	0.81
01:30	0.026	0.003	0.023	8.4	0.87
01:35	0.026	0.003	0.023	8.4	0.92
01:40	0.026	0.003	0.023	8.4	0.98
01:45	0.026	0.003	0.023	8.4	1.04
01:50	0.026	0.003	0.023	8.4	1.10
01:55	0.026	0.003	0.023	8.4	1.16
02:00	0.029	0.003	0.026	9.2	1.22
02:05	0.026	0.003	0.023	8.6	1.28
02:10	0.029	0.003	0.026	9.3	1.34
02:15	0.029	0.003	0.026	9.5	1.41
02:20	0.029	0.003	0.026	9.5	1.47
02:25	0.029	0.003	0.026	9.6	1.54
02:30	0.029	0.003	0.026	9.6	1.60
02:35	0.029	0.003	0.026	9.6	1.67
02:40	0.029	0.003	0.026	9.6	1.74
02:45	0.032	0.003	0.029	10.4	1.81
02:50	0.032	0.003	0.029	10.6	1.88
02:55	0.032	0.003	0.029	10.7	1.95
03:00	0.032	0.003	0.029	10.7	2.03
03:05	0.032	0.003	0.029	10.8	2.10
03:10	0.035	0.003	0.032	11.6	2.18
03:15	0.035	0.003	0.032	11.8	2.26
03:20	0.035	0.003	0.032	11.9	2.35
03:25	0.038	0.003	0.035	12.7	2.43
03:30	0.042	0.003	0.039	13.8	2.53
03:35	0.045	0.003	0.042	14.9	2.63
03:40	0.045	0.003	0.042	15.2	2.73
03:45	0.048	0.003	0.045	16.2	2.85
03:50	0.048	0.003	0.045	16.5	2.96
03:55	0.051	0.003	0.048	17.4	3.08
04:00	0.051	0.003	0.048	17.7	3.20
04:05	0.054	0.003	0.051	18.6	3.33
04:10	0.058	0.003	0.055	19.7	3.46
04:15	0.061	0.003	0.058	20.8	3.61
04:20	0.064	0.003	0.061	22.0	3.76
04:25	0.067	0.003	0.064	23.1	3.92
04:30	0.067	0.003	0.064	23.5	4.08
04:35	0.070	0.003	0.067	24.5	4.25
04:40	0.074	0.003	0.071	25.6	4.43
04:45	0.077	0.003	0.074	26.8	4.61
04:50	0.077	0.003	0.074	27.1	4.80
04:55	0.080	0.003	0.077	28.1	4.99
05:00	0.083	0.003	0.080	29.2	5.19
05:05	0.099	0.003	0.096	33.5	5.42
05:10	0.115	0.003	0.112	38.7	5.69
05:15	0.125	0.003	0.122	42.7	5.98
05:20	0.134	0.003	0.131	46.4	6.30
05:25	0.150	0.003	0.147	51.6	6.66

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.003	0.176	60.5	7.07
05:35	0.061	0.003	0.058	33.9	7.31
05:40	0.029	0.003	0.026	18.6	7.44
05:45	0.019	0.003	0.016	11.8	7.52
05:50	0.016	0.003	0.013	8.7	7.58
05:55	0.010	0.003	0.007	5.1	7.61
06:00	0.006	0.002	0.004	2.8	7.63
06:05	0.000	0.000	0.000	1.0	7.64
06:10	0.000	0.000	0.000	0.4	7.64
06:15	0.000	0.000	0.000	0.2	7.64
06:20	0.000	0.000	0.000	0.1	7.64
06:25	0.000	0.000	0.000	0.0	7.64
06:30	0.000	0.000	0.000	0.0	7.64
06:35	0.000	0.000	0.000	0.0	7.64
06:40	0.000	0.000	0.000	0.0	7.64
06:45	0.000	0.000	0.000	0.0	7.64
06:50	0.000	0.000	0.000	0.0	7.64
06:55	0.000	0.000	0.000	0.0	7.64
07:00	0.000	0.000	0.000	0.0	7.64
07:05	0.000	0.000	0.000	0.0	7.64
07:10	0.000	0.000	0.000	0.0	7.64
07:15	0.000	0.000	0.000	0.0	7.64
07:20	0.000	0.000	0.000	0.0	7.64
07:25	0.000	0.000	0.000	0.0	7.64
07:30	0.000	0.000	0.000	0.0	7.64
07:35	0.000	0.000	0.000	0.0	7.64
07:40	0.000	0.000	0.000	0.0	7.64
07:45	0.000	0.000	0.000	0.0	7.64
07:50	0.000	0.000	0.000	0.0	7.64
07:55	0.000	0.000	0.000	0.0	7.64
08:00	0.000	0.000	0.000	0.0	7.64
08:05	0.000	0.000	0.000	0.0	7.64
08:10	0.000	0.000	0.000	0.0	7.64
08:15	0.000	0.000	0.000	0.0	7.64
08:20	0.000	0.000	0.000	0.0	7.64
08:25	0.000	0.000	0.000	0.0	7.64
08:30	0.000	0.000	0.000	0.0	7.64
08:35	0.000	0.000	0.000	0.0	7.64
08:40	0.000	0.000	0.000	0.0	7.64
08:45	0.000	0.000	0.000	0.0	7.64
08:50	0.000	0.000	0.000	0.0	7.64
08:55	0.000	0.000	0.000	0.0	7.64
09:00	0.000	0.000	0.000	0.0	7.64
09:05	0.000	0.000	0.000	0.0	7.64
09:10	0.000	0.000	0.000	0.0	7.64
09:15	0.000	0.000	0.000	0.0	7.64
09:20	0.000	0.000	0.000	0.0	7.64
09:25	0.000	0.000	0.000	0.0	7.64
09:30	0.000	0.000	0.000	0.0	7.64
09:35	0.000	0.000	0.000	0.0	7.64
09:40	0.000	0.000	0.000	0.0	7.64
09:45	0.000	0.000	0.000	0.0	7.64
09:50	0.000	0.000	0.000	0.0	7.64
09:55	0.000	0.000	0.000	0.0	7.64
10:00	0.000	0.000	0.000	0.0	7.64
10:05	0.000	0.000	0.000	0.0	7.64
10:10	0.000	0.000	0.000	0.0	7.64
10:15	0.000	0.000	0.000	0.0	7.64
10:20	0.000	0.000	0.000	0.0	7.64
10:25	0.000	0.000	0.000	0.0	7.64
10:30	0.000	0.000	0.000	0.0	7.64
10:35	0.000	0.000	0.000	0.0	7.64

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	1.3	3.2	0.01	0.02
00:10	0.03	1.3	4.9	0.04	0.06
00:15	0.05	1.3	5.5	0.08	0.09
00:20	0.08	1.3	5.7	0.11	0.13
00:25	0.11	1.3	5.9	0.15	0.17
00:30	0.14	1.3	6.8	0.20	0.22
00:35	0.18	1.4	7.0	0.24	0.27
00:40	0.21	1.4	7.1	0.29	0.32
00:45	0.25	1.4	7.2	0.34	0.37
00:50	0.28	1.4	7.2	0.39	0.42
00:55	0.32	1.4	7.2	0.44	0.47
01:00	0.36	1.4	8.0	0.49	0.52
01:05	0.40	1.4	8.2	0.55	0.58
01:10	0.44	1.4	8.3	0.61	0.64
01:15	0.48	1.4	8.3	0.66	0.69
01:20	0.52	1.4	8.4	0.72	0.75
01:25	0.56	1.4	8.4	0.78	0.81
01:30	0.61	1.4	8.4	0.84	0.87
01:35	0.65	1.4	8.4	0.90	0.92
01:40	0.69	1.4	8.4	0.95	0.98
01:45	0.73	1.4	8.4	1.01	1.04
01:50	0.77	1.4	8.4	1.07	1.10
01:55	0.82	1.4	8.4	1.13	1.16
02:00	0.86	1.4	9.2	1.19	1.22
02:05	0.90	1.4	8.6	1.25	1.28
02:10	0.95	1.4	9.3	1.31	1.34
02:15	1.00	1.4	9.5	1.37	1.41
02:20	1.04	1.4	9.5	1.44	1.47
02:25	1.09	1.4	9.6	1.51	1.54
02:30	1.13	1.4	9.6	1.57	1.60
02:35	1.17	1.4	9.6	1.64	1.67
02:40	1.22	1.4	9.6	1.70	1.74
02:45	1.27	1.5	10.4	1.77	1.81
02:50	1.32	1.5	10.6	1.84	1.88
02:55	1.37	1.5	10.7	1.92	1.95
03:00	1.42	1.5	10.7	1.99	2.03
03:05	1.47	1.5	10.8	2.07	2.10
03:10	1.52	1.5	11.6	2.14	2.18
03:15	1.57	1.5	11.8	2.22	2.26
03:20	1.63	1.5	11.9	2.30	2.35
03:25	1.69	1.5	12.7	2.39	2.43
03:30	1.75	1.5	13.8	2.48	2.53
03:35	1.81	1.5	14.9	2.58	2.63
03:40	1.88	1.5	15.2	2.68	2.73
03:45	1.96	1.5	16.2	2.79	2.85
03:50	2.03	1.5	16.5	2.90	2.96
03:55	2.11	1.5	17.4	3.02	3.08
04:00	2.18	1.5	17.7	3.14	3.20
04:05	2.26	1.5	18.6	3.27	3.33
04:10	2.35	1.6	19.7	3.40	3.46
04:15	2.44	1.6	20.8	3.54	3.61
04:20	2.53	1.6	22.0	3.68	3.76
04:25	2.63	1.6	23.1	3.84	3.92
04:30	2.73	1.6	23.5	4.00	4.08
04:35	2.84	1.6	24.5	4.17	4.25
04:40	2.95	1.6	25.6	4.34	4.43
04:45	3.06	1.6	26.8	4.52	4.61
04:50	3.16	1.6	27.1	4.69	4.80
04:55	3.26	1.6	28.1	4.85	4.99
05:00	3.34	1.6	29.2	4.99	5.19
05:05	3.42	1.7	33.5	5.13	5.42
05:10	3.51	1.7	38.7	5.27	5.69
05:15	3.60	1.7	42.7	5.41	5.98
05:20	3.68	1.7	46.4	5.55	6.30
05:25	3.76	1.7	51.6	5.68	6.66

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.85	1.7	60.5	5.83	7.07
05:35	3.88	1.7	33.9	5.89	7.31
05:40	3.83	1.7	18.6	5.81	7.44
05:45	3.76	1.7	11.8	5.68	7.52
05:50	3.68	1.7	8.7	5.55	7.58
05:55	3.60	1.7	5.1	5.43	7.61
06:00	3.54	1.7	2.8	5.31	7.63
06:05	3.47	1.7	1.0	5.21	7.64
06:10	3.42	1.7	0.4	5.11	7.64
06:15	3.37	1.7	0.2	5.03	7.64
06:20	3.33	1.6	0.1	4.97	7.64
06:25	3.29	1.6	0.0	4.91	7.64
06:30	3.27	1.6	0.0	4.86	7.64
06:35	3.24	1.6	0.0	4.82	7.64
06:40	3.22	1.6	0.0	4.78	7.64
06:45	3.20	1.6	0.0	4.75	7.64
06:50	3.18	1.6	0.0	4.72	7.64
06:55	3.17	1.6	0.0	4.70	7.64
07:00	3.16	1.6	0.0	4.68	7.64
07:05	3.14	1.6	0.0	4.66	7.64
07:10	3.13	1.6	0.0	4.64	7.64
07:15	3.12	1.6	0.0	4.63	7.64
07:20	3.12	1.6	0.0	4.61	7.64
07:25	3.11	1.6	0.0	4.60	7.64
07:30	3.10	1.6	0.0	4.59	7.64
07:35	3.10	1.6	0.0	4.58	7.64
07:40	3.09	1.6	0.0	4.57	7.64
07:45	3.08	1.6	0.0	4.56	7.64
07:50	3.08	1.6	0.0	4.55	7.64
07:55	3.08	1.6	0.0	4.55	7.64
08:00	3.07	1.6	0.0	4.54	7.64
08:05	3.07	1.6	0.0	4.53	7.64
08:10	3.06	1.6	0.0	4.53	7.64
08:15	3.06	1.6	0.0	4.52	7.64
08:20	3.06	1.6	0.0	4.52	7.64
08:25	3.06	1.6	0.0	4.51	7.64
08:30	3.05	1.6	0.0	4.51	7.64
08:35	3.05	1.6	0.0	4.50	7.64
08:40	3.05	1.6	0.0	4.50	7.64
08:45	3.05	1.6	0.0	4.50	7.64
08:50	3.04	1.6	0.0	4.49	7.64
08:55	3.04	1.6	0.0	4.49	7.64
09:00	3.04	1.6	0.0	4.49	7.64
09:05	3.04	1.6	0.0	4.48	7.64
09:10	3.04	1.6	0.0	4.48	7.64
09:15	3.04	1.6	0.0	4.48	7.64
09:20	3.04	1.6	0.0	4.48	7.64
09:25	3.03	1.6	0.0	4.48	7.64
09:30	3.03	1.6	0.0	4.47	7.64
09:35	3.03	1.6	0.0	4.47	7.64
09:40	3.03	1.6	0.0	4.47	7.64
09:45	3.03	1.6	0.0	4.47	7.64
09:50	3.03	1.6	0.0	4.47	7.64
09:55	3.03	1.6	0.0	4.46	7.64
10:00	3.03	1.6	0.0	4.46	7.64
10:05	3.03	1.6	0.0	4.46	7.64
10:10	3.03	1.6	0.0	4.46	7.64
10:15	3.02	1.6	0.0	4.46	7.64
10:20	3.02	1.6	0.0	4.46	7.64
10:25	3.02	1.6	0.0	4.46	7.64
10:30	3.02	1.6	0.0	4.46	7.64
10:35	3.02	1.6	0.0	4.45	7.64

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	0.0	0.00	0.0	0.00
00:10	0.0	0.00	0.0	0.00
00:15	0.0	0.00	0.0	0.00
00:20	0.0	0.00	0.0	0.00
00:25	0.0	0.00	0.0	0.00
00:30	0.0	0.00	0.0	0.00
00:35	0.0	0.00	0.0	0.00
00:40	0.0	0.00	0.0	0.00
00:45	0.0	0.00	0.0	0.00
00:50	0.0	0.00	0.0	0.00
00:55	0.0	0.00	0.0	0.00
01:00	0.0	0.00	0.0	0.00
01:05	0.0	0.00	0.0	0.00
01:10	0.0	0.00	0.0	0.00
01:15	0.0	0.00	0.0	0.00
01:20	0.0	0.00	0.0	0.00
01:25	0.0	0.00	0.0	0.00
01:30	0.0	0.00	0.0	0.00
01:35	0.0	0.00	0.0	0.00
01:40	0.0	0.00	0.0	0.00
01:45	0.0	0.00	0.0	0.00
01:50	0.0	0.00	0.0	0.00
01:55	0.0	0.00	0.0	0.00
02:00	0.0	0.00	0.0	0.00
02:05	0.0	0.00	0.0	0.00
02:10	0.0	0.00	0.0	0.00
02:15	0.0	0.00	0.0	0.00
02:20	0.0	0.00	0.0	0.00
02:25	0.0	0.00	0.0	0.00
02:30	0.0	0.00	0.0	0.00
02:35	0.0	0.00	0.0	0.00
02:40	0.0	0.00	0.0	0.00
02:45	0.0	0.00	0.0	0.00
02:50	0.0	0.00	0.0	0.00
02:55	0.0	0.00	0.0	0.00
03:00	0.0	0.00	0.0	0.00
03:05	0.0	0.00	0.0	0.00
03:10	0.0	0.00	0.0	0.00
03:15	0.0	0.00	0.0	0.00
03:20	0.0	0.00	0.0	0.00
03:25	0.0	0.00	0.0	0.00
03:30	0.0	0.00	0.0	0.00
03:35	0.0	0.00	0.0	0.00
03:40	0.0	0.00	0.0	0.00
03:45	0.0	0.00	0.0	0.00
03:50	0.0	0.00	0.0	0.00
03:55	0.0	0.00	0.0	0.00
04:00	0.0	0.00	0.0	0.00
04:05	0.0	0.00	0.0	0.00
04:10	0.0	0.00	0.0	0.00
04:15	0.0	0.00	0.0	0.00
04:20	0.0	0.00	0.0	0.00
04:25	0.0	0.00	0.0	0.00
04:30	0.0	0.00	0.0	0.00
04:35	0.0	0.00	0.0	0.00
04:40	0.0	0.00	0.0	0.00
04:45	0.7	5.37	0.6	0.00
04:50	3.1	7.33	3.1	0.03
04:55	6.3	8.44	6.2	0.07
05:00	9.6	9.21	9.5	0.13
05:05	13.3	9.83	13.2	0.22
05:10	17.5	10.38	17.4	0.34
05:15	22.1	10.89	22.0	0.50
05:20	26.9	11.32	26.8	0.68
05:25	31.8	11.71	31.7	0.90

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	37.5	12.10	37.4	1.16
05:35	39.9	0.00	39.8	1.43
05:40	36.6	12.05	36.6	1.68
05:45	31.6	11.71	31.7	1.90
05:50	26.8	11.33	26.9	2.09
05:55	22.6	10.95	22.7	2.24
06:00	18.8	10.56	18.9	2.37
06:05	15.6	10.17	15.7	2.48
06:10	12.9	9.79	13.0	2.57
06:15	10.8	9.44	10.8	2.65
06:20	9.1	9.12	9.1	2.71
06:25	7.7	8.83	7.7	2.76
06:30	6.6	8.55	6.6	2.81
06:35	5.6	8.30	5.7	2.85
06:40	4.9	8.07	4.9	2.88
06:45	4.3	7.85	4.3	2.91
06:50	3.8	7.65	3.8	2.93
06:55	3.3	7.46	3.3	2.96
07:00	2.9	7.28	3.0	2.98
07:05	2.6	7.12	2.6	3.00
07:10	2.3	6.96	2.4	3.01
07:15	2.1	6.81	2.1	3.03
07:20	1.9	6.67	1.9	3.04
07:25	1.7	6.54	1.7	3.05
07:30	1.6	6.41	1.6	3.06
07:35	1.4	6.29	1.4	3.07
07:40	1.3	6.18	1.3	3.08
07:45	1.2	6.07	1.2	3.09
07:50	1.1	5.97	1.1	3.10
07:55	1.0	5.87	1.0	3.10
08:00	0.9	5.78	0.9	3.11
08:05	0.9	5.68	0.9	3.12
08:10	0.8	5.60	0.8	3.12
08:15	0.7	5.51	0.7	3.13
08:20	0.7	5.43	0.7	3.13
08:25	0.6	5.36	0.6	3.14
08:30	0.6	5.28	0.6	3.14
08:35	0.6	5.21	0.6	3.14
08:40	0.5	5.14	0.5	3.15
08:45	0.5	5.07	0.5	3.15
08:50	0.5	5.01	0.5	3.15
08:55	0.4	4.94	0.4	3.16
09:00	0.4	4.88	0.4	3.16
09:05	0.4	4.82	0.4	3.16
09:10	0.4	4.77	0.4	3.16
09:15	0.3	4.71	0.3	3.17
09:20	0.3	4.66	0.3	3.17
09:25	0.3	4.61	0.3	3.17
09:30	0.3	4.55	0.3	3.17
09:35	0.3	4.51	0.3	3.18
09:40	0.3	4.46	0.3	3.18
09:45	0.2	4.41	0.2	3.18
09:50	0.2	4.37	0.2	3.18
09:55	0.2	4.32	0.2	3.18
10:00	0.2	4.28	0.2	3.18
10:05	0.2	4.24	0.2	3.18
10:10	0.2	4.19	0.2	3.19
10:15	0.2	4.15	0.2	3.19
10:20	0.2	4.12	0.2	3.19
10:25	0.2	4.08	0.2	3.19
10:30	0.2	4.04	0.2	3.19
10:35	0.2	4.00	0.2	3.19

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.011	0.005	0.9	0.01
00:10	0.019	0.013	0.006	1.2	0.01
00:15	0.019	0.013	0.006	1.2	0.02
00:20	0.019	0.013	0.006	1.2	0.03
00:25	0.019	0.013	0.006	1.2	0.04
00:30	0.022	0.014	0.008	1.6	0.05
00:35	0.022	0.014	0.008	1.7	0.06
00:40	0.022	0.014	0.008	1.7	0.07
00:45	0.022	0.014	0.008	1.7	0.09
00:50	0.022	0.014	0.008	1.7	0.10
00:55	0.022	0.014	0.008	1.7	0.11
01:00	0.026	0.014	0.011	2.3	0.12
01:05	0.026	0.014	0.011	2.3	0.14
01:10	0.026	0.014	0.011	2.3	0.16
01:15	0.026	0.014	0.011	2.3	0.17
01:20	0.026	0.014	0.011	2.3	0.19
01:25	0.026	0.014	0.011	2.3	0.20
01:30	0.026	0.014	0.011	2.3	0.22
01:35	0.026	0.014	0.011	2.3	0.24
01:40	0.026	0.014	0.011	2.3	0.25
01:45	0.026	0.014	0.011	2.3	0.27
01:50	0.026	0.014	0.011	2.3	0.28
01:55	0.026	0.014	0.011	2.3	0.30
02:00	0.029	0.014	0.014	2.9	0.32
02:05	0.026	0.014	0.011	2.4	0.34
02:10	0.029	0.014	0.014	2.9	0.36
02:15	0.029	0.014	0.014	3.0	0.38
02:20	0.029	0.014	0.014	3.0	0.40
02:25	0.029	0.014	0.014	3.0	0.42
02:30	0.029	0.014	0.014	3.0	0.44
02:35	0.029	0.014	0.014	3.0	0.46
02:40	0.029	0.014	0.014	3.0	0.48
02:45	0.032	0.014	0.018	3.6	0.50
02:50	0.032	0.014	0.018	3.6	0.53
02:55	0.032	0.014	0.018	3.6	0.55
03:00	0.032	0.014	0.018	3.6	0.58
03:05	0.032	0.014	0.018	3.6	0.60
03:10	0.035	0.014	0.021	4.2	0.63
03:15	0.035	0.014	0.021	4.3	0.66
03:20	0.035	0.014	0.021	4.3	0.69
03:25	0.038	0.014	0.024	4.9	0.73
03:30	0.042	0.014	0.027	5.6	0.77
03:35	0.045	0.014	0.030	6.2	0.81
03:40	0.045	0.014	0.030	6.3	0.85
03:45	0.048	0.014	0.034	6.9	0.90
03:50	0.048	0.014	0.034	6.9	0.95
03:55	0.051	0.014	0.037	7.6	1.00
04:00	0.051	0.014	0.037	7.6	1.05
04:05	0.054	0.014	0.040	8.2	1.11
04:10	0.058	0.014	0.043	8.9	1.17
04:15	0.061	0.014	0.046	9.5	1.23
04:20	0.064	0.014	0.050	10.2	1.30
04:25	0.067	0.014	0.053	10.9	1.38
04:30	0.067	0.014	0.053	10.9	1.45
04:35	0.070	0.014	0.056	11.5	1.53
04:40	0.074	0.014	0.059	12.2	1.62
04:45	0.077	0.014	0.062	12.8	1.71
04:50	0.077	0.014	0.062	12.9	1.80
04:55	0.080	0.014	0.066	13.5	1.89
05:00	0.083	0.014	0.069	14.2	1.99
05:05	0.099	0.014	0.085	17.2	2.10
05:10	0.115	0.014	0.101	20.5	2.25
05:15	0.125	0.014	0.110	22.6	2.40
05:20	0.134	0.014	0.120	24.6	2.57
05:25	0.150	0.014	0.136	27.8	2.76

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.014	0.165	33.5	2.99
05:35	0.061	0.014	0.046	11.8	3.07
05:40	0.029	0.014	0.014	3.8	3.10
05:45	0.019	0.013	0.006	1.5	3.11
05:50	0.016	0.011	0.005	1.1	3.12
05:55	0.010	0.007	0.003	0.7	3.12
06:00	0.006	0.004	0.002	0.4	3.13
06:05	0.000	0.000	0.000	0.0	3.13
06:10	0.000	0.000	0.000	0.0	3.13
06:15	0.000	0.000	0.000	0.0	3.13
06:20	0.000	0.000	0.000	0.0	3.13
06:25	0.000	0.000	0.000	0.0	3.13
06:30	0.000	0.000	0.000	0.0	3.13
06:35	0.000	0.000	0.000	0.0	3.13
06:40	0.000	0.000	0.000	0.0	3.13
06:45	0.000	0.000	0.000	0.0	3.13
06:50	0.000	0.000	0.000	0.0	3.13
06:55	0.000	0.000	0.000	0.0	3.13
07:00	0.000	0.000	0.000	0.0	3.13
07:05	0.000	0.000	0.000	0.0	3.13
07:10	0.000	0.000	0.000	0.0	3.13
07:15	0.000	0.000	0.000	0.0	3.13
07:20	0.000	0.000	0.000	0.0	3.13
07:25	0.000	0.000	0.000	0.0	3.13
07:30	0.000	0.000	0.000	0.0	3.13
07:35	0.000	0.000	0.000	0.0	3.13
07:40	0.000	0.000	0.000	0.0	3.13
07:45	0.000	0.000	0.000	0.0	3.13
07:50	0.000	0.000	0.000	0.0	3.13
07:55	0.000	0.000	0.000	0.0	3.13
08:00	0.000	0.000	0.000	0.0	3.13
08:05	0.000	0.000	0.000	0.0	3.13
08:10	0.000	0.000	0.000	0.0	3.13
08:15	0.000	0.000	0.000	0.0	3.13
08:20	0.000	0.000	0.000	0.0	3.13
08:25	0.000	0.000	0.000	0.0	3.13
08:30	0.000	0.000	0.000	0.0	3.13
08:35	0.000	0.000	0.000	0.0	3.13
08:40	0.000	0.000	0.000	0.0	3.13
08:45	0.000	0.000	0.000	0.0	3.13
08:50	0.000	0.000	0.000	0.0	3.13
08:55	0.000	0.000	0.000	0.0	3.13
09:00	0.000	0.000	0.000	0.0	3.13
09:05	0.000	0.000	0.000	0.0	3.13
09:10	0.000	0.000	0.000	0.0	3.13
09:15	0.000	0.000	0.000	0.0	3.13
09:20	0.000	0.000	0.000	0.0	3.13
09:25	0.000	0.000	0.000	0.0	3.13
09:30	0.000	0.000	0.000	0.0	3.13
09:35	0.000	0.000	0.000	0.0	3.13
09:40	0.000	0.000	0.000	0.0	3.13
09:45	0.000	0.000	0.000	0.0	3.13
09:50	0.000	0.000	0.000	0.0	3.13
09:55	0.000	0.000	0.000	0.0	3.13
10:00	0.000	0.000	0.000	0.0	3.13
10:05	0.000	0.000	0.000	0.0	3.13
10:10	0.000	0.000	0.000	0.0	3.13
10:15	0.000	0.000	0.000	0.0	3.13
10:20	0.000	0.000	0.000	0.0	3.13
10:25	0.000	0.000	0.000	0.0	3.13
10:30	0.000	0.000	0.000	0.0	3.13
10:35	0.000	0.000	0.000	0.0	3.13

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.012	0.004	0.5	0.00
00:10	0.019	0.014	0.005	0.7	0.01
00:15	0.019	0.014	0.005	0.8	0.01
00:20	0.019	0.014	0.005	0.8	0.02
00:25	0.019	0.014	0.005	0.8	0.02
00:30	0.022	0.015	0.007	1.0	0.03
00:35	0.022	0.015	0.007	1.1	0.04
00:40	0.022	0.015	0.007	1.1	0.05
00:45	0.022	0.015	0.007	1.1	0.05
00:50	0.022	0.015	0.007	1.1	0.06
00:55	0.022	0.015	0.007	1.1	0.07
01:00	0.026	0.015	0.011	1.5	0.08
01:05	0.026	0.015	0.011	1.5	0.09
01:10	0.026	0.015	0.011	1.5	0.10
01:15	0.026	0.015	0.011	1.5	0.11
01:20	0.026	0.015	0.011	1.5	0.12
01:25	0.026	0.015	0.011	1.5	0.13
01:30	0.026	0.015	0.011	1.5	0.14
01:35	0.026	0.015	0.011	1.5	0.15
01:40	0.026	0.015	0.011	1.5	0.16
01:45	0.026	0.015	0.011	1.5	0.17
01:50	0.026	0.015	0.011	1.5	0.18
01:55	0.026	0.015	0.011	1.5	0.19
02:00	0.029	0.015	0.014	1.9	0.21
02:05	0.026	0.015	0.011	1.6	0.22
02:10	0.029	0.015	0.014	1.9	0.23
02:15	0.029	0.015	0.014	2.0	0.25
02:20	0.029	0.015	0.014	2.0	0.26
02:25	0.029	0.015	0.014	2.0	0.27
02:30	0.029	0.015	0.014	2.0	0.29
02:35	0.029	0.015	0.014	2.0	0.30
02:40	0.029	0.015	0.014	2.0	0.32
02:45	0.032	0.015	0.017	2.4	0.33
02:50	0.032	0.015	0.017	2.4	0.35
02:55	0.032	0.015	0.017	2.5	0.37
03:00	0.032	0.015	0.017	2.5	0.38
03:05	0.032	0.015	0.017	2.5	0.40
03:10	0.035	0.015	0.020	2.9	0.42
03:15	0.035	0.015	0.020	2.9	0.44
03:20	0.035	0.015	0.020	2.9	0.46
03:25	0.038	0.015	0.023	3.3	0.48
03:30	0.042	0.015	0.027	3.7	0.51
03:35	0.045	0.015	0.030	4.2	0.54
03:40	0.045	0.015	0.030	4.3	0.57
03:45	0.048	0.015	0.033	4.7	0.60
03:50	0.048	0.015	0.033	4.8	0.63
03:55	0.051	0.015	0.036	5.2	0.67
04:00	0.051	0.015	0.036	5.2	0.70
04:05	0.054	0.015	0.039	5.6	0.74
04:10	0.058	0.015	0.043	6.1	0.78
04:15	0.061	0.015	0.046	6.5	0.83
04:20	0.064	0.015	0.049	7.0	0.88
04:25	0.067	0.015	0.052	7.5	0.93
04:30	0.067	0.015	0.052	7.6	0.98
04:35	0.070	0.015	0.055	8.0	1.04
04:40	0.074	0.015	0.059	8.4	1.09
04:45	0.077	0.015	0.062	8.9	1.15
04:50	0.077	0.015	0.062	8.9	1.22
04:55	0.080	0.015	0.065	9.4	1.28
05:00	0.083	0.015	0.068	9.8	1.35
05:05	0.099	0.015	0.084	11.8	1.43
05:10	0.115	0.015	0.100	14.0	1.53
05:15	0.125	0.015	0.110	15.5	1.63
05:20	0.134	0.015	0.119	16.9	1.75
05:25	0.150	0.015	0.135	19.1	1.88

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.015	0.164	22.9	2.04
05:35	0.061	0.015	0.046	9.6	2.10
05:40	0.029	0.015	0.014	4.1	2.13
05:45	0.019	0.014	0.005	1.8	2.14
05:50	0.016	0.012	0.004	0.9	2.15
05:55	0.010	0.007	0.003	0.5	2.15
06:00	0.006	0.005	0.002	0.3	2.16
06:05	0.000	0.000	0.000	0.1	2.16
06:10	0.000	0.000	0.000	0.0	2.16
06:15	0.000	0.000	0.000	0.0	2.16
06:20	0.000	0.000	0.000	0.0	2.16
06:25	0.000	0.000	0.000	0.0	2.16
06:30	0.000	0.000	0.000	0.0	2.16
06:35	0.000	0.000	0.000	0.0	2.16
06:40	0.000	0.000	0.000	0.0	2.16
06:45	0.000	0.000	0.000	0.0	2.16
06:50	0.000	0.000	0.000	0.0	2.16
06:55	0.000	0.000	0.000	0.0	2.16
07:00	0.000	0.000	0.000	0.0	2.16
07:05	0.000	0.000	0.000	0.0	2.16
07:10	0.000	0.000	0.000	0.0	2.16
07:15	0.000	0.000	0.000	0.0	2.16
07:20	0.000	0.000	0.000	0.0	2.16
07:25	0.000	0.000	0.000	0.0	2.16
07:30	0.000	0.000	0.000	0.0	2.16
07:35	0.000	0.000	0.000	0.0	2.16
07:40	0.000	0.000	0.000	0.0	2.16
07:45	0.000	0.000	0.000	0.0	2.16
07:50	0.000	0.000	0.000	0.0	2.16
07:55	0.000	0.000	0.000	0.0	2.16
08:00	0.000	0.000	0.000	0.0	2.16
08:05	0.000	0.000	0.000	0.0	2.16
08:10	0.000	0.000	0.000	0.0	2.16
08:15	0.000	0.000	0.000	0.0	2.16
08:20	0.000	0.000	0.000	0.0	2.16
08:25	0.000	0.000	0.000	0.0	2.16
08:30	0.000	0.000	0.000	0.0	2.16
08:35	0.000	0.000	0.000	0.0	2.16
08:40	0.000	0.000	0.000	0.0	2.16
08:45	0.000	0.000	0.000	0.0	2.16
08:50	0.000	0.000	0.000	0.0	2.16
08:55	0.000	0.000	0.000	0.0	2.16
09:00	0.000	0.000	0.000	0.0	2.16
09:05	0.000	0.000	0.000	0.0	2.16
09:10	0.000	0.000	0.000	0.0	2.16
09:15	0.000	0.000	0.000	0.0	2.16
09:20	0.000	0.000	0.000	0.0	2.16
09:25	0.000	0.000	0.000	0.0	2.16
09:30	0.000	0.000	0.000	0.0	2.16
09:35	0.000	0.000	0.000	0.0	2.16
09:40	0.000	0.000	0.000	0.0	2.16
09:45	0.000	0.000	0.000	0.0	2.16
09:50	0.000	0.000	0.000	0.0	2.16
09:55	0.000	0.000	0.000	0.0	2.16
10:00	0.000	0.000	0.000	0.0	2.16
10:05	0.000	0.000	0.000	0.0	2.16
10:10	0.000	0.000	0.000	0.0	2.16
10:15	0.000	0.000	0.000	0.0	2.16
10:20	0.000	0.000	0.000	0.0	2.16
10:25	0.000	0.000	0.000	0.0	2.16
10:30	0.000	0.000	0.000	0.0	2.16
10:35	0.000	0.000	0.000	0.0	2.16

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.9	0.01
00:10	0.019	0.002	0.017	1.3	0.01
00:15	0.019	0.002	0.017	1.4	0.02
00:20	0.019	0.002	0.017	1.4	0.03
00:25	0.019	0.002	0.017	1.4	0.04
00:30	0.022	0.002	0.020	1.6	0.05
00:35	0.022	0.002	0.020	1.7	0.07
00:40	0.022	0.002	0.020	1.7	0.08
00:45	0.022	0.002	0.020	1.7	0.09
00:50	0.022	0.002	0.020	1.7	0.10
00:55	0.022	0.002	0.020	1.7	0.11
01:00	0.026	0.002	0.023	1.9	0.13
01:05	0.026	0.002	0.023	2.0	0.14
01:10	0.026	0.002	0.023	2.0	0.15
01:15	0.026	0.002	0.023	2.0	0.17
01:20	0.026	0.002	0.023	2.0	0.18
01:25	0.026	0.002	0.023	2.0	0.19
01:30	0.026	0.002	0.023	2.0	0.21
01:35	0.026	0.002	0.023	2.0	0.22
01:40	0.026	0.002	0.023	2.0	0.24
01:45	0.026	0.002	0.023	2.0	0.25
01:50	0.026	0.002	0.023	2.0	0.26
01:55	0.026	0.002	0.023	2.0	0.28
02:00	0.029	0.002	0.027	2.2	0.29
02:05	0.026	0.002	0.023	2.0	0.31
02:10	0.029	0.002	0.027	2.2	0.32
02:15	0.029	0.002	0.027	2.2	0.34
02:20	0.029	0.002	0.027	2.2	0.35
02:25	0.029	0.002	0.027	2.3	0.37
02:30	0.029	0.002	0.027	2.3	0.38
02:35	0.029	0.002	0.027	2.3	0.40
02:40	0.029	0.002	0.027	2.3	0.41
02:45	0.032	0.002	0.030	2.5	0.43
02:50	0.032	0.002	0.030	2.5	0.45
02:55	0.032	0.002	0.030	2.5	0.47
03:00	0.032	0.002	0.030	2.5	0.48
03:05	0.032	0.002	0.030	2.5	0.50
03:10	0.035	0.002	0.033	2.7	0.52
03:15	0.035	0.002	0.033	2.8	0.54
03:20	0.035	0.002	0.033	2.8	0.56
03:25	0.038	0.002	0.036	3.0	0.58
03:30	0.042	0.002	0.039	3.3	0.60
03:35	0.045	0.002	0.043	3.5	0.63
03:40	0.045	0.002	0.043	3.6	0.65
03:45	0.048	0.002	0.046	3.8	0.68
03:50	0.048	0.002	0.046	3.9	0.70
03:55	0.051	0.002	0.049	4.1	0.73
04:00	0.051	0.002	0.049	4.1	0.76
04:05	0.054	0.002	0.052	4.4	0.79
04:10	0.058	0.002	0.055	4.6	0.82
04:15	0.061	0.002	0.059	4.9	0.85
04:20	0.064	0.002	0.062	5.1	0.89
04:25	0.067	0.002	0.065	5.4	0.93
04:30	0.067	0.002	0.065	5.5	0.97
04:35	0.070	0.002	0.068	5.7	1.00
04:40	0.074	0.002	0.071	6.0	1.05
04:45	0.077	0.002	0.075	6.2	1.09
04:50	0.077	0.002	0.075	6.3	1.13
04:55	0.080	0.002	0.078	6.5	1.18
05:00	0.083	0.002	0.081	6.8	1.22
05:05	0.099	0.002	0.097	7.9	1.28
05:10	0.115	0.002	0.113	9.1	1.34
05:15	0.125	0.002	0.123	10.0	1.41
05:20	0.134	0.002	0.132	10.9	1.48
05:25	0.150	0.002	0.148	12.1	1.57

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	14.3	1.67
05:35	0.061	0.002	0.059	7.3	1.72
05:40	0.029	0.002	0.027	3.8	1.74
05:45	0.019	0.002	0.017	2.4	1.76
05:50	0.016	0.002	0.014	1.6	1.77
05:55	0.010	0.002	0.007	0.9	1.78
06:00	0.006	0.002	0.004	0.5	1.78
06:05	0.000	0.000	0.000	0.2	1.78
06:10	0.000	0.000	0.000	0.1	1.78
06:15	0.000	0.000	0.000	0.0	1.78
06:20	0.000	0.000	0.000	0.0	1.78
06:25	0.000	0.000	0.000	0.0	1.78
06:30	0.000	0.000	0.000	0.0	1.78
06:35	0.000	0.000	0.000	0.0	1.78
06:40	0.000	0.000	0.000	0.0	1.78
06:45	0.000	0.000	0.000	0.0	1.78
06:50	0.000	0.000	0.000	0.0	1.78
06:55	0.000	0.000	0.000	0.0	1.78
07:00	0.000	0.000	0.000	0.0	1.78
07:05	0.000	0.000	0.000	0.0	1.78
07:10	0.000	0.000	0.000	0.0	1.78
07:15	0.000	0.000	0.000	0.0	1.78
07:20	0.000	0.000	0.000	0.0	1.78
07:25	0.000	0.000	0.000	0.0	1.78
07:30	0.000	0.000	0.000	0.0	1.78
07:35	0.000	0.000	0.000	0.0	1.78
07:40	0.000	0.000	0.000	0.0	1.78
07:45	0.000	0.000	0.000	0.0	1.78
07:50	0.000	0.000	0.000	0.0	1.78
07:55	0.000	0.000	0.000	0.0	1.78
08:00	0.000	0.000	0.000	0.0	1.78
08:05	0.000	0.000	0.000	0.0	1.78
08:10	0.000	0.000	0.000	0.0	1.78
08:15	0.000	0.000	0.000	0.0	1.78
08:20	0.000	0.000	0.000	0.0	1.78
08:25	0.000	0.000	0.000	0.0	1.78
08:30	0.000	0.000	0.000	0.0	1.78
08:35	0.000	0.000	0.000	0.0	1.78
08:40	0.000	0.000	0.000	0.0	1.78
08:45	0.000	0.000	0.000	0.0	1.78
08:50	0.000	0.000	0.000	0.0	1.78
08:55	0.000	0.000	0.000	0.0	1.78
09:00	0.000	0.000	0.000	0.0	1.78
09:05	0.000	0.000	0.000	0.0	1.78
09:10	0.000	0.000	0.000	0.0	1.78
09:15	0.000	0.000	0.000	0.0	1.78
09:20	0.000	0.000	0.000	0.0	1.78
09:25	0.000	0.000	0.000	0.0	1.78
09:30	0.000	0.000	0.000	0.0	1.78
09:35	0.000	0.000	0.000	0.0	1.78
09:40	0.000	0.000	0.000	0.0	1.78
09:45	0.000	0.000	0.000	0.0	1.78
09:50	0.000	0.000	0.000	0.0	1.78
09:55	0.000	0.000	0.000	0.0	1.78
10:00	0.000	0.000	0.000	0.0	1.78
10:05	0.000	0.000	0.000	0.0	1.78
10:10	0.000	0.000	0.000	0.0	1.78
10:15	0.000	0.000	0.000	0.0	1.78
10:20	0.000	0.000	0.000	0.0	1.78
10:25	0.000	0.000	0.000	0.0	1.78
10:30	0.000	0.000	0.000	0.0	1.78
10:35	0.000	0.000	0.000	0.0	1.78

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.1	0.00
00:10	0.019	0.002	0.017	0.3	0.00
00:15	0.019	0.002	0.017	0.4	0.01
00:20	0.019	0.002	0.017	0.4	0.01
00:25	0.019	0.002	0.017	0.5	0.01
00:30	0.022	0.002	0.020	0.5	0.02
00:35	0.022	0.002	0.020	0.6	0.02
00:40	0.022	0.002	0.020	0.6	0.02
00:45	0.022	0.002	0.020	0.6	0.03
00:50	0.022	0.002	0.020	0.6	0.03
00:55	0.022	0.002	0.020	0.6	0.04
01:00	0.026	0.002	0.024	0.6	0.04
01:05	0.026	0.002	0.024	0.7	0.04
01:10	0.026	0.002	0.024	0.7	0.05
01:15	0.026	0.002	0.024	0.7	0.05
01:20	0.026	0.002	0.024	0.7	0.06
01:25	0.026	0.002	0.024	0.7	0.06
01:30	0.026	0.002	0.024	0.7	0.07
01:35	0.026	0.002	0.024	0.7	0.07
01:40	0.026	0.002	0.024	0.7	0.08
01:45	0.026	0.002	0.024	0.7	0.08
01:50	0.026	0.002	0.024	0.7	0.09
01:55	0.026	0.002	0.024	0.7	0.09
02:00	0.029	0.002	0.027	0.8	0.10
02:05	0.026	0.002	0.024	0.8	0.10
02:10	0.029	0.002	0.027	0.8	0.11
02:15	0.029	0.002	0.027	0.8	0.12
02:20	0.029	0.002	0.027	0.8	0.12
02:25	0.029	0.002	0.027	0.8	0.13
02:30	0.029	0.002	0.027	0.8	0.13
02:35	0.029	0.002	0.027	0.8	0.14
02:40	0.029	0.002	0.027	0.8	0.14
02:45	0.032	0.002	0.030	0.9	0.15
02:50	0.032	0.002	0.030	0.9	0.16
02:55	0.032	0.002	0.030	0.9	0.16
03:00	0.032	0.002	0.030	0.9	0.17
03:05	0.032	0.002	0.030	0.9	0.17
03:10	0.035	0.002	0.033	0.9	0.18
03:15	0.035	0.002	0.033	1.0	0.19
03:20	0.035	0.002	0.033	1.0	0.19
03:25	0.038	0.002	0.036	1.0	0.20
03:30	0.042	0.002	0.040	1.1	0.21
03:35	0.045	0.002	0.043	1.2	0.22
03:40	0.045	0.002	0.043	1.2	0.23
03:45	0.048	0.002	0.046	1.3	0.23
03:50	0.048	0.002	0.046	1.3	0.24
03:55	0.051	0.002	0.049	1.4	0.25
04:00	0.051	0.002	0.049	1.4	0.26
04:05	0.054	0.002	0.052	1.5	0.27
04:10	0.058	0.002	0.056	1.6	0.28
04:15	0.061	0.002	0.059	1.7	0.30
04:20	0.064	0.002	0.062	1.7	0.31
04:25	0.067	0.002	0.065	1.8	0.32
04:30	0.067	0.002	0.065	1.9	0.33
04:35	0.070	0.002	0.068	2.0	0.35
04:40	0.074	0.002	0.072	2.0	0.36
04:45	0.077	0.002	0.075	2.1	0.38
04:50	0.077	0.002	0.075	2.2	0.39
04:55	0.080	0.002	0.078	2.3	0.41
05:00	0.083	0.002	0.081	2.3	0.42
05:05	0.099	0.002	0.097	2.5	0.44
05:10	0.115	0.002	0.113	2.9	0.46
05:15	0.125	0.002	0.123	3.2	0.48
05:20	0.134	0.002	0.132	3.5	0.51
05:25	0.150	0.002	0.148	3.9	0.53

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	4.4	0.56
05:35	0.061	0.002	0.059	4.0	0.59
05:40	0.029	0.002	0.027	2.6	0.61
05:45	0.019	0.002	0.017	1.7	0.62
05:50	0.016	0.002	0.014	1.3	0.63
05:55	0.010	0.002	0.008	0.9	0.63
06:00	0.006	0.002	0.004	0.7	0.64
06:05	0.000	0.000	0.000	0.5	0.64
06:10	0.000	0.000	0.000	0.4	0.65
06:15	0.000	0.000	0.000	0.3	0.65
06:20	0.000	0.000	0.000	0.2	0.65
06:25	0.000	0.000	0.000	0.2	0.65
06:30	0.000	0.000	0.000	0.1	0.65
06:35	0.000	0.000	0.000	0.1	0.65
06:40	0.000	0.000	0.000	0.0	0.65
06:45	0.000	0.000	0.000	0.0	0.65
06:50	0.000	0.000	0.000	0.0	0.65
06:55	0.000	0.000	0.000	0.0	0.65
07:00	0.000	0.000	0.000	0.0	0.65
07:05	0.000	0.000	0.000	0.0	0.65
07:10	0.000	0.000	0.000	0.0	0.65
07:15	0.000	0.000	0.000	0.0	0.65
07:20	0.000	0.000	0.000	0.0	0.65
07:25	0.000	0.000	0.000	0.0	0.65
07:30	0.000	0.000	0.000	0.0	0.65
07:35	0.000	0.000	0.000	0.0	0.65
07:40	0.000	0.000	0.000	0.0	0.65
07:45	0.000	0.000	0.000	0.0	0.65
07:50	0.000	0.000	0.000	0.0	0.65
07:55	0.000	0.000	0.000	0.0	0.65
08:00	0.000	0.000	0.000	0.0	0.65
08:05	0.000	0.000	0.000	0.0	0.65
08:10	0.000	0.000	0.000	0.0	0.65
08:15	0.000	0.000	0.000	0.0	0.65
08:20	0.000	0.000	0.000	0.0	0.65
08:25	0.000	0.000	0.000	0.0	0.65
08:30	0.000	0.000	0.000	0.0	0.65
08:35	0.000	0.000	0.000	0.0	0.65
08:40	0.000	0.000	0.000	0.0	0.65
08:45	0.000	0.000	0.000	0.0	0.65
08:50	0.000	0.000	0.000	0.0	0.65
08:55	0.000	0.000	0.000	0.0	0.65
09:00	0.000	0.000	0.000	0.0	0.65
09:05	0.000	0.000	0.000	0.0	0.65
09:10	0.000	0.000	0.000	0.0	0.65
09:15	0.000	0.000	0.000	0.0	0.65
09:20	0.000	0.000	0.000	0.0	0.65
09:25	0.000	0.000	0.000	0.0	0.65
09:30	0.000	0.000	0.000	0.0	0.65
09:35	0.000	0.000	0.000	0.0	0.65
09:40	0.000	0.000	0.000	0.0	0.65
09:45	0.000	0.000	0.000	0.0	0.65
09:50	0.000	0.000	0.000	0.0	0.65
09:55	0.000	0.000	0.000	0.0	0.65
10:00	0.000	0.000	0.000	0.0	0.65
10:05	0.000	0.000	0.000	0.0	0.65
10:10	0.000	0.000	0.000	0.0	0.65
10:15	0.000	0.000	0.000	0.0	0.65
10:20	0.000	0.000	0.000	0.0	0.65
10:25	0.000	0.000	0.000	0.0	0.65
10:30	0.000	0.000	0.000	0.0	0.65
10:35	0.000	0.000	0.000	0.0	0.65

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.032	0.000	0.0	0.00
02:50	0.032	0.032	0.000	0.0	0.00
02:55	0.032	0.032	0.000	0.0	0.00
03:00	0.032	0.032	0.000	0.0	0.00
03:05	0.032	0.032	0.000	0.0	0.00
03:10	0.035	0.032	0.004	0.0	0.00
03:15	0.035	0.032	0.004	0.0	0.00
03:20	0.035	0.032	0.004	0.0	0.00
03:25	0.038	0.032	0.007	0.1	0.00
03:30	0.042	0.032	0.010	0.1	0.00
03:35	0.045	0.032	0.013	0.2	0.00
03:40	0.045	0.032	0.013	0.2	0.00
03:45	0.048	0.032	0.016	0.2	0.01
03:50	0.048	0.032	0.016	0.2	0.01
03:55	0.051	0.032	0.020	0.3	0.01
04:00	0.051	0.032	0.020	0.3	0.01
04:05	0.054	0.032	0.023	0.3	0.01
04:10	0.058	0.032	0.026	0.3	0.02
04:15	0.061	0.032	0.029	0.4	0.02
04:20	0.064	0.032	0.032	0.4	0.02
04:25	0.067	0.032	0.036	0.5	0.02
04:30	0.067	0.032	0.036	0.5	0.03
04:35	0.070	0.032	0.039	0.5	0.03
04:40	0.074	0.032	0.042	0.6	0.04
04:45	0.077	0.032	0.045	0.6	0.04
04:50	0.077	0.032	0.045	0.6	0.04
04:55	0.080	0.032	0.048	0.6	0.05
05:00	0.083	0.032	0.052	0.7	0.05
05:05	0.099	0.032	0.068	0.9	0.06
05:10	0.115	0.032	0.084	1.1	0.07
05:15	0.125	0.032	0.093	1.2	0.07
05:20	0.134	0.032	0.103	1.3	0.08
05:25	0.150	0.032	0.119	1.6	0.09

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.032	0.148	1.9	0.11
05:35	0.061	0.032	0.029	0.5	0.11
05:40	0.029	0.029	0.000	0.0	0.11
05:45	0.019	0.019	0.000	0.0	0.11
05:50	0.016	0.016	0.000	0.0	0.11
05:55	0.010	0.010	0.000	0.0	0.11
06:00	0.006	0.006	0.000	0.0	0.11
06:05	0.000	0.000	0.000	0.0	0.11
06:10	0.000	0.000	0.000	0.0	0.11
06:15	0.000	0.000	0.000	0.0	0.11
06:20	0.000	0.000	0.000	0.0	0.11
06:25	0.000	0.000	0.000	0.0	0.11
06:30	0.000	0.000	0.000	0.0	0.11
06:35	0.000	0.000	0.000	0.0	0.11
06:40	0.000	0.000	0.000	0.0	0.11
06:45	0.000	0.000	0.000	0.0	0.11
06:50	0.000	0.000	0.000	0.0	0.11
06:55	0.000	0.000	0.000	0.0	0.11
07:00	0.000	0.000	0.000	0.0	0.11
07:05	0.000	0.000	0.000	0.0	0.11
07:10	0.000	0.000	0.000	0.0	0.11
07:15	0.000	0.000	0.000	0.0	0.11
07:20	0.000	0.000	0.000	0.0	0.11
07:25	0.000	0.000	0.000	0.0	0.11
07:30	0.000	0.000	0.000	0.0	0.11
07:35	0.000	0.000	0.000	0.0	0.11
07:40	0.000	0.000	0.000	0.0	0.11
07:45	0.000	0.000	0.000	0.0	0.11
07:50	0.000	0.000	0.000	0.0	0.11
07:55	0.000	0.000	0.000	0.0	0.11
08:00	0.000	0.000	0.000	0.0	0.11
08:05	0.000	0.000	0.000	0.0	0.11
08:10	0.000	0.000	0.000	0.0	0.11
08:15	0.000	0.000	0.000	0.0	0.11
08:20	0.000	0.000	0.000	0.0	0.11
08:25	0.000	0.000	0.000	0.0	0.11
08:30	0.000	0.000	0.000	0.0	0.11
08:35	0.000	0.000	0.000	0.0	0.11
08:40	0.000	0.000	0.000	0.0	0.11
08:45	0.000	0.000	0.000	0.0	0.11
08:50	0.000	0.000	0.000	0.0	0.11
08:55	0.000	0.000	0.000	0.0	0.11
09:00	0.000	0.000	0.000	0.0	0.11
09:05	0.000	0.000	0.000	0.0	0.11
09:10	0.000	0.000	0.000	0.0	0.11
09:15	0.000	0.000	0.000	0.0	0.11
09:20	0.000	0.000	0.000	0.0	0.11
09:25	0.000	0.000	0.000	0.0	0.11
09:30	0.000	0.000	0.000	0.0	0.11
09:35	0.000	0.000	0.000	0.0	0.11
09:40	0.000	0.000	0.000	0.0	0.11
09:45	0.000	0.000	0.000	0.0	0.11
09:50	0.000	0.000	0.000	0.0	0.11
09:55	0.000	0.000	0.000	0.0	0.11
10:00	0.000	0.000	0.000	0.0	0.11
10:05	0.000	0.000	0.000	0.0	0.11
10:10	0.000	0.000	0.000	0.0	0.11
10:15	0.000	0.000	0.000	0.0	0.11
10:20	0.000	0.000	0.000	0.0	0.11
10:25	0.000	0.000	0.000	0.0	0.11
10:30	0.000	0.000	0.000	0.0	0.11
10:35	0.000	0.000	0.000	0.0	0.11

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.0	0.0	0.00	0.00
00:10	0.00	0.0	0.0	0.00	0.00
00:15	0.00	0.0	0.0	0.00	0.00
00:20	0.00	0.0	0.0	0.00	0.00
00:25	0.00	0.0	0.0	0.00	0.00
00:30	0.00	0.0	0.0	0.00	0.00
00:35	0.00	0.0	0.0	0.00	0.00
00:40	0.00	0.0	0.0	0.00	0.00
00:45	0.00	0.0	0.0	0.00	0.00
00:50	0.00	0.0	0.0	0.00	0.00
00:55	0.00	0.0	0.0	0.00	0.00
01:00	0.00	0.0	0.0	0.00	0.00
01:05	0.00	0.0	0.0	0.00	0.00
01:10	0.00	0.0	0.0	0.00	0.00
01:15	0.00	0.0	0.0	0.00	0.00
01:20	0.00	0.0	0.0	0.00	0.00
01:25	0.00	0.0	0.0	0.00	0.00
01:30	0.00	0.0	0.0	0.00	0.00
01:35	0.00	0.0	0.0	0.00	0.00
01:40	0.00	0.0	0.0	0.00	0.00
01:45	0.00	0.0	0.0	0.00	0.00
01:50	0.00	0.0	0.0	0.00	0.00
01:55	0.00	0.0	0.0	0.00	0.00
02:00	0.00	0.0	0.0	0.00	0.00
02:05	0.00	0.0	0.0	0.00	0.00
02:10	0.00	0.0	0.0	0.00	0.00
02:15	0.00	0.0	0.0	0.00	0.00
02:20	0.00	0.0	0.0	0.00	0.00
02:25	0.00	0.0	0.0	0.00	0.00
02:30	0.00	0.0	0.0	0.00	0.00
02:35	0.00	0.0	0.0	0.00	0.00
02:40	0.00	0.0	0.0	0.00	0.00
02:45	0.00	0.0	0.0	0.00	0.00
02:50	0.00	0.0	0.0	0.00	0.00
02:55	0.00	0.0	0.0	0.00	0.00
03:00	0.01	0.0	0.0	0.00	0.00
03:05	0.01	0.0	0.0	0.00	0.00
03:10	0.02	0.0	0.0	0.00	0.00
03:15	0.04	0.0	0.0	0.00	0.00
03:20	0.05	0.0	0.0	0.00	0.00
03:25	0.08	0.0	0.1	0.00	0.00
03:30	0.12	0.0	0.1	0.00	0.00
03:35	0.18	0.0	0.2	0.00	0.00
03:40	0.25	0.0	0.2	0.00	0.00
03:45	0.33	0.0	0.2	0.01	0.01
03:50	0.41	0.0	0.2	0.01	0.01
03:55	0.51	0.0	0.3	0.01	0.01
04:00	0.61	0.0	0.3	0.01	0.01
04:05	0.72	0.0	0.3	0.01	0.01
04:10	0.85	0.0	0.3	0.01	0.02
04:15	0.99	0.0	0.4	0.02	0.02
04:20	1.09	0.0	0.4	0.02	0.02
04:25	1.20	0.0	0.5	0.02	0.02
04:30	1.31	0.0	0.5	0.03	0.03
04:35	1.42	0.0	0.5	0.03	0.03
04:40	1.55	0.0	0.6	0.03	0.04
04:45	1.69	0.0	0.6	0.04	0.04
04:50	1.83	0.0	0.6	0.04	0.04
04:55	1.97	0.0	0.6	0.05	0.05
05:00	2.09	0.0	0.7	0.05	0.05
05:05	2.21	0.0	0.9	0.06	0.06
05:10	2.37	0.0	1.1	0.06	0.07
05:15	2.55	0.0	1.2	0.07	0.07
05:20	2.76	0.0	1.3	0.08	0.08
05:25	2.99	0.1	1.6	0.09	0.09

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.18	0.1	1.9	0.10	0.11
05:35	3.28	0.1	0.5	0.11	0.11
05:40	3.26	0.1	0.0	0.10	0.11
05:45	3.22	0.1	0.0	0.10	0.11
05:50	3.19	0.1	0.0	0.10	0.11
05:55	3.16	0.1	0.0	0.10	0.11
06:00	3.14	0.1	0.0	0.10	0.11
06:05	3.12	0.1	0.0	0.10	0.11
06:10	3.11	0.1	0.0	0.10	0.11
06:15	3.10	0.1	0.0	0.10	0.11
06:20	3.09	0.1	0.0	0.09	0.11
06:25	3.08	0.1	0.0	0.09	0.11
06:30	3.07	0.1	0.0	0.09	0.11
06:35	3.07	0.1	0.0	0.09	0.11
06:40	3.06	0.1	0.0	0.09	0.11
06:45	3.06	0.1	0.0	0.09	0.11
06:50	3.05	0.1	0.0	0.09	0.11
06:55	3.05	0.1	0.0	0.09	0.11
07:00	3.05	0.1	0.0	0.09	0.11
07:05	3.04	0.1	0.0	0.09	0.11
07:10	3.04	0.1	0.0	0.09	0.11
07:15	3.04	0.1	0.0	0.09	0.11
07:20	3.03	0.1	0.0	0.09	0.11
07:25	3.03	0.1	0.0	0.09	0.11
07:30	3.03	0.1	0.0	0.09	0.11
07:35	3.03	0.1	0.0	0.09	0.11
07:40	3.03	0.1	0.0	0.09	0.11
07:45	3.03	0.1	0.0	0.09	0.11
07:50	3.02	0.1	0.0	0.09	0.11
07:55	3.02	0.1	0.0	0.09	0.11
08:00	3.02	0.1	0.0	0.09	0.11
08:05	3.02	0.1	0.0	0.09	0.11
08:10	3.02	0.1	0.0	0.09	0.11
08:15	3.02	0.1	0.0	0.09	0.11
08:20	3.02	0.1	0.0	0.09	0.11
08:25	3.02	0.1	0.0	0.09	0.11
08:30	3.02	0.1	0.0	0.09	0.11
08:35	3.02	0.1	0.0	0.09	0.11
08:40	3.02	0.1	0.0	0.09	0.11
08:45	3.01	0.1	0.0	0.09	0.11
08:50	3.01	0.1	0.0	0.09	0.11
08:55	3.01	0.1	0.0	0.09	0.11
09:00	3.01	0.1	0.0	0.09	0.11
09:05	3.01	0.1	0.0	0.09	0.11
09:10	3.01	0.1	0.0	0.09	0.11
09:15	3.01	0.1	0.0	0.09	0.11
09:20	3.01	0.1	0.0	0.09	0.11
09:25	3.01	0.1	0.0	0.09	0.11
09:30	3.01	0.1	0.0	0.09	0.11
09:35	3.01	0.1	0.0	0.09	0.11
09:40	3.01	0.1	0.0	0.09	0.11
09:45	3.01	0.1	0.0	0.09	0.11
09:50	3.01	0.1	0.0	0.09	0.11
09:55	3.01	0.1	0.0	0.09	0.11
10:00	3.01	0.1	0.0	0.09	0.11
10:05	3.01	0.1	0.0	0.09	0.11
10:10	3.01	0.1	0.0	0.09	0.11
10:15	3.01	0.1	0.0	0.09	0.11
10:20	3.01	0.1	0.0	0.09	0.11
10:25	3.01	0.1	0.0	0.09	0.11
10:30	3.01	0.1	0.0	0.09	0.11
10:35	3.01	0.1	0.0	0.09	0.11

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.0	0.00	0.00
00:20	0.0	0.00	0.00
00:25	0.0	0.00	0.00
00:30	0.0	0.00	0.00
00:35	0.0	0.00	0.00
00:40	0.0	0.00	0.00
00:45	0.0	0.00	0.00
00:50	0.0	0.00	0.00
00:55	0.0	0.00	0.00
01:00	0.0	0.00	0.00
01:05	0.0	0.00	0.00
01:10	0.0	0.00	0.00
01:15	0.0	0.00	0.00
01:20	0.0	0.00	0.00
01:25	0.0	0.00	0.00
01:30	0.0	0.00	0.00
01:35	0.0	0.00	0.00
01:40	0.0	0.00	0.00
01:45	0.0	0.00	0.00
01:50	0.0	0.00	0.00
01:55	0.0	0.00	0.00
02:00	0.0	0.00	0.00
02:05	0.0	0.00	0.00
02:10	0.0	0.00	0.00
02:15	0.0	0.00	0.00
02:20	0.0	0.00	0.00
02:25	0.0	0.00	0.00
02:30	0.0	0.00	0.00
02:35	0.0	0.00	0.00
02:40	0.0	0.00	0.00
02:45	0.0	0.00	0.00
02:50	0.0	0.00	0.00
02:55	0.0	0.00	0.00
03:00	0.0	0.00	0.00
03:05	0.0	0.00	0.00
03:10	0.0	0.00	0.00
03:15	0.0	0.00	0.00
03:20	0.0	0.00	0.00
03:25	0.0	0.00	0.00
03:30	0.0	0.00	0.00
03:35	0.0	0.00	0.00
03:40	0.0	0.00	0.00
03:45	0.0	0.00	0.00
03:50	0.0	0.00	0.00
03:55	0.0	0.00	0.00
04:00	0.0	0.00	0.00
04:05	0.0	0.00	0.00
04:10	0.0	0.00	0.00
04:15	0.0	0.00	0.00
04:20	0.0	0.00	0.00
04:25	0.0	0.00	0.00
04:30	0.0	0.00	0.00
04:35	0.0	0.00	0.00
04:40	0.0	0.00	0.00
04:45	0.0	0.00	0.00
04:50	0.0	0.00	0.00
04:55	0.0	0.00	0.00
05:00	0.0	0.00	0.00
05:05	0.0	0.00	0.00
05:10	0.0	0.00	0.00
05:15	0.0	0.00	0.00
05:20	0.0	0.00	0.00
05:25	0.0	0.00	0.00

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	0.2	1.68	0.00
05:35	0.4	4.75	0.00
05:40	0.4	5.20	0.01
05:45	0.3	5.06	0.01
05:50	0.2	4.83	0.01
05:55	0.2	4.62	0.01
06:00	0.2	4.44	0.01
06:05	0.1	4.27	0.01
06:10	0.1	4.12	0.02
06:15	0.1	3.98	0.02
06:20	0.1	3.85	0.02
06:25	0.1	3.74	0.02
06:30	0.1	3.63	0.02
06:35	0.1	3.53	0.02
06:40	0.0	3.44	0.02
06:45	0.0	3.35	0.02
06:50	0.0	3.27	0.02
06:55	0.0	3.19	0.02
07:00	0.0	3.12	0.02
07:05	0.0	3.05	0.02
07:10	0.0	2.99	0.02
07:15	0.0	2.93	0.02
07:20	0.0	2.87	0.02
07:25	0.0	2.81	0.02
07:30	0.0	2.65	0.02
07:35	0.0	2.60	0.02
07:40	0.0	2.55	0.02
07:45	0.0	2.51	0.02
07:50	0.0	2.46	0.02
07:55	0.0	2.42	0.02
08:00	0.0	2.38	0.02
08:05	0.0	2.34	0.02
08:10	0.0	2.30	0.02
08:15	0.0	2.26	0.02
08:20	0.0	2.23	0.02
08:25	0.0	2.19	0.02
08:30	0.0	2.16	0.02
08:35	0.0	2.13	0.02
08:40	0.0	2.10	0.02
08:45	0.0	2.07	0.02
08:50	0.0	2.04	0.02
08:55	0.0	2.01	0.02
09:00	0.0	1.99	0.02
09:05	0.0	1.96	0.02
09:10	0.0	1.94	0.02
09:15	0.0	1.91	0.02
09:20	0.0	1.89	0.02
09:25	0.0	1.87	0.02
09:30	0.0	1.85	0.02
09:35	0.0	1.82	0.02
09:40	0.0	1.80	0.02
09:45	0.0	1.78	0.02
09:50	0.0	1.76	0.02
09:55	0.0	1.74	0.02
10:00	0.0	1.72	0.02
10:05	0.0	1.71	0.02
10:10	0.0	1.69	0.02
10:15	0.0	1.67	0.02
10:20	0.0	1.65	0.02
10:25	0.0	1.64	0.02
10:30	0.0	0.88	0.02
10:35	0.0	0.67	0.02

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	2.4	6.21	0.8	0.01
00:10	3.5	8.01	3.0	0.03
00:15	3.7	8.31	3.6	0.05
00:20	3.9	8.40	3.8	0.08
00:25	3.9	8.44	3.9	0.10
00:30	4.8	8.66	4.4	0.13
00:35	5.0	8.83	4.9	0.17
00:40	5.0	8.87	5.0	0.20
00:45	5.0	8.88	5.0	0.24
00:50	5.1	8.89	5.0	0.27
00:55	5.1	8.90	5.1	0.31
01:00	6.3	9.14	5.8	0.35
01:05	6.5	9.32	6.4	0.39
01:10	6.5	9.35	6.5	0.44
01:15	6.6	9.36	6.6	0.48
01:20	6.6	9.37	6.6	0.53
01:25	6.6	9.37	6.6	0.57
01:30	6.6	9.37	6.6	0.62
01:35	6.6	9.37	6.6	0.66
01:40	6.6	9.37	6.6	0.71
01:45	6.6	9.37	6.6	0.75
01:50	6.6	9.37	6.6	0.80
01:55	6.6	9.37	6.6	0.84
02:00	7.8	9.58	7.3	0.89
02:05	6.8	9.53	7.2	0.94
02:10	7.8	9.61	7.4	0.99
02:15	8.0	9.74	8.0	1.05
02:20	8.0	9.76	8.0	1.10
02:25	8.1	9.76	8.1	1.16
02:30	8.1	9.77	8.1	1.21
02:35	8.1	9.77	8.1	1.27
02:40	8.1	9.77	8.1	1.33
02:45	9.3	9.95	8.8	1.39
02:50	9.5	10.07	9.4	1.45
02:55	9.5	10.09	9.5	1.52
03:00	9.6	10.10	9.6	1.58
03:05	9.6	10.10	9.6	1.65
03:10	10.8	10.26	10.4	1.72
03:15	11.0	10.37	10.9	1.80
03:20	11.0	10.39	11.0	1.87
03:25	12.3	10.54	11.8	1.95
03:30	13.7	10.78	13.2	2.04
03:35	15.1	11.00	14.6	2.14
03:40	15.4	11.10	15.3	2.25
03:45	16.7	11.24	16.3	2.36
03:50	16.9	11.32	16.9	2.48
03:55	18.2	11.44	17.8	2.60
04:00	18.4	11.51	18.4	2.73
04:05	19.7	11.63	19.3	2.86
04:10	21.1	11.79	20.7	3.00
04:15	22.6	11.95	22.1	3.15
04:20	24.1	12.11	23.6	3.32
04:25	25.6	12.26	25.1	3.49
04:30	25.9	12.32	25.8	3.67
04:35	27.2	12.42	26.8	3.85
04:40	28.6	12.54	28.2	4.05
04:45	30.7	12.71	30.1	4.25
04:50	33.4	12.92	32.7	4.48
04:55	37.8	13.22	36.6	4.73
05:00	42.6	13.54	41.4	5.02
05:05	52.6	14.07	50.0	5.36
05:10	63.9	14.64	61.1	5.78
05:15	73.3	15.09	71.1	6.27
05:20	82.7	15.47	80.5	6.82
05:25	94.6	15.89	91.9	7.46

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	112.4	16.42	108.4	8.20
05:35	72.7	15.53	82.0	8.77
05:40	51.3	14.42	56.7	9.16
05:45	39.5	13.63	42.7	9.45
05:50	32.1	13.03	34.2	9.69
05:55	25.9	12.50	27.7	9.88
06:00	21.0	11.99	22.5	10.03
06:05	16.6	11.47	18.0	10.16
06:10	13.6	10.99	14.6	10.26
06:15	11.3	10.59	12.1	10.34
06:20	9.5	10.21	10.1	10.41
06:25	8.0	9.87	8.5	10.47
06:30	6.8	9.55	7.2	10.52
06:35	5.8	9.26	6.2	10.56
06:40	5.0	8.99	5.3	10.60
06:45	4.4	8.74	4.6	10.63
06:50	3.8	8.51	4.1	10.66
06:55	3.4	8.30	3.6	10.68
07:00	3.0	8.10	3.2	10.70
07:05	2.7	7.91	2.8	10.72
07:10	2.4	7.73	2.5	10.74
07:15	2.1	7.57	2.3	10.76
07:20	1.9	7.41	2.0	10.77
07:25	1.7	7.26	1.8	10.78
07:30	1.6	7.12	1.7	10.80
07:35	1.4	6.99	1.5	10.81
07:40	1.3	6.86	1.4	10.82
07:45	1.2	6.74	1.3	10.82
07:50	1.1	6.63	1.2	10.83
07:55	1.0	6.52	1.1	10.84
08:00	0.9	6.41	1.0	10.85
08:05	0.9	6.31	0.9	10.85
08:10	0.8	6.21	0.8	10.86
08:15	0.8	6.12	0.8	10.86
08:20	0.7	6.03	0.7	10.87
08:25	0.7	5.94	0.7	10.87
08:30	0.6	5.86	0.6	10.88
08:35	0.6	5.78	0.6	10.88
08:40	0.5	5.70	0.6	10.89
08:45	0.5	5.63	0.5	10.89
08:50	0.5	5.56	0.5	10.89
08:55	0.4	5.49	0.5	10.90
09:00	0.4	5.42	0.4	10.90
09:05	0.4	5.35	0.4	10.90
09:10	0.4	5.29	0.4	10.90
09:15	0.3	5.23	0.4	10.91
09:20	0.3	5.17	0.3	10.91
09:25	0.3	5.11	0.3	10.91
09:30	0.3	5.06	0.3	10.91
09:35	0.3	5.00	0.3	10.91
09:40	0.3	4.95	0.3	10.92
09:45	0.3	4.90	0.3	10.92
09:50	0.2	4.85	0.2	10.92
09:55	0.2	4.80	0.2	10.92
10:00	0.2	4.75	0.2	10.92
10:05	0.2	4.71	0.2	10.92
10:10	0.2	4.66	0.2	10.93
10:15	0.2	4.62	0.2	10.93
10:20	0.2	4.57	0.2	10.93
10:25	0.2	4.53	0.2	10.93
10:30	0.2	4.49	0.2	10.93
10:35	0.2	4.45	0.2	10.93

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.009	0.007	1.7	0.01
00:10	0.019	0.009	0.010	2.7	0.03
00:15	0.019	0.009	0.010	2.9	0.05
00:20	0.019	0.009	0.010	3.0	0.07
00:25	0.019	0.009	0.010	3.0	0.09
00:30	0.022	0.009	0.014	3.8	0.12
00:35	0.022	0.009	0.014	3.9	0.14
00:40	0.022	0.009	0.014	3.9	0.17
00:45	0.022	0.009	0.014	3.9	0.20
00:50	0.022	0.009	0.014	3.9	0.23
00:55	0.022	0.009	0.014	3.9	0.25
01:00	0.026	0.009	0.017	4.7	0.28
01:05	0.026	0.009	0.017	4.8	0.32
01:10	0.026	0.009	0.017	4.8	0.35
01:15	0.026	0.009	0.017	4.9	0.38
01:20	0.026	0.009	0.017	4.9	0.42
01:25	0.026	0.009	0.017	4.9	0.45
01:30	0.026	0.009	0.017	4.9	0.49
01:35	0.026	0.009	0.017	4.9	0.52
01:40	0.026	0.009	0.017	4.9	0.55
01:45	0.026	0.009	0.017	4.9	0.59
01:50	0.026	0.009	0.017	4.9	0.62
01:55	0.026	0.009	0.017	4.9	0.65
02:00	0.029	0.009	0.020	5.6	0.69
02:05	0.026	0.009	0.017	5.0	0.73
02:10	0.029	0.009	0.020	5.7	0.76
02:15	0.029	0.009	0.020	5.7	0.80
02:20	0.029	0.009	0.020	5.8	0.84
02:25	0.029	0.009	0.020	5.8	0.88
02:30	0.029	0.009	0.020	5.8	0.92
02:35	0.029	0.009	0.020	5.8	0.96
02:40	0.029	0.009	0.020	5.8	1.00
02:45	0.032	0.009	0.023	6.5	1.05
02:50	0.032	0.009	0.023	6.6	1.09
02:55	0.032	0.009	0.023	6.7	1.14
03:00	0.032	0.009	0.023	6.7	1.19
03:05	0.032	0.009	0.023	6.7	1.23
03:10	0.035	0.009	0.026	7.5	1.28
03:15	0.035	0.009	0.026	7.6	1.34
03:20	0.035	0.009	0.026	7.6	1.39
03:25	0.038	0.009	0.030	8.4	1.45
03:30	0.042	0.009	0.033	9.2	1.51
03:35	0.045	0.009	0.036	10.1	1.58
03:40	0.045	0.009	0.036	10.3	1.65
03:45	0.048	0.009	0.039	11.1	1.73
03:50	0.048	0.009	0.039	11.2	1.80
03:55	0.051	0.009	0.042	12.0	1.89
04:00	0.051	0.009	0.042	12.2	1.97
04:05	0.054	0.009	0.046	13.0	2.06
04:10	0.058	0.009	0.049	13.8	2.16
04:15	0.061	0.009	0.052	14.7	2.26
04:20	0.064	0.009	0.055	15.7	2.37
04:25	0.067	0.009	0.058	16.6	2.48
04:30	0.067	0.009	0.058	16.8	2.59
04:35	0.070	0.009	0.062	17.6	2.72
04:40	0.074	0.009	0.065	18.4	2.84
04:45	0.077	0.009	0.068	19.3	2.98
04:50	0.077	0.009	0.068	19.5	3.11
04:55	0.080	0.009	0.071	20.3	3.25
05:00	0.083	0.009	0.074	21.2	3.40
05:05	0.099	0.009	0.090	25.1	3.57
05:10	0.115	0.009	0.106	29.4	3.77
05:15	0.125	0.009	0.116	32.4	4.00
05:20	0.134	0.009	0.126	35.3	4.24
05:25	0.150	0.009	0.142	39.6	4.51

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.009	0.170	47.1	4.84
05:35	0.061	0.009	0.052	20.8	4.98
05:40	0.029	0.009	0.020	9.9	5.05
05:45	0.019	0.009	0.010	5.2	5.08
05:50	0.016	0.009	0.007	2.7	5.10
05:55	0.010	0.005	0.004	1.6	5.11
06:00	0.006	0.004	0.003	1.0	5.12
06:05	0.000	0.000	0.000	0.2	5.12
06:10	0.000	0.000	0.000	0.1	5.12
06:15	0.000	0.000	0.000	0.0	5.12
06:20	0.000	0.000	0.000	0.0	5.12
06:25	0.000	0.000	0.000	0.0	5.12
06:30	0.000	0.000	0.000	0.0	5.12
06:35	0.000	0.000	0.000	0.0	5.12
06:40	0.000	0.000	0.000	0.0	5.12
06:45	0.000	0.000	0.000	0.0	5.12
06:50	0.000	0.000	0.000	0.0	5.12
06:55	0.000	0.000	0.000	0.0	5.12
07:00	0.000	0.000	0.000	0.0	5.12
07:05	0.000	0.000	0.000	0.0	5.12
07:10	0.000	0.000	0.000	0.0	5.12
07:15	0.000	0.000	0.000	0.0	5.12
07:20	0.000	0.000	0.000	0.0	5.12
07:25	0.000	0.000	0.000	0.0	5.12
07:30	0.000	0.000	0.000	0.0	5.12
07:35	0.000	0.000	0.000	0.0	5.12
07:40	0.000	0.000	0.000	0.0	5.12
07:45	0.000	0.000	0.000	0.0	5.12
07:50	0.000	0.000	0.000	0.0	5.12
07:55	0.000	0.000	0.000	0.0	5.12
08:00	0.000	0.000	0.000	0.0	5.12
08:05	0.000	0.000	0.000	0.0	5.12
08:10	0.000	0.000	0.000	0.0	5.12
08:15	0.000	0.000	0.000	0.0	5.12
08:20	0.000	0.000	0.000	0.0	5.12
08:25	0.000	0.000	0.000	0.0	5.12
08:30	0.000	0.000	0.000	0.0	5.12
08:35	0.000	0.000	0.000	0.0	5.12
08:40	0.000	0.000	0.000	0.0	5.12
08:45	0.000	0.000	0.000	0.0	5.12
08:50	0.000	0.000	0.000	0.0	5.12
08:55	0.000	0.000	0.000	0.0	5.12
09:00	0.000	0.000	0.000	0.0	5.12
09:05	0.000	0.000	0.000	0.0	5.12
09:10	0.000	0.000	0.000	0.0	5.12
09:15	0.000	0.000	0.000	0.0	5.12
09:20	0.000	0.000	0.000	0.0	5.12
09:25	0.000	0.000	0.000	0.0	5.12
09:30	0.000	0.000	0.000	0.0	5.12
09:35	0.000	0.000	0.000	0.0	5.12
09:40	0.000	0.000	0.000	0.0	5.12
09:45	0.000	0.000	0.000	0.0	5.12
09:50	0.000	0.000	0.000	0.0	5.12
09:55	0.000	0.000	0.000	0.0	5.12
10:00	0.000	0.000	0.000	0.0	5.12
10:05	0.000	0.000	0.000	0.0	5.12
10:10	0.000	0.000	0.000	0.0	5.12
10:15	0.000	0.000	0.000	0.0	5.12
10:20	0.000	0.000	0.000	0.0	5.12
10:25	0.000	0.000	0.000	0.0	5.12
10:30	0.000	0.000	0.000	0.0	5.12
10:35	0.000	0.000	0.000	0.0	5.12

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.9	1.7	0.01	0.01
00:10	0.02	0.9	2.7	0.02	0.03
00:15	0.04	0.9	2.9	0.04	0.05
00:20	0.07	0.9	3.0	0.06	0.07
00:25	0.09	0.9	3.0	0.08	0.09
00:30	0.11	0.9	3.8	0.10	0.12
00:35	0.14	0.9	3.9	0.13	0.14
00:40	0.17	0.9	3.9	0.16	0.17
00:45	0.20	0.9	3.9	0.18	0.20
00:50	0.23	0.9	3.9	0.21	0.23
00:55	0.26	0.9	3.9	0.24	0.25
01:00	0.29	0.9	4.7	0.27	0.28
01:05	0.32	0.9	4.8	0.30	0.32
01:10	0.36	0.9	4.8	0.33	0.35
01:15	0.40	0.9	4.9	0.37	0.38
01:20	0.43	0.9	4.9	0.40	0.42
01:25	0.47	0.9	4.9	0.44	0.45
01:30	0.50	0.9	4.9	0.47	0.49
01:35	0.54	0.9	4.9	0.50	0.52
01:40	0.58	0.9	4.9	0.54	0.55
01:45	0.61	0.9	4.9	0.57	0.59
01:50	0.65	0.9	4.9	0.60	0.62
01:55	0.68	0.9	4.9	0.64	0.65
02:00	0.72	0.9	5.6	0.67	0.69
02:05	0.76	0.9	5.0	0.71	0.73
02:10	0.80	1.0	5.7	0.75	0.76
02:15	0.84	1.0	5.7	0.78	0.80
02:20	0.89	1.0	5.8	0.82	0.84
02:25	0.93	1.0	5.8	0.86	0.88
02:30	0.97	1.0	5.8	0.90	0.92
02:35	1.01	1.0	5.8	0.94	0.96
02:40	1.05	1.0	5.8	0.98	1.00
02:45	1.10	1.0	6.5	1.03	1.05
02:50	1.14	1.0	6.6	1.07	1.09
02:55	1.19	1.0	6.7	1.12	1.14
03:00	1.23	1.0	6.7	1.16	1.19
03:05	1.28	1.0	6.7	1.21	1.23
03:10	1.33	1.0	7.5	1.26	1.28
03:15	1.38	1.0	7.6	1.31	1.34
03:20	1.43	1.0	7.6	1.36	1.39
03:25	1.49	1.0	8.4	1.42	1.45
03:30	1.55	1.0	9.2	1.48	1.51
03:35	1.61	1.0	10.1	1.54	1.58
03:40	1.68	1.0	10.3	1.61	1.65
03:45	1.76	1.0	11.1	1.69	1.73
03:50	1.83	1.0	11.2	1.77	1.80
03:55	1.91	1.0	12.0	1.85	1.89
04:00	2.00	1.0	12.2	1.93	1.97
04:05	2.08	1.0	13.0	2.02	2.06
04:10	2.16	1.1	13.8	2.11	2.16
04:15	2.25	1.1	14.7	2.21	2.26
04:20	2.35	1.1	15.7	2.31	2.37
04:25	2.45	1.1	16.6	2.42	2.48
04:30	2.56	1.1	16.8	2.54	2.59
04:35	2.67	1.1	17.6	2.66	2.72
04:40	2.78	1.1	18.4	2.78	2.84
04:45	2.90	1.1	19.3	2.91	2.98
04:50	3.02	1.1	19.5	3.04	3.11
04:55	3.13	1.1	20.3	3.17	3.25
05:00	3.24	1.1	21.2	3.29	3.40
05:05	3.34	1.2	25.1	3.41	3.57
05:10	3.44	1.2	29.4	3.53	3.77
05:15	3.55	1.2	32.4	3.65	4.00
05:20	3.64	1.2	35.3	3.76	4.24
05:25	3.73	1.2	39.6	3.87	4.51

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.83	1.2	47.1	3.98	4.84
05:35	3.85	1.2	20.8	4.01	4.98
05:40	3.77	1.2	9.9	3.92	5.05
05:45	3.68	1.2	5.2	3.80	5.08
05:50	3.58	1.2	2.7	3.70	5.10
05:55	3.50	1.2	1.6	3.60	5.11
06:00	3.44	1.2	1.0	3.53	5.12
06:05	3.38	1.2	0.2	3.46	5.12
06:10	3.33	1.2	0.1	3.40	5.12
06:15	3.29	1.1	0.0	3.36	5.12
06:20	3.26	1.1	0.0	3.32	5.12
06:25	3.23	1.1	0.0	3.29	5.12
06:30	3.21	1.1	0.0	3.26	5.12
06:35	3.19	1.1	0.0	3.24	5.12
06:40	3.17	1.1	0.0	3.21	5.12
06:45	3.16	1.1	0.0	3.20	5.12
06:50	3.14	1.1	0.0	3.18	5.12
06:55	3.13	1.1	0.0	3.17	5.12
07:00	3.12	1.1	0.0	3.16	5.12
07:05	3.11	1.1	0.0	3.15	5.12
07:10	3.10	1.1	0.0	3.14	5.12
07:15	3.10	1.1	0.0	3.13	5.12
07:20	3.09	1.1	0.0	3.12	5.12
07:25	3.08	1.1	0.0	3.11	5.12
07:30	3.08	1.1	0.0	3.11	5.12
07:35	3.07	1.1	0.0	3.10	5.12
07:40	3.07	1.1	0.0	3.10	5.12
07:45	3.06	1.1	0.0	3.09	5.12
07:50	3.06	1.1	0.0	3.09	5.12
07:55	3.06	1.1	0.0	3.08	5.12
08:00	3.05	1.1	0.0	3.08	5.12
08:05	3.05	1.1	0.0	3.08	5.12
08:10	3.05	1.1	0.0	3.07	5.12
08:15	3.05	1.1	0.0	3.07	5.12
08:20	3.04	1.1	0.0	3.07	5.12
08:25	3.04	1.1	0.0	3.07	5.12
08:30	3.04	1.1	0.0	3.06	5.12
08:35	3.04	1.1	0.0	3.06	5.12
08:40	3.04	1.1	0.0	3.06	5.12
08:45	3.04	1.1	0.0	3.06	5.12
08:50	3.03	1.1	0.0	3.06	5.12
08:55	3.03	1.1	0.0	3.05	5.12
09:00	3.03	1.1	0.0	3.05	5.12
09:05	3.03	1.1	0.0	3.05	5.12
09:10	3.03	1.1	0.0	3.05	5.12
09:15	3.03	1.1	0.0	3.05	5.12
09:20	3.03	1.1	0.0	3.05	5.12
09:25	3.03	1.1	0.0	3.05	5.12
09:30	3.02	1.1	0.0	3.05	5.12
09:35	3.02	1.1	0.0	3.04	5.12
09:40	3.02	1.1	0.0	3.04	5.12
09:45	3.02	1.1	0.0	3.04	5.12
09:50	3.02	1.1	0.0	3.04	5.12
09:55	3.02	1.1	0.0	3.04	5.12
10:00	3.02	1.1	0.0	3.04	5.12
10:05	3.02	1.1	0.0	3.04	5.12
10:10	3.02	1.1	0.0	3.04	5.12
10:15	3.02	1.1	0.0	3.04	5.12
10:20	3.02	1.1	0.0	3.04	5.12
10:25	3.02	1.1	0.0	3.04	5.12
10:30	3.02	1.1	0.0	3.04	5.12
10:35	3.02	1.1	0.0	3.04	5.12

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.8	0.01
00:10	0.019	0.008	0.012	2.8	0.03
00:15	0.019	0.008	0.012	3.1	0.05
00:20	0.019	0.008	0.012	3.2	0.08
00:25	0.019	0.008	0.012	3.3	0.10
00:30	0.022	0.008	0.015	4.0	0.13
00:35	0.022	0.008	0.015	4.1	0.15
00:40	0.022	0.008	0.015	4.1	0.18
00:45	0.022	0.008	0.015	4.2	0.21
00:50	0.022	0.008	0.015	4.2	0.24
00:55	0.022	0.008	0.015	4.2	0.27
01:00	0.026	0.008	0.018	4.9	0.30
01:05	0.026	0.008	0.018	5.0	0.34
01:10	0.026	0.008	0.018	5.0	0.37
01:15	0.026	0.008	0.018	5.1	0.41
01:20	0.026	0.008	0.018	5.1	0.44
01:25	0.026	0.008	0.018	5.1	0.48
01:30	0.026	0.008	0.018	5.1	0.51
01:35	0.026	0.008	0.018	5.1	0.55
01:40	0.026	0.008	0.018	5.1	0.58
01:45	0.026	0.008	0.018	5.1	0.62
01:50	0.026	0.008	0.018	5.1	0.65
01:55	0.026	0.008	0.018	5.1	0.69
02:00	0.029	0.008	0.021	5.8	0.73
02:05	0.026	0.008	0.018	5.2	0.76
02:10	0.029	0.008	0.021	5.8	0.80
02:15	0.029	0.008	0.021	5.9	0.84
02:20	0.029	0.008	0.021	6.0	0.88
02:25	0.029	0.008	0.021	6.0	0.92
02:30	0.029	0.008	0.021	6.0	0.97
02:35	0.029	0.008	0.021	6.0	1.01
02:40	0.029	0.008	0.021	6.0	1.05
02:45	0.032	0.008	0.025	6.7	1.09
02:50	0.032	0.008	0.025	6.8	1.14
02:55	0.032	0.008	0.025	6.8	1.19
03:00	0.032	0.008	0.025	6.9	1.24
03:05	0.032	0.008	0.025	6.9	1.28
03:10	0.035	0.008	0.028	7.6	1.34
03:15	0.035	0.008	0.028	7.7	1.39
03:20	0.035	0.008	0.028	7.7	1.44
03:25	0.038	0.008	0.031	8.4	1.50
03:30	0.042	0.008	0.034	9.3	1.56
03:35	0.045	0.008	0.037	10.1	1.63
03:40	0.045	0.008	0.037	10.3	1.70
03:45	0.048	0.008	0.041	11.1	1.78
03:50	0.048	0.008	0.041	11.3	1.86
03:55	0.051	0.008	0.044	12.0	1.94
04:00	0.051	0.008	0.044	12.2	2.03
04:05	0.054	0.008	0.047	12.9	2.11
04:10	0.058	0.008	0.050	13.8	2.21
04:15	0.061	0.008	0.053	14.6	2.31
04:20	0.064	0.008	0.057	15.5	2.42
04:25	0.067	0.008	0.060	16.4	2.53
04:30	0.067	0.008	0.060	16.6	2.64
04:35	0.070	0.008	0.063	17.4	2.76
04:40	0.074	0.008	0.066	18.3	2.89
04:45	0.077	0.008	0.069	19.1	3.02
04:50	0.077	0.008	0.069	19.3	3.15
04:55	0.080	0.008	0.073	20.1	3.29
05:00	0.083	0.008	0.076	21.0	3.44
05:05	0.099	0.008	0.092	24.5	3.61
05:10	0.115	0.008	0.108	28.7	3.80
05:15	0.125	0.008	0.117	31.6	4.02
05:20	0.134	0.008	0.127	34.4	4.26
05:25	0.150	0.008	0.143	38.6	4.52

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	45.6	4.84
05:35	0.061	0.008	0.053	22.3	4.99
05:40	0.029	0.008	0.021	10.9	5.07
05:45	0.019	0.008	0.012	6.5	5.11
05:50	0.016	0.008	0.009	3.8	5.14
05:55	0.010	0.005	0.005	2.0	5.15
06:00	0.006	0.003	0.003	1.2	5.16
06:05	0.000	0.000	0.000	0.3	5.16
06:10	0.000	0.000	0.000	0.1	5.16
06:15	0.000	0.000	0.000	0.1	5.16
06:20	0.000	0.000	0.000	0.0	5.16
06:25	0.000	0.000	0.000	0.0	5.16
06:30	0.000	0.000	0.000	0.0	5.16
06:35	0.000	0.000	0.000	0.0	5.16
06:40	0.000	0.000	0.000	0.0	5.16
06:45	0.000	0.000	0.000	0.0	5.16
06:50	0.000	0.000	0.000	0.0	5.16
06:55	0.000	0.000	0.000	0.0	5.16
07:00	0.000	0.000	0.000	0.0	5.16
07:05	0.000	0.000	0.000	0.0	5.16
07:10	0.000	0.000	0.000	0.0	5.16
07:15	0.000	0.000	0.000	0.0	5.16
07:20	0.000	0.000	0.000	0.0	5.16
07:25	0.000	0.000	0.000	0.0	5.16
07:30	0.000	0.000	0.000	0.0	5.16
07:35	0.000	0.000	0.000	0.0	5.16
07:40	0.000	0.000	0.000	0.0	5.16
07:45	0.000	0.000	0.000	0.0	5.16
07:50	0.000	0.000	0.000	0.0	5.16
07:55	0.000	0.000	0.000	0.0	5.16
08:00	0.000	0.000	0.000	0.0	5.16
08:05	0.000	0.000	0.000	0.0	5.16
08:10	0.000	0.000	0.000	0.0	5.16
08:15	0.000	0.000	0.000	0.0	5.16
08:20	0.000	0.000	0.000	0.0	5.16
08:25	0.000	0.000	0.000	0.0	5.16
08:30	0.000	0.000	0.000	0.0	5.16
08:35	0.000	0.000	0.000	0.0	5.16
08:40	0.000	0.000	0.000	0.0	5.16
08:45	0.000	0.000	0.000	0.0	5.16
08:50	0.000	0.000	0.000	0.0	5.16
08:55	0.000	0.000	0.000	0.0	5.16
09:00	0.000	0.000	0.000	0.0	5.16
09:05	0.000	0.000	0.000	0.0	5.16
09:10	0.000	0.000	0.000	0.0	5.16
09:15	0.000	0.000	0.000	0.0	5.16
09:20	0.000	0.000	0.000	0.0	5.16
09:25	0.000	0.000	0.000	0.0	5.16
09:30	0.000	0.000	0.000	0.0	5.16
09:35	0.000	0.000	0.000	0.0	5.16
09:40	0.000	0.000	0.000	0.0	5.16
09:45	0.000	0.000	0.000	0.0	5.16
09:50	0.000	0.000	0.000	0.0	5.16
09:55	0.000	0.000	0.000	0.0	5.16
10:00	0.000	0.000	0.000	0.0	5.16
10:05	0.000	0.000	0.000	0.0	5.16
10:10	0.000	0.000	0.000	0.0	5.16
10:15	0.000	0.000	0.000	0.0	5.16
10:20	0.000	0.000	0.000	0.0	5.16
10:25	0.000	0.000	0.000	0.0	5.16
10:30	0.000	0.000	0.000	0.0	5.16
10:35	0.000	0.000	0.000	0.0	5.16

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.9	1.8	0.01	0.01
00:10	0.02	0.9	2.8	0.02	0.03
00:15	0.05	0.9	3.1	0.04	0.05
00:20	0.07	0.9	3.2	0.06	0.08
00:25	0.09	0.9	3.3	0.09	0.10
00:30	0.12	0.9	4.0	0.11	0.13
00:35	0.15	0.9	4.1	0.14	0.15
00:40	0.18	0.9	4.1	0.17	0.18
00:45	0.21	0.9	4.2	0.20	0.21
00:50	0.24	0.9	4.2	0.23	0.24
00:55	0.28	0.9	4.2	0.25	0.27
01:00	0.31	0.9	4.9	0.29	0.30
01:05	0.35	0.9	5.0	0.32	0.34
01:10	0.38	0.9	5.0	0.35	0.37
01:15	0.42	0.9	5.1	0.39	0.41
01:20	0.46	0.9	5.1	0.42	0.44
01:25	0.50	0.9	5.1	0.46	0.48
01:30	0.53	0.9	5.1	0.49	0.51
01:35	0.57	0.9	5.1	0.53	0.55
01:40	0.61	0.9	5.1	0.56	0.58
01:45	0.65	0.9	5.1	0.60	0.62
01:50	0.69	0.9	5.1	0.63	0.65
01:55	0.72	0.9	5.1	0.67	0.69
02:00	0.77	0.9	5.8	0.71	0.73
02:05	0.81	0.9	5.2	0.74	0.76
02:10	0.85	0.9	5.8	0.78	0.80
02:15	0.89	1.0	5.9	0.82	0.84
02:20	0.94	1.0	6.0	0.86	0.88
02:25	0.98	1.0	6.0	0.90	0.92
02:30	1.02	1.0	6.0	0.95	0.97
02:35	1.06	1.0	6.0	0.99	1.01
02:40	1.11	1.0	6.0	1.03	1.05
02:45	1.15	1.0	6.7	1.07	1.09
02:50	1.20	1.0	6.8	1.12	1.14
02:55	1.24	1.0	6.8	1.17	1.19
03:00	1.29	1.0	6.9	1.21	1.24
03:05	1.34	1.0	6.9	1.26	1.28
03:10	1.39	1.0	7.6	1.31	1.34
03:15	1.44	1.0	7.7	1.36	1.39
03:20	1.49	1.0	7.7	1.42	1.44
03:25	1.55	1.0	8.4	1.47	1.50
03:30	1.61	1.0	9.3	1.53	1.56
03:35	1.68	1.0	10.1	1.60	1.63
03:40	1.75	1.0	10.3	1.67	1.70
03:45	1.82	1.0	11.1	1.74	1.78
03:50	1.90	1.0	11.3	1.82	1.86
03:55	1.98	1.0	12.0	1.90	1.94
04:00	2.06	1.0	12.2	1.98	2.03
04:05	2.14	1.0	12.9	2.07	2.11
04:10	2.22	1.1	13.8	2.16	2.21
04:15	2.32	1.1	14.6	2.26	2.31
04:20	2.41	1.1	15.5	2.36	2.42
04:25	2.51	1.1	16.4	2.47	2.53
04:30	2.62	1.1	16.6	2.59	2.64
04:35	2.73	1.1	17.4	2.70	2.76
04:40	2.84	1.1	18.3	2.83	2.89
04:45	2.96	1.1	19.1	2.96	3.02
04:50	3.08	1.1	19.3	3.09	3.15
04:55	3.18	1.1	20.1	3.21	3.29
05:00	3.28	1.1	21.0	3.32	3.44
05:05	3.38	1.1	24.5	3.43	3.61
05:10	3.48	1.2	28.7	3.55	3.80
05:15	3.57	1.2	31.6	3.66	4.02
05:20	3.66	1.2	34.4	3.77	4.26
05:25	3.75	1.2	38.6	3.87	4.52

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.85	1.2	45.6	3.98	4.84
05:35	3.88	1.2	22.3	4.01	4.99
05:40	3.81	1.2	10.9	3.94	5.07
05:45	3.72	1.2	6.5	3.83	5.11
05:50	3.63	1.2	3.8	3.73	5.14
05:55	3.55	1.2	2.0	3.63	5.15
06:00	3.48	1.2	1.2	3.55	5.16
06:05	3.42	1.2	0.3	3.48	5.16
06:10	3.37	1.1	0.1	3.42	5.16
06:15	3.33	1.1	0.1	3.37	5.16
06:20	3.29	1.1	0.0	3.33	5.16
06:25	3.26	1.1	0.0	3.30	5.16
06:30	3.23	1.1	0.0	3.27	5.16
06:35	3.21	1.1	0.0	3.24	5.16
06:40	3.19	1.1	0.0	3.22	5.16
06:45	3.17	1.1	0.0	3.20	5.16
06:50	3.16	1.1	0.0	3.18	5.16
06:55	3.15	1.1	0.0	3.17	5.16
07:00	3.14	1.1	0.0	3.15	5.16
07:05	3.13	1.1	0.0	3.14	5.16
07:10	3.12	1.1	0.0	3.13	5.16
07:15	3.11	1.1	0.0	3.12	5.16
07:20	3.10	1.1	0.0	3.11	5.16
07:25	3.09	1.1	0.0	3.11	5.16
07:30	3.09	1.1	0.0	3.10	5.16
07:35	3.08	1.1	0.0	3.09	5.16
07:40	3.08	1.1	0.0	3.09	5.16
07:45	3.07	1.1	0.0	3.08	5.16
07:50	3.07	1.1	0.0	3.08	5.16
07:55	3.07	1.1	0.0	3.07	5.16
08:00	3.06	1.1	0.0	3.07	5.16
08:05	3.06	1.1	0.0	3.07	5.16
08:10	3.06	1.1	0.0	3.06	5.16
08:15	3.05	1.1	0.0	3.06	5.16
08:20	3.05	1.1	0.0	3.06	5.16
08:25	3.05	1.1	0.0	3.05	5.16
08:30	3.05	1.1	0.0	3.05	5.16
08:35	3.04	1.1	0.0	3.05	5.16
08:40	3.04	1.1	0.0	3.05	5.16
08:45	3.04	1.1	0.0	3.04	5.16
08:50	3.04	1.1	0.0	3.04	5.16
08:55	3.04	1.1	0.0	3.04	5.16
09:00	3.04	1.1	0.0	3.04	5.16
09:05	3.03	1.1	0.0	3.04	5.16
09:10	3.03	1.1	0.0	3.03	5.16
09:15	3.03	1.1	0.0	3.03	5.16
09:20	3.03	1.1	0.0	3.03	5.16
09:25	3.03	1.1	0.0	3.03	5.16
09:30	3.03	1.1	0.0	3.03	5.16
09:35	3.03	1.1	0.0	3.03	5.16
09:40	3.03	1.1	0.0	3.03	5.16
09:45	3.03	1.1	0.0	3.03	5.16
09:50	3.02	1.1	0.0	3.03	5.16
09:55	3.02	1.1	0.0	3.02	5.16
10:00	3.02	1.1	0.0	3.02	5.16
10:05	3.02	1.1	0.0	3.02	5.16
10:10	3.02	1.1	0.0	3.02	5.16
10:15	3.02	1.1	0.0	3.02	5.16
10:20	3.02	1.1	0.0	3.02	5.16
10:25	3.02	1.1	0.0	3.02	5.16
10:30	3.02	1.1	0.0	3.02	5.16
10:35	3.02	1.1	0.0	3.02	5.16

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.007	0.009	1.5	0.01
00:10	0.019	0.007	0.012	2.4	0.03
00:15	0.019	0.007	0.012	2.6	0.04
00:20	0.019	0.007	0.012	2.7	0.06
00:25	0.019	0.007	0.012	2.7	0.08
00:30	0.022	0.007	0.015	3.3	0.10
00:35	0.022	0.007	0.015	3.4	0.13
00:40	0.022	0.007	0.015	3.4	0.15
00:45	0.022	0.007	0.015	3.5	0.17
00:50	0.022	0.007	0.015	3.5	0.20
00:55	0.022	0.007	0.015	3.5	0.22
01:00	0.026	0.007	0.019	4.0	0.25
01:05	0.026	0.007	0.019	4.1	0.28
01:10	0.026	0.007	0.019	4.2	0.31
01:15	0.026	0.007	0.019	4.2	0.34
01:20	0.026	0.007	0.019	4.2	0.36
01:25	0.026	0.007	0.019	4.2	0.39
01:30	0.026	0.007	0.019	4.2	0.42
01:35	0.026	0.007	0.019	4.2	0.45
01:40	0.026	0.007	0.019	4.2	0.48
01:45	0.026	0.007	0.019	4.2	0.51
01:50	0.026	0.007	0.019	4.2	0.54
01:55	0.026	0.007	0.019	4.2	0.57
02:00	0.029	0.007	0.022	4.7	0.60
02:05	0.026	0.007	0.019	4.3	0.63
02:10	0.029	0.007	0.022	4.8	0.66
02:15	0.029	0.007	0.022	4.9	0.70
02:20	0.029	0.007	0.022	4.9	0.73
02:25	0.029	0.007	0.022	4.9	0.76
02:30	0.029	0.007	0.022	4.9	0.80
02:35	0.029	0.007	0.022	4.9	0.83
02:40	0.029	0.007	0.022	4.9	0.87
02:45	0.032	0.007	0.025	5.5	0.90
02:50	0.032	0.007	0.025	5.6	0.94
02:55	0.032	0.007	0.025	5.6	0.98
03:00	0.032	0.007	0.025	5.6	1.02
03:05	0.032	0.007	0.025	5.7	1.06
03:10	0.035	0.007	0.028	6.2	1.10
03:15	0.035	0.007	0.028	6.3	1.14
03:20	0.035	0.007	0.028	6.3	1.19
03:25	0.038	0.007	0.031	6.9	1.24
03:30	0.042	0.007	0.035	7.6	1.29
03:35	0.045	0.007	0.038	8.2	1.34
03:40	0.045	0.007	0.038	8.4	1.40
03:45	0.048	0.007	0.041	9.0	1.46
03:50	0.048	0.007	0.041	9.2	1.53
03:55	0.051	0.007	0.044	9.8	1.59
04:00	0.051	0.007	0.044	9.9	1.66
04:05	0.054	0.007	0.047	10.5	1.74
04:10	0.058	0.007	0.051	11.2	1.81
04:15	0.061	0.007	0.054	11.9	1.89
04:20	0.064	0.007	0.057	12.6	1.98
04:25	0.067	0.007	0.060	13.3	2.07
04:30	0.067	0.007	0.060	13.5	2.17
04:35	0.070	0.007	0.063	14.1	2.26
04:40	0.074	0.007	0.067	14.8	2.36
04:45	0.077	0.007	0.070	15.5	2.47
04:50	0.077	0.007	0.070	15.7	2.58
04:55	0.080	0.007	0.073	16.3	2.69
05:00	0.083	0.007	0.076	17.0	2.81
05:05	0.099	0.007	0.092	19.8	2.95
05:10	0.115	0.007	0.108	23.1	3.10
05:15	0.125	0.007	0.118	25.5	3.28
05:20	0.134	0.007	0.127	27.8	3.47
05:25	0.150	0.007	0.143	31.1	3.69

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.007	0.172	36.8	3.94
05:35	0.061	0.007	0.054	18.5	4.07
05:40	0.029	0.007	0.022	9.0	4.13
05:45	0.019	0.007	0.012	5.5	4.17
05:50	0.016	0.007	0.009	3.5	4.19
05:55	0.010	0.005	0.005	1.7	4.20
06:00	0.006	0.003	0.003	1.0	4.21
06:05	0.000	0.000	0.000	0.3	4.21
06:10	0.000	0.000	0.000	0.1	4.21
06:15	0.000	0.000	0.000	0.1	4.21
06:20	0.000	0.000	0.000	0.0	4.21
06:25	0.000	0.000	0.000	0.0	4.21
06:30	0.000	0.000	0.000	0.0	4.21
06:35	0.000	0.000	0.000	0.0	4.21
06:40	0.000	0.000	0.000	0.0	4.21
06:45	0.000	0.000	0.000	0.0	4.21
06:50	0.000	0.000	0.000	0.0	4.21
06:55	0.000	0.000	0.000	0.0	4.21
07:00	0.000	0.000	0.000	0.0	4.21
07:05	0.000	0.000	0.000	0.0	4.21
07:10	0.000	0.000	0.000	0.0	4.21
07:15	0.000	0.000	0.000	0.0	4.21
07:20	0.000	0.000	0.000	0.0	4.21
07:25	0.000	0.000	0.000	0.0	4.21
07:30	0.000	0.000	0.000	0.0	4.21
07:35	0.000	0.000	0.000	0.0	4.21
07:40	0.000	0.000	0.000	0.0	4.21
07:45	0.000	0.000	0.000	0.0	4.21
07:50	0.000	0.000	0.000	0.0	4.21
07:55	0.000	0.000	0.000	0.0	4.21
08:00	0.000	0.000	0.000	0.0	4.21
08:05	0.000	0.000	0.000	0.0	4.21
08:10	0.000	0.000	0.000	0.0	4.21
08:15	0.000	0.000	0.000	0.0	4.21
08:20	0.000	0.000	0.000	0.0	4.21
08:25	0.000	0.000	0.000	0.0	4.21
08:30	0.000	0.000	0.000	0.0	4.21
08:35	0.000	0.000	0.000	0.0	4.21
08:40	0.000	0.000	0.000	0.0	4.21
08:45	0.000	0.000	0.000	0.0	4.21
08:50	0.000	0.000	0.000	0.0	4.21
08:55	0.000	0.000	0.000	0.0	4.21
09:00	0.000	0.000	0.000	0.0	4.21
09:05	0.000	0.000	0.000	0.0	4.21
09:10	0.000	0.000	0.000	0.0	4.21
09:15	0.000	0.000	0.000	0.0	4.21
09:20	0.000	0.000	0.000	0.0	4.21
09:25	0.000	0.000	0.000	0.0	4.21
09:30	0.000	0.000	0.000	0.0	4.21
09:35	0.000	0.000	0.000	0.0	4.21
09:40	0.000	0.000	0.000	0.0	4.21
09:45	0.000	0.000	0.000	0.0	4.21
09:50	0.000	0.000	0.000	0.0	4.21
09:55	0.000	0.000	0.000	0.0	4.21
10:00	0.000	0.000	0.000	0.0	4.21
10:05	0.000	0.000	0.000	0.0	4.21
10:10	0.000	0.000	0.000	0.0	4.21
10:15	0.000	0.000	0.000	0.0	4.21
10:20	0.000	0.000	0.000	0.0	4.21
10:25	0.000	0.000	0.000	0.0	4.21
10:30	0.000	0.000	0.000	0.0	4.21
10:35	0.000	0.000	0.000	0.0	4.21

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.7	1.5	0.01	0.01
00:10	0.02	0.7	2.4	0.02	0.03
00:15	0.05	0.7	2.6	0.04	0.04
00:20	0.07	0.7	2.7	0.05	0.06
00:25	0.10	0.7	2.7	0.07	0.08
00:30	0.12	0.7	3.3	0.09	0.10
00:35	0.15	0.7	3.4	0.12	0.13
00:40	0.18	0.7	3.4	0.14	0.15
00:45	0.22	0.7	3.5	0.16	0.17
00:50	0.25	0.7	3.5	0.19	0.20
00:55	0.28	0.7	3.5	0.21	0.22
01:00	0.31	0.7	4.0	0.24	0.25
01:05	0.35	0.7	4.1	0.26	0.28
01:10	0.39	0.7	4.2	0.29	0.31
01:15	0.43	0.7	4.2	0.32	0.34
01:20	0.47	0.8	4.2	0.35	0.36
01:25	0.50	0.8	4.2	0.38	0.39
01:30	0.54	0.8	4.2	0.41	0.42
01:35	0.58	0.8	4.2	0.44	0.45
01:40	0.62	0.8	4.2	0.47	0.48
01:45	0.66	0.8	4.2	0.50	0.51
01:50	0.70	0.8	4.2	0.52	0.54
01:55	0.73	0.8	4.2	0.55	0.57
02:00	0.77	0.8	4.7	0.58	0.60
02:05	0.82	0.8	4.3	0.61	0.63
02:10	0.86	0.8	4.8	0.65	0.66
02:15	0.90	0.8	4.9	0.68	0.70
02:20	0.95	0.8	4.9	0.71	0.73
02:25	0.99	0.8	4.9	0.75	0.76
02:30	1.03	0.8	4.9	0.78	0.80
02:35	1.07	0.8	4.9	0.81	0.83
02:40	1.12	0.8	4.9	0.85	0.87
02:45	1.16	0.8	5.5	0.88	0.90
02:50	1.21	0.8	5.6	0.92	0.94
02:55	1.25	0.8	5.6	0.96	0.98
03:00	1.30	0.8	5.6	1.00	1.02
03:05	1.35	0.8	5.7	1.04	1.06
03:10	1.40	0.8	6.2	1.08	1.10
03:15	1.45	0.8	6.3	1.12	1.14
03:20	1.50	0.8	6.3	1.17	1.19
03:25	1.56	0.8	6.9	1.21	1.24
03:30	1.62	0.8	7.6	1.26	1.29
03:35	1.68	0.8	8.2	1.32	1.34
03:40	1.75	0.8	8.4	1.37	1.40
03:45	1.83	0.8	9.0	1.43	1.46
03:50	1.90	0.8	9.2	1.50	1.53
03:55	1.98	0.9	9.8	1.56	1.59
04:00	2.06	0.9	9.9	1.63	1.66
04:05	2.14	0.9	10.5	1.70	1.74
04:10	2.22	0.9	11.2	1.77	1.81
04:15	2.31	0.9	11.9	1.85	1.89
04:20	2.41	0.9	12.6	1.94	1.98
04:25	2.51	0.9	13.3	2.03	2.07
04:30	2.61	0.9	13.5	2.12	2.17
04:35	2.72	0.9	14.1	2.21	2.26
04:40	2.83	0.9	14.8	2.31	2.36
04:45	2.95	0.9	15.5	2.42	2.47
04:50	3.06	0.9	15.7	2.52	2.58
04:55	3.17	0.9	16.3	2.63	2.69
05:00	3.26	0.9	17.0	2.72	2.81
05:05	3.36	1.0	19.8	2.81	2.95
05:10	3.45	1.0	23.1	2.91	3.10
05:15	3.55	1.0	25.5	3.00	3.28
05:20	3.64	1.0	27.8	3.09	3.47
05:25	3.73	1.0	31.1	3.17	3.69

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.82	1.0	36.8	3.26	3.94
05:35	3.86	1.0	18.5	3.29	4.07
05:40	3.79	1.0	9.0	3.23	4.13
05:45	3.71	1.0	5.5	3.15	4.17
05:50	3.62	1.0	3.5	3.07	4.19
05:55	3.55	1.0	1.7	3.00	4.20
06:00	3.48	1.0	1.0	2.93	4.21
06:05	3.42	1.0	0.3	2.87	4.21
06:10	3.37	1.0	0.1	2.82	4.21
06:15	3.32	1.0	0.1	2.78	4.21
06:20	3.29	1.0	0.0	2.75	4.21
06:25	3.26	0.9	0.0	2.72	4.21
06:30	3.23	0.9	0.0	2.69	4.21
06:35	3.21	0.9	0.0	2.67	4.21
06:40	3.19	0.9	0.0	2.65	4.21
06:45	3.17	0.9	0.0	2.64	4.21
06:50	3.16	0.9	0.0	2.62	4.21
06:55	3.15	0.9	0.0	2.61	4.21
07:00	3.14	0.9	0.0	2.60	4.21
07:05	3.13	0.9	0.0	2.59	4.21
07:10	3.12	0.9	0.0	2.58	4.21
07:15	3.11	0.9	0.0	2.57	4.21
07:20	3.10	0.9	0.0	2.56	4.21
07:25	3.09	0.9	0.0	2.56	4.21
07:30	3.09	0.9	0.0	2.55	4.21
07:35	3.08	0.9	0.0	2.55	4.21
07:40	3.08	0.9	0.0	2.54	4.21
07:45	3.07	0.9	0.0	2.54	4.21
07:50	3.07	0.9	0.0	2.53	4.21
07:55	3.07	0.9	0.0	2.53	4.21
08:00	3.06	0.9	0.0	2.53	4.21
08:05	3.06	0.9	0.0	2.52	4.21
08:10	3.06	0.9	0.0	2.52	4.21
08:15	3.05	0.9	0.0	2.52	4.21
08:20	3.05	0.9	0.0	2.52	4.21
08:25	3.05	0.9	0.0	2.51	4.21
08:30	3.05	0.9	0.0	2.51	4.21
08:35	3.04	0.9	0.0	2.51	4.21
08:40	3.04	0.9	0.0	2.51	4.21
08:45	3.04	0.9	0.0	2.51	4.21
08:50	3.04	0.9	0.0	2.50	4.21
08:55	3.04	0.9	0.0	2.50	4.21
09:00	3.04	0.9	0.0	2.50	4.21
09:05	3.03	0.9	0.0	2.50	4.21
09:10	3.03	0.9	0.0	2.50	4.21
09:15	3.03	0.9	0.0	2.50	4.21
09:20	3.03	0.9	0.0	2.50	4.21
09:25	3.03	0.9	0.0	2.50	4.21
09:30	3.03	0.9	0.0	2.49	4.21
09:35	3.03	0.9	0.0	2.49	4.21
09:40	3.03	0.9	0.0	2.49	4.21
09:45	3.03	0.9	0.0	2.49	4.21
09:50	3.02	0.9	0.0	2.49	4.21
09:55	3.02	0.9	0.0	2.49	4.21
10:00	3.02	0.9	0.0	2.49	4.21
10:05	3.02	0.9	0.0	2.49	4.21
10:10	3.02	0.9	0.0	2.49	4.21
10:15	3.02	0.9	0.0	2.49	4.21
10:20	3.02	0.9	0.0	2.49	4.21
10:25	3.02	0.9	0.0	2.49	4.21
10:30	3.02	0.9	0.0	2.49	4.21
10:35	3.02	0.9	0.0	2.48	4.21

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	0.6	0.00
00:10	0.019	0.008	0.012	1.2	0.01
00:15	0.019	0.008	0.012	1.5	0.02
00:20	0.019	0.008	0.012	1.6	0.03
00:25	0.019	0.008	0.012	1.6	0.04
00:30	0.022	0.008	0.015	1.9	0.06
00:35	0.022	0.008	0.015	2.1	0.07
00:40	0.022	0.008	0.015	2.2	0.09
00:45	0.022	0.008	0.015	2.2	0.10
00:50	0.022	0.008	0.015	2.2	0.12
00:55	0.022	0.008	0.015	2.2	0.13
01:00	0.026	0.008	0.018	2.5	0.15
01:05	0.026	0.008	0.018	2.6	0.17
01:10	0.026	0.008	0.018	2.7	0.19
01:15	0.026	0.008	0.018	2.7	0.21
01:20	0.026	0.008	0.018	2.7	0.23
01:25	0.026	0.008	0.018	2.7	0.24
01:30	0.026	0.008	0.018	2.7	0.26
01:35	0.026	0.008	0.018	2.8	0.28
01:40	0.026	0.008	0.018	2.8	0.30
01:45	0.026	0.008	0.018	2.8	0.32
01:50	0.026	0.008	0.018	2.8	0.34
01:55	0.026	0.008	0.018	2.8	0.36
02:00	0.029	0.008	0.021	3.0	0.38
02:05	0.026	0.008	0.018	2.9	0.40
02:10	0.029	0.008	0.021	3.0	0.42
02:15	0.029	0.008	0.021	3.2	0.44
02:20	0.029	0.008	0.021	3.2	0.46
02:25	0.029	0.008	0.021	3.2	0.49
02:30	0.029	0.008	0.021	3.2	0.51
02:35	0.029	0.008	0.021	3.2	0.53
02:40	0.029	0.008	0.021	3.2	0.55
02:45	0.032	0.008	0.025	3.5	0.58
02:50	0.032	0.008	0.025	3.6	0.60
02:55	0.032	0.008	0.025	3.7	0.63
03:00	0.032	0.008	0.025	3.7	0.65
03:05	0.032	0.008	0.025	3.7	0.68
03:10	0.035	0.008	0.028	3.9	0.70
03:15	0.035	0.008	0.028	4.1	0.73
03:20	0.035	0.008	0.028	4.2	0.76
03:25	0.038	0.008	0.031	4.4	0.79
03:30	0.042	0.008	0.034	4.8	0.82
03:35	0.045	0.008	0.037	5.2	0.86
03:40	0.045	0.008	0.037	5.4	0.90
03:45	0.048	0.008	0.041	5.8	0.94
03:50	0.048	0.008	0.041	6.0	0.98
03:55	0.051	0.008	0.044	6.3	1.02
04:00	0.051	0.008	0.044	6.5	1.07
04:05	0.054	0.008	0.047	6.8	1.11
04:10	0.058	0.008	0.050	7.2	1.16
04:15	0.061	0.008	0.053	7.6	1.21
04:20	0.064	0.008	0.057	8.1	1.27
04:25	0.067	0.008	0.060	8.6	1.33
04:30	0.067	0.008	0.060	8.8	1.39
04:35	0.070	0.008	0.063	9.1	1.45
04:40	0.074	0.008	0.066	9.6	1.52
04:45	0.077	0.008	0.069	10.0	1.59
04:50	0.077	0.008	0.069	10.3	1.66
04:55	0.080	0.008	0.073	10.6	1.73
05:00	0.083	0.008	0.076	11.1	1.81
05:05	0.099	0.008	0.092	12.4	1.89
05:10	0.115	0.008	0.108	14.4	1.99
05:15	0.125	0.008	0.117	16.1	2.10
05:20	0.134	0.008	0.127	17.6	2.22
05:25	0.150	0.008	0.143	19.5	2.36

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	22.6	2.51
05:35	0.061	0.008	0.053	15.9	2.62
05:40	0.029	0.008	0.021	9.1	2.69
05:45	0.019	0.008	0.012	5.7	2.73
05:50	0.016	0.008	0.009	3.8	2.75
05:55	0.010	0.005	0.005	2.8	2.77
06:00	0.006	0.003	0.003	2.1	2.79
06:05	0.000	0.000	0.000	1.3	2.79
06:10	0.000	0.000	0.000	0.6	2.80
06:15	0.000	0.000	0.000	0.2	2.80
06:20	0.000	0.000	0.000	0.1	2.80
06:25	0.000	0.000	0.000	0.1	2.80
06:30	0.000	0.000	0.000	0.0	2.80
06:35	0.000	0.000	0.000	0.0	2.80
06:40	0.000	0.000	0.000	0.0	2.80
06:45	0.000	0.000	0.000	0.0	2.80
06:50	0.000	0.000	0.000	0.0	2.80
06:55	0.000	0.000	0.000	0.0	2.80
07:00	0.000	0.000	0.000	0.0	2.80
07:05	0.000	0.000	0.000	0.0	2.80
07:10	0.000	0.000	0.000	0.0	2.80
07:15	0.000	0.000	0.000	0.0	2.80
07:20	0.000	0.000	0.000	0.0	2.80
07:25	0.000	0.000	0.000	0.0	2.80
07:30	0.000	0.000	0.000	0.0	2.80
07:35	0.000	0.000	0.000	0.0	2.80
07:40	0.000	0.000	0.000	0.0	2.80
07:45	0.000	0.000	0.000	0.0	2.80
07:50	0.000	0.000	0.000	0.0	2.80
07:55	0.000	0.000	0.000	0.0	2.80
08:00	0.000	0.000	0.000	0.0	2.80
08:05	0.000	0.000	0.000	0.0	2.80
08:10	0.000	0.000	0.000	0.0	2.80
08:15	0.000	0.000	0.000	0.0	2.80
08:20	0.000	0.000	0.000	0.0	2.80
08:25	0.000	0.000	0.000	0.0	2.80
08:30	0.000	0.000	0.000	0.0	2.80
08:35	0.000	0.000	0.000	0.0	2.80
08:40	0.000	0.000	0.000	0.0	2.80
08:45	0.000	0.000	0.000	0.0	2.80
08:50	0.000	0.000	0.000	0.0	2.80
08:55	0.000	0.000	0.000	0.0	2.80
09:00	0.000	0.000	0.000	0.0	2.80
09:05	0.000	0.000	0.000	0.0	2.80
09:10	0.000	0.000	0.000	0.0	2.80
09:15	0.000	0.000	0.000	0.0	2.80
09:20	0.000	0.000	0.000	0.0	2.80
09:25	0.000	0.000	0.000	0.0	2.80
09:30	0.000	0.000	0.000	0.0	2.80
09:35	0.000	0.000	0.000	0.0	2.80
09:40	0.000	0.000	0.000	0.0	2.80
09:45	0.000	0.000	0.000	0.0	2.80
09:50	0.000	0.000	0.000	0.0	2.80
09:55	0.000	0.000	0.000	0.0	2.80
10:00	0.000	0.000	0.000	0.0	2.80
10:05	0.000	0.000	0.000	0.0	2.80
10:10	0.000	0.000	0.000	0.0	2.80
10:15	0.000	0.000	0.000	0.0	2.80
10:20	0.000	0.000	0.000	0.0	2.80
10:25	0.000	0.000	0.000	0.0	2.80
10:30	0.000	0.000	0.000	0.0	2.80
10:35	0.000	0.000	0.000	0.0	2.80

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.5	0.6	0.00	0.00
00:10	0.02	0.5	1.2	0.01	0.01
00:15	0.04	0.5	1.5	0.02	0.02
00:20	0.06	0.5	1.6	0.03	0.03
00:25	0.08	0.5	1.6	0.04	0.04
00:30	0.11	0.5	1.9	0.05	0.06
00:35	0.13	0.5	2.1	0.07	0.07
00:40	0.16	0.5	2.2	0.08	0.09
00:45	0.19	0.5	2.2	0.10	0.10
00:50	0.23	0.5	2.2	0.11	0.12
00:55	0.26	0.5	2.2	0.13	0.13
01:00	0.29	0.5	2.5	0.14	0.15
01:05	0.33	0.5	2.6	0.16	0.17
01:10	0.36	0.5	2.7	0.18	0.19
01:15	0.40	0.5	2.7	0.20	0.21
01:20	0.44	0.5	2.7	0.22	0.23
01:25	0.48	0.5	2.7	0.23	0.24
01:30	0.52	0.5	2.7	0.25	0.26
01:35	0.56	0.5	2.8	0.27	0.28
01:40	0.59	0.5	2.8	0.29	0.30
01:45	0.63	0.5	2.8	0.31	0.32
01:50	0.67	0.5	2.8	0.33	0.34
01:55	0.71	0.5	2.8	0.35	0.36
02:00	0.75	0.5	3.0	0.37	0.38
02:05	0.79	0.5	2.9	0.39	0.40
02:10	0.83	0.5	3.0	0.41	0.42
02:15	0.88	0.5	3.2	0.43	0.44
02:20	0.92	0.5	3.2	0.45	0.46
02:25	0.97	0.5	3.2	0.47	0.49
02:30	1.01	0.5	3.2	0.50	0.51
02:35	1.05	0.5	3.2	0.52	0.53
02:40	1.09	0.5	3.2	0.54	0.55
02:45	1.14	0.5	3.5	0.56	0.58
02:50	1.18	0.5	3.6	0.59	0.60
02:55	1.23	0.5	3.7	0.61	0.63
03:00	1.27	0.5	3.7	0.64	0.65
03:05	1.32	0.5	3.7	0.66	0.68
03:10	1.37	0.5	3.9	0.69	0.70
03:15	1.42	0.5	4.1	0.72	0.73
03:20	1.47	0.5	4.2	0.75	0.76
03:25	1.53	0.5	4.4	0.78	0.79
03:30	1.58	0.5	4.8	0.81	0.82
03:35	1.65	0.6	5.2	0.84	0.86
03:40	1.71	0.6	5.4	0.88	0.90
03:45	1.78	0.6	5.8	0.92	0.94
03:50	1.86	0.6	6.0	0.96	0.98
03:55	1.94	0.6	6.3	1.00	1.02
04:00	2.01	0.6	6.5	1.04	1.07
04:05	2.09	0.6	6.8	1.09	1.11
04:10	2.17	0.6	7.2	1.14	1.16
04:15	2.25	0.6	7.6	1.19	1.21
04:20	2.34	0.6	8.1	1.24	1.27
04:25	2.44	0.6	8.6	1.30	1.33
04:30	2.54	0.6	8.8	1.36	1.39
04:35	2.64	0.6	9.1	1.42	1.45
04:40	2.75	0.6	9.6	1.49	1.52
04:45	2.86	0.6	10.0	1.55	1.59
04:50	2.98	0.6	10.3	1.62	1.66
04:55	3.09	0.6	10.6	1.69	1.73
05:00	3.19	0.6	11.1	1.76	1.81
05:05	3.28	0.7	12.4	1.83	1.89
05:10	3.38	0.7	14.4	1.89	1.99
05:15	3.48	0.7	16.1	1.95	2.10
05:20	3.57	0.7	17.6	2.02	2.22
05:25	3.66	0.7	19.5	2.07	2.36

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.75	0.7	22.6	2.13	2.51
05:35	3.80	0.7	15.9	2.17	2.62
05:40	3.78	0.7	9.1	2.15	2.69
05:45	3.71	0.7	5.7	2.11	2.73
05:50	3.64	0.7	3.8	2.06	2.75
05:55	3.57	0.7	2.8	2.02	2.77
06:00	3.51	0.7	2.1	1.98	2.79
06:05	3.46	0.7	1.3	1.94	2.79
06:10	3.40	0.7	0.6	1.91	2.80
06:15	3.36	0.7	0.2	1.88	2.80
06:20	3.32	0.7	0.1	1.85	2.80
06:25	3.28	0.7	0.1	1.83	2.80
06:30	3.25	0.6	0.0	1.81	2.80
06:35	3.23	0.6	0.0	1.79	2.80
06:40	3.21	0.6	0.0	1.77	2.80
06:45	3.19	0.6	0.0	1.76	2.80
06:50	3.17	0.6	0.0	1.75	2.80
06:55	3.16	0.6	0.0	1.74	2.80
07:00	3.14	0.6	0.0	1.73	2.80
07:05	3.13	0.6	0.0	1.73	2.80
07:10	3.12	0.6	0.0	1.72	2.80
07:15	3.11	0.6	0.0	1.71	2.80
07:20	3.11	0.6	0.0	1.71	2.80
07:25	3.10	0.6	0.0	1.70	2.80
07:30	3.09	0.6	0.0	1.70	2.80
07:35	3.09	0.6	0.0	1.70	2.80
07:40	3.08	0.6	0.0	1.69	2.80
07:45	3.08	0.6	0.0	1.69	2.80
07:50	3.07	0.6	0.0	1.69	2.80
07:55	3.07	0.6	0.0	1.68	2.80
08:00	3.06	0.6	0.0	1.68	2.80
08:05	3.06	0.6	0.0	1.68	2.80
08:10	3.06	0.6	0.0	1.68	2.80
08:15	3.05	0.6	0.0	1.67	2.80
08:20	3.05	0.6	0.0	1.67	2.80
08:25	3.05	0.6	0.0	1.67	2.80
08:30	3.05	0.6	0.0	1.67	2.80
08:35	3.05	0.6	0.0	1.67	2.80
08:40	3.04	0.6	0.0	1.67	2.80
08:45	3.04	0.6	0.0	1.67	2.80
08:50	3.04	0.6	0.0	1.66	2.80
08:55	3.04	0.6	0.0	1.66	2.80
09:00	3.04	0.6	0.0	1.66	2.80
09:05	3.03	0.6	0.0	1.66	2.80
09:10	3.03	0.6	0.0	1.66	2.80
09:15	3.03	0.6	0.0	1.66	2.80
09:20	3.03	0.6	0.0	1.66	2.80
09:25	3.03	0.6	0.0	1.66	2.80
09:30	3.03	0.6	0.0	1.66	2.80
09:35	3.03	0.6	0.0	1.66	2.80
09:40	3.03	0.6	0.0	1.66	2.80
09:45	3.03	0.6	0.0	1.65	2.80
09:50	3.02	0.6	0.0	1.65	2.80
09:55	3.02	0.6	0.0	1.65	2.80
10:00	3.02	0.6	0.0	1.65	2.80
10:05	3.02	0.6	0.0	1.65	2.80
10:10	3.02	0.6	0.0	1.65	2.80
10:15	3.02	0.6	0.0	1.65	2.80
10:20	3.02	0.6	0.0	1.65	2.80
10:25	3.02	0.6	0.0	1.65	2.80
10:30	3.02	0.6	0.0	1.65	2.80
10:35	3.02	0.6	0.0	1.65	2.80

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.1	0.01
00:10	0.019	0.008	0.012	1.6	0.02
00:15	0.019	0.008	0.012	1.7	0.03
00:20	0.019	0.008	0.012	1.7	0.04
00:25	0.019	0.008	0.012	1.7	0.05
00:30	0.022	0.008	0.015	2.2	0.07
00:35	0.022	0.008	0.015	2.2	0.08
00:40	0.022	0.008	0.015	2.2	0.10
00:45	0.022	0.008	0.015	2.2	0.12
00:50	0.022	0.008	0.015	2.2	0.13
00:55	0.022	0.008	0.015	2.2	0.15
01:00	0.026	0.008	0.018	2.6	0.16
01:05	0.026	0.008	0.018	2.7	0.18
01:10	0.026	0.008	0.018	2.7	0.20
01:15	0.026	0.008	0.018	2.7	0.22
01:20	0.026	0.008	0.018	2.7	0.24
01:25	0.026	0.008	0.018	2.7	0.26
01:30	0.026	0.008	0.018	2.7	0.27
01:35	0.026	0.008	0.018	2.7	0.29
01:40	0.026	0.008	0.018	2.7	0.31
01:45	0.026	0.008	0.018	2.7	0.33
01:50	0.026	0.008	0.018	2.7	0.35
01:55	0.026	0.008	0.018	2.7	0.37
02:00	0.029	0.008	0.021	3.1	0.39
02:05	0.026	0.008	0.018	2.7	0.41
02:10	0.029	0.008	0.021	3.1	0.43
02:15	0.029	0.008	0.021	3.1	0.45
02:20	0.029	0.008	0.021	3.2	0.47
02:25	0.029	0.008	0.021	3.2	0.49
02:30	0.029	0.008	0.021	3.2	0.52
02:35	0.029	0.008	0.021	3.2	0.54
02:40	0.029	0.008	0.021	3.2	0.56
02:45	0.032	0.008	0.025	3.6	0.58
02:50	0.032	0.008	0.025	3.6	0.61
02:55	0.032	0.008	0.025	3.6	0.63
03:00	0.032	0.008	0.025	3.6	0.66
03:05	0.032	0.008	0.025	3.6	0.68
03:10	0.035	0.008	0.028	4.1	0.71
03:15	0.035	0.008	0.028	4.1	0.74
03:20	0.035	0.008	0.028	4.1	0.77
03:25	0.038	0.008	0.031	4.5	0.80
03:30	0.042	0.008	0.034	5.0	0.84
03:35	0.045	0.008	0.037	5.5	0.87
03:40	0.045	0.008	0.037	5.5	0.91
03:45	0.048	0.008	0.041	6.0	0.95
03:50	0.048	0.008	0.041	6.0	0.99
03:55	0.051	0.008	0.044	6.4	1.04
04:00	0.051	0.008	0.044	6.5	1.08
04:05	0.054	0.008	0.047	6.9	1.13
04:10	0.058	0.008	0.050	7.4	1.18
04:15	0.061	0.008	0.053	7.8	1.23
04:20	0.064	0.008	0.057	8.3	1.29
04:25	0.067	0.008	0.060	8.8	1.35
04:30	0.067	0.008	0.060	8.9	1.41
04:35	0.070	0.008	0.063	9.3	1.48
04:40	0.074	0.008	0.066	9.8	1.54
04:45	0.077	0.008	0.069	10.2	1.62
04:50	0.077	0.008	0.069	10.3	1.69
04:55	0.080	0.008	0.073	10.7	1.76
05:00	0.083	0.008	0.076	11.2	1.84
05:05	0.099	0.008	0.092	13.3	1.93
05:10	0.115	0.008	0.108	15.6	2.04
05:15	0.125	0.008	0.117	17.2	2.15
05:20	0.134	0.008	0.127	18.6	2.28
05:25	0.150	0.008	0.143	20.9	2.43

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	24.9	2.60
05:35	0.061	0.008	0.053	10.0	2.67
05:40	0.029	0.008	0.021	4.5	2.70
05:45	0.019	0.008	0.012	2.1	2.71
05:50	0.016	0.008	0.009	1.4	2.72
05:55	0.010	0.005	0.005	0.8	2.73
06:00	0.006	0.003	0.003	0.5	2.73
06:05	0.000	0.000	0.000	0.1	2.73
06:10	0.000	0.000	0.000	0.0	2.73
06:15	0.000	0.000	0.000	0.0	2.73
06:20	0.000	0.000	0.000	0.0	2.73
06:25	0.000	0.000	0.000	0.0	2.73
06:30	0.000	0.000	0.000	0.0	2.73
06:35	0.000	0.000	0.000	0.0	2.73
06:40	0.000	0.000	0.000	0.0	2.73
06:45	0.000	0.000	0.000	0.0	2.73
06:50	0.000	0.000	0.000	0.0	2.73
06:55	0.000	0.000	0.000	0.0	2.73
07:00	0.000	0.000	0.000	0.0	2.73
07:05	0.000	0.000	0.000	0.0	2.73
07:10	0.000	0.000	0.000	0.0	2.73
07:15	0.000	0.000	0.000	0.0	2.73
07:20	0.000	0.000	0.000	0.0	2.73
07:25	0.000	0.000	0.000	0.0	2.73
07:30	0.000	0.000	0.000	0.0	2.73
07:35	0.000	0.000	0.000	0.0	2.73
07:40	0.000	0.000	0.000	0.0	2.73
07:45	0.000	0.000	0.000	0.0	2.73
07:50	0.000	0.000	0.000	0.0	2.73
07:55	0.000	0.000	0.000	0.0	2.73
08:00	0.000	0.000	0.000	0.0	2.73
08:05	0.000	0.000	0.000	0.0	2.73
08:10	0.000	0.000	0.000	0.0	2.73
08:15	0.000	0.000	0.000	0.0	2.73
08:20	0.000	0.000	0.000	0.0	2.73
08:25	0.000	0.000	0.000	0.0	2.73
08:30	0.000	0.000	0.000	0.0	2.73
08:35	0.000	0.000	0.000	0.0	2.73
08:40	0.000	0.000	0.000	0.0	2.73
08:45	0.000	0.000	0.000	0.0	2.73
08:50	0.000	0.000	0.000	0.0	2.73
08:55	0.000	0.000	0.000	0.0	2.73
09:00	0.000	0.000	0.000	0.0	2.73
09:05	0.000	0.000	0.000	0.0	2.73
09:10	0.000	0.000	0.000	0.0	2.73
09:15	0.000	0.000	0.000	0.0	2.73
09:20	0.000	0.000	0.000	0.0	2.73
09:25	0.000	0.000	0.000	0.0	2.73
09:30	0.000	0.000	0.000	0.0	2.73
09:35	0.000	0.000	0.000	0.0	2.73
09:40	0.000	0.000	0.000	0.0	2.73
09:45	0.000	0.000	0.000	0.0	2.73
09:50	0.000	0.000	0.000	0.0	2.73
09:55	0.000	0.000	0.000	0.0	2.73
10:00	0.000	0.000	0.000	0.0	2.73
10:05	0.000	0.000	0.000	0.0	2.73
10:10	0.000	0.000	0.000	0.0	2.73
10:15	0.000	0.000	0.000	0.0	2.73
10:20	0.000	0.000	0.000	0.0	2.73
10:25	0.000	0.000	0.000	0.0	2.73
10:30	0.000	0.000	0.000	0.0	2.73
10:35	0.000	0.000	0.000	0.0	2.73

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.4	1.1	0.00	0.01
00:10	0.03	0.4	1.6	0.01	0.02
00:15	0.05	0.5	1.7	0.02	0.03
00:20	0.08	0.5	1.7	0.04	0.04
00:25	0.10	0.5	1.7	0.05	0.05
00:30	0.13	0.5	2.2	0.06	0.07
00:35	0.16	0.5	2.2	0.08	0.08
00:40	0.19	0.5	2.2	0.09	0.10
00:45	0.23	0.5	2.2	0.11	0.12
00:50	0.26	0.5	2.2	0.12	0.13
00:55	0.29	0.5	2.2	0.14	0.15
01:00	0.33	0.5	2.6	0.15	0.16
01:05	0.36	0.5	2.7	0.17	0.18
01:10	0.40	0.5	2.7	0.19	0.20
01:15	0.44	0.5	2.7	0.21	0.22
01:20	0.48	0.5	2.7	0.23	0.24
01:25	0.52	0.5	2.7	0.25	0.26
01:30	0.56	0.5	2.7	0.27	0.27
01:35	0.60	0.5	2.7	0.28	0.29
01:40	0.64	0.5	2.7	0.30	0.31
01:45	0.68	0.5	2.7	0.32	0.33
01:50	0.72	0.5	2.7	0.34	0.35
01:55	0.76	0.5	2.7	0.36	0.37
02:00	0.80	0.5	3.1	0.38	0.39
02:05	0.84	0.5	2.7	0.40	0.41
02:10	0.88	0.5	3.1	0.42	0.43
02:15	0.93	0.5	3.1	0.44	0.45
02:20	0.97	0.5	3.2	0.46	0.47
02:25	1.02	0.5	3.2	0.48	0.49
02:30	1.06	0.5	3.2	0.51	0.52
02:35	1.10	0.5	3.2	0.53	0.54
02:40	1.14	0.5	3.2	0.55	0.56
02:45	1.19	0.5	3.6	0.57	0.58
02:50	1.23	0.5	3.6	0.60	0.61
02:55	1.28	0.5	3.6	0.62	0.63
03:00	1.33	0.5	3.6	0.65	0.66
03:05	1.38	0.5	3.6	0.67	0.68
03:10	1.43	0.5	4.1	0.70	0.71
03:15	1.48	0.5	4.1	0.73	0.74
03:20	1.53	0.5	4.1	0.76	0.77
03:25	1.59	0.5	4.5	0.79	0.80
03:30	1.65	0.5	5.0	0.82	0.84
03:35	1.72	0.5	5.5	0.85	0.87
03:40	1.79	0.5	5.5	0.89	0.91
03:45	1.87	0.5	6.0	0.93	0.95
03:50	1.94	0.6	6.0	0.97	0.99
03:55	2.02	0.6	6.4	1.02	1.04
04:00	2.10	0.6	6.5	1.06	1.08
04:05	2.18	0.6	6.9	1.11	1.13
04:10	2.26	0.6	7.4	1.16	1.18
04:15	2.35	0.6	7.8	1.21	1.23
04:20	2.45	0.6	8.3	1.26	1.29
04:25	2.55	0.6	8.8	1.32	1.35
04:30	2.65	0.6	8.9	1.38	1.41
04:35	2.76	0.6	9.3	1.45	1.48
04:40	2.87	0.6	9.8	1.51	1.54
04:45	2.99	0.6	10.2	1.58	1.62
04:50	3.09	0.6	10.3	1.65	1.69
04:55	3.19	0.6	10.7	1.71	1.76
05:00	3.28	0.6	11.2	1.77	1.84
05:05	3.37	0.6	13.3	1.83	1.93
05:10	3.47	0.6	15.6	1.89	2.04
05:15	3.56	0.6	17.2	1.95	2.15
05:20	3.64	0.7	18.6	2.00	2.28
05:25	3.73	0.7	20.9	2.06	2.43

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.82	0.7	24.9	2.12	2.60
05:35	3.84	0.7	10.0	2.13	2.67
05:40	3.75	0.7	4.5	2.08	2.70
05:45	3.66	0.7	2.1	2.01	2.71
05:50	3.57	0.7	1.4	1.96	2.72
05:55	3.49	0.6	0.8	1.91	2.73
06:00	3.43	0.6	0.5	1.87	2.73
06:05	3.38	0.6	0.1	1.83	2.73
06:10	3.33	0.6	0.0	1.80	2.73
06:15	3.29	0.6	0.0	1.78	2.73
06:20	3.26	0.6	0.0	1.76	2.73
06:25	3.23	0.6	0.0	1.74	2.73
06:30	3.21	0.6	0.0	1.72	2.73
06:35	3.19	0.6	0.0	1.71	2.73
06:40	3.17	0.6	0.0	1.70	2.73
06:45	3.16	0.6	0.0	1.69	2.73
06:50	3.14	0.6	0.0	1.68	2.73
06:55	3.13	0.6	0.0	1.67	2.73
07:00	3.12	0.6	0.0	1.67	2.73
07:05	3.11	0.6	0.0	1.66	2.73
07:10	3.11	0.6	0.0	1.66	2.73
07:15	3.10	0.6	0.0	1.65	2.73
07:20	3.09	0.6	0.0	1.65	2.73
07:25	3.09	0.6	0.0	1.64	2.73
07:30	3.08	0.6	0.0	1.64	2.73
07:35	3.08	0.6	0.0	1.64	2.73
07:40	3.07	0.6	0.0	1.63	2.73
07:45	3.07	0.6	0.0	1.63	2.73
07:50	3.06	0.6	0.0	1.63	2.73
07:55	3.06	0.6	0.0	1.63	2.73
08:00	3.06	0.6	0.0	1.62	2.73
08:05	3.05	0.6	0.0	1.62	2.73
08:10	3.05	0.6	0.0	1.62	2.73
08:15	3.05	0.6	0.0	1.62	2.73
08:20	3.05	0.6	0.0	1.62	2.73
08:25	3.04	0.6	0.0	1.62	2.73
08:30	3.04	0.6	0.0	1.62	2.73
08:35	3.04	0.6	0.0	1.61	2.73
08:40	3.04	0.6	0.0	1.61	2.73
08:45	3.04	0.6	0.0	1.61	2.73
08:50	3.04	0.6	0.0	1.61	2.73
08:55	3.03	0.6	0.0	1.61	2.73
09:00	3.03	0.6	0.0	1.61	2.73
09:05	3.03	0.6	0.0	1.61	2.73
09:10	3.03	0.6	0.0	1.61	2.73
09:15	3.03	0.6	0.0	1.61	2.73
09:20	3.03	0.6	0.0	1.61	2.73
09:25	3.03	0.6	0.0	1.61	2.73
09:30	3.03	0.6	0.0	1.60	2.73
09:35	3.02	0.6	0.0	1.60	2.73
09:40	3.02	0.6	0.0	1.60	2.73
09:45	3.02	0.6	0.0	1.60	2.73
09:50	3.02	0.6	0.0	1.60	2.73
09:55	3.02	0.6	0.0	1.60	2.73
10:00	3.02	0.6	0.0	1.60	2.73
10:05	3.02	0.6	0.0	1.60	2.73
10:10	3.02	0.6	0.0	1.60	2.73
10:15	3.02	0.6	0.0	1.60	2.73
10:20	3.02	0.6	0.0	1.60	2.73
10:25	3.02	0.6	0.0	1.60	2.73
10:30	3.02	0.6	0.0	1.60	2.73
10:35	3.02	0.6	0.0	1.60	2.73

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.014	0.002	0.2	0.00
00:10	0.019	0.017	0.002	0.2	0.00
00:15	0.019	0.017	0.002	0.3	0.00
00:20	0.019	0.017	0.002	0.3	0.01
00:25	0.019	0.017	0.002	0.3	0.01
00:30	0.022	0.020	0.002	0.3	0.01
00:35	0.022	0.020	0.002	0.3	0.01
00:40	0.022	0.020	0.002	0.3	0.01
00:45	0.022	0.020	0.002	0.3	0.02
00:50	0.022	0.020	0.002	0.3	0.02
00:55	0.022	0.020	0.002	0.3	0.02
01:00	0.026	0.023	0.003	0.3	0.02
01:05	0.026	0.023	0.003	0.3	0.02
01:10	0.026	0.023	0.003	0.3	0.03
01:15	0.026	0.023	0.003	0.3	0.03
01:20	0.026	0.023	0.003	0.3	0.03
01:25	0.026	0.023	0.003	0.3	0.03
01:30	0.026	0.023	0.003	0.3	0.04
01:35	0.026	0.023	0.003	0.3	0.04
01:40	0.026	0.023	0.003	0.3	0.04
01:45	0.026	0.023	0.003	0.3	0.04
01:50	0.026	0.023	0.003	0.3	0.05
01:55	0.026	0.023	0.003	0.3	0.05
02:00	0.029	0.026	0.003	0.4	0.05
02:05	0.026	0.023	0.003	0.3	0.05
02:10	0.029	0.026	0.003	0.4	0.06
02:15	0.029	0.026	0.003	0.4	0.06
02:20	0.029	0.026	0.003	0.4	0.06
02:25	0.029	0.026	0.003	0.4	0.07
02:30	0.029	0.026	0.003	0.4	0.07
02:35	0.029	0.026	0.003	0.4	0.07
02:40	0.029	0.026	0.003	0.4	0.07
02:45	0.032	0.026	0.007	0.8	0.08
02:50	0.032	0.026	0.007	0.8	0.09
02:55	0.032	0.026	0.007	0.9	0.09
03:00	0.032	0.026	0.007	0.9	0.10
03:05	0.032	0.026	0.007	0.9	0.10
03:10	0.035	0.026	0.010	1.2	0.11
03:15	0.035	0.026	0.010	1.3	0.12
03:20	0.035	0.026	0.010	1.3	0.13
03:25	0.038	0.026	0.013	1.6	0.14
03:30	0.042	0.026	0.016	2.0	0.15
03:35	0.045	0.026	0.019	2.5	0.17
03:40	0.045	0.026	0.019	2.5	0.19
03:45	0.048	0.026	0.023	2.9	0.21
03:50	0.048	0.026	0.023	2.9	0.23
03:55	0.051	0.026	0.026	3.3	0.25
04:00	0.051	0.026	0.026	3.4	0.27
04:05	0.054	0.026	0.029	3.7	0.30
04:10	0.058	0.026	0.032	4.1	0.33
04:15	0.061	0.026	0.035	4.6	0.36
04:20	0.064	0.026	0.039	5.0	0.39
04:25	0.067	0.026	0.042	5.4	0.43
04:30	0.067	0.026	0.042	5.5	0.47
04:35	0.070	0.026	0.045	5.8	0.51
04:40	0.074	0.026	0.048	6.2	0.55
04:45	0.077	0.026	0.051	6.7	0.60
04:50	0.077	0.026	0.051	6.7	0.64
04:55	0.080	0.026	0.055	7.1	0.69
05:00	0.083	0.026	0.058	7.5	0.75
05:05	0.099	0.026	0.074	9.3	0.81
05:10	0.115	0.026	0.090	11.4	0.89
05:15	0.125	0.026	0.099	12.8	0.98
05:20	0.134	0.026	0.109	14.1	1.07
05:25	0.150	0.026	0.125	16.0	1.18

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.026	0.154	19.5	1.32
05:35	0.061	0.026	0.035	6.9	1.36
05:40	0.029	0.026	0.003	2.0	1.38
05:45	0.019	0.017	0.002	0.5	1.38
05:50	0.016	0.014	0.002	0.2	1.38
05:55	0.010	0.009	0.001	0.1	1.38
06:00	0.006	0.006	0.001	0.1	1.39
06:05	0.000	0.000	0.000	0.0	1.39
06:10	0.000	0.000	0.000	0.0	1.39
06:15	0.000	0.000	0.000	0.0	1.39
06:20	0.000	0.000	0.000	0.0	1.39
06:25	0.000	0.000	0.000	0.0	1.39
06:30	0.000	0.000	0.000	0.0	1.39
06:35	0.000	0.000	0.000	0.0	1.39
06:40	0.000	0.000	0.000	0.0	1.39
06:45	0.000	0.000	0.000	0.0	1.39
06:50	0.000	0.000	0.000	0.0	1.39
06:55	0.000	0.000	0.000	0.0	1.39
07:00	0.000	0.000	0.000	0.0	1.39
07:05	0.000	0.000	0.000	0.0	1.39
07:10	0.000	0.000	0.000	0.0	1.39
07:15	0.000	0.000	0.000	0.0	1.39
07:20	0.000	0.000	0.000	0.0	1.39
07:25	0.000	0.000	0.000	0.0	1.39
07:30	0.000	0.000	0.000	0.0	1.39
07:35	0.000	0.000	0.000	0.0	1.39
07:40	0.000	0.000	0.000	0.0	1.39
07:45	0.000	0.000	0.000	0.0	1.39
07:50	0.000	0.000	0.000	0.0	1.39
07:55	0.000	0.000	0.000	0.0	1.39
08:00	0.000	0.000	0.000	0.0	1.39
08:05	0.000	0.000	0.000	0.0	1.39
08:10	0.000	0.000	0.000	0.0	1.39
08:15	0.000	0.000	0.000	0.0	1.39
08:20	0.000	0.000	0.000	0.0	1.39
08:25	0.000	0.000	0.000	0.0	1.39
08:30	0.000	0.000	0.000	0.0	1.39
08:35	0.000	0.000	0.000	0.0	1.39
08:40	0.000	0.000	0.000	0.0	1.39
08:45	0.000	0.000	0.000	0.0	1.39
08:50	0.000	0.000	0.000	0.0	1.39
08:55	0.000	0.000	0.000	0.0	1.39
09:00	0.000	0.000	0.000	0.0	1.39
09:05	0.000	0.000	0.000	0.0	1.39
09:10	0.000	0.000	0.000	0.0	1.39
09:15	0.000	0.000	0.000	0.0	1.39
09:20	0.000	0.000	0.000	0.0	1.39
09:25	0.000	0.000	0.000	0.0	1.39
09:30	0.000	0.000	0.000	0.0	1.39
09:35	0.000	0.000	0.000	0.0	1.39
09:40	0.000	0.000	0.000	0.0	1.39
09:45	0.000	0.000	0.000	0.0	1.39
09:50	0.000	0.000	0.000	0.0	1.39
09:55	0.000	0.000	0.000	0.0	1.39
10:00	0.000	0.000	0.000	0.0	1.39
10:05	0.000	0.000	0.000	0.0	1.39
10:10	0.000	0.000	0.000	0.0	1.39
10:15	0.000	0.000	0.000	0.0	1.39
10:20	0.000	0.000	0.000	0.0	1.39
10:25	0.000	0.000	0.000	0.0	1.39
10:30	0.000	0.000	0.000	0.0	1.39
10:35	0.000	0.000	0.000	0.0	1.39

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.3	0.2	0.00	0.00
00:10	0.01	0.3	0.2	0.00	0.00
00:15	0.01	0.3	0.3	0.00	0.00
00:20	0.02	0.3	0.3	0.01	0.01
00:25	0.02	0.3	0.3	0.01	0.01
00:30	0.03	0.3	0.3	0.01	0.01
00:35	0.04	0.3	0.3	0.01	0.01
00:40	0.05	0.3	0.3	0.01	0.01
00:45	0.05	0.3	0.3	0.02	0.02
00:50	0.06	0.3	0.3	0.02	0.02
00:55	0.07	0.3	0.3	0.02	0.02
01:00	0.07	0.3	0.3	0.02	0.02
01:05	0.08	0.3	0.3	0.02	0.02
01:10	0.09	0.3	0.3	0.03	0.03
01:15	0.10	0.3	0.3	0.03	0.03
01:20	0.11	0.3	0.3	0.03	0.03
01:25	0.11	0.3	0.3	0.03	0.03
01:30	0.12	0.3	0.3	0.04	0.04
01:35	0.13	0.3	0.3	0.04	0.04
01:40	0.14	0.3	0.3	0.04	0.04
01:45	0.15	0.3	0.3	0.04	0.04
01:50	0.15	0.3	0.3	0.04	0.05
01:55	0.16	0.3	0.3	0.05	0.05
02:00	0.17	0.3	0.4	0.05	0.05
02:05	0.18	0.3	0.3	0.05	0.05
02:10	0.19	0.3	0.4	0.05	0.06
02:15	0.20	0.3	0.4	0.06	0.06
02:20	0.21	0.3	0.4	0.06	0.06
02:25	0.22	0.3	0.4	0.06	0.07
02:30	0.23	0.3	0.4	0.07	0.07
02:35	0.24	0.3	0.4	0.07	0.07
02:40	0.25	0.3	0.4	0.07	0.07
02:45	0.27	0.3	0.8	0.08	0.08
02:50	0.29	0.3	0.8	0.08	0.09
02:55	0.31	0.3	0.9	0.09	0.09
03:00	0.33	0.3	0.9	0.09	0.10
03:05	0.35	0.3	0.9	0.10	0.10
03:10	0.37	0.3	1.2	0.11	0.11
03:15	0.40	0.3	1.3	0.12	0.12
03:20	0.43	0.3	1.3	0.12	0.13
03:25	0.47	0.3	1.6	0.13	0.14
03:30	0.51	0.3	2.0	0.15	0.15
03:35	0.56	0.3	2.5	0.16	0.17
03:40	0.62	0.3	2.5	0.18	0.19
03:45	0.69	0.3	2.9	0.20	0.21
03:50	0.76	0.3	2.9	0.22	0.23
03:55	0.83	0.3	3.3	0.24	0.25
04:00	0.91	0.3	3.4	0.26	0.27
04:05	1.00	0.3	3.7	0.29	0.30
04:10	1.08	0.3	4.1	0.31	0.33
04:15	1.17	0.3	4.6	0.34	0.36
04:20	1.27	0.3	5.0	0.38	0.39
04:25	1.38	0.3	5.4	0.41	0.43
04:30	1.49	0.3	5.5	0.45	0.47
04:35	1.61	0.3	5.8	0.49	0.51
04:40	1.74	0.3	6.2	0.53	0.55
04:45	1.87	0.3	6.7	0.58	0.60
04:50	2.01	0.4	6.7	0.62	0.64
04:55	2.14	0.4	7.1	0.67	0.69
05:00	2.27	0.4	7.5	0.72	0.75
05:05	2.42	0.4	9.3	0.78	0.81
05:10	2.61	0.4	11.4	0.85	0.89
05:15	2.83	0.4	12.8	0.93	0.98
05:20	3.07	0.4	14.1	1.02	1.07
05:25	3.29	0.4	16.0	1.12	1.18

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.52	0.4	19.5	1.21	1.32
05:35	3.63	0.4	6.9	1.26	1.36
05:40	3.58	0.4	2.0	1.24	1.38
05:45	3.51	0.4	0.5	1.21	1.38
05:50	3.43	0.4	0.2	1.18	1.38
05:55	3.37	0.4	0.1	1.15	1.38
06:00	3.33	0.4	0.1	1.13	1.39
06:05	3.29	0.4	0.0	1.12	1.39
06:10	3.25	0.4	0.0	1.10	1.39
06:15	3.22	0.4	0.0	1.09	1.39
06:20	3.20	0.4	0.0	1.08	1.39
06:25	3.18	0.4	0.0	1.07	1.39
06:30	3.16	0.4	0.0	1.06	1.39
06:35	3.15	0.4	0.0	1.06	1.39
06:40	3.13	0.4	0.0	1.05	1.39
06:45	3.12	0.4	0.0	1.05	1.39
06:50	3.11	0.4	0.0	1.04	1.39
06:55	3.10	0.4	0.0	1.04	1.39
07:00	3.10	0.4	0.0	1.04	1.39
07:05	3.09	0.4	0.0	1.03	1.39
07:10	3.08	0.4	0.0	1.03	1.39
07:15	3.08	0.4	0.0	1.03	1.39
07:20	3.07	0.4	0.0	1.03	1.39
07:25	3.07	0.4	0.0	1.02	1.39
07:30	3.06	0.4	0.0	1.02	1.39
07:35	3.06	0.4	0.0	1.02	1.39
07:40	3.06	0.4	0.0	1.02	1.39
07:45	3.05	0.4	0.0	1.02	1.39
07:50	3.05	0.4	0.0	1.02	1.39
07:55	3.05	0.4	0.0	1.01	1.39
08:00	3.05	0.4	0.0	1.01	1.39
08:05	3.04	0.4	0.0	1.01	1.39
08:10	3.04	0.4	0.0	1.01	1.39
08:15	3.04	0.4	0.0	1.01	1.39
08:20	3.04	0.4	0.0	1.01	1.39
08:25	3.04	0.4	0.0	1.01	1.39
08:30	3.03	0.4	0.0	1.01	1.39
08:35	3.03	0.4	0.0	1.01	1.39
08:40	3.03	0.4	0.0	1.01	1.39
08:45	3.03	0.4	0.0	1.01	1.39
08:50	3.03	0.4	0.0	1.01	1.39
08:55	3.03	0.4	0.0	1.01	1.39
09:00	3.03	0.4	0.0	1.01	1.39
09:05	3.03	0.4	0.0	1.00	1.39
09:10	3.02	0.4	0.0	1.00	1.39
09:15	3.02	0.4	0.0	1.00	1.39
09:20	3.02	0.4	0.0	1.00	1.39
09:25	3.02	0.4	0.0	1.00	1.39
09:30	3.02	0.4	0.0	1.00	1.39
09:35	3.02	0.4	0.0	1.00	1.39
09:40	3.02	0.4	0.0	1.00	1.39
09:45	3.02	0.4	0.0	1.00	1.39
09:50	3.02	0.4	0.0	1.00	1.39
09:55	3.02	0.4	0.0	1.00	1.39
10:00	3.02	0.4	0.0	1.00	1.39
10:05	3.02	0.4	0.0	1.00	1.39
10:10	3.02	0.4	0.0	1.00	1.39
10:15	3.02	0.4	0.0	1.00	1.39
10:20	3.02	0.4	0.0	1.00	1.39
10:25	3.01	0.4	0.0	1.00	1.39
10:30	3.01	0.4	0.0	1.00	1.39
10:35	3.01	0.4	0.0	1.00	1.39

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.009	0.007	0.6	0.00
00:10	0.019	0.009	0.010	1.0	0.01
00:15	0.019	0.009	0.010	1.2	0.02
00:20	0.019	0.009	0.010	1.2	0.03
00:25	0.019	0.009	0.010	1.2	0.04
00:30	0.022	0.009	0.013	1.5	0.05
00:35	0.022	0.009	0.013	1.6	0.06
00:40	0.022	0.009	0.013	1.7	0.07
00:45	0.022	0.009	0.013	1.7	0.08
00:50	0.022	0.009	0.013	1.7	0.09
00:55	0.022	0.009	0.013	1.7	0.10
01:00	0.026	0.009	0.016	2.0	0.12
01:05	0.026	0.009	0.016	2.0	0.13
01:10	0.026	0.009	0.016	2.1	0.15
01:15	0.026	0.009	0.016	2.1	0.16
01:20	0.026	0.009	0.016	2.1	0.18
01:25	0.026	0.009	0.016	2.1	0.19
01:30	0.026	0.009	0.016	2.1	0.20
01:35	0.026	0.009	0.016	2.1	0.22
01:40	0.026	0.009	0.016	2.1	0.23
01:45	0.026	0.009	0.016	2.1	0.25
01:50	0.026	0.009	0.016	2.1	0.26
01:55	0.026	0.009	0.016	2.1	0.28
02:00	0.029	0.009	0.020	2.4	0.29
02:05	0.026	0.009	0.016	2.2	0.31
02:10	0.029	0.009	0.020	2.4	0.33
02:15	0.029	0.009	0.020	2.5	0.34
02:20	0.029	0.009	0.020	2.5	0.36
02:25	0.029	0.009	0.020	2.5	0.38
02:30	0.029	0.009	0.020	2.5	0.39
02:35	0.029	0.009	0.020	2.5	0.41
02:40	0.029	0.009	0.020	2.5	0.43
02:45	0.032	0.009	0.023	2.8	0.45
02:50	0.032	0.009	0.023	2.9	0.47
02:55	0.032	0.009	0.023	2.9	0.49
03:00	0.032	0.009	0.023	2.9	0.51
03:05	0.032	0.009	0.023	2.9	0.53
03:10	0.035	0.009	0.026	3.2	0.55
03:15	0.035	0.009	0.026	3.3	0.57
03:20	0.035	0.009	0.026	3.3	0.60
03:25	0.038	0.009	0.029	3.6	0.62
03:30	0.042	0.009	0.032	4.0	0.65
03:35	0.045	0.009	0.036	4.3	0.68
03:40	0.045	0.009	0.036	4.5	0.71
03:45	0.048	0.009	0.039	4.8	0.74
03:50	0.048	0.009	0.039	4.9	0.77
03:55	0.051	0.009	0.042	5.2	0.81
04:00	0.051	0.009	0.042	5.3	0.85
04:05	0.054	0.009	0.045	5.6	0.89
04:10	0.058	0.009	0.048	6.0	0.93
04:15	0.061	0.009	0.052	6.4	0.97
04:20	0.064	0.009	0.055	6.8	1.02
04:25	0.067	0.009	0.058	7.2	1.07
04:30	0.067	0.009	0.058	7.3	1.12
04:35	0.070	0.009	0.061	7.7	1.17
04:40	0.074	0.009	0.064	8.0	1.23
04:45	0.077	0.009	0.068	8.4	1.28
04:50	0.077	0.009	0.068	8.6	1.34
04:55	0.080	0.009	0.071	8.9	1.40
05:00	0.083	0.009	0.074	9.3	1.47
05:05	0.099	0.009	0.090	10.7	1.54
05:10	0.115	0.009	0.106	12.5	1.63
05:15	0.125	0.009	0.116	13.9	1.72
05:20	0.134	0.009	0.125	15.2	1.83
05:25	0.150	0.009	0.141	17.0	1.95

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.009	0.170	20.0	2.08
05:35	0.061	0.009	0.052	11.2	2.16
05:40	0.029	0.009	0.020	5.9	2.20
05:45	0.019	0.009	0.010	3.4	2.22
05:50	0.016	0.009	0.007	2.3	2.24
05:55	0.010	0.005	0.004	1.5	2.25
06:00	0.006	0.004	0.003	0.7	2.25
06:05	0.000	0.000	0.000	0.2	2.26
06:10	0.000	0.000	0.000	0.1	2.26
06:15	0.000	0.000	0.000	0.1	2.26
06:20	0.000	0.000	0.000	0.0	2.26
06:25	0.000	0.000	0.000	0.0	2.26
06:30	0.000	0.000	0.000	0.0	2.26
06:35	0.000	0.000	0.000	0.0	2.26
06:40	0.000	0.000	0.000	0.0	2.26
06:45	0.000	0.000	0.000	0.0	2.26
06:50	0.000	0.000	0.000	0.0	2.26
06:55	0.000	0.000	0.000	0.0	2.26
07:00	0.000	0.000	0.000	0.0	2.26
07:05	0.000	0.000	0.000	0.0	2.26
07:10	0.000	0.000	0.000	0.0	2.26
07:15	0.000	0.000	0.000	0.0	2.26
07:20	0.000	0.000	0.000	0.0	2.26
07:25	0.000	0.000	0.000	0.0	2.26
07:30	0.000	0.000	0.000	0.0	2.26
07:35	0.000	0.000	0.000	0.0	2.26
07:40	0.000	0.000	0.000	0.0	2.26
07:45	0.000	0.000	0.000	0.0	2.26
07:50	0.000	0.000	0.000	0.0	2.26
07:55	0.000	0.000	0.000	0.0	2.26
08:00	0.000	0.000	0.000	0.0	2.26
08:05	0.000	0.000	0.000	0.0	2.26
08:10	0.000	0.000	0.000	0.0	2.26
08:15	0.000	0.000	0.000	0.0	2.26
08:20	0.000	0.000	0.000	0.0	2.26
08:25	0.000	0.000	0.000	0.0	2.26
08:30	0.000	0.000	0.000	0.0	2.26
08:35	0.000	0.000	0.000	0.0	2.26
08:40	0.000	0.000	0.000	0.0	2.26
08:45	0.000	0.000	0.000	0.0	2.26
08:50	0.000	0.000	0.000	0.0	2.26
08:55	0.000	0.000	0.000	0.0	2.26
09:00	0.000	0.000	0.000	0.0	2.26
09:05	0.000	0.000	0.000	0.0	2.26
09:10	0.000	0.000	0.000	0.0	2.26
09:15	0.000	0.000	0.000	0.0	2.26
09:20	0.000	0.000	0.000	0.0	2.26
09:25	0.000	0.000	0.000	0.0	2.26
09:30	0.000	0.000	0.000	0.0	2.26
09:35	0.000	0.000	0.000	0.0	2.26
09:40	0.000	0.000	0.000	0.0	2.26
09:45	0.000	0.000	0.000	0.0	2.26
09:50	0.000	0.000	0.000	0.0	2.26
09:55	0.000	0.000	0.000	0.0	2.26
10:00	0.000	0.000	0.000	0.0	2.26
10:05	0.000	0.000	0.000	0.0	2.26
10:10	0.000	0.000	0.000	0.0	2.26
10:15	0.000	0.000	0.000	0.0	2.26
10:20	0.000	0.000	0.000	0.0	2.26
10:25	0.000	0.000	0.000	0.0	2.26
10:30	0.000	0.000	0.000	0.0	2.26
10:35	0.000	0.000	0.000	0.0	2.26

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.4	0.6	0.00	0.00
00:10	0.02	0.4	1.0	0.01	0.01
00:15	0.04	0.4	1.2	0.02	0.02
00:20	0.06	0.4	1.2	0.02	0.03
00:25	0.08	0.4	1.2	0.03	0.04
00:30	0.11	0.4	1.5	0.04	0.05
00:35	0.13	0.4	1.6	0.05	0.06
00:40	0.16	0.4	1.7	0.06	0.07
00:45	0.19	0.4	1.7	0.08	0.08
00:50	0.22	0.4	1.7	0.09	0.09
00:55	0.25	0.4	1.7	0.10	0.10
01:00	0.29	0.4	2.0	0.11	0.12
01:05	0.32	0.4	2.0	0.12	0.13
01:10	0.36	0.4	2.1	0.14	0.15
01:15	0.39	0.4	2.1	0.15	0.16
01:20	0.43	0.4	2.1	0.17	0.18
01:25	0.47	0.4	2.1	0.18	0.19
01:30	0.51	0.4	2.1	0.20	0.20
01:35	0.54	0.4	2.1	0.21	0.22
01:40	0.58	0.4	2.1	0.23	0.23
01:45	0.62	0.4	2.1	0.24	0.25
01:50	0.65	0.4	2.1	0.26	0.26
01:55	0.69	0.4	2.1	0.27	0.28
02:00	0.73	0.4	2.4	0.29	0.29
02:05	0.77	0.4	2.2	0.30	0.31
02:10	0.81	0.4	2.4	0.32	0.33
02:15	0.86	0.4	2.5	0.33	0.34
02:20	0.90	0.4	2.5	0.35	0.36
02:25	0.94	0.4	2.5	0.37	0.38
02:30	0.99	0.4	2.5	0.39	0.39
02:35	1.03	0.4	2.5	0.40	0.41
02:40	1.07	0.4	2.5	0.42	0.43
02:45	1.11	0.4	2.8	0.44	0.45
02:50	1.16	0.4	2.9	0.46	0.47
02:55	1.20	0.4	2.9	0.48	0.49
03:00	1.25	0.4	2.9	0.50	0.51
03:05	1.29	0.4	2.9	0.52	0.53
03:10	1.34	0.4	3.2	0.54	0.55
03:15	1.39	0.4	3.3	0.56	0.57
03:20	1.44	0.4	3.3	0.58	0.60
03:25	1.50	0.4	3.6	0.61	0.62
03:30	1.56	0.4	4.0	0.63	0.65
03:35	1.62	0.4	4.3	0.66	0.68
03:40	1.69	0.4	4.5	0.69	0.71
03:45	1.76	0.5	4.8	0.72	0.74
03:50	1.84	0.5	4.9	0.76	0.77
03:55	1.92	0.5	5.2	0.79	0.81
04:00	2.00	0.5	5.3	0.83	0.85
04:05	2.08	0.5	5.6	0.87	0.89
04:10	2.16	0.5	6.0	0.91	0.93
04:15	2.24	0.5	6.4	0.95	0.97
04:20	2.34	0.5	6.8	0.99	1.02
04:25	2.44	0.5	7.2	1.04	1.07
04:30	2.54	0.5	7.3	1.09	1.12
04:35	2.64	0.5	7.7	1.14	1.17
04:40	2.75	0.5	8.0	1.20	1.23
04:45	2.87	0.5	8.4	1.25	1.28
04:50	2.99	0.5	8.6	1.31	1.34
04:55	3.10	0.5	8.9	1.37	1.40
05:00	3.20	0.5	9.3	1.43	1.47
05:05	3.29	0.5	10.7	1.48	1.54
05:10	3.40	0.5	12.5	1.54	1.63
05:15	3.49	0.5	13.9	1.59	1.72
05:20	3.59	0.6	15.2	1.64	1.83
05:25	3.68	0.6	17.0	1.69	1.95

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.77	0.6	20.0	1.74	2.08
05:35	3.81	0.6	11.2	1.76	2.16
05:40	3.76	0.6	5.9	1.73	2.20
05:45	3.68	0.6	3.4	1.69	2.22
05:50	3.60	0.6	2.3	1.65	2.24
05:55	3.53	0.5	1.5	1.61	2.25
06:00	3.46	0.5	0.7	1.57	2.25
06:05	3.40	0.5	0.2	1.54	2.26
06:10	3.35	0.5	0.1	1.51	2.26
06:15	3.31	0.5	0.1	1.49	2.26
06:20	3.28	0.5	0.0	1.47	2.26
06:25	3.25	0.5	0.0	1.45	2.26
06:30	3.22	0.5	0.0	1.44	2.26
06:35	3.20	0.5	0.0	1.43	2.26
06:40	3.18	0.5	0.0	1.42	2.26
06:45	3.16	0.5	0.0	1.41	2.26
06:50	3.15	0.5	0.0	1.40	2.26
06:55	3.14	0.5	0.0	1.40	2.26
07:00	3.13	0.5	0.0	1.39	2.26
07:05	3.12	0.5	0.0	1.38	2.26
07:10	3.11	0.5	0.0	1.38	2.26
07:15	3.10	0.5	0.0	1.38	2.26
07:20	3.09	0.5	0.0	1.37	2.26
07:25	3.09	0.5	0.0	1.37	2.26
07:30	3.08	0.5	0.0	1.36	2.26
07:35	3.08	0.5	0.0	1.36	2.26
07:40	3.07	0.5	0.0	1.36	2.26
07:45	3.07	0.5	0.0	1.36	2.26
07:50	3.06	0.5	0.0	1.36	2.26
07:55	3.06	0.5	0.0	1.35	2.26
08:00	3.06	0.5	0.0	1.35	2.26
08:05	3.05	0.5	0.0	1.35	2.26
08:10	3.05	0.5	0.0	1.35	2.26
08:15	3.05	0.5	0.0	1.35	2.26
08:20	3.05	0.5	0.0	1.35	2.26
08:25	3.04	0.5	0.0	1.34	2.26
08:30	3.04	0.5	0.0	1.34	2.26
08:35	3.04	0.5	0.0	1.34	2.26
08:40	3.04	0.5	0.0	1.34	2.26
08:45	3.04	0.5	0.0	1.34	2.26
08:50	3.04	0.5	0.0	1.34	2.26
08:55	3.03	0.5	0.0	1.34	2.26
09:00	3.03	0.5	0.0	1.34	2.26
09:05	3.03	0.5	0.0	1.34	2.26
09:10	3.03	0.5	0.0	1.34	2.26
09:15	3.03	0.5	0.0	1.34	2.26
09:20	3.03	0.5	0.0	1.34	2.26
09:25	3.03	0.5	0.0	1.33	2.26
09:30	3.03	0.5	0.0	1.33	2.26
09:35	3.02	0.5	0.0	1.33	2.26
09:40	3.02	0.5	0.0	1.33	2.26
09:45	3.02	0.5	0.0	1.33	2.26
09:50	3.02	0.5	0.0	1.33	2.26
09:55	3.02	0.5	0.0	1.33	2.26
10:00	3.02	0.5	0.0	1.33	2.26
10:05	3.02	0.5	0.0	1.33	2.26
10:10	3.02	0.5	0.0	1.33	2.26
10:15	3.02	0.5	0.0	1.33	2.26
10:20	3.02	0.5	0.0	1.33	2.26
10:25	3.02	0.5	0.0	1.33	2.26
10:30	3.02	0.5	0.0	1.33	2.26
10:35	3.02	0.5	0.0	1.33	2.26

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.015	0.001	0.1	0.00
00:10	0.019	0.018	0.001	0.1	0.00
00:15	0.019	0.018	0.001	0.1	0.00
00:20	0.019	0.018	0.001	0.1	0.00
00:25	0.019	0.018	0.001	0.1	0.00
00:30	0.022	0.021	0.001	0.1	0.00
00:35	0.022	0.021	0.001	0.1	0.01
00:40	0.022	0.021	0.001	0.1	0.01
00:45	0.022	0.021	0.001	0.1	0.01
00:50	0.022	0.021	0.001	0.1	0.01
00:55	0.022	0.021	0.001	0.1	0.01
01:00	0.026	0.024	0.001	0.2	0.01
01:05	0.026	0.024	0.001	0.2	0.01
01:10	0.026	0.024	0.001	0.2	0.01
01:15	0.026	0.024	0.001	0.2	0.01
01:20	0.026	0.024	0.001	0.2	0.01
01:25	0.026	0.024	0.001	0.2	0.02
01:30	0.026	0.024	0.001	0.2	0.02
01:35	0.026	0.024	0.001	0.2	0.02
01:40	0.026	0.024	0.001	0.2	0.02
01:45	0.026	0.024	0.001	0.2	0.02
01:50	0.026	0.024	0.001	0.2	0.02
01:55	0.026	0.024	0.001	0.2	0.02
02:00	0.029	0.027	0.001	0.2	0.02
02:05	0.026	0.024	0.001	0.2	0.02
02:10	0.029	0.027	0.001	0.2	0.03
02:15	0.029	0.027	0.001	0.2	0.03
02:20	0.029	0.027	0.001	0.2	0.03
02:25	0.029	0.027	0.001	0.2	0.03
02:30	0.029	0.027	0.001	0.2	0.03
02:35	0.029	0.027	0.001	0.2	0.03
02:40	0.029	0.027	0.001	0.2	0.03
02:45	0.032	0.029	0.004	0.4	0.04
02:50	0.032	0.029	0.004	0.4	0.04
02:55	0.032	0.029	0.004	0.4	0.04
03:00	0.032	0.029	0.004	0.4	0.04
03:05	0.032	0.029	0.004	0.4	0.05
03:10	0.035	0.029	0.007	0.8	0.05
03:15	0.035	0.029	0.007	0.8	0.06
03:20	0.035	0.029	0.007	0.8	0.06
03:25	0.038	0.029	0.010	1.2	0.07
03:30	0.042	0.029	0.013	1.5	0.08
03:35	0.045	0.029	0.016	1.9	0.10
03:40	0.045	0.029	0.016	2.0	0.11
03:45	0.048	0.029	0.020	2.3	0.13
03:50	0.048	0.029	0.020	2.4	0.14
03:55	0.051	0.029	0.023	2.7	0.16
04:00	0.051	0.029	0.023	2.8	0.18
04:05	0.054	0.029	0.026	3.1	0.20
04:10	0.058	0.029	0.029	3.5	0.23
04:15	0.061	0.029	0.032	3.9	0.25
04:20	0.064	0.029	0.036	4.3	0.28
04:25	0.067	0.029	0.039	4.7	0.31
04:30	0.067	0.029	0.039	4.8	0.35
04:35	0.070	0.029	0.042	5.1	0.38
04:40	0.074	0.029	0.045	5.5	0.42
04:45	0.077	0.029	0.048	5.9	0.46
04:50	0.077	0.029	0.048	5.9	0.50
04:55	0.080	0.029	0.052	6.3	0.54
05:00	0.083	0.029	0.055	6.7	0.59
05:05	0.099	0.029	0.071	8.4	0.65
05:10	0.115	0.029	0.087	10.2	0.72
05:15	0.125	0.029	0.096	11.5	0.80
05:20	0.134	0.029	0.106	12.8	0.89
05:25	0.150	0.029	0.122	14.6	0.99

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.151	17.8	1.11
05:35	0.061	0.029	0.032	6.4	1.15
05:40	0.029	0.027	0.001	1.9	1.17
05:45	0.019	0.018	0.001	0.7	1.17
05:50	0.016	0.015	0.001	0.2	1.17
05:55	0.010	0.009	0.000	0.1	1.17
06:00	0.006	0.006	0.000	0.0	1.17
06:05	0.000	0.000	0.000	0.0	1.17
06:10	0.000	0.000	0.000	0.0	1.17
06:15	0.000	0.000	0.000	0.0	1.17
06:20	0.000	0.000	0.000	0.0	1.17
06:25	0.000	0.000	0.000	0.0	1.17
06:30	0.000	0.000	0.000	0.0	1.17
06:35	0.000	0.000	0.000	0.0	1.17
06:40	0.000	0.000	0.000	0.0	1.17
06:45	0.000	0.000	0.000	0.0	1.17
06:50	0.000	0.000	0.000	0.0	1.17
06:55	0.000	0.000	0.000	0.0	1.17
07:00	0.000	0.000	0.000	0.0	1.17
07:05	0.000	0.000	0.000	0.0	1.17
07:10	0.000	0.000	0.000	0.0	1.17
07:15	0.000	0.000	0.000	0.0	1.17
07:20	0.000	0.000	0.000	0.0	1.17
07:25	0.000	0.000	0.000	0.0	1.17
07:30	0.000	0.000	0.000	0.0	1.17
07:35	0.000	0.000	0.000	0.0	1.17
07:40	0.000	0.000	0.000	0.0	1.17
07:45	0.000	0.000	0.000	0.0	1.17
07:50	0.000	0.000	0.000	0.0	1.17
07:55	0.000	0.000	0.000	0.0	1.17
08:00	0.000	0.000	0.000	0.0	1.17
08:05	0.000	0.000	0.000	0.0	1.17
08:10	0.000	0.000	0.000	0.0	1.17
08:15	0.000	0.000	0.000	0.0	1.17
08:20	0.000	0.000	0.000	0.0	1.17
08:25	0.000	0.000	0.000	0.0	1.17
08:30	0.000	0.000	0.000	0.0	1.17
08:35	0.000	0.000	0.000	0.0	1.17
08:40	0.000	0.000	0.000	0.0	1.17
08:45	0.000	0.000	0.000	0.0	1.17
08:50	0.000	0.000	0.000	0.0	1.17
08:55	0.000	0.000	0.000	0.0	1.17
09:00	0.000	0.000	0.000	0.0	1.17
09:05	0.000	0.000	0.000	0.0	1.17
09:10	0.000	0.000	0.000	0.0	1.17
09:15	0.000	0.000	0.000	0.0	1.17
09:20	0.000	0.000	0.000	0.0	1.17
09:25	0.000	0.000	0.000	0.0	1.17
09:30	0.000	0.000	0.000	0.0	1.17
09:35	0.000	0.000	0.000	0.0	1.17
09:40	0.000	0.000	0.000	0.0	1.17
09:45	0.000	0.000	0.000	0.0	1.17
09:50	0.000	0.000	0.000	0.0	1.17
09:55	0.000	0.000	0.000	0.0	1.17
10:00	0.000	0.000	0.000	0.0	1.17
10:05	0.000	0.000	0.000	0.0	1.17
10:10	0.000	0.000	0.000	0.0	1.17
10:15	0.000	0.000	0.000	0.0	1.17
10:20	0.000	0.000	0.000	0.0	1.17
10:25	0.000	0.000	0.000	0.0	1.17
10:30	0.000	0.000	0.000	0.0	1.17
10:35	0.000	0.000	0.000	0.0	1.17

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.003	0.013	0.3	0.00
00:10	0.019	0.003	0.016	0.9	0.01
00:15	0.019	0.003	0.016	1.1	0.02
00:20	0.019	0.003	0.016	1.3	0.02
00:25	0.019	0.003	0.016	1.4	0.03
00:30	0.022	0.003	0.019	1.5	0.04
00:35	0.022	0.003	0.019	1.6	0.06
00:40	0.022	0.003	0.019	1.7	0.07
00:45	0.022	0.003	0.019	1.7	0.08
00:50	0.022	0.003	0.019	1.8	0.09
00:55	0.022	0.003	0.019	1.8	0.10
01:00	0.026	0.003	0.022	1.9	0.12
01:05	0.026	0.003	0.022	2.0	0.13
01:10	0.026	0.003	0.022	2.1	0.15
01:15	0.026	0.003	0.022	2.1	0.16
01:20	0.026	0.003	0.022	2.1	0.18
01:25	0.026	0.003	0.022	2.2	0.19
01:30	0.026	0.003	0.022	2.2	0.20
01:35	0.026	0.003	0.022	2.2	0.22
01:40	0.026	0.003	0.022	2.2	0.23
01:45	0.026	0.003	0.022	2.2	0.25
01:50	0.026	0.003	0.022	2.2	0.26
01:55	0.026	0.003	0.022	2.2	0.28
02:00	0.029	0.003	0.025	2.3	0.30
02:05	0.026	0.003	0.022	2.3	0.31
02:10	0.029	0.003	0.025	2.3	0.33
02:15	0.029	0.003	0.025	2.4	0.34
02:20	0.029	0.003	0.025	2.4	0.36
02:25	0.029	0.003	0.025	2.5	0.38
02:30	0.029	0.003	0.025	2.5	0.39
02:35	0.029	0.003	0.025	2.5	0.41
02:40	0.029	0.003	0.025	2.5	0.43
02:45	0.032	0.003	0.029	2.6	0.45
02:50	0.032	0.003	0.029	2.7	0.46
02:55	0.032	0.003	0.029	2.7	0.48
03:00	0.032	0.003	0.029	2.8	0.50
03:05	0.032	0.003	0.029	2.8	0.52
03:10	0.035	0.003	0.032	2.9	0.54
03:15	0.035	0.003	0.032	3.0	0.56
03:20	0.035	0.003	0.032	3.0	0.58
03:25	0.038	0.003	0.035	3.1	0.60
03:30	0.042	0.003	0.038	3.4	0.63
03:35	0.045	0.003	0.041	3.6	0.65
03:40	0.045	0.003	0.041	3.8	0.68
03:45	0.048	0.003	0.045	4.0	0.71
03:50	0.048	0.003	0.045	4.1	0.73
03:55	0.051	0.003	0.048	4.3	0.76
04:00	0.051	0.003	0.048	4.5	0.79
04:05	0.054	0.003	0.051	4.6	0.83
04:10	0.058	0.003	0.054	4.9	0.86
04:15	0.061	0.003	0.057	5.1	0.90
04:20	0.064	0.003	0.061	5.4	0.93
04:25	0.067	0.003	0.064	5.7	0.97
04:30	0.067	0.003	0.064	5.9	1.01
04:35	0.070	0.003	0.067	6.1	1.06
04:40	0.074	0.003	0.070	6.4	1.10
04:45	0.077	0.003	0.073	6.7	1.14
04:50	0.077	0.003	0.073	6.9	1.19
04:55	0.080	0.003	0.077	7.1	1.24
05:00	0.083	0.003	0.080	7.3	1.29
05:05	0.099	0.003	0.096	7.9	1.35
05:10	0.115	0.003	0.112	9.0	1.41
05:15	0.125	0.003	0.121	10.1	1.48
05:20	0.134	0.003	0.131	11.1	1.55
05:25	0.150	0.003	0.147	12.2	1.64

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.003	0.176	13.8	1.73
05:35	0.061	0.003	0.057	12.3	1.82
05:40	0.029	0.003	0.025	7.8	1.87
05:45	0.019	0.003	0.016	5.2	1.91
05:50	0.016	0.003	0.013	3.8	1.93
05:55	0.010	0.003	0.006	2.7	1.95
06:00	0.006	0.003	0.003	2.0	1.97
06:05	0.000	0.000	0.000	1.5	1.98
06:10	0.000	0.000	0.000	1.1	1.98
06:15	0.000	0.000	0.000	0.9	1.99
06:20	0.000	0.000	0.000	0.7	2.00
06:25	0.000	0.000	0.000	0.5	2.00
06:30	0.000	0.000	0.000	0.2	2.00
06:35	0.000	0.000	0.000	0.1	2.00
06:40	0.000	0.000	0.000	0.1	2.00
06:45	0.000	0.000	0.000	0.0	2.00
06:50	0.000	0.000	0.000	0.0	2.00
06:55	0.000	0.000	0.000	0.0	2.00
07:00	0.000	0.000	0.000	0.0	2.00
07:05	0.000	0.000	0.000	0.0	2.00
07:10	0.000	0.000	0.000	0.0	2.00
07:15	0.000	0.000	0.000	0.0	2.00
07:20	0.000	0.000	0.000	0.0	2.00
07:25	0.000	0.000	0.000	0.0	2.00
07:30	0.000	0.000	0.000	0.0	2.00
07:35	0.000	0.000	0.000	0.0	2.00
07:40	0.000	0.000	0.000	0.0	2.00
07:45	0.000	0.000	0.000	0.0	2.00
07:50	0.000	0.000	0.000	0.0	2.00
07:55	0.000	0.000	0.000	0.0	2.00
08:00	0.000	0.000	0.000	0.0	2.00
08:05	0.000	0.000	0.000	0.0	2.00
08:10	0.000	0.000	0.000	0.0	2.00
08:15	0.000	0.000	0.000	0.0	2.00
08:20	0.000	0.000	0.000	0.0	2.00
08:25	0.000	0.000	0.000	0.0	2.00
08:30	0.000	0.000	0.000	0.0	2.00
08:35	0.000	0.000	0.000	0.0	2.00
08:40	0.000	0.000	0.000	0.0	2.00
08:45	0.000	0.000	0.000	0.0	2.00
08:50	0.000	0.000	0.000	0.0	2.00
08:55	0.000	0.000	0.000	0.0	2.00
09:00	0.000	0.000	0.000	0.0	2.00
09:05	0.000	0.000	0.000	0.0	2.00
09:10	0.000	0.000	0.000	0.0	2.00
09:15	0.000	0.000	0.000	0.0	2.00
09:20	0.000	0.000	0.000	0.0	2.00
09:25	0.000	0.000	0.000	0.0	2.00
09:30	0.000	0.000	0.000	0.0	2.00
09:35	0.000	0.000	0.000	0.0	2.00
09:40	0.000	0.000	0.000	0.0	2.00
09:45	0.000	0.000	0.000	0.0	2.00
09:50	0.000	0.000	0.000	0.0	2.00
09:55	0.000	0.000	0.000	0.0	2.00
10:00	0.000	0.000	0.000	0.0	2.00
10:05	0.000	0.000	0.000	0.0	2.00
10:10	0.000	0.000	0.000	0.0	2.00
10:15	0.000	0.000	0.000	0.0	2.00
10:20	0.000	0.000	0.000	0.0	2.00
10:25	0.000	0.000	0.000	0.0	2.00
10:30	0.000	0.000	0.000	0.0	2.00
10:35	0.000	0.000	0.000	0.0	2.00

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.031	0.001	0.0	0.00
02:50	0.032	0.031	0.001	0.1	0.00
02:55	0.032	0.031	0.001	0.1	0.00
03:00	0.032	0.031	0.001	0.1	0.00
03:05	0.032	0.031	0.001	0.1	0.00
03:10	0.035	0.031	0.004	0.2	0.00
03:15	0.035	0.031	0.004	0.3	0.01
03:20	0.035	0.031	0.004	0.3	0.01
03:25	0.038	0.031	0.008	0.4	0.01
03:30	0.042	0.031	0.011	0.6	0.01
03:35	0.045	0.031	0.014	0.8	0.02
03:40	0.045	0.031	0.014	0.9	0.03
03:45	0.048	0.031	0.017	1.1	0.03
03:50	0.048	0.031	0.017	1.2	0.04
03:55	0.051	0.031	0.020	1.3	0.05
04:00	0.051	0.031	0.020	1.4	0.06
04:05	0.054	0.031	0.024	1.6	0.07
04:10	0.058	0.031	0.027	1.8	0.08
04:15	0.061	0.031	0.030	2.0	0.10
04:20	0.064	0.031	0.033	2.2	0.11
04:25	0.067	0.031	0.036	2.4	0.13
04:30	0.067	0.031	0.036	2.5	0.15
04:35	0.070	0.031	0.040	2.7	0.17
04:40	0.074	0.031	0.043	2.9	0.19
04:45	0.077	0.031	0.046	3.1	0.21
04:50	0.077	0.031	0.046	3.2	0.23
04:55	0.080	0.031	0.049	3.4	0.25
05:00	0.083	0.031	0.052	3.6	0.28
05:05	0.099	0.031	0.068	4.3	0.31
05:10	0.115	0.031	0.084	5.3	0.35
05:15	0.125	0.031	0.094	6.1	0.39
05:20	0.134	0.031	0.104	6.8	0.43
05:25	0.150	0.031	0.120	7.8	0.49

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.031	0.148	9.4	0.55
05:35	0.061	0.031	0.030	5.4	0.59
05:40	0.029	0.029	0.000	2.3	0.61
05:45	0.019	0.019	0.000	1.1	0.61
05:50	0.016	0.016	0.000	0.8	0.62
05:55	0.010	0.010	0.000	0.6	0.62
06:00	0.006	0.006	0.000	0.4	0.63
06:05	0.000	0.000	0.000	0.2	0.63
06:10	0.000	0.000	0.000	0.0	0.63
06:15	0.000	0.000	0.000	0.0	0.63
06:20	0.000	0.000	0.000	0.0	0.63
06:25	0.000	0.000	0.000	0.0	0.63
06:30	0.000	0.000	0.000	0.0	0.63
06:35	0.000	0.000	0.000	0.0	0.63
06:40	0.000	0.000	0.000	0.0	0.63
06:45	0.000	0.000	0.000	0.0	0.63
06:50	0.000	0.000	0.000	0.0	0.63
06:55	0.000	0.000	0.000	0.0	0.63
07:00	0.000	0.000	0.000	0.0	0.63
07:05	0.000	0.000	0.000	0.0	0.63
07:10	0.000	0.000	0.000	0.0	0.63
07:15	0.000	0.000	0.000	0.0	0.63
07:20	0.000	0.000	0.000	0.0	0.63
07:25	0.000	0.000	0.000	0.0	0.63
07:30	0.000	0.000	0.000	0.0	0.63
07:35	0.000	0.000	0.000	0.0	0.63
07:40	0.000	0.000	0.000	0.0	0.63
07:45	0.000	0.000	0.000	0.0	0.63
07:50	0.000	0.000	0.000	0.0	0.63
07:55	0.000	0.000	0.000	0.0	0.63
08:00	0.000	0.000	0.000	0.0	0.63
08:05	0.000	0.000	0.000	0.0	0.63
08:10	0.000	0.000	0.000	0.0	0.63
08:15	0.000	0.000	0.000	0.0	0.63
08:20	0.000	0.000	0.000	0.0	0.63
08:25	0.000	0.000	0.000	0.0	0.63
08:30	0.000	0.000	0.000	0.0	0.63
08:35	0.000	0.000	0.000	0.0	0.63
08:40	0.000	0.000	0.000	0.0	0.63
08:45	0.000	0.000	0.000	0.0	0.63
08:50	0.000	0.000	0.000	0.0	0.63
08:55	0.000	0.000	0.000	0.0	0.63
09:00	0.000	0.000	0.000	0.0	0.63
09:05	0.000	0.000	0.000	0.0	0.63
09:10	0.000	0.000	0.000	0.0	0.63
09:15	0.000	0.000	0.000	0.0	0.63
09:20	0.000	0.000	0.000	0.0	0.63
09:25	0.000	0.000	0.000	0.0	0.63
09:30	0.000	0.000	0.000	0.0	0.63
09:35	0.000	0.000	0.000	0.0	0.63
09:40	0.000	0.000	0.000	0.0	0.63
09:45	0.000	0.000	0.000	0.0	0.63
09:50	0.000	0.000	0.000	0.0	0.63
09:55	0.000	0.000	0.000	0.0	0.63
10:00	0.000	0.000	0.000	0.0	0.63
10:05	0.000	0.000	0.000	0.0	0.63
10:10	0.000	0.000	0.000	0.0	0.63
10:15	0.000	0.000	0.000	0.0	0.63
10:20	0.000	0.000	0.000	0.0	0.63
10:25	0.000	0.000	0.000	0.0	0.63
10:30	0.000	0.000	0.000	0.0	0.63
10:35	0.000	0.000	0.000	0.0	0.63

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.004	0.012	0.5	0.00
00:10	0.019	0.004	0.015	0.8	0.01
00:15	0.019	0.004	0.015	0.8	0.01
00:20	0.019	0.004	0.015	0.8	0.02
00:25	0.019	0.004	0.015	0.9	0.03
00:30	0.022	0.004	0.018	1.0	0.03
00:35	0.022	0.004	0.018	1.0	0.04
00:40	0.022	0.004	0.018	1.0	0.05
00:45	0.022	0.004	0.018	1.1	0.05
00:50	0.022	0.004	0.018	1.1	0.06
00:55	0.022	0.004	0.018	1.1	0.07
01:00	0.026	0.004	0.021	1.2	0.08
01:05	0.026	0.004	0.021	1.2	0.09
01:10	0.026	0.004	0.021	1.2	0.09
01:15	0.026	0.004	0.021	1.2	0.10
01:20	0.026	0.004	0.021	1.2	0.11
01:25	0.026	0.004	0.021	1.2	0.12
01:30	0.026	0.004	0.021	1.2	0.13
01:35	0.026	0.004	0.021	1.2	0.14
01:40	0.026	0.004	0.021	1.2	0.15
01:45	0.026	0.004	0.021	1.2	0.15
01:50	0.026	0.004	0.021	1.2	0.16
01:55	0.026	0.004	0.021	1.2	0.17
02:00	0.029	0.004	0.024	1.4	0.18
02:05	0.026	0.004	0.021	1.3	0.19
02:10	0.029	0.004	0.024	1.4	0.20
02:15	0.029	0.004	0.024	1.4	0.21
02:20	0.029	0.004	0.024	1.4	0.22
02:25	0.029	0.004	0.024	1.4	0.23
02:30	0.029	0.004	0.024	1.4	0.24
02:35	0.029	0.004	0.024	1.4	0.25
02:40	0.029	0.004	0.024	1.4	0.26
02:45	0.032	0.004	0.028	1.6	0.27
02:50	0.032	0.004	0.028	1.6	0.28
02:55	0.032	0.004	0.028	1.6	0.29
03:00	0.032	0.004	0.028	1.6	0.30
03:05	0.032	0.004	0.028	1.6	0.31
03:10	0.035	0.004	0.031	1.8	0.33
03:15	0.035	0.004	0.031	1.8	0.34
03:20	0.035	0.004	0.031	1.8	0.35
03:25	0.038	0.004	0.034	1.9	0.36
03:30	0.042	0.004	0.037	2.1	0.38
03:35	0.045	0.004	0.040	2.3	0.39
03:40	0.045	0.004	0.040	2.3	0.41
03:45	0.048	0.004	0.044	2.5	0.43
03:50	0.048	0.004	0.044	2.5	0.45
03:55	0.051	0.004	0.047	2.7	0.46
04:00	0.051	0.004	0.047	2.7	0.48
04:05	0.054	0.004	0.050	2.9	0.50
04:10	0.058	0.004	0.053	3.1	0.52
04:15	0.061	0.004	0.056	3.2	0.55
04:20	0.064	0.004	0.060	3.4	0.57
04:25	0.067	0.004	0.063	3.6	0.59
04:30	0.067	0.004	0.063	3.7	0.62
04:35	0.070	0.004	0.066	3.8	0.65
04:40	0.074	0.004	0.069	4.0	0.67
04:45	0.077	0.004	0.072	4.2	0.70
04:50	0.077	0.004	0.072	4.2	0.73
04:55	0.080	0.004	0.076	4.4	0.76
05:00	0.083	0.004	0.079	4.6	0.79
05:05	0.099	0.004	0.095	5.3	0.83
05:10	0.115	0.004	0.111	6.2	0.87
05:15	0.125	0.004	0.120	6.8	0.92
05:20	0.134	0.004	0.130	7.4	0.97
05:25	0.150	0.004	0.146	8.2	1.03

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.004	0.175	9.7	1.09
05:35	0.061	0.004	0.056	4.9	1.13
05:40	0.029	0.004	0.024	2.5	1.14
05:45	0.019	0.004	0.015	1.6	1.16
05:50	0.016	0.004	0.012	1.0	1.16
05:55	0.010	0.004	0.005	0.5	1.17
06:00	0.006	0.004	0.003	0.3	1.17
06:05	0.000	0.000	0.000	0.1	1.17
06:10	0.000	0.000	0.000	0.0	1.17
06:15	0.000	0.000	0.000	0.0	1.17
06:20	0.000	0.000	0.000	0.0	1.17
06:25	0.000	0.000	0.000	0.0	1.17
06:30	0.000	0.000	0.000	0.0	1.17
06:35	0.000	0.000	0.000	0.0	1.17
06:40	0.000	0.000	0.000	0.0	1.17
06:45	0.000	0.000	0.000	0.0	1.17
06:50	0.000	0.000	0.000	0.0	1.17
06:55	0.000	0.000	0.000	0.0	1.17
07:00	0.000	0.000	0.000	0.0	1.17
07:05	0.000	0.000	0.000	0.0	1.17
07:10	0.000	0.000	0.000	0.0	1.17
07:15	0.000	0.000	0.000	0.0	1.17
07:20	0.000	0.000	0.000	0.0	1.17
07:25	0.000	0.000	0.000	0.0	1.17
07:30	0.000	0.000	0.000	0.0	1.17
07:35	0.000	0.000	0.000	0.0	1.17
07:40	0.000	0.000	0.000	0.0	1.17
07:45	0.000	0.000	0.000	0.0	1.17
07:50	0.000	0.000	0.000	0.0	1.17
07:55	0.000	0.000	0.000	0.0	1.17
08:00	0.000	0.000	0.000	0.0	1.17
08:05	0.000	0.000	0.000	0.0	1.17
08:10	0.000	0.000	0.000	0.0	1.17
08:15	0.000	0.000	0.000	0.0	1.17
08:20	0.000	0.000	0.000	0.0	1.17
08:25	0.000	0.000	0.000	0.0	1.17
08:30	0.000	0.000	0.000	0.0	1.17
08:35	0.000	0.000	0.000	0.0	1.17
08:40	0.000	0.000	0.000	0.0	1.17
08:45	0.000	0.000	0.000	0.0	1.17
08:50	0.000	0.000	0.000	0.0	1.17
08:55	0.000	0.000	0.000	0.0	1.17
09:00	0.000	0.000	0.000	0.0	1.17
09:05	0.000	0.000	0.000	0.0	1.17
09:10	0.000	0.000	0.000	0.0	1.17
09:15	0.000	0.000	0.000	0.0	1.17
09:20	0.000	0.000	0.000	0.0	1.17
09:25	0.000	0.000	0.000	0.0	1.17
09:30	0.000	0.000	0.000	0.0	1.17
09:35	0.000	0.000	0.000	0.0	1.17
09:40	0.000	0.000	0.000	0.0	1.17
09:45	0.000	0.000	0.000	0.0	1.17
09:50	0.000	0.000	0.000	0.0	1.17
09:55	0.000	0.000	0.000	0.0	1.17
10:00	0.000	0.000	0.000	0.0	1.17
10:05	0.000	0.000	0.000	0.0	1.17
10:10	0.000	0.000	0.000	0.0	1.17
10:15	0.000	0.000	0.000	0.0	1.17
10:20	0.000	0.000	0.000	0.0	1.17
10:25	0.000	0.000	0.000	0.0	1.17
10:30	0.000	0.000	0.000	0.0	1.17
10:35	0.000	0.000	0.000	0.0	1.17

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.02	0.5	3.5	0.01	0.02
00:10	0.12	0.5	12.3	0.07	0.11
00:15	0.30	0.5	17.9	0.17	0.23
00:20	0.54	0.5	21.4	0.31	0.38
00:25	0.85	0.6	29.6	0.48	0.58
00:30	1.29	0.6	43.2	0.73	0.88
00:35	1.87	0.6	54.3	1.07	1.25
00:40	2.33	0.7	60.9	1.46	1.67
00:45	2.77	0.7	65.4	1.90	2.12
00:50	3.01	0.8	69.0	2.13	2.60
00:55	3.01	0.8	72.0	2.13	3.10
01:00	3.01	0.8	76.9	2.13	3.63
01:05	3.01	0.8	82.1	2.13	4.19
01:10	3.01	0.8	86.7	2.13	4.79
01:15	3.01	0.8	91.7	2.13	5.42
01:20	3.01	0.8	97.0	2.13	6.09
01:25	3.01	0.8	101.6	2.13	6.79
01:30	3.01	0.8	104.9	2.14	7.51
01:35	3.01	0.8	107.2	2.14	8.25
01:40	3.01	0.8	109.0	2.14	9.00
01:45	3.02	0.8	110.4	2.14	9.76
01:50	3.02	0.8	111.4	2.14	10.53
01:55	3.02	0.8	112.3	2.14	11.30
02:00	3.02	0.8	116.2	2.14	12.10
02:05	3.02	0.8	118.8	2.14	12.92
02:10	3.02	0.8	123.6	2.14	13.77
02:15	3.02	0.8	130.7	2.14	14.67
02:20	3.02	0.8	138.6	2.15	15.62
02:25	3.03	0.8	145.5	2.15	16.63
02:30	3.03	0.8	152.5	2.15	17.68
02:35	3.03	0.8	158.9	2.15	18.77
02:40	3.03	0.8	163.7	2.16	19.90
02:45	3.04	0.8	170.7	2.16	21.07
02:50	3.04	0.8	178.4	2.16	22.30
02:55	3.04	0.8	186.6	2.16	23.59
03:00	3.05	0.8	196.1	2.17	24.94
03:05	3.05	0.8	206.4	2.17	26.36
03:10	3.06	0.8	219.0	2.18	27.87
03:15	3.07	0.8	230.5	2.19	29.46
03:20	3.07	0.8	241.1	2.19	31.12
03:25	3.08	0.8	256.4	2.20	32.88
03:30	3.09	0.8	277.9	2.22	34.80
03:35	3.11	0.8	303.7	2.23	36.89
03:40	3.13	0.8	330.8	2.25	39.17
03:45	3.16	0.8	364.1	2.28	41.67
03:50	3.19	0.8	398.5	2.31	44.42
03:55	3.23	0.8	433.3	2.35	47.40
04:00	3.26	0.8	464.5	2.38	50.60
04:05	3.30	0.8	496.6	2.42	54.02
04:10	3.34	0.8	531.9	2.46	57.68
04:15	3.39	0.8	570.2	2.51	61.61
04:20	3.45	0.8	612.2	2.57	65.83
04:25	3.52	0.9	659.1	2.64	70.37
04:30	3.60	0.9	705.4	2.71	75.22
04:35	3.66	0.9	753.1	2.77	80.41
04:40	3.75	0.9	801.7	2.86	85.93
04:45	3.85	0.9	849.9	2.96	91.79
04:50	3.95	0.9	899.1	3.06	97.98
04:55	4.07	0.9	960.0	3.18	104.59
05:00	4.23	1.0	1027.7	3.33	111.67
05:05	4.43	1.0	1119.5	3.52	119.38
05:10	4.72	1.0	1243.4	3.81	127.94
05:15	5.13	1.1	1392.7	4.21	137.53
05:20	5.66	1.2	1570.0	4.74	148.35
05:25	6.22	1.3	1783.4	5.29	160.63

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	6.52	1.3	2044.8	5.58	174.71
05:35	6.67	1.3	2068.3	5.73	188.95
05:40	6.59	1.3	1944.6	5.65	202.35
05:45	6.45	1.3	1754.2	5.51	214.43
05:50	6.12	1.3	1464.7	5.19	224.52
05:55	5.24	1.1	1139.5	4.32	232.36
06:00	4.33	1.0	875.5	3.43	238.39
06:05	3.78	0.9	691.3	2.89	243.15
06:10	3.49	0.9	563.3	2.60	247.03
06:15	3.33	0.8	464.3	2.45	250.23
06:20	3.23	0.8	386.7	2.34	252.89
06:25	3.16	0.8	331.6	2.28	255.18
06:30	3.12	0.8	289.4	2.24	257.17
06:35	3.09	0.8	250.9	2.21	258.90
06:40	3.07	0.8	211.9	2.19	260.36
06:45	3.05	0.8	175.8	2.17	261.57
06:50	3.03	0.8	153.1	2.16	262.62
06:55	3.03	0.8	141.3	2.15	263.60
07:00	3.02	0.8	134.0	2.15	264.52
07:05	3.02	0.8	127.8	2.14	265.40
07:10	3.02	0.8	121.8	2.14	266.24
07:15	3.02	0.8	116.0	2.14	267.04
07:20	3.02	0.8	110.4	2.14	267.80
07:25	3.01	0.8	104.8	2.14	268.52
07:30	3.01	0.8	99.1	2.13	269.20
07:35	3.01	0.8	93.3	2.13	269.85
07:40	3.01	0.8	87.5	2.13	270.45
07:45	3.01	0.8	81.6	2.13	271.01
07:50	3.01	0.8	75.3	2.13	271.53
07:55	3.01	0.8	68.2	2.13	272.00
08:00	3.01	0.8	60.1	2.13	272.41
08:05	3.00	0.8	51.3	2.13	272.77
08:10	3.00	0.8	41.9	2.13	273.05
08:15	3.00	0.8	32.1	2.12	273.27
08:20	3.00	0.8	22.8	2.12	273.43
08:25	3.00	0.8	15.3	2.12	273.54
08:30	3.00	0.8	10.1	2.12	273.61
08:35	3.00	0.8	7.0	2.12	273.65
08:40	3.00	0.8	5.3	2.12	273.69
08:45	3.00	0.8	4.3	2.12	273.72
08:50	3.00	0.8	3.7	2.12	273.75
08:55	3.00	0.8	3.2	2.12	273.77
09:00	3.00	0.8	2.9	2.12	273.79
09:05	3.00	0.8	2.7	2.12	273.81
09:10	3.00	0.8	2.4	2.12	273.82
09:15	3.00	0.8	2.2	2.12	273.84
09:20	3.00	0.8	2.1	2.12	273.85
09:25	3.00	0.8	1.9	2.12	273.87
09:30	3.00	0.8	1.8	2.12	273.88
09:35	3.00	0.8	1.7	2.12	273.89
09:40	3.00	0.8	1.6	2.12	273.90
09:45	3.00	0.8	1.5	2.12	273.91
09:50	3.00	0.8	1.4	2.12	273.92
09:55	3.00	0.8	1.4	2.12	273.93
10:00	3.00	0.8	1.3	2.12	273.94
10:05	3.00	0.8	1.2	2.12	273.95
10:10	3.00	0.8	1.2	2.12	273.96
10:15	3.00	0.8	1.1	2.12	273.96
10:20	3.00	0.8	1.1	2.12	273.97
10:25	3.00	0.8	1.0	2.12	273.98
10:30	3.00	0.8	1.0	2.12	273.99
10:35	3.00	0.8	0.9	2.12	273.99

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	3.1	0.02
02:50	0.032	0.029	0.003	5.8	0.06
02:55	0.032	0.029	0.003	6.7	0.11
03:00	0.032	0.029	0.003	7.2	0.16
03:05	0.032	0.029	0.003	7.4	0.21
03:10	0.035	0.029	0.006	11.1	0.29
03:15	0.035	0.029	0.006	14.3	0.38
03:20	0.035	0.029	0.006	15.4	0.49
03:25	0.038	0.029	0.009	19.7	0.63
03:30	0.042	0.029	0.012	26.6	0.81
03:35	0.045	0.029	0.016	34.3	1.05
03:40	0.045	0.029	0.016	39.1	1.31
03:45	0.048	0.029	0.019	44.6	1.62
03:50	0.048	0.029	0.019	48.8	1.96
03:55	0.051	0.029	0.022	54.0	2.33
04:00	0.051	0.029	0.022	58.1	2.73
04:05	0.054	0.029	0.025	63.4	3.17
04:10	0.058	0.029	0.028	71.1	3.66
04:15	0.061	0.029	0.032	79.3	4.20
04:20	0.064	0.029	0.035	88.0	4.81
04:25	0.067	0.029	0.038	96.7	5.47
04:30	0.067	0.029	0.038	102.0	6.18
04:35	0.070	0.029	0.041	107.8	6.92
04:40	0.074	0.029	0.044	115.8	7.72
04:45	0.077	0.029	0.048	124.2	8.57
04:50	0.077	0.029	0.048	129.6	9.46
04:55	0.080	0.029	0.051	135.6	10.40
05:00	0.083	0.029	0.054	143.5	11.39
05:05	0.099	0.029	0.070	166.0	12.53
05:10	0.115	0.029	0.086	201.1	13.91
05:15	0.125	0.029	0.096	233.2	15.52
05:20	0.134	0.029	0.105	261.7	17.32
05:25	0.150	0.029	0.121	296.2	19.36

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	350.3	21.78
05:35	0.061	0.029	0.032	256.4	23.54
05:40	0.029	0.029	0.000	123.9	24.39
05:45	0.019	0.019	0.000	66.4	24.85
05:50	0.016	0.016	0.000	38.8	25.12
05:55	0.010	0.010	0.000	29.1	25.32
06:00	0.006	0.006	0.000	24.1	25.49
06:05	0.000	0.000	0.000	19.0	25.62
06:10	0.000	0.000	0.000	13.2	25.71
06:15	0.000	0.000	0.000	6.3	25.75
06:20	0.000	0.000	0.000	1.0	25.76
06:25	0.000	0.000	0.000	0.0	25.76
06:30	0.000	0.000	0.000	0.0	25.76
06:35	0.000	0.000	0.000	0.0	25.76
06:40	0.000	0.000	0.000	0.0	25.76
06:45	0.000	0.000	0.000	0.0	25.76
06:50	0.000	0.000	0.000	0.0	25.76
06:55	0.000	0.000	0.000	0.0	25.76
07:00	0.000	0.000	0.000	0.0	25.76
07:05	0.000	0.000	0.000	0.0	25.76
07:10	0.000	0.000	0.000	0.0	25.76
07:15	0.000	0.000	0.000	0.0	25.76
07:20	0.000	0.000	0.000	0.0	25.76
07:25	0.000	0.000	0.000	0.0	25.76
07:30	0.000	0.000	0.000	0.0	25.76
07:35	0.000	0.000	0.000	0.0	25.76
07:40	0.000	0.000	0.000	0.0	25.76
07:45	0.000	0.000	0.000	0.0	25.76
07:50	0.000	0.000	0.000	0.0	25.76
07:55	0.000	0.000	0.000	0.0	25.76
08:00	0.000	0.000	0.000	0.0	25.76
08:05	0.000	0.000	0.000	0.0	25.76
08:10	0.000	0.000	0.000	0.0	25.76
08:15	0.000	0.000	0.000	0.0	25.76
08:20	0.000	0.000	0.000	0.0	25.76
08:25	0.000	0.000	0.000	0.0	25.76
08:30	0.000	0.000	0.000	0.0	25.76
08:35	0.000	0.000	0.000	0.0	25.76
08:40	0.000	0.000	0.000	0.0	25.76
08:45	0.000	0.000	0.000	0.0	25.76
08:50	0.000	0.000	0.000	0.0	25.76
08:55	0.000	0.000	0.000	0.0	25.76
09:00	0.000	0.000	0.000	0.0	25.76
09:05	0.000	0.000	0.000	0.0	25.76
09:10	0.000	0.000	0.000	0.0	25.76
09:15	0.000	0.000	0.000	0.0	25.76
09:20	0.000	0.000	0.000	0.0	25.76
09:25	0.000	0.000	0.000	0.0	25.76
09:30	0.000	0.000	0.000	0.0	25.76
09:35	0.000	0.000	0.000	0.0	25.76
09:40	0.000	0.000	0.000	0.0	25.76
09:45	0.000	0.000	0.000	0.0	25.76
09:50	0.000	0.000	0.000	0.0	25.76
09:55	0.000	0.000	0.000	0.0	25.76
10:00	0.000	0.000	0.000	0.0	25.76
10:05	0.000	0.000	0.000	0.0	25.76
10:10	0.000	0.000	0.000	0.0	25.76
10:15	0.000	0.000	0.000	0.0	25.76
10:20	0.000	0.000	0.000	0.0	25.76
10:25	0.000	0.000	0.000	0.0	25.76
10:30	0.000	0.000	0.000	0.0	25.76
10:35	0.000	0.000	0.000	0.0	25.76

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.000	0.2	0.00
02:05	0.026	0.026	0.000	0.1	0.00
02:10	0.029	0.028	0.000	0.2	0.00
02:15	0.029	0.028	0.000	0.3	0.01
02:20	0.029	0.028	0.000	0.3	0.01
02:25	0.029	0.028	0.000	0.3	0.01
02:30	0.029	0.028	0.000	0.3	0.01
02:35	0.029	0.028	0.000	0.3	0.01
02:40	0.029	0.028	0.000	0.3	0.02
02:45	0.032	0.028	0.004	1.5	0.03
02:50	0.032	0.028	0.004	2.1	0.04
02:55	0.032	0.028	0.004	2.3	0.06
03:00	0.032	0.028	0.004	2.4	0.07
03:05	0.032	0.028	0.004	2.4	0.09
03:10	0.035	0.028	0.007	3.7	0.11
03:15	0.035	0.028	0.007	4.3	0.14
03:20	0.035	0.028	0.007	4.5	0.17
03:25	0.038	0.028	0.010	5.8	0.21
03:30	0.042	0.028	0.013	7.6	0.27
03:35	0.045	0.028	0.016	9.6	0.33
03:40	0.045	0.028	0.016	10.5	0.40
03:45	0.048	0.028	0.020	12.0	0.49
03:50	0.048	0.028	0.020	12.7	0.58
03:55	0.051	0.028	0.023	14.3	0.67
04:00	0.051	0.028	0.023	15.1	0.78
04:05	0.054	0.028	0.026	16.6	0.89
04:10	0.058	0.028	0.029	18.5	1.02
04:15	0.061	0.028	0.032	20.5	1.16
04:20	0.064	0.028	0.036	22.6	1.32
04:25	0.067	0.028	0.039	24.8	1.49
04:30	0.067	0.028	0.039	25.7	1.66
04:35	0.070	0.028	0.042	27.3	1.85
04:40	0.074	0.028	0.045	29.4	2.05
04:45	0.077	0.028	0.048	31.5	2.27
04:50	0.077	0.028	0.048	32.4	2.49
04:55	0.080	0.028	0.052	34.0	2.73
05:00	0.083	0.028	0.055	36.0	2.98
05:05	0.099	0.028	0.071	42.9	3.27
05:10	0.115	0.028	0.087	52.2	3.63
05:15	0.125	0.028	0.096	59.7	4.04
05:20	0.134	0.028	0.106	66.5	4.50
05:25	0.150	0.028	0.122	75.5	5.02

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.151	90.5	5.64
05:35	0.061	0.028	0.032	52.8	6.01
05:40	0.029	0.028	0.000	22.7	6.16
05:45	0.019	0.019	0.000	11.0	6.24
05:50	0.016	0.016	0.000	7.4	6.29
05:55	0.010	0.010	0.000	5.5	6.33
06:00	0.006	0.006	0.000	3.6	6.35
06:05	0.000	0.000	0.000	1.3	6.36
06:10	0.000	0.000	0.000	0.2	6.36
06:15	0.000	0.000	0.000	0.0	6.36
06:20	0.000	0.000	0.000	0.0	6.36
06:25	0.000	0.000	0.000	0.0	6.36
06:30	0.000	0.000	0.000	0.0	6.36
06:35	0.000	0.000	0.000	0.0	6.36
06:40	0.000	0.000	0.000	0.0	6.36
06:45	0.000	0.000	0.000	0.0	6.36
06:50	0.000	0.000	0.000	0.0	6.36
06:55	0.000	0.000	0.000	0.0	6.36
07:00	0.000	0.000	0.000	0.0	6.36
07:05	0.000	0.000	0.000	0.0	6.36
07:10	0.000	0.000	0.000	0.0	6.36
07:15	0.000	0.000	0.000	0.0	6.36
07:20	0.000	0.000	0.000	0.0	6.36
07:25	0.000	0.000	0.000	0.0	6.36
07:30	0.000	0.000	0.000	0.0	6.36
07:35	0.000	0.000	0.000	0.0	6.36
07:40	0.000	0.000	0.000	0.0	6.36
07:45	0.000	0.000	0.000	0.0	6.36
07:50	0.000	0.000	0.000	0.0	6.36
07:55	0.000	0.000	0.000	0.0	6.36
08:00	0.000	0.000	0.000	0.0	6.36
08:05	0.000	0.000	0.000	0.0	6.36
08:10	0.000	0.000	0.000	0.0	6.36
08:15	0.000	0.000	0.000	0.0	6.36
08:20	0.000	0.000	0.000	0.0	6.36
08:25	0.000	0.000	0.000	0.0	6.36
08:30	0.000	0.000	0.000	0.0	6.36
08:35	0.000	0.000	0.000	0.0	6.36
08:40	0.000	0.000	0.000	0.0	6.36
08:45	0.000	0.000	0.000	0.0	6.36
08:50	0.000	0.000	0.000	0.0	6.36
08:55	0.000	0.000	0.000	0.0	6.36
09:00	0.000	0.000	0.000	0.0	6.36
09:05	0.000	0.000	0.000	0.0	6.36
09:10	0.000	0.000	0.000	0.0	6.36
09:15	0.000	0.000	0.000	0.0	6.36
09:20	0.000	0.000	0.000	0.0	6.36
09:25	0.000	0.000	0.000	0.0	6.36
09:30	0.000	0.000	0.000	0.0	6.36
09:35	0.000	0.000	0.000	0.0	6.36
09:40	0.000	0.000	0.000	0.0	6.36
09:45	0.000	0.000	0.000	0.0	6.36
09:50	0.000	0.000	0.000	0.0	6.36
09:55	0.000	0.000	0.000	0.0	6.36
10:00	0.000	0.000	0.000	0.0	6.36
10:05	0.000	0.000	0.000	0.0	6.36
10:10	0.000	0.000	0.000	0.0	6.36
10:15	0.000	0.000	0.000	0.0	6.36
10:20	0.000	0.000	0.000	0.0	6.36
10:25	0.000	0.000	0.000	0.0	6.36
10:30	0.000	0.000	0.000	0.0	6.36
10:35	0.000	0.000	0.000	0.0	6.36

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.3	0.01
00:10	0.019	0.008	0.012	2.3	0.02
00:15	0.019	0.008	0.012	2.7	0.04
00:20	0.019	0.008	0.012	2.8	0.06
00:25	0.019	0.008	0.012	2.9	0.08
00:30	0.022	0.008	0.015	3.4	0.11
00:35	0.022	0.008	0.015	3.7	0.13
00:40	0.022	0.008	0.015	3.8	0.16
00:45	0.022	0.008	0.015	3.8	0.18
00:50	0.022	0.008	0.015	3.9	0.21
00:55	0.022	0.008	0.015	3.9	0.24
01:00	0.026	0.008	0.018	4.4	0.27
01:05	0.026	0.008	0.018	4.6	0.30
01:10	0.026	0.008	0.018	4.7	0.33
01:15	0.026	0.008	0.018	4.7	0.36
01:20	0.026	0.008	0.018	4.7	0.40
01:25	0.026	0.008	0.018	4.7	0.43
01:30	0.026	0.008	0.018	4.7	0.46
01:35	0.026	0.008	0.018	4.7	0.49
01:40	0.026	0.008	0.018	4.7	0.53
01:45	0.026	0.008	0.018	4.7	0.56
01:50	0.026	0.008	0.018	4.7	0.59
01:55	0.026	0.008	0.018	4.7	0.62
02:00	0.029	0.008	0.021	5.2	0.66
02:05	0.026	0.008	0.018	4.9	0.69
02:10	0.029	0.008	0.021	5.3	0.73
02:15	0.029	0.008	0.021	5.4	0.77
02:20	0.029	0.008	0.021	5.5	0.81
02:25	0.029	0.008	0.021	5.5	0.84
02:30	0.029	0.008	0.021	5.6	0.88
02:35	0.029	0.008	0.021	5.6	0.92
02:40	0.029	0.008	0.021	5.6	0.96
02:45	0.032	0.008	0.025	6.1	1.00
02:50	0.032	0.008	0.025	6.3	1.04
02:55	0.032	0.008	0.025	6.3	1.09
03:00	0.032	0.008	0.025	6.4	1.13
03:05	0.032	0.008	0.025	6.4	1.17
03:10	0.035	0.008	0.028	6.9	1.22
03:15	0.035	0.008	0.028	7.1	1.27
03:20	0.035	0.008	0.028	7.2	1.32
03:25	0.038	0.008	0.031	7.7	1.37
03:30	0.042	0.008	0.034	8.4	1.43
03:35	0.045	0.008	0.037	9.1	1.49
03:40	0.045	0.008	0.037	9.5	1.56
03:45	0.048	0.008	0.041	10.1	1.63
03:50	0.048	0.008	0.041	10.3	1.70
03:55	0.051	0.008	0.044	10.9	1.77
04:00	0.051	0.008	0.044	11.2	1.85
04:05	0.054	0.008	0.047	11.8	1.93
04:10	0.058	0.008	0.050	12.5	2.02
04:15	0.061	0.008	0.053	13.3	2.11
04:20	0.064	0.008	0.057	14.1	2.21
04:25	0.067	0.008	0.060	14.9	2.31
04:30	0.067	0.008	0.060	15.3	2.42
04:35	0.070	0.008	0.063	15.9	2.52
04:40	0.074	0.008	0.066	16.7	2.64
04:45	0.077	0.008	0.069	17.5	2.76
04:50	0.077	0.008	0.069	17.8	2.88
04:55	0.080	0.008	0.073	18.4	3.01
05:00	0.083	0.008	0.076	19.2	3.14
05:05	0.099	0.008	0.092	21.9	3.29
05:10	0.115	0.008	0.108	25.4	3.47
05:15	0.125	0.008	0.117	28.3	3.66
05:20	0.134	0.008	0.127	30.9	3.88
05:25	0.150	0.008	0.143	34.3	4.11

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	40.2	4.39
05:35	0.061	0.008	0.053	25.0	4.56
05:40	0.029	0.008	0.021	13.8	4.66
05:45	0.019	0.008	0.012	8.0	4.71
05:50	0.016	0.008	0.009	5.7	4.75
05:55	0.010	0.005	0.005	4.1	4.78
06:00	0.006	0.003	0.003	2.7	4.80
06:05	0.000	0.000	0.000	0.9	4.80
06:10	0.000	0.000	0.000	0.4	4.81
06:15	0.000	0.000	0.000	0.2	4.81
06:20	0.000	0.000	0.000	0.1	4.81
06:25	0.000	0.000	0.000	0.1	4.81
06:30	0.000	0.000	0.000	0.0	4.81
06:35	0.000	0.000	0.000	0.0	4.81
06:40	0.000	0.000	0.000	0.0	4.81
06:45	0.000	0.000	0.000	0.0	4.81
06:50	0.000	0.000	0.000	0.0	4.81
06:55	0.000	0.000	0.000	0.0	4.81
07:00	0.000	0.000	0.000	0.0	4.81
07:05	0.000	0.000	0.000	0.0	4.81
07:10	0.000	0.000	0.000	0.0	4.81
07:15	0.000	0.000	0.000	0.0	4.81
07:20	0.000	0.000	0.000	0.0	4.81
07:25	0.000	0.000	0.000	0.0	4.81
07:30	0.000	0.000	0.000	0.0	4.81
07:35	0.000	0.000	0.000	0.0	4.81
07:40	0.000	0.000	0.000	0.0	4.81
07:45	0.000	0.000	0.000	0.0	4.81
07:50	0.000	0.000	0.000	0.0	4.81
07:55	0.000	0.000	0.000	0.0	4.81
08:00	0.000	0.000	0.000	0.0	4.81
08:05	0.000	0.000	0.000	0.0	4.81
08:10	0.000	0.000	0.000	0.0	4.81
08:15	0.000	0.000	0.000	0.0	4.81
08:20	0.000	0.000	0.000	0.0	4.81
08:25	0.000	0.000	0.000	0.0	4.81
08:30	0.000	0.000	0.000	0.0	4.81
08:35	0.000	0.000	0.000	0.0	4.81
08:40	0.000	0.000	0.000	0.0	4.81
08:45	0.000	0.000	0.000	0.0	4.81
08:50	0.000	0.000	0.000	0.0	4.81
08:55	0.000	0.000	0.000	0.0	4.81
09:00	0.000	0.000	0.000	0.0	4.81
09:05	0.000	0.000	0.000	0.0	4.81
09:10	0.000	0.000	0.000	0.0	4.81
09:15	0.000	0.000	0.000	0.0	4.81
09:20	0.000	0.000	0.000	0.0	4.81
09:25	0.000	0.000	0.000	0.0	4.81
09:30	0.000	0.000	0.000	0.0	4.81
09:35	0.000	0.000	0.000	0.0	4.81
09:40	0.000	0.000	0.000	0.0	4.81
09:45	0.000	0.000	0.000	0.0	4.81
09:50	0.000	0.000	0.000	0.0	4.81
09:55	0.000	0.000	0.000	0.0	4.81
10:00	0.000	0.000	0.000	0.0	4.81
10:05	0.000	0.000	0.000	0.0	4.81
10:10	0.000	0.000	0.000	0.0	4.81
10:15	0.000	0.000	0.000	0.0	4.81
10:20	0.000	0.000	0.000	0.0	4.81
10:25	0.000	0.000	0.000	0.0	4.81
10:30	0.000	0.000	0.000	0.0	4.81
10:35	0.000	0.000	0.000	0.0	4.81

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.8	1.3	0.00	0.01
00:10	0.02	0.8	2.3	0.02	0.02
00:15	0.04	0.8	2.7	0.03	0.04
00:20	0.06	0.8	2.8	0.05	0.06
00:25	0.08	0.8	2.9	0.07	0.08
00:30	0.11	0.8	3.4	0.09	0.11
00:35	0.14	0.8	3.7	0.12	0.13
00:40	0.17	0.8	3.8	0.14	0.16
00:45	0.20	0.8	3.8	0.17	0.18
00:50	0.23	0.8	3.9	0.20	0.21
00:55	0.26	0.8	3.9	0.22	0.24
01:00	0.29	0.8	4.4	0.25	0.27
01:05	0.33	0.8	4.6	0.28	0.30
01:10	0.37	0.8	4.7	0.32	0.33
01:15	0.41	0.9	4.7	0.35	0.36
01:20	0.44	0.9	4.7	0.38	0.40
01:25	0.48	0.9	4.7	0.41	0.43
01:30	0.52	0.9	4.7	0.44	0.46
01:35	0.56	0.9	4.7	0.48	0.49
01:40	0.59	0.9	4.7	0.51	0.53
01:45	0.63	0.9	4.7	0.54	0.56
01:50	0.67	0.9	4.7	0.58	0.59
01:55	0.71	0.9	4.7	0.61	0.62
02:00	0.75	0.9	5.2	0.64	0.66
02:05	0.79	0.9	4.9	0.68	0.69
02:10	0.83	0.9	5.3	0.71	0.73
02:15	0.87	0.9	5.4	0.75	0.77
02:20	0.92	0.9	5.5	0.79	0.81
02:25	0.96	0.9	5.5	0.82	0.84
02:30	1.01	0.9	5.6	0.86	0.88
02:35	1.05	0.9	5.6	0.90	0.92
02:40	1.09	0.9	5.6	0.94	0.96
02:45	1.13	0.9	6.1	0.98	1.00
02:50	1.18	0.9	6.3	1.02	1.04
02:55	1.22	0.9	6.3	1.07	1.09
03:00	1.27	0.9	6.4	1.11	1.13
03:05	1.32	0.9	6.4	1.15	1.17
03:10	1.37	0.9	6.9	1.20	1.22
03:15	1.42	0.9	7.1	1.25	1.27
03:20	1.47	0.9	7.2	1.30	1.32
03:25	1.53	0.9	7.7	1.35	1.37
03:30	1.59	0.9	8.4	1.40	1.43
03:35	1.65	0.9	9.1	1.46	1.49
03:40	1.72	0.9	9.5	1.53	1.56
03:45	1.79	1.0	10.1	1.59	1.63
03:50	1.87	1.0	10.3	1.66	1.70
03:55	1.95	1.0	10.9	1.74	1.77
04:00	2.02	1.0	11.2	1.81	1.85
04:05	2.10	1.0	11.8	1.89	1.93
04:10	2.19	1.0	12.5	1.98	2.02
04:15	2.28	1.0	13.3	2.06	2.11
04:20	2.37	1.0	14.1	2.16	2.21
04:25	2.47	1.0	14.9	2.26	2.31
04:30	2.57	1.0	15.3	2.36	2.42
04:35	2.68	1.0	15.9	2.47	2.52
04:40	2.79	1.0	16.7	2.58	2.64
04:45	2.91	1.0	17.5	2.70	2.76
04:50	3.03	1.0	17.8	2.82	2.88
04:55	3.13	1.1	18.4	2.94	3.01
05:00	3.24	1.1	19.2	3.05	3.14
05:05	3.33	1.1	21.9	3.15	3.29
05:10	3.43	1.1	25.4	3.26	3.47
05:15	3.52	1.1	28.3	3.36	3.66
05:20	3.61	1.1	30.9	3.46	3.88
05:25	3.70	1.1	34.3	3.55	4.11

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.79	1.1	40.2	3.65	4.39
05:35	3.83	1.1	25.0	3.69	4.56
05:40	3.79	1.1	13.8	3.65	4.66
05:45	3.71	1.1	8.0	3.56	4.71
05:50	3.63	1.1	5.7	3.47	4.75
05:55	3.55	1.1	4.1	3.39	4.78
06:00	3.49	1.1	2.7	3.32	4.80
06:05	3.43	1.1	0.9	3.26	4.80
06:10	3.38	1.1	0.4	3.20	4.81
06:15	3.33	1.1	0.2	3.15	4.81
06:20	3.29	1.1	0.1	3.11	4.81
06:25	3.26	1.1	0.1	3.07	4.81
06:30	3.23	1.1	0.0	3.04	4.81
06:35	3.21	1.1	0.0	3.02	4.81
06:40	3.19	1.1	0.0	3.00	4.81
06:45	3.17	1.1	0.0	2.98	4.81
06:50	3.16	1.1	0.0	2.96	4.81
06:55	3.14	1.1	0.0	2.95	4.81
07:00	3.13	1.1	0.0	2.94	4.81
07:05	3.12	1.1	0.0	2.92	4.81
07:10	3.11	1.1	0.0	2.91	4.81
07:15	3.10	1.1	0.0	2.91	4.81
07:20	3.10	1.1	0.0	2.90	4.81
07:25	3.09	1.1	0.0	2.89	4.81
07:30	3.08	1.1	0.0	2.88	4.81
07:35	3.08	1.1	0.0	2.88	4.81
07:40	3.07	1.1	0.0	2.87	4.81
07:45	3.07	1.0	0.0	2.87	4.81
07:50	3.07	1.0	0.0	2.86	4.81
07:55	3.06	1.0	0.0	2.86	4.81
08:00	3.06	1.0	0.0	2.86	4.81
08:05	3.06	1.0	0.0	2.85	4.81
08:10	3.05	1.0	0.0	2.85	4.81
08:15	3.05	1.0	0.0	2.85	4.81
08:20	3.05	1.0	0.0	2.84	4.81
08:25	3.05	1.0	0.0	2.84	4.81
08:30	3.04	1.0	0.0	2.84	4.81
08:35	3.04	1.0	0.0	2.84	4.81
08:40	3.04	1.0	0.0	2.84	4.81
08:45	3.04	1.0	0.0	2.83	4.81
08:50	3.04	1.0	0.0	2.83	4.81
08:55	3.03	1.0	0.0	2.83	4.81
09:00	3.03	1.0	0.0	2.83	4.81
09:05	3.03	1.0	0.0	2.83	4.81
09:10	3.03	1.0	0.0	2.83	4.81
09:15	3.03	1.0	0.0	2.83	4.81
09:20	3.03	1.0	0.0	2.82	4.81
09:25	3.03	1.0	0.0	2.82	4.81
09:30	3.03	1.0	0.0	2.82	4.81
09:35	3.03	1.0	0.0	2.82	4.81
09:40	3.02	1.0	0.0	2.82	4.81
09:45	3.02	1.0	0.0	2.82	4.81
09:50	3.02	1.0	0.0	2.82	4.81
09:55	3.02	1.0	0.0	2.82	4.81
10:00	3.02	1.0	0.0	2.82	4.81
10:05	3.02	1.0	0.0	2.82	4.81
10:10	3.02	1.0	0.0	2.82	4.81
10:15	3.02	1.0	0.0	2.81	4.81
10:20	3.02	1.0	0.0	2.81	4.81
10:25	3.02	1.0	0.0	2.81	4.81
10:30	3.02	1.0	0.0	2.81	4.81
10:35	3.02	1.0	0.0	2.81	4.81

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.0	0.01
00:10	0.019	0.008	0.012	1.6	0.02
00:15	0.019	0.008	0.012	1.7	0.03
00:20	0.019	0.008	0.012	1.7	0.04
00:25	0.019	0.008	0.012	1.7	0.05
00:30	0.022	0.008	0.015	2.1	0.07
00:35	0.022	0.008	0.015	2.2	0.08
00:40	0.022	0.008	0.015	2.2	0.10
00:45	0.022	0.008	0.015	2.2	0.11
00:50	0.022	0.008	0.015	2.2	0.13
00:55	0.022	0.008	0.015	2.2	0.14
01:00	0.026	0.008	0.018	2.6	0.16
01:05	0.026	0.008	0.018	2.6	0.18
01:10	0.026	0.008	0.018	2.7	0.20
01:15	0.026	0.008	0.018	2.7	0.22
01:20	0.026	0.008	0.018	2.7	0.23
01:25	0.026	0.008	0.018	2.7	0.25
01:30	0.026	0.008	0.018	2.7	0.27
01:35	0.026	0.008	0.018	2.7	0.29
01:40	0.026	0.008	0.018	2.7	0.31
01:45	0.026	0.008	0.018	2.7	0.33
01:50	0.026	0.008	0.018	2.7	0.34
01:55	0.026	0.008	0.018	2.7	0.36
02:00	0.029	0.008	0.021	3.1	0.38
02:05	0.026	0.008	0.018	2.7	0.40
02:10	0.029	0.008	0.021	3.1	0.42
02:15	0.029	0.008	0.021	3.1	0.44
02:20	0.029	0.008	0.021	3.1	0.47
02:25	0.029	0.008	0.021	3.1	0.49
02:30	0.029	0.008	0.021	3.1	0.51
02:35	0.029	0.008	0.021	3.1	0.53
02:40	0.029	0.008	0.021	3.1	0.55
02:45	0.032	0.008	0.025	3.5	0.58
02:50	0.032	0.008	0.025	3.6	0.60
02:55	0.032	0.008	0.025	3.6	0.63
03:00	0.032	0.008	0.025	3.6	0.65
03:05	0.032	0.008	0.025	3.6	0.68
03:10	0.035	0.008	0.028	4.0	0.70
03:15	0.035	0.008	0.028	4.0	0.73
03:20	0.035	0.008	0.028	4.1	0.76
03:25	0.038	0.008	0.031	4.5	0.79
03:30	0.042	0.008	0.034	4.9	0.82
03:35	0.045	0.008	0.037	5.4	0.86
03:40	0.045	0.008	0.037	5.5	0.90
03:45	0.048	0.008	0.041	5.9	0.94
03:50	0.048	0.008	0.041	5.9	0.98
03:55	0.051	0.008	0.044	6.3	1.02
04:00	0.051	0.008	0.044	6.4	1.07
04:05	0.054	0.008	0.047	6.8	1.11
04:10	0.058	0.008	0.050	7.3	1.16
04:15	0.061	0.008	0.053	7.7	1.22
04:20	0.064	0.008	0.057	8.2	1.27
04:25	0.067	0.008	0.060	8.7	1.33
04:30	0.067	0.008	0.060	8.7	1.39
04:35	0.070	0.008	0.063	9.2	1.46
04:40	0.074	0.008	0.066	9.6	1.52
04:45	0.077	0.008	0.069	10.1	1.59
04:50	0.077	0.008	0.069	10.2	1.66
04:55	0.080	0.008	0.073	10.6	1.73
05:00	0.083	0.008	0.076	11.0	1.81
05:05	0.099	0.008	0.092	13.0	1.90
05:10	0.115	0.008	0.108	15.3	2.01
05:15	0.125	0.008	0.117	16.8	2.12
05:20	0.134	0.008	0.127	18.3	2.25
05:25	0.150	0.008	0.143	20.5	2.39

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	24.3	2.56
05:35	0.061	0.008	0.053	10.6	2.63
05:40	0.029	0.008	0.021	5.1	2.66
05:45	0.019	0.008	0.012	2.5	2.68
05:50	0.016	0.008	0.009	1.5	2.69
05:55	0.010	0.005	0.005	0.9	2.70
06:00	0.006	0.003	0.003	0.6	2.70
06:05	0.000	0.000	0.000	0.1	2.70
06:10	0.000	0.000	0.000	0.0	2.70
06:15	0.000	0.000	0.000	0.0	2.70
06:20	0.000	0.000	0.000	0.0	2.70
06:25	0.000	0.000	0.000	0.0	2.70
06:30	0.000	0.000	0.000	0.0	2.70
06:35	0.000	0.000	0.000	0.0	2.70
06:40	0.000	0.000	0.000	0.0	2.70
06:45	0.000	0.000	0.000	0.0	2.70
06:50	0.000	0.000	0.000	0.0	2.70
06:55	0.000	0.000	0.000	0.0	2.70
07:00	0.000	0.000	0.000	0.0	2.70
07:05	0.000	0.000	0.000	0.0	2.70
07:10	0.000	0.000	0.000	0.0	2.70
07:15	0.000	0.000	0.000	0.0	2.70
07:20	0.000	0.000	0.000	0.0	2.70
07:25	0.000	0.000	0.000	0.0	2.70
07:30	0.000	0.000	0.000	0.0	2.70
07:35	0.000	0.000	0.000	0.0	2.70
07:40	0.000	0.000	0.000	0.0	2.70
07:45	0.000	0.000	0.000	0.0	2.70
07:50	0.000	0.000	0.000	0.0	2.70
07:55	0.000	0.000	0.000	0.0	2.70
08:00	0.000	0.000	0.000	0.0	2.70
08:05	0.000	0.000	0.000	0.0	2.70
08:10	0.000	0.000	0.000	0.0	2.70
08:15	0.000	0.000	0.000	0.0	2.70
08:20	0.000	0.000	0.000	0.0	2.70
08:25	0.000	0.000	0.000	0.0	2.70
08:30	0.000	0.000	0.000	0.0	2.70
08:35	0.000	0.000	0.000	0.0	2.70
08:40	0.000	0.000	0.000	0.0	2.70
08:45	0.000	0.000	0.000	0.0	2.70
08:50	0.000	0.000	0.000	0.0	2.70
08:55	0.000	0.000	0.000	0.0	2.70
09:00	0.000	0.000	0.000	0.0	2.70
09:05	0.000	0.000	0.000	0.0	2.70
09:10	0.000	0.000	0.000	0.0	2.70
09:15	0.000	0.000	0.000	0.0	2.70
09:20	0.000	0.000	0.000	0.0	2.70
09:25	0.000	0.000	0.000	0.0	2.70
09:30	0.000	0.000	0.000	0.0	2.70
09:35	0.000	0.000	0.000	0.0	2.70
09:40	0.000	0.000	0.000	0.0	2.70
09:45	0.000	0.000	0.000	0.0	2.70
09:50	0.000	0.000	0.000	0.0	2.70
09:55	0.000	0.000	0.000	0.0	2.70
10:00	0.000	0.000	0.000	0.0	2.70
10:05	0.000	0.000	0.000	0.0	2.70
10:10	0.000	0.000	0.000	0.0	2.70
10:15	0.000	0.000	0.000	0.0	2.70
10:20	0.000	0.000	0.000	0.0	2.70
10:25	0.000	0.000	0.000	0.0	2.70
10:30	0.000	0.000	0.000	0.0	2.70
10:35	0.000	0.000	0.000	0.0	2.70

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.4	1.0	0.00	0.01
00:10	0.03	0.4	1.6	0.01	0.02
00:15	0.05	0.4	1.7	0.02	0.03
00:20	0.07	0.4	1.7	0.04	0.04
00:25	0.10	0.5	1.7	0.05	0.05
00:30	0.13	0.5	2.1	0.06	0.07
00:35	0.16	0.5	2.2	0.07	0.08
00:40	0.19	0.5	2.2	0.09	0.10
00:45	0.22	0.5	2.2	0.11	0.11
00:50	0.26	0.5	2.2	0.12	0.13
00:55	0.29	0.5	2.2	0.14	0.14
01:00	0.32	0.5	2.6	0.15	0.16
01:05	0.36	0.5	2.6	0.17	0.18
01:10	0.40	0.5	2.7	0.19	0.20
01:15	0.44	0.5	2.7	0.21	0.22
01:20	0.48	0.5	2.7	0.22	0.23
01:25	0.52	0.5	2.7	0.24	0.25
01:30	0.55	0.5	2.7	0.26	0.27
01:35	0.59	0.5	2.7	0.28	0.29
01:40	0.63	0.5	2.7	0.30	0.31
01:45	0.67	0.5	2.7	0.32	0.33
01:50	0.71	0.5	2.7	0.33	0.34
01:55	0.75	0.5	2.7	0.35	0.36
02:00	0.79	0.5	3.1	0.37	0.38
02:05	0.83	0.5	2.7	0.39	0.40
02:10	0.88	0.5	3.1	0.41	0.42
02:15	0.92	0.5	3.1	0.43	0.44
02:20	0.97	0.5	3.1	0.46	0.47
02:25	1.01	0.5	3.1	0.48	0.49
02:30	1.05	0.5	3.1	0.50	0.51
02:35	1.09	0.5	3.1	0.52	0.53
02:40	1.13	0.5	3.1	0.54	0.55
02:45	1.18	0.5	3.5	0.56	0.58
02:50	1.22	0.5	3.6	0.59	0.60
02:55	1.27	0.5	3.6	0.61	0.63
03:00	1.32	0.5	3.6	0.64	0.65
03:05	1.37	0.5	3.6	0.66	0.68
03:10	1.42	0.5	4.0	0.69	0.70
03:15	1.47	0.5	4.0	0.72	0.73
03:20	1.52	0.5	4.1	0.74	0.76
03:25	1.58	0.5	4.5	0.77	0.79
03:30	1.64	0.5	4.9	0.81	0.82
03:35	1.71	0.5	5.4	0.84	0.86
03:40	1.78	0.5	5.5	0.88	0.90
03:45	1.85	0.5	5.9	0.92	0.94
03:50	1.93	0.5	5.9	0.96	0.98
03:55	2.01	0.6	6.3	1.00	1.02
04:00	2.08	0.6	6.4	1.04	1.07
04:05	2.16	0.6	6.8	1.09	1.11
04:10	2.25	0.6	7.3	1.14	1.16
04:15	2.33	0.6	7.7	1.19	1.22
04:20	2.43	0.6	8.2	1.25	1.27
04:25	2.53	0.6	8.7	1.30	1.33
04:30	2.63	0.6	8.7	1.36	1.39
04:35	2.74	0.6	9.2	1.42	1.46
04:40	2.85	0.6	9.6	1.49	1.52
04:45	2.96	0.6	10.1	1.56	1.59
04:50	3.07	0.6	10.2	1.63	1.66
04:55	3.18	0.6	10.6	1.69	1.73
05:00	3.27	0.6	11.0	1.75	1.81
05:05	3.36	0.6	13.0	1.81	1.90
05:10	3.45	0.6	15.3	1.87	2.01
05:15	3.54	0.6	16.8	1.93	2.12
05:20	3.63	0.7	18.3	1.98	2.25
05:25	3.71	0.7	20.5	2.04	2.39

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.80	0.7	24.3	2.09	2.56
05:35	3.83	0.7	10.6	2.11	2.63
05:40	3.75	0.7	5.1	2.06	2.66
05:45	3.66	0.7	2.5	2.00	2.68
05:50	3.57	0.6	1.5	1.95	2.69
05:55	3.50	0.6	0.9	1.90	2.70
06:00	3.43	0.6	0.6	1.86	2.70
06:05	3.38	0.6	0.1	1.82	2.70
06:10	3.33	0.6	0.0	1.79	2.70
06:15	3.29	0.6	0.0	1.77	2.70
06:20	3.26	0.6	0.0	1.75	2.70
06:25	3.23	0.6	0.0	1.73	2.70
06:30	3.21	0.6	0.0	1.71	2.70
06:35	3.19	0.6	0.0	1.70	2.70
06:40	3.17	0.6	0.0	1.69	2.70
06:45	3.16	0.6	0.0	1.68	2.70
06:50	3.14	0.6	0.0	1.67	2.70
06:55	3.13	0.6	0.0	1.66	2.70
07:00	3.12	0.6	0.0	1.66	2.70
07:05	3.11	0.6	0.0	1.65	2.70
07:10	3.10	0.6	0.0	1.65	2.70
07:15	3.10	0.6	0.0	1.64	2.70
07:20	3.09	0.6	0.0	1.64	2.70
07:25	3.09	0.6	0.0	1.63	2.70
07:30	3.08	0.6	0.0	1.63	2.70
07:35	3.08	0.6	0.0	1.63	2.70
07:40	3.07	0.6	0.0	1.62	2.70
07:45	3.07	0.6	0.0	1.62	2.70
07:50	3.06	0.6	0.0	1.62	2.70
07:55	3.06	0.6	0.0	1.62	2.70
08:00	3.06	0.6	0.0	1.61	2.70
08:05	3.05	0.6	0.0	1.61	2.70
08:10	3.05	0.6	0.0	1.61	2.70
08:15	3.05	0.6	0.0	1.61	2.70
08:20	3.05	0.6	0.0	1.61	2.70
08:25	3.04	0.6	0.0	1.61	2.70
08:30	3.04	0.6	0.0	1.61	2.70
08:35	3.04	0.6	0.0	1.60	2.70
08:40	3.04	0.6	0.0	1.60	2.70
08:45	3.04	0.6	0.0	1.60	2.70
08:50	3.04	0.6	0.0	1.60	2.70
08:55	3.03	0.6	0.0	1.60	2.70
09:00	3.03	0.6	0.0	1.60	2.70
09:05	3.03	0.6	0.0	1.60	2.70
09:10	3.03	0.6	0.0	1.60	2.70
09:15	3.03	0.6	0.0	1.60	2.70
09:20	3.03	0.6	0.0	1.60	2.70
09:25	3.03	0.6	0.0	1.60	2.70
09:30	3.03	0.6	0.0	1.59	2.70
09:35	3.02	0.6	0.0	1.59	2.70
09:40	3.02	0.6	0.0	1.59	2.70
09:45	3.02	0.6	0.0	1.59	2.70
09:50	3.02	0.6	0.0	1.59	2.70
09:55	3.02	0.6	0.0	1.59	2.70
10:00	3.02	0.6	0.0	1.59	2.70
10:05	3.02	0.6	0.0	1.59	2.70
10:10	3.02	0.6	0.0	1.59	2.70
10:15	3.02	0.6	0.0	1.59	2.70
10:20	3.02	0.6	0.0	1.59	2.70
10:25	3.02	0.6	0.0	1.59	2.70
10:30	3.02	0.6	0.0	1.59	2.70
10:35	3.02	0.6	0.0	1.59	2.70

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.027	0.002	0.1	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.027	0.002	0.1	0.00
02:15	0.029	0.027	0.002	0.1	0.00
02:20	0.029	0.027	0.002	0.1	0.00
02:25	0.029	0.027	0.002	0.1	0.00
02:30	0.029	0.027	0.002	0.1	0.00
02:35	0.029	0.027	0.002	0.1	0.00
02:40	0.029	0.027	0.002	0.1	0.00
02:45	0.032	0.027	0.005	0.2	0.01
02:50	0.032	0.027	0.005	0.2	0.01
02:55	0.032	0.027	0.005	0.2	0.01
03:00	0.032	0.027	0.005	0.2	0.01
03:05	0.032	0.027	0.005	0.2	0.01
03:10	0.035	0.027	0.009	0.3	0.02
03:15	0.035	0.027	0.009	0.4	0.02
03:20	0.035	0.027	0.009	0.4	0.02
03:25	0.038	0.027	0.012	0.5	0.02
03:30	0.042	0.027	0.015	0.6	0.03
03:35	0.045	0.027	0.018	0.7	0.03
03:40	0.045	0.027	0.018	0.8	0.04
03:45	0.048	0.027	0.021	0.9	0.04
03:50	0.048	0.027	0.021	1.0	0.05
03:55	0.051	0.027	0.025	1.1	0.06
04:00	0.051	0.027	0.025	1.1	0.07
04:05	0.054	0.027	0.028	1.2	0.07
04:10	0.058	0.027	0.031	1.3	0.08
04:15	0.061	0.027	0.034	1.5	0.09
04:20	0.064	0.027	0.037	1.6	0.11
04:25	0.067	0.027	0.041	1.8	0.12
04:30	0.067	0.027	0.041	1.8	0.13
04:35	0.070	0.027	0.044	1.9	0.14
04:40	0.074	0.027	0.047	2.1	0.16
04:45	0.077	0.027	0.050	2.2	0.17
04:50	0.077	0.027	0.050	2.3	0.19
04:55	0.080	0.027	0.053	2.4	0.21
05:00	0.083	0.027	0.057	2.5	0.22
05:05	0.099	0.027	0.073	3.1	0.24
05:10	0.115	0.027	0.089	3.7	0.27
05:15	0.125	0.027	0.098	4.2	0.30
05:20	0.134	0.027	0.108	4.7	0.33
05:25	0.150	0.027	0.124	5.3	0.37

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.027	0.153	6.4	0.41
05:35	0.061	0.027	0.034	3.3	0.43
05:40	0.029	0.027	0.002	1.4	0.44
05:45	0.019	0.019	0.000	0.7	0.45
05:50	0.016	0.016	0.000	0.4	0.45
05:55	0.010	0.010	0.000	0.3	0.45
06:00	0.006	0.006	0.000	0.1	0.45
06:05	0.000	0.000	0.000	0.0	0.45
06:10	0.000	0.000	0.000	0.0	0.45
06:15	0.000	0.000	0.000	0.0	0.45
06:20	0.000	0.000	0.000	0.0	0.45
06:25	0.000	0.000	0.000	0.0	0.45
06:30	0.000	0.000	0.000	0.0	0.45
06:35	0.000	0.000	0.000	0.0	0.45
06:40	0.000	0.000	0.000	0.0	0.45
06:45	0.000	0.000	0.000	0.0	0.45
06:50	0.000	0.000	0.000	0.0	0.45
06:55	0.000	0.000	0.000	0.0	0.45
07:00	0.000	0.000	0.000	0.0	0.45
07:05	0.000	0.000	0.000	0.0	0.45
07:10	0.000	0.000	0.000	0.0	0.45
07:15	0.000	0.000	0.000	0.0	0.45
07:20	0.000	0.000	0.000	0.0	0.45
07:25	0.000	0.000	0.000	0.0	0.45
07:30	0.000	0.000	0.000	0.0	0.45
07:35	0.000	0.000	0.000	0.0	0.45
07:40	0.000	0.000	0.000	0.0	0.45
07:45	0.000	0.000	0.000	0.0	0.45
07:50	0.000	0.000	0.000	0.0	0.45
07:55	0.000	0.000	0.000	0.0	0.45
08:00	0.000	0.000	0.000	0.0	0.45
08:05	0.000	0.000	0.000	0.0	0.45
08:10	0.000	0.000	0.000	0.0	0.45
08:15	0.000	0.000	0.000	0.0	0.45
08:20	0.000	0.000	0.000	0.0	0.45
08:25	0.000	0.000	0.000	0.0	0.45
08:30	0.000	0.000	0.000	0.0	0.45
08:35	0.000	0.000	0.000	0.0	0.45
08:40	0.000	0.000	0.000	0.0	0.45
08:45	0.000	0.000	0.000	0.0	0.45
08:50	0.000	0.000	0.000	0.0	0.45
08:55	0.000	0.000	0.000	0.0	0.45
09:00	0.000	0.000	0.000	0.0	0.45
09:05	0.000	0.000	0.000	0.0	0.45
09:10	0.000	0.000	0.000	0.0	0.45
09:15	0.000	0.000	0.000	0.0	0.45
09:20	0.000	0.000	0.000	0.0	0.45
09:25	0.000	0.000	0.000	0.0	0.45
09:30	0.000	0.000	0.000	0.0	0.45
09:35	0.000	0.000	0.000	0.0	0.45
09:40	0.000	0.000	0.000	0.0	0.45
09:45	0.000	0.000	0.000	0.0	0.45
09:50	0.000	0.000	0.000	0.0	0.45
09:55	0.000	0.000	0.000	0.0	0.45
10:00	0.000	0.000	0.000	0.0	0.45
10:05	0.000	0.000	0.000	0.0	0.45
10:10	0.000	0.000	0.000	0.0	0.45
10:15	0.000	0.000	0.000	0.0	0.45
10:20	0.000	0.000	0.000	0.0	0.45
10:25	0.000	0.000	0.000	0.0	0.45
10:30	0.000	0.000	0.000	0.0	0.45
10:35	0.000	0.000	0.000	0.0	0.45

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.1	0.0	0.00	0.00
00:10	0.00	0.1	0.0	0.00	0.00
00:15	0.00	0.1	0.0	0.00	0.00
00:20	0.00	0.1	0.0	0.00	0.00
00:25	0.00	0.1	0.0	0.00	0.00
00:30	0.00	0.1	0.0	0.00	0.00
00:35	0.00	0.1	0.0	0.00	0.00
00:40	0.00	0.1	0.0	0.00	0.00
00:45	0.00	0.1	0.0	0.00	0.00
00:50	0.00	0.1	0.0	0.00	0.00
00:55	0.00	0.1	0.0	0.00	0.00
01:00	0.00	0.1	0.0	0.00	0.00
01:05	0.00	0.1	0.0	0.00	0.00
01:10	0.00	0.1	0.0	0.00	0.00
01:15	0.00	0.1	0.0	0.00	0.00
01:20	0.00	0.1	0.0	0.00	0.00
01:25	0.00	0.1	0.0	0.00	0.00
01:30	0.00	0.1	0.0	0.00	0.00
01:35	0.00	0.1	0.0	0.00	0.00
01:40	0.00	0.1	0.0	0.00	0.00
01:45	0.00	0.1	0.0	0.00	0.00
01:50	0.00	0.1	0.0	0.00	0.00
01:55	0.00	0.1	0.0	0.00	0.00
02:00	0.00	0.1	0.1	0.00	0.00
02:05	0.01	0.1	0.0	0.00	0.00
02:10	0.01	0.1	0.1	0.00	0.00
02:15	0.01	0.1	0.1	0.00	0.00
02:20	0.02	0.1	0.1	0.00	0.00
02:25	0.03	0.1	0.1	0.00	0.00
02:30	0.03	0.1	0.1	0.00	0.00
02:35	0.04	0.1	0.1	0.00	0.00
02:40	0.05	0.1	0.1	0.00	0.00
02:45	0.06	0.1	0.2	0.01	0.01
02:50	0.07	0.1	0.2	0.01	0.01
02:55	0.09	0.1	0.2	0.01	0.01
03:00	0.10	0.1	0.2	0.01	0.01
03:05	0.12	0.1	0.2	0.01	0.01
03:10	0.14	0.1	0.3	0.01	0.02
03:15	0.16	0.1	0.4	0.02	0.02
03:20	0.19	0.1	0.4	0.02	0.02
03:25	0.22	0.1	0.5	0.02	0.02
03:30	0.26	0.1	0.6	0.03	0.03
03:35	0.30	0.1	0.7	0.03	0.03
03:40	0.35	0.1	0.8	0.04	0.04
03:45	0.41	0.1	0.9	0.04	0.04
03:50	0.48	0.1	1.0	0.05	0.05
03:55	0.55	0.1	1.1	0.05	0.06
04:00	0.62	0.1	1.1	0.06	0.07
04:05	0.70	0.1	1.2	0.07	0.07
04:10	0.79	0.1	1.3	0.08	0.08
04:15	0.88	0.1	1.5	0.09	0.09
04:20	0.99	0.1	1.6	0.10	0.11
04:25	1.08	0.1	1.8	0.11	0.12
04:30	1.18	0.1	1.8	0.12	0.13
04:35	1.29	0.1	1.9	0.14	0.14
04:40	1.40	0.1	2.1	0.15	0.16
04:45	1.51	0.1	2.2	0.17	0.17
04:50	1.64	0.1	2.3	0.18	0.19
04:55	1.76	0.1	2.4	0.20	0.21
05:00	1.90	0.1	2.5	0.21	0.22
05:05	2.04	0.1	3.1	0.23	0.24
05:10	2.19	0.1	3.7	0.26	0.27
05:15	2.36	0.2	4.2	0.28	0.30
05:20	2.56	0.2	4.7	0.31	0.33
05:25	2.78	0.2	5.3	0.35	0.37

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.03	0.2	6.4	0.39	0.41
05:35	3.21	0.2	3.3	0.42	0.43
05:40	3.28	0.2	1.4	0.43	0.44
05:45	3.30	0.2	0.7	0.44	0.45
05:50	3.30	0.2	0.4	0.44	0.45
05:55	3.30	0.2	0.3	0.44	0.45
06:00	3.29	0.2	0.1	0.44	0.45
06:05	3.27	0.2	0.0	0.43	0.45
06:10	3.26	0.2	0.0	0.43	0.45
06:15	3.24	0.2	0.0	0.43	0.45
06:20	3.23	0.2	0.0	0.43	0.45
06:25	3.22	0.2	0.0	0.42	0.45
06:30	3.21	0.2	0.0	0.42	0.45
06:35	3.20	0.2	0.0	0.42	0.45
06:40	3.19	0.2	0.0	0.42	0.45
06:45	3.18	0.2	0.0	0.42	0.45
06:50	3.17	0.2	0.0	0.41	0.45
06:55	3.16	0.2	0.0	0.41	0.45
07:00	3.16	0.2	0.0	0.41	0.45
07:05	3.15	0.2	0.0	0.41	0.45
07:10	3.14	0.2	0.0	0.41	0.45
07:15	3.14	0.2	0.0	0.41	0.45
07:20	3.13	0.2	0.0	0.41	0.45
07:25	3.13	0.2	0.0	0.41	0.45
07:30	3.12	0.2	0.0	0.41	0.45
07:35	3.12	0.2	0.0	0.40	0.45
07:40	3.11	0.2	0.0	0.40	0.45
07:45	3.11	0.2	0.0	0.40	0.45
07:50	3.11	0.2	0.0	0.40	0.45
07:55	3.10	0.2	0.0	0.40	0.45
08:00	3.10	0.2	0.0	0.40	0.45
08:05	3.09	0.2	0.0	0.40	0.45
08:10	3.09	0.2	0.0	0.40	0.45
08:15	3.09	0.2	0.0	0.40	0.45
08:20	3.09	0.2	0.0	0.40	0.45
08:25	3.08	0.2	0.0	0.40	0.45
08:30	3.08	0.2	0.0	0.40	0.45
08:35	3.08	0.2	0.0	0.40	0.45
08:40	3.08	0.2	0.0	0.40	0.45
08:45	3.07	0.2	0.0	0.40	0.45
08:50	3.07	0.2	0.0	0.40	0.45
08:55	3.07	0.2	0.0	0.40	0.45
09:00	3.07	0.2	0.0	0.40	0.45
09:05	3.07	0.2	0.0	0.39	0.45
09:10	3.06	0.2	0.0	0.39	0.45
09:15	3.06	0.2	0.0	0.39	0.45
09:20	3.06	0.2	0.0	0.39	0.45
09:25	3.06	0.2	0.0	0.39	0.45
09:30	3.06	0.2	0.0	0.39	0.45
09:35	3.06	0.2	0.0	0.39	0.45
09:40	3.05	0.2	0.0	0.39	0.45
09:45	3.05	0.2	0.0	0.39	0.45
09:50	3.05	0.2	0.0	0.39	0.45
09:55	3.05	0.2	0.0	0.39	0.45
10:00	3.05	0.2	0.0	0.39	0.45
10:05	3.05	0.2	0.0	0.39	0.45
10:10	3.05	0.2	0.0	0.39	0.45
10:15	3.05	0.2	0.0	0.39	0.45
10:20	3.04	0.2	0.0	0.39	0.45
10:25	3.04	0.2	0.0	0.39	0.45
10:30	3.04	0.2	0.0	0.39	0.45
10:35	3.04	0.2	0.0	0.39	0.45

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.031	0.001	0.0	0.00
02:50	0.032	0.031	0.001	0.0	0.00
02:55	0.032	0.031	0.001	0.0	0.00
03:00	0.032	0.031	0.001	0.0	0.00
03:05	0.032	0.031	0.001	0.0	0.00
03:10	0.035	0.031	0.004	0.1	0.00
03:15	0.035	0.031	0.004	0.1	0.00
03:20	0.035	0.031	0.004	0.1	0.00
03:25	0.038	0.031	0.008	0.1	0.00
03:30	0.042	0.031	0.011	0.2	0.00
03:35	0.045	0.031	0.014	0.3	0.01
03:40	0.045	0.031	0.014	0.3	0.01
03:45	0.048	0.031	0.017	0.3	0.01
03:50	0.048	0.031	0.017	0.4	0.01
03:55	0.051	0.031	0.020	0.4	0.02
04:00	0.051	0.031	0.020	0.4	0.02
04:05	0.054	0.031	0.024	0.5	0.02
04:10	0.058	0.031	0.027	0.6	0.03
04:15	0.061	0.031	0.030	0.6	0.03
04:20	0.064	0.031	0.033	0.7	0.04
04:25	0.067	0.031	0.036	0.8	0.04
04:30	0.067	0.031	0.036	0.8	0.05
04:35	0.070	0.031	0.040	0.9	0.05
04:40	0.074	0.031	0.043	0.9	0.06
04:45	0.077	0.031	0.046	1.0	0.07
04:50	0.077	0.031	0.046	1.0	0.07
04:55	0.080	0.031	0.049	1.1	0.08
05:00	0.083	0.031	0.052	1.2	0.09
05:05	0.099	0.031	0.068	1.4	0.10
05:10	0.115	0.031	0.084	1.7	0.11
05:15	0.125	0.031	0.094	2.0	0.12
05:20	0.134	0.031	0.104	2.2	0.14
05:25	0.150	0.031	0.120	2.5	0.16

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.031	0.148	3.0	0.18
05:35	0.061	0.031	0.030	1.7	0.19
05:40	0.029	0.029	0.000	0.7	0.19
05:45	0.019	0.019	0.000	0.4	0.20
05:50	0.016	0.016	0.000	0.2	0.20
05:55	0.010	0.010	0.000	0.2	0.20
06:00	0.006	0.006	0.000	0.1	0.20
06:05	0.000	0.000	0.000	0.0	0.20
06:10	0.000	0.000	0.000	0.0	0.20
06:15	0.000	0.000	0.000	0.0	0.20
06:20	0.000	0.000	0.000	0.0	0.20
06:25	0.000	0.000	0.000	0.0	0.20
06:30	0.000	0.000	0.000	0.0	0.20
06:35	0.000	0.000	0.000	0.0	0.20
06:40	0.000	0.000	0.000	0.0	0.20
06:45	0.000	0.000	0.000	0.0	0.20
06:50	0.000	0.000	0.000	0.0	0.20
06:55	0.000	0.000	0.000	0.0	0.20
07:00	0.000	0.000	0.000	0.0	0.20
07:05	0.000	0.000	0.000	0.0	0.20
07:10	0.000	0.000	0.000	0.0	0.20
07:15	0.000	0.000	0.000	0.0	0.20
07:20	0.000	0.000	0.000	0.0	0.20
07:25	0.000	0.000	0.000	0.0	0.20
07:30	0.000	0.000	0.000	0.0	0.20
07:35	0.000	0.000	0.000	0.0	0.20
07:40	0.000	0.000	0.000	0.0	0.20
07:45	0.000	0.000	0.000	0.0	0.20
07:50	0.000	0.000	0.000	0.0	0.20
07:55	0.000	0.000	0.000	0.0	0.20
08:00	0.000	0.000	0.000	0.0	0.20
08:05	0.000	0.000	0.000	0.0	0.20
08:10	0.000	0.000	0.000	0.0	0.20
08:15	0.000	0.000	0.000	0.0	0.20
08:20	0.000	0.000	0.000	0.0	0.20
08:25	0.000	0.000	0.000	0.0	0.20
08:30	0.000	0.000	0.000	0.0	0.20
08:35	0.000	0.000	0.000	0.0	0.20
08:40	0.000	0.000	0.000	0.0	0.20
08:45	0.000	0.000	0.000	0.0	0.20
08:50	0.000	0.000	0.000	0.0	0.20
08:55	0.000	0.000	0.000	0.0	0.20
09:00	0.000	0.000	0.000	0.0	0.20
09:05	0.000	0.000	0.000	0.0	0.20
09:10	0.000	0.000	0.000	0.0	0.20
09:15	0.000	0.000	0.000	0.0	0.20
09:20	0.000	0.000	0.000	0.0	0.20
09:25	0.000	0.000	0.000	0.0	0.20
09:30	0.000	0.000	0.000	0.0	0.20
09:35	0.000	0.000	0.000	0.0	0.20
09:40	0.000	0.000	0.000	0.0	0.20
09:45	0.000	0.000	0.000	0.0	0.20
09:50	0.000	0.000	0.000	0.0	0.20
09:55	0.000	0.000	0.000	0.0	0.20
10:00	0.000	0.000	0.000	0.0	0.20
10:05	0.000	0.000	0.000	0.0	0.20
10:10	0.000	0.000	0.000	0.0	0.20
10:15	0.000	0.000	0.000	0.0	0.20
10:20	0.000	0.000	0.000	0.0	0.20
10:25	0.000	0.000	0.000	0.0	0.20
10:30	0.000	0.000	0.000	0.0	0.20
10:35	0.000	0.000	0.000	0.0	0.20

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.0	0.0	0.00	0.00
00:10	0.00	0.0	0.0	0.00	0.00
00:15	0.00	0.0	0.0	0.00	0.00
00:20	0.00	0.0	0.0	0.00	0.00
00:25	0.00	0.0	0.0	0.00	0.00
00:30	0.00	0.0	0.0	0.00	0.00
00:35	0.00	0.0	0.0	0.00	0.00
00:40	0.00	0.0	0.0	0.00	0.00
00:45	0.00	0.0	0.0	0.00	0.00
00:50	0.00	0.0	0.0	0.00	0.00
00:55	0.00	0.0	0.0	0.00	0.00
01:00	0.00	0.0	0.0	0.00	0.00
01:05	0.00	0.0	0.0	0.00	0.00
01:10	0.00	0.0	0.0	0.00	0.00
01:15	0.00	0.0	0.0	0.00	0.00
01:20	0.00	0.0	0.0	0.00	0.00
01:25	0.00	0.0	0.0	0.00	0.00
01:30	0.00	0.0	0.0	0.00	0.00
01:35	0.00	0.0	0.0	0.00	0.00
01:40	0.00	0.0	0.0	0.00	0.00
01:45	0.00	0.0	0.0	0.00	0.00
01:50	0.00	0.0	0.0	0.00	0.00
01:55	0.00	0.0	0.0	0.00	0.00
02:00	0.00	0.0	0.0	0.00	0.00
02:05	0.00	0.0	0.0	0.00	0.00
02:10	0.00	0.0	0.0	0.00	0.00
02:15	0.00	0.0	0.0	0.00	0.00
02:20	0.00	0.0	0.0	0.00	0.00
02:25	0.00	0.0	0.0	0.00	0.00
02:30	0.00	0.0	0.0	0.00	0.00
02:35	0.00	0.0	0.0	0.00	0.00
02:40	0.00	0.0	0.0	0.00	0.00
02:45	0.00	0.0	0.0	0.00	0.00
02:50	0.00	0.0	0.0	0.00	0.00
02:55	0.01	0.0	0.0	0.00	0.00
03:00	0.01	0.0	0.0	0.00	0.00
03:05	0.02	0.0	0.0	0.00	0.00
03:10	0.02	0.0	0.1	0.00	0.00
03:15	0.03	0.0	0.1	0.00	0.00
03:20	0.05	0.0	0.1	0.00	0.00
03:25	0.07	0.0	0.1	0.00	0.00
03:30	0.09	0.0	0.2	0.00	0.00
03:35	0.13	0.0	0.3	0.01	0.01
03:40	0.17	0.0	0.3	0.01	0.01
03:45	0.22	0.0	0.3	0.01	0.01
03:50	0.28	0.0	0.4	0.01	0.01
03:55	0.34	0.0	0.4	0.02	0.02
04:00	0.41	0.0	0.4	0.02	0.02
04:05	0.48	0.0	0.5	0.02	0.02
04:10	0.56	0.0	0.6	0.02	0.03
04:15	0.66	0.0	0.6	0.03	0.03
04:20	0.76	0.0	0.7	0.03	0.04
04:25	0.88	0.1	0.8	0.04	0.04
04:30	1.00	0.1	0.8	0.04	0.05
04:35	1.09	0.1	0.9	0.05	0.05
04:40	1.19	0.1	0.9	0.06	0.06
04:45	1.30	0.1	1.0	0.06	0.07
04:50	1.41	0.1	1.0	0.07	0.07
04:55	1.53	0.1	1.1	0.08	0.08
05:00	1.66	0.1	1.2	0.08	0.09
05:05	1.80	0.1	1.4	0.09	0.10
05:10	1.97	0.1	1.7	0.10	0.11
05:15	2.13	0.1	2.0	0.12	0.12
05:20	2.30	0.1	2.2	0.13	0.14
05:25	2.50	0.1	2.5	0.15	0.16

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	2.73	0.1	3.0	0.17	0.18
05:35	2.93	0.1	1.7	0.18	0.19
05:40	3.02	0.1	0.7	0.19	0.19
05:45	3.06	0.1	0.4	0.19	0.20
05:50	3.07	0.1	0.2	0.20	0.20
05:55	3.08	0.1	0.2	0.20	0.20
06:00	3.09	0.1	0.1	0.20	0.20
06:05	3.09	0.1	0.0	0.20	0.20
06:10	3.09	0.1	0.0	0.20	0.20
06:15	3.08	0.1	0.0	0.20	0.20
06:20	3.08	0.1	0.0	0.20	0.20
06:25	3.07	0.1	0.0	0.20	0.20
06:30	3.07	0.1	0.0	0.20	0.20
06:35	3.07	0.1	0.0	0.20	0.20
06:40	3.06	0.1	0.0	0.19	0.20
06:45	3.06	0.1	0.0	0.19	0.20
06:50	3.06	0.1	0.0	0.19	0.20
06:55	3.05	0.1	0.0	0.19	0.20
07:00	3.05	0.1	0.0	0.19	0.20
07:05	3.05	0.1	0.0	0.19	0.20
07:10	3.05	0.1	0.0	0.19	0.20
07:15	3.05	0.1	0.0	0.19	0.20
07:20	3.04	0.1	0.0	0.19	0.20
07:25	3.04	0.1	0.0	0.19	0.20
07:30	3.04	0.1	0.0	0.19	0.20
07:35	3.04	0.1	0.0	0.19	0.20
07:40	3.04	0.1	0.0	0.19	0.20
07:45	3.04	0.1	0.0	0.19	0.20
07:50	3.03	0.1	0.0	0.19	0.20
07:55	3.03	0.1	0.0	0.19	0.20
08:00	3.03	0.1	0.0	0.19	0.20
08:05	3.03	0.1	0.0	0.19	0.20
08:10	3.03	0.1	0.0	0.19	0.20
08:15	3.03	0.1	0.0	0.19	0.20
08:20	3.03	0.1	0.0	0.19	0.20
08:25	3.03	0.1	0.0	0.19	0.20
08:30	3.03	0.1	0.0	0.19	0.20
08:35	3.03	0.1	0.0	0.19	0.20
08:40	3.02	0.1	0.0	0.19	0.20
08:45	3.02	0.1	0.0	0.19	0.20
08:50	3.02	0.1	0.0	0.19	0.20
08:55	3.02	0.1	0.0	0.19	0.20
09:00	3.02	0.1	0.0	0.19	0.20
09:05	3.02	0.1	0.0	0.19	0.20
09:10	3.02	0.1	0.0	0.19	0.20
09:15	3.02	0.1	0.0	0.19	0.20
09:20	3.02	0.1	0.0	0.19	0.20
09:25	3.02	0.1	0.0	0.19	0.20
09:30	3.02	0.1	0.0	0.19	0.20
09:35	3.02	0.1	0.0	0.19	0.20
09:40	3.02	0.1	0.0	0.19	0.20
09:45	3.02	0.1	0.0	0.19	0.20
09:50	3.02	0.1	0.0	0.19	0.20
09:55	3.02	0.1	0.0	0.19	0.20
10:00	3.02	0.1	0.0	0.19	0.20
10:05	3.02	0.1	0.0	0.19	0.20
10:10	3.02	0.1	0.0	0.19	0.20
10:15	3.01	0.1	0.0	0.19	0.20
10:20	3.01	0.1	0.0	0.19	0.20
10:25	3.01	0.1	0.0	0.19	0.20
10:30	3.01	0.1	0.0	0.19	0.20
10:35	3.01	0.1	0.0	0.19	0.20

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	0.0	0.0	0.00
00:10	0.0	0.0	0.00
00:15	0.0	0.0	0.00
00:20	0.0	0.0	0.00
00:25	0.0	0.0	0.00
00:30	0.0	0.0	0.00
00:35	0.0	0.0	0.00
00:40	0.0	0.0	0.00
00:45	1.0	1.0	0.01
00:50	69.0	69.0	0.48
00:55	76.0	76.0	1.01
01:00	78.0	78.0	1.54
01:05	85.0	85.0	2.13
01:10	103.0	103.0	2.84
01:15	137.0	137.0	3.78
01:20	259.0	259.0	5.56
01:25	377.0	377.0	8.16
01:30	412.0	412.0	11.00
01:35	430.0	430.0	13.96
01:40	456.0	456.0	17.10
01:45	488.0	488.0	20.46
01:50	520.0	520.0	24.04
01:55	544.0	544.0	27.79
02:00	567.0	567.0	31.69
02:05	583.0	583.0	35.71
02:10	599.0	599.0	39.83
02:15	616.0	616.0	44.08
02:20	635.0	635.0	48.45
02:25	655.0	655.0	52.96
02:30	679.0	679.0	57.64
02:35	705.0	705.0	62.49
02:40	731.0	731.0	67.53
02:45	763.0	763.0	72.78
02:50	795.0	795.0	78.26
02:55	826.0	826.0	83.95
03:00	859.0	859.0	89.86
03:05	895.0	895.0	96.03
03:10	943.0	943.0	102.52
03:15	993.0	993.0	109.36
03:20	1048.0	1048.0	116.58
03:25	1119.0	1119.0	124.28
03:30	1213.0	1213.0	132.64
03:35	1336.0	1336.0	141.84
03:40	1491.0	1491.0	152.11
03:45	1682.0	1682.0	163.69
03:50	1890.0	1890.0	176.71
03:55	2105.0	2105.0	191.21
04:00	2318.0	2318.0	207.17
04:05	2534.0	2534.0	224.62
04:10	2761.0	2761.0	243.64
04:15	3006.0	3006.0	264.34
04:20	3281.0	3281.0	286.94
04:25	3584.0	3584.0	311.62
04:30	3905.0	3905.0	338.51
04:35	4229.0	4229.0	367.64
04:40	4570.0	4570.0	399.11
04:45	4911.0	4911.0	432.93
04:50	5249.0	5249.0	469.08
04:55	5608.0	5608.0	507.71
05:00	5990.0	5990.0	548.96
05:05	6423.0	6423.0	593.20
05:10	6956.0	6956.0	641.10
05:15	7625.0	7625.0	693.62
05:20	8475.0	8475.0	751.98
05:25	9562.0	9562.0	817.84

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	10881.0	10881.0	892.78
05:35	11904.0	11904.0	974.76
05:40	12248.0	12248.0	1059.11
05:45	11922.0	11922.0	1141.22
05:50	10836.0	10836.0	1215.85
05:55	9411.0	9411.0	1280.66
06:00	8003.0	8003.0	1335.78
06:05	6857.0	6857.0	1383.00
06:10	5975.0	5975.0	1424.15
06:15	5250.0	5250.0	1460.31
06:20	4548.0	4548.0	1491.63
06:25	3882.0	3882.0	1518.37
06:30	3317.0	3317.0	1541.21
06:35	2861.0	2861.0	1560.92
06:40	2500.0	2500.0	1578.13
06:45	2205.0	2205.0	1593.32
06:50	1962.0	1962.0	1606.83
06:55	1766.0	1766.0	1618.99
07:00	1612.0	1612.0	1630.10
07:05	1481.0	1481.0	1640.30
07:10	1367.0	1367.0	1649.71
07:15	1257.0	1257.0	1658.37
07:20	1167.0	1167.0	1666.40
07:25	1088.0	1088.0	1673.90
07:30	1022.0	1022.0	1680.94
07:35	954.0	954.0	1687.51
07:40	888.0	888.0	1693.62
07:45	818.0	818.0	1699.26
07:50	750.0	750.0	1704.42
07:55	680.0	680.0	1709.10
08:00	612.0	612.0	1713.32
08:05	547.0	547.0	1717.09
08:10	493.0	493.0	1720.48
08:15	450.0	450.0	1723.58
08:20	417.0	417.0	1726.45
08:25	390.0	390.0	1729.14
08:30	369.0	369.0	1731.68
08:35	349.0	349.0	1734.08
08:40	332.0	332.0	1736.37
08:45	315.0	315.0	1738.54
08:50	300.0	300.0	1740.61
08:55	288.0	288.0	1742.59
09:00	280.0	280.0	1744.52
09:05	273.0	273.0	1746.40
09:10	267.0	267.0	1748.24
09:15	260.0	260.0	1750.03
09:20	254.0	254.0	1751.78
09:25	247.0	247.0	1753.48
09:30	242.0	242.0	1755.14
09:35	236.0	236.0	1756.77
09:40	230.0	230.0	1758.35
09:45	224.0	224.0	1759.90
09:50	218.0	218.0	1761.40
09:55	211.0	211.0	1762.85
10:00	203.0	203.0	1764.25
10:05	199.0	199.0	1765.62
10:10	189.0	189.0	1766.92
10:15	184.0	184.0	1768.19
10:20	175.0	175.0	1769.39
10:25	169.0	169.0	1770.56
10:30	159.0	159.0	1771.65
10:35	153.0	153.0	1772.71

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	0.0	0.00	0.00
00:10	0.0	0.00	0.00
00:15	0.0	0.00	0.00
00:20	0.0	0.00	0.00
00:25	0.0	0.00	0.00
00:30	0.0	0.00	0.00
00:35	0.0	0.00	0.00
00:40	0.0	0.00	0.00
00:45	1.0	0.00	0.01
00:50	69.0	0.47	0.48
00:55	76.0	3.69	1.01
01:00	78.0	3.79	1.54
01:05	85.0	3.87	2.13
01:10	103.0	4.07	2.84
01:15	137.0	4.47	3.78
01:20	259.0	5.48	5.56
01:25	377.0	6.53	8.16
01:30	412.0	6.99	11.00
01:35	430.0	7.14	13.96
01:40	456.0	7.28	17.10
01:45	488.0	7.46	20.46
01:50	520.0	7.64	24.04
01:55	544.0	7.78	27.79
02:00	567.0	7.91	31.69
02:05	583.0	8.00	35.71
02:10	599.0	8.08	39.83
02:15	616.0	8.17	44.08
02:20	635.0	8.26	48.45
02:25	655.0	8.35	52.96
02:30	679.0	8.46	57.64
02:35	705.0	8.57	62.49
02:40	731.0	8.69	67.53
02:45	763.0	8.83	72.78
02:50	795.0	8.96	78.26
02:55	826.0	9.09	83.95
03:00	859.0	9.23	89.86
03:05	895.0	9.37	96.03
03:10	943.0	9.54	102.52
03:15	993.0	9.72	109.36
03:20	1048.0	9.92	116.58
03:25	1119.0	10.15	124.28
03:30	1213.0	10.45	132.64
03:35	1336.0	10.82	141.84
03:40	1491.0	11.26	152.11
03:45	1682.0	11.76	163.69
03:50	1890.0	12.29	176.71
03:55	2105.0	12.80	191.21
04:00	2318.0	13.28	207.17
04:05	2534.0	13.73	224.62
04:10	2761.0	14.18	243.64
04:15	3006.0	14.63	264.34
04:20	3281.0	15.11	286.94
04:25	3584.0	15.61	311.62
04:30	3905.0	16.12	338.51
04:35	4229.0	16.61	367.64
04:40	4570.0	17.10	399.11
04:45	4911.0	17.56	432.93
04:50	5249.0	18.01	469.08
04:55	5608.0	18.45	507.71
05:00	5990.0	18.91	548.96
05:05	6423.0	19.40	593.20
05:10	6956.0	19.97	641.10
05:15	7625.0	20.65	693.62
05:20	8475.0	21.47	751.98
05:25	9562.0	22.44	817.84

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	10881.0	23.53	892.78
05:35	11904.0	24.36	974.76
05:40	12248.0	24.67	1059.11
05:45	11922.0	24.47	1141.22
05:50	10836.0	23.69	1215.85
05:55	9411.0	22.54	1280.66
06:00	8003.0	21.26	1335.78
06:05	6857.0	20.08	1383.00
06:10	5975.0	19.07	1424.15
06:15	5250.0	18.18	1460.31
06:20	4548.0	17.26	1491.63
06:25	3882.0	16.30	1518.37
06:30	3317.0	15.39	1541.21
06:35	2861.0	14.57	1560.92
06:40	2500.0	13.86	1578.13
06:45	2205.0	13.23	1593.32
06:50	1962.0	12.67	1606.83
06:55	1766.0	12.18	1618.99
07:00	1612.0	11.76	1630.10
07:05	1481.0	11.40	1640.30
07:10	1367.0	11.06	1649.71
07:15	1257.0	10.73	1658.37
07:20	1167.0	10.43	1666.40
07:25	1088.0	10.17	1673.90
07:30	1022.0	9.93	1680.94
07:35	954.0	9.69	1687.51
07:40	888.0	9.44	1693.62
07:45	818.0	9.17	1699.26
07:50	750.0	8.88	1704.42
07:55	680.0	8.58	1709.10
08:00	612.0	8.26	1713.32
08:05	547.0	7.94	1717.09
08:10	493.0	7.63	1720.48
08:15	450.0	7.38	1723.58
08:20	417.0	7.16	1726.45
08:25	390.0	6.98	1729.14
08:30	369.0	6.83	1731.68
08:35	349.0	6.69	1734.08
08:40	332.0	6.56	1736.37
08:45	315.0	6.44	1738.54
08:50	300.0	6.32	1740.61
08:55	288.0	6.22	1742.59
09:00	280.0	6.15	1744.52
09:05	273.0	6.09	1746.40
09:10	267.0	6.03	1748.24
09:15	260.0	5.98	1750.03
09:20	254.0	5.93	1751.78
09:25	247.0	5.87	1753.48
09:30	242.0	5.82	1755.14
09:35	236.0	5.77	1756.77
09:40	230.0	5.72	1758.35
09:45	224.0	5.66	1759.90
09:50	218.0	5.60	1761.40
09:55	211.0	5.54	1762.85
10:00	203.0	5.47	1764.25
10:05	199.0	5.41	1765.62
10:10	189.0	5.34	1766.92
10:15	184.0	5.27	1768.19
10:20	175.0	5.19	1769.39
10:25	169.0	5.11	1770.56
10:30	159.0	5.02	1771.65
10:35	153.0	4.93	1772.71

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.021	0.018	0.003	3.4	0.02
00:10	0.021	0.018	0.003	6.8	0.07
00:15	0.021	0.018	0.003	11.6	0.15
00:20	0.021	0.018	0.003	18.6	0.28
00:25	0.025	0.021	0.003	26.1	0.46
00:30	0.025	0.021	0.003	36.7	0.71
00:35	0.025	0.021	0.003	45.9	1.03
00:40	0.025	0.021	0.003	53.4	1.39
00:45	0.025	0.021	0.003	59.3	1.80
00:50	0.025	0.021	0.003	64.5	2.25
00:55	0.028	0.023	0.005	71.3	2.74
01:00	0.028	0.023	0.005	76.3	3.26
01:05	0.028	0.023	0.005	81.8	3.83
01:10	0.028	0.023	0.005	88.4	4.44
01:15	0.028	0.023	0.005	94.9	5.09
01:20	0.028	0.023	0.005	102.0	5.79
01:25	0.028	0.023	0.005	108.0	6.54
01:30	0.028	0.023	0.005	112.9	7.31
01:35	0.028	0.023	0.005	116.9	8.12
01:40	0.028	0.023	0.005	120.1	8.95
01:45	0.028	0.023	0.005	123.2	9.79
01:50	0.028	0.023	0.005	125.5	10.66
01:55	0.032	0.023	0.009	131.9	11.57
02:00	0.028	0.023	0.005	134.2	12.49
02:05	0.032	0.023	0.009	141.5	13.47
02:10	0.032	0.023	0.009	149.2	14.49
02:15	0.032	0.023	0.009	156.0	15.57
02:20	0.032	0.023	0.009	168.8	16.73
02:25	0.032	0.023	0.009	176.2	17.94
02:30	0.032	0.023	0.009	186.5	19.23
02:35	0.032	0.023	0.009	195.5	20.57
02:40	0.035	0.023	0.012	206.5	22.00
02:45	0.035	0.023	0.012	217.0	23.49
02:50	0.035	0.023	0.012	226.2	25.05
02:55	0.035	0.023	0.012	239.0	26.69
03:00	0.035	0.023	0.012	250.3	28.42
03:05	0.039	0.023	0.016	269.1	30.27
03:10	0.039	0.023	0.016	285.0	32.23
03:15	0.039	0.023	0.016	301.0	34.31
03:20	0.042	0.023	0.019	321.0	36.52
03:25	0.046	0.023	0.023	343.3	38.88
03:30	0.049	0.023	0.026	374.8	41.46
03:35	0.049	0.023	0.026	407.0	44.27
03:40	0.053	0.023	0.030	445.1	47.33
03:45	0.053	0.023	0.030	487.4	50.69
03:50	0.056	0.023	0.033	535.6	54.38
03:55	0.056	0.023	0.033	583.8	58.40
04:00	0.060	0.023	0.037	630.4	62.74
04:05	0.063	0.023	0.040	680.6	67.43
04:10	0.067	0.023	0.044	731.2	72.46
04:15	0.070	0.023	0.047	788.0	77.89
04:20	0.074	0.023	0.051	846.6	83.72
04:25	0.074	0.023	0.051	907.2	89.97
04:30	0.077	0.023	0.054	975.8	96.69
04:35	0.081	0.023	0.058	1046.1	103.89
04:40	0.084	0.023	0.061	1117.3	111.59
04:45	0.084	0.023	0.061	1185.6	119.75
04:50	0.088	0.023	0.065	1254.2	128.39
04:55	0.091	0.023	0.068	1324.4	137.51
05:00	0.109	0.023	0.086	1412.7	147.24
05:05	0.126	0.023	0.103	1519.7	157.71
05:10	0.137	0.023	0.114	1641.6	169.01
05:15	0.147	0.023	0.124	1792.2	181.36
05:20	0.165	0.023	0.142	1976.9	194.97
05:25	0.196	0.023	0.173	2219.0	210.25

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.067	0.023	0.044	2327.7	226.29
05:35	0.032	0.023	0.009	2407.0	242.86
05:40	0.021	0.018	0.003	2420.9	259.54
05:45	0.018	0.015	0.002	2307.7	275.43
05:50	0.011	0.009	0.001	2162.9	290.33
05:55	0.007	0.006	0.001	1832.7	302.95
06:00	0.000	0.000	0.000	1489.6	313.21
06:05	0.000	0.000	0.000	1216.6	321.58
06:10	0.000	0.000	0.000	1018.4	328.60
06:15	0.000	0.000	0.000	877.4	334.64
06:20	0.000	0.000	0.000	738.9	339.73
06:25	0.000	0.000	0.000	661.0	344.28
06:30	0.000	0.000	0.000	596.8	348.39
06:35	0.000	0.000	0.000	529.6	352.04
06:40	0.000	0.000	0.000	452.6	355.16
06:45	0.000	0.000	0.000	411.5	357.99
06:50	0.000	0.000	0.000	388.5	360.67
06:55	0.000	0.000	0.000	368.7	363.21
07:00	0.000	0.000	0.000	345.1	365.58
07:05	0.000	0.000	0.000	317.5	367.77
07:10	0.000	0.000	0.000	287.5	369.75
07:15	0.000	0.000	0.000	255.0	371.51
07:20	0.000	0.000	0.000	217.6	373.00
07:25	0.000	0.000	0.000	175.8	374.21
07:30	0.000	0.000	0.000	164.6	375.35
07:35	0.000	0.000	0.000	161.4	376.46
07:40	0.000	0.000	0.000	159.6	377.56
07:45	0.000	0.000	0.000	157.6	378.64
07:50	0.000	0.000	0.000	155.8	379.72
07:55	0.000	0.000	0.000	154.1	380.78
08:00	0.000	0.000	0.000	152.4	381.83
08:05	0.000	0.000	0.000	150.4	382.86
08:10	0.000	0.000	0.000	148.1	383.88
08:15	0.000	0.000	0.000	145.7	384.89
08:20	0.000	0.000	0.000	143.0	385.87
08:25	0.000	0.000	0.000	140.2	386.84
08:30	0.000	0.000	0.000	137.3	387.78
08:35	0.000	0.000	0.000	134.2	388.71
08:40	0.000	0.000	0.000	130.9	389.61
08:45	0.000	0.000	0.000	127.2	390.49
08:50	0.000	0.000	0.000	123.3	391.33
08:55	0.000	0.000	0.000	119.0	392.15
09:00	0.000	0.000	0.000	114.4	392.94
09:05	0.000	0.000	0.000	109.7	393.70
09:10	0.000	0.000	0.000	104.7	394.42
09:15	0.000	0.000	0.000	99.5	395.10
09:20	0.000	0.000	0.000	93.9	395.75
09:25	0.000	0.000	0.000	88.2	396.36
09:30	0.000	0.000	0.000	82.3	396.92
09:35	0.000	0.000	0.000	76.0	397.45
09:40	0.000	0.000	0.000	68.5	397.92
09:45	0.000	0.000	0.000	59.3	398.33
09:50	0.000	0.000	0.000	49.0	398.67
09:55	0.000	0.000	0.000	37.8	398.93
10:00	0.000	0.000	0.000	25.0	399.10
10:05	0.000	0.000	0.000	9.7	399.17
10:10	0.000	0.000	0.000	2.6	399.18
10:15	0.000	0.000	0.000	0.9	399.19
10:20	0.000	0.000	0.000	0.5	399.19
10:25	0.000	0.000	0.000	0.3	399.19
10:30	0.000	0.000	0.000	0.1	399.20
10:35	0.000	0.000	0.000	0.0	399.20

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
00:05	3.4	0.90	0.02
00:10	6.8	3.33	0.07
00:15	11.6	4.25	0.15
00:20	18.6	5.20	0.28
00:25	26.1	6.04	0.46
00:30	36.7	6.93	0.71
00:35	45.9	7.64	1.03
00:40	53.4	8.15	1.39
00:45	59.3	8.53	1.80
00:50	64.5	8.83	2.25
00:55	71.3	9.18	2.74
01:00	76.3	9.45	3.26
01:05	81.8	9.72	3.83
01:10	88.4	10.02	4.44
01:15	94.9	10.32	5.09
01:20	102.0	10.62	5.79
01:25	108.0	10.87	6.54
01:30	112.9	11.07	7.31
01:35	116.9	11.23	8.12
01:40	120.1	11.36	8.95
01:45	123.2	11.48	9.79
01:50	125.5	11.57	10.66
01:55	131.9	11.78	11.57
02:00	134.2	11.88	12.49
02:05	141.5	12.12	13.47
02:10	149.2	12.38	14.49
02:15	156.0	12.61	15.57
02:20	168.8	13.00	16.73
02:25	176.2	13.24	17.94
02:30	186.5	13.53	19.23
02:35	195.5	13.80	20.57
02:40	206.5	14.10	22.00
02:45	217.0	14.38	23.49
02:50	226.2	14.63	25.05
02:55	239.0	14.95	26.69
03:00	250.3	15.23	28.42
03:05	269.1	15.67	30.27
03:10	285.0	16.04	32.23
03:15	301.0	16.40	34.31
03:20	321.0	16.82	36.52
03:25	343.3	17.28	38.88
03:30	374.8	17.89	41.46
03:35	407.0	18.49	44.27
03:40	445.1	19.16	47.33
03:45	487.4	19.87	50.69
03:50	535.6	20.64	54.38
03:55	583.8	21.37	58.40
04:00	630.4	22.04	62.74
04:05	680.6	22.72	67.43
04:10	731.2	23.39	72.46
04:15	788.0	24.10	77.89
04:20	846.6	24.80	83.72
04:25	907.2	25.50	89.97
04:30	975.8	26.25	96.69
04:35	1046.1	27.00	103.89
04:40	1117.3	27.72	111.59
04:45	1185.6	28.39	119.75
04:50	1254.2	29.04	128.39
04:55	1324.4	29.68	137.51
05:00	1412.7	30.45	147.24
05:05	1519.7	31.35	157.71
05:10	1641.6	32.33	169.01
05:15	1792.2	33.49	181.36
05:20	1976.9	34.82	194.97
05:25	2219.0	36.46	210.25

Time	FLOW-IN	FLOW-VELOCITY	VOLUME
HH:MM	CFS	FT/S	AC-FT
05:30	2327.7	37.20	226.29
05:35	2407.0	37.71	242.86
05:40	2420.9	37.81	259.54
05:45	2307.7	37.12	275.43
05:50	2162.9	36.17	290.33
05:55	1832.7	33.91	302.95
06:00	1489.6	31.24	313.21
06:05	1216.6	28.82	321.58
06:10	1018.4	26.84	328.60
06:15	877.4	25.27	334.64
06:20	738.9	23.61	339.73
06:25	661.0	22.55	344.28
06:30	596.8	21.65	348.39
06:35	529.6	20.65	352.04
06:40	452.6	19.41	355.16
06:45	411.5	18.66	357.99
06:50	388.5	18.22	360.67
06:55	368.7	17.84	363.21
07:00	345.1	17.38	365.58
07:05	317.5	16.82	367.77
07:10	287.5	16.17	369.75
07:15	255.0	15.43	371.51
07:20	217.6	14.51	373.00
07:25	175.8	13.36	374.21
07:30	164.6	12.93	375.35
07:35	161.4	12.81	376.46
07:40	159.6	12.75	377.56
07:45	157.6	12.68	378.64
07:50	155.8	12.63	379.72
07:55	154.1	12.57	380.78
08:00	152.4	12.52	381.83
08:05	150.4	12.45	382.86
08:10	148.1	12.37	383.88
08:15	145.7	12.29	384.89
08:20	143.0	12.20	385.87
08:25	140.2	12.11	386.84
08:30	137.3	12.01	387.78
08:35	134.2	11.90	388.71
08:40	130.9	11.78	389.61
08:45	127.2	11.65	390.49
08:50	123.3	11.51	391.33
08:55	119.0	11.35	392.15
09:00	114.4	11.17	392.94
09:05	109.7	10.99	393.70
09:10	104.7	10.79	394.42
09:15	99.5	10.57	395.10
09:20	93.9	10.33	395.75
09:25	88.2	10.08	396.36
09:30	82.3	9.81	396.92
09:35	76.0	9.51	397.45
09:40	68.5	9.14	397.92
09:45	59.3	8.65	398.33
09:50	49.0	8.05	398.67
09:55	37.8	7.30	398.93
10:00	25.0	6.30	399.10
10:05	9.7	4.74	399.17
10:10	2.6	3.22	399.18
10:15	0.9	2.13	399.19
10:20	0.5	1.56	399.19
10:25	0.3	1.28	399.19
10:30	0.1	1.05	399.20
10:35	0.0	0.84	399.20

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	0.2	0.00	0.0	0.00
00:10	5.6	0.01	0.0	0.00
00:15	10.3	2.16	1.7	0.01
00:20	17.0	4.67	11.9	0.09
00:25	24.6	5.76	20.1	0.23
00:30	34.9	6.73	29.6	0.44
00:35	44.4	7.58	40.0	0.71
00:40	52.3	8.22	49.0	1.05
00:45	58.5	8.67	56.0	1.43
00:50	63.8	9.02	61.8	1.86
00:55	70.4	9.37	68.0	2.33
01:00	75.6	9.68	73.8	2.84
01:05	81.1	9.97	79.2	3.38
01:10	87.6	10.27	85.4	3.97
01:15	94.1	10.58	92.0	4.60
01:20	101.2	10.89	98.9	5.29
01:25	107.3	11.17	105.4	6.01
01:30	112.4	11.40	110.8	6.77
01:35	116.5	11.58	115.2	7.57
01:40	119.8	11.72	118.8	8.39
01:45	122.9	11.84	122.0	9.23
01:50	125.3	11.94	124.6	10.08
01:55	131.3	12.13	129.6	10.98
02:00	134.0	12.27	133.2	11.89
02:05	140.8	12.47	138.9	12.85
02:10	148.5	12.74	146.4	13.86
02:15	155.3	12.98	153.5	14.92
02:20	167.7	13.35	164.5	16.05
02:25	175.5	13.63	173.5	17.24
02:30	185.6	13.93	183.1	18.50
02:35	194.7	14.21	192.4	19.83
02:40	205.6	14.52	203.0	21.23
02:45	216.1	14.82	213.6	22.70
02:50	225.4	15.08	223.3	24.24
02:55	238.0	15.40	235.2	25.86
03:00	249.4	15.70	246.9	27.56
03:05	267.7	16.12	263.7	29.37
03:10	283.8	16.52	280.4	31.30
03:15	299.9	16.90	296.6	33.35
03:20	319.5	17.32	315.6	35.52
03:25	341.8	17.79	337.4	37.84
03:30	372.7	18.40	366.8	40.37
03:35	404.9	19.02	399.0	43.12
03:40	442.7	19.71	436.0	46.12
03:45	484.8	20.44	477.7	49.41
03:50	532.8	21.23	525.0	53.03
03:55	581.1	22.00	573.5	56.98
04:00	627.8	22.70	620.7	61.25
04:05	677.9	23.41	670.5	65.87
04:10	728.6	24.11	721.3	70.84
04:15	785.2	24.84	777.3	76.19
04:20	843.7	25.57	835.8	81.95
04:25	904.4	26.30	896.4	88.12
04:30	972.7	27.07	963.9	94.76
04:35	1043.0	27.85	1034.2	101.88
04:40	1114.2	28.60	1105.6	109.50
04:45	1182.7	29.30	1174.6	117.58
04:50	1251.3	29.98	1243.4	126.15
04:55	1321.5	30.64	1313.6	135.19
05:00	1409.2	31.43	1399.5	144.83
05:05	1515.6	32.35	1504.2	155.19
05:10	1637.2	33.36	1624.5	166.38
05:15	1786.9	34.54	1771.9	178.58
05:20	1970.7	35.91	1953.0	192.03
05:25	2210.8	37.58	2188.6	207.11

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	2324.2	38.43	2314.0	223.04
05:35	2404.4	38.98	2397.2	239.55
05:40	2420.1	39.11	2418.6	256.21
05:45	2311.2	38.48	2321.0	272.20
05:50	2167.2	37.53	2180.5	287.21
05:55	1844.4	35.34	1876.1	300.13
06:00	1502.7	32.65	1539.1	310.73
06:05	1228.0	30.13	1259.7	319.41
06:10	1027.3	28.04	1052.2	326.66
06:15	884.1	26.37	903.0	332.87
06:20	746.0	24.69	765.4	338.15
06:25	665.1	23.51	677.1	342.81
06:30	600.3	22.55	610.3	347.01
06:35	533.5	21.54	544.3	350.76
06:40	457.4	20.32	470.4	354.00
06:45	414.1	19.45	421.8	356.91
06:50	390.0	18.94	394.4	359.62
06:55	370.0	18.53	373.8	362.20
07:00	346.7	18.08	351.2	364.62
07:05	319.4	17.52	324.8	366.85
07:10	289.7	16.88	295.8	368.89
07:15	257.5	16.14	264.4	370.71
07:20	220.7	15.24	229.0	372.29
07:25	179.6	14.13	189.6	373.59
07:30	165.6	13.50	169.2	374.76
07:35	161.7	13.29	162.7	375.88
07:40	159.7	13.21	160.2	376.98
07:45	157.8	13.14	158.3	378.07
07:50	156.0	13.08	156.4	379.15
07:55	154.3	13.02	154.7	380.21
08:00	152.6	12.97	153.0	381.27
08:05	150.6	12.90	151.1	382.31
08:10	148.3	12.83	148.9	383.33
08:15	145.9	12.74	146.6	384.34
08:20	143.3	12.65	144.0	385.34
08:25	140.5	12.56	141.3	386.31
08:30	137.6	12.46	138.4	387.26
08:35	134.5	12.35	135.4	388.19
08:40	131.2	12.23	132.1	389.10
08:45	127.6	12.10	128.6	389.99
08:50	123.7	11.95	124.8	390.85
08:55	119.4	11.79	120.7	391.68
09:00	114.9	11.62	116.2	392.48
09:05	110.2	11.43	111.6	393.25
09:10	105.3	11.23	106.8	393.99
09:15	100.1	11.01	101.7	394.69
09:20	94.5	10.77	96.3	395.35
09:25	88.9	10.52	90.7	395.97
09:30	83.0	10.25	85.0	396.56
09:35	76.8	9.95	79.0	397.10
09:40	69.5	9.60	72.1	397.60
09:45	60.6	9.15	64.0	398.04
09:50	50.6	8.59	54.6	398.42
09:55	39.6	7.90	44.4	398.72
10:00	27.4	7.05	33.4	398.95
10:05	13.5	5.91	21.5	399.10
10:10	5.1	4.57	11.3	399.18
10:15	1.8	3.39	5.4	399.22
10:20	0.8	2.58	2.7	399.23
10:25	0.5	2.03	1.5	399.24
10:30	0.3	1.67	0.9	399.25
10:35	0.2	1.43	0.6	399.25

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.010	0.006	3.8	0.03
00:10	0.019	0.012	0.007	9.6	0.09
00:15	0.019	0.012	0.007	12.4	0.18
00:20	0.019	0.012	0.007	13.6	0.27
00:25	0.019	0.012	0.007	14.5	0.37
00:30	0.022	0.012	0.010	17.0	0.49
00:35	0.022	0.012	0.010	20.1	0.63
00:40	0.022	0.012	0.010	21.4	0.77
00:45	0.022	0.012	0.010	22.1	0.93
00:50	0.022	0.012	0.010	22.8	1.08
00:55	0.022	0.012	0.010	23.1	1.24
01:00	0.026	0.012	0.013	25.6	1.42
01:05	0.026	0.012	0.013	28.6	1.62
01:10	0.026	0.012	0.013	29.7	1.82
01:15	0.026	0.012	0.013	30.3	2.03
01:20	0.026	0.012	0.013	30.8	2.24
01:25	0.026	0.012	0.013	31.0	2.45
01:30	0.026	0.012	0.013	31.1	2.67
01:35	0.026	0.012	0.013	31.2	2.88
01:40	0.026	0.012	0.013	31.4	3.10
01:45	0.026	0.012	0.013	31.5	3.32
01:50	0.026	0.012	0.013	31.6	3.53
01:55	0.026	0.012	0.013	31.6	3.75
02:00	0.029	0.012	0.016	33.8	3.98
02:05	0.026	0.012	0.013	34.5	4.22
02:10	0.029	0.012	0.016	34.8	4.46
02:15	0.029	0.012	0.016	37.2	4.72
02:20	0.029	0.012	0.016	38.1	4.98
02:25	0.029	0.012	0.016	38.3	5.24
02:30	0.029	0.012	0.016	38.7	5.51
02:35	0.029	0.012	0.016	38.8	5.78
02:40	0.029	0.012	0.016	38.9	6.05
02:45	0.032	0.012	0.020	41.2	6.33
02:50	0.032	0.012	0.020	44.2	6.63
02:55	0.032	0.012	0.020	45.3	6.95
03:00	0.032	0.012	0.020	45.8	7.26
03:05	0.032	0.012	0.020	46.3	7.58
03:10	0.035	0.012	0.023	48.6	7.92
03:15	0.035	0.012	0.023	51.6	8.27
03:20	0.035	0.012	0.023	52.7	8.63
03:25	0.038	0.012	0.026	55.5	9.02
03:30	0.042	0.012	0.029	61.0	9.44
03:35	0.045	0.012	0.032	67.3	9.90
03:40	0.045	0.012	0.032	71.9	10.39
03:45	0.048	0.012	0.036	76.1	10.92
03:50	0.048	0.012	0.036	80.1	11.47
03:55	0.051	0.012	0.039	84.0	12.05
04:00	0.051	0.012	0.039	87.8	12.65
04:05	0.054	0.012	0.042	91.8	13.28
04:10	0.058	0.012	0.045	97.8	13.96
04:15	0.061	0.012	0.048	104.7	14.68
04:20	0.064	0.012	0.052	111.8	15.45
04:25	0.067	0.012	0.055	119.2	16.27
04:30	0.067	0.012	0.055	124.4	17.13
04:35	0.070	0.012	0.058	128.9	18.01
04:40	0.074	0.012	0.061	135.3	18.95
04:45	0.077	0.012	0.064	142.4	19.93
04:50	0.077	0.012	0.064	147.4	20.94
04:55	0.080	0.012	0.068	152.1	21.99
05:00	0.083	0.012	0.071	158.6	23.08
05:05	0.099	0.012	0.087	174.4	24.28
05:10	0.115	0.012	0.103	201.7	25.67
05:15	0.125	0.012	0.112	229.1	27.25
05:20	0.134	0.012	0.122	252.7	28.99
05:25	0.150	0.012	0.138	280.2	30.92

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.012	0.167	321.7	33.13
05:35	0.061	0.012	0.048	277.0	35.04
05:40	0.029	0.012	0.016	163.6	36.17
05:45	0.019	0.012	0.007	98.7	36.85
05:50	0.016	0.010	0.006	67.4	37.31
05:55	0.010	0.006	0.003	45.8	37.63
06:00	0.006	0.004	0.002	36.1	37.88
06:05	0.000	0.000	0.000	28.7	38.07
06:10	0.000	0.000	0.000	22.2	38.23
06:15	0.000	0.000	0.000	16.9	38.34
06:20	0.000	0.000	0.000	11.9	38.42
06:25	0.000	0.000	0.000	6.2	38.47
06:30	0.000	0.000	0.000	2.2	38.48
06:35	0.000	0.000	0.000	1.0	38.49
06:40	0.000	0.000	0.000	0.5	38.49
06:45	0.000	0.000	0.000	0.3	38.49
06:50	0.000	0.000	0.000	0.1	38.50
06:55	0.000	0.000	0.000	0.0	38.50
07:00	0.000	0.000	0.000	0.0	38.50
07:05	0.000	0.000	0.000	0.0	38.50
07:10	0.000	0.000	0.000	0.0	38.50
07:15	0.000	0.000	0.000	0.0	38.50
07:20	0.000	0.000	0.000	0.0	38.50
07:25	0.000	0.000	0.000	0.0	38.50
07:30	0.000	0.000	0.000	0.0	38.50
07:35	0.000	0.000	0.000	0.0	38.50
07:40	0.000	0.000	0.000	0.0	38.50
07:45	0.000	0.000	0.000	0.0	38.50
07:50	0.000	0.000	0.000	0.0	38.50
07:55	0.000	0.000	0.000	0.0	38.50
08:00	0.000	0.000	0.000	0.0	38.50
08:05	0.000	0.000	0.000	0.0	38.50
08:10	0.000	0.000	0.000	0.0	38.50
08:15	0.000	0.000	0.000	0.0	38.50
08:20	0.000	0.000	0.000	0.0	38.50
08:25	0.000	0.000	0.000	0.0	38.50
08:30	0.000	0.000	0.000	0.0	38.50
08:35	0.000	0.000	0.000	0.0	38.50
08:40	0.000	0.000	0.000	0.0	38.50
08:45	0.000	0.000	0.000	0.0	38.50
08:50	0.000	0.000	0.000	0.0	38.50
08:55	0.000	0.000	0.000	0.0	38.50
09:00	0.000	0.000	0.000	0.0	38.50
09:05	0.000	0.000	0.000	0.0	38.50
09:10	0.000	0.000	0.000	0.0	38.50
09:15	0.000	0.000	0.000	0.0	38.50
09:20	0.000	0.000	0.000	0.0	38.50
09:25	0.000	0.000	0.000	0.0	38.50
09:30	0.000	0.000	0.000	0.0	38.50
09:35	0.000	0.000	0.000	0.0	38.50
09:40	0.000	0.000	0.000	0.0	38.50
09:45	0.000	0.000	0.000	0.0	38.50
09:50	0.000	0.000	0.000	0.0	38.50
09:55	0.000	0.000	0.000	0.0	38.50
10:00	0.000	0.000	0.000	0.0	38.50
10:05	0.000	0.000	0.000	0.0	38.50
10:10	0.000	0.000	0.000	0.0	38.50
10:15	0.000	0.000	0.000	0.0	38.50
10:20	0.000	0.000	0.000	0.0	38.50
10:25	0.000	0.000	0.000	0.0	38.50
10:30	0.000	0.000	0.000	0.0	38.50
10:35	0.000	0.000	0.000	0.0	38.50

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	3.8	3.8	0.03
00:10	9.6	9.6	0.09
00:15	14.1	14.1	0.19
00:20	25.6	25.6	0.37
00:25	34.6	34.6	0.60
00:30	46.6	46.6	0.92
00:35	60.1	60.1	1.34
00:40	70.4	70.4	1.82
00:45	78.1	78.1	2.36
00:50	84.5	84.5	2.94
00:55	91.1	91.1	3.57
01:00	99.3	99.3	4.25
01:05	107.8	107.8	5.00
01:10	115.1	115.1	5.79
01:15	122.3	122.3	6.63
01:20	129.8	129.8	7.53
01:25	136.4	136.4	8.47
01:30	141.9	141.9	9.44
01:35	146.5	146.5	10.45
01:40	150.2	150.2	11.49
01:45	153.4	153.4	12.54
01:50	156.2	156.2	13.62
01:55	161.2	161.2	14.73
02:00	167.0	167.0	15.88
02:05	173.4	173.4	17.07
02:10	181.2	181.2	18.32
02:15	190.7	190.7	19.63
02:20	202.6	202.6	21.03
02:25	211.8	211.8	22.49
02:30	221.8	221.8	24.02
02:35	231.3	231.3	25.61
02:40	241.9	241.9	27.27
02:45	254.8	254.8	29.03
02:50	267.5	267.5	30.87
02:55	280.5	280.5	32.80
03:00	292.7	292.7	34.82
03:05	310.0	310.0	36.95
03:10	329.0	329.0	39.22
03:15	348.1	348.1	41.62
03:20	368.3	368.3	44.15
03:25	392.9	392.9	46.86
03:30	427.9	427.9	49.81
03:35	466.3	466.3	53.02
03:40	507.9	507.9	56.52
03:45	553.8	553.8	60.33
03:50	605.1	605.1	64.50
03:55	657.5	657.5	69.03
04:00	708.5	708.5	73.91
04:05	762.3	762.3	79.16
04:10	819.1	819.1	84.80
04:15	882.0	882.0	90.87
04:20	947.6	947.6	97.40
04:25	1015.5	1015.5	104.39
04:30	1088.3	1088.3	111.89
04:35	1163.1	1163.1	119.90
04:40	1240.9	1240.9	128.44
04:45	1317.0	1317.0	137.51
04:50	1390.8	1390.8	147.09
04:55	1465.6	1465.6	157.19
05:00	1558.2	1558.2	167.92
05:05	1678.6	1678.6	179.48
05:10	1826.2	1826.2	192.05
05:15	2001.0	2001.0	205.84
05:20	2205.7	2205.7	221.03
05:25	2468.8	2468.8	238.03

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	2635.6	2635.6	256.18
05:35	2674.2	2674.2	274.60
05:40	2582.2	2582.2	292.38
05:45	2419.7	2419.7	309.05
05:50	2247.9	2247.9	324.53
05:55	1921.8	1921.8	337.76
06:00	1575.2	1575.2	348.61
06:05	1288.4	1288.4	357.48
06:10	1074.4	1074.4	364.88
06:15	919.9	919.9	371.22
06:20	777.3	777.3	376.57
06:25	683.2	683.2	381.28
06:30	612.4	612.4	385.50
06:35	545.2	545.2	389.25
06:40	470.9	470.9	392.49
06:45	422.1	422.1	395.40
06:50	394.5	394.5	398.12
06:55	373.8	373.8	400.69
07:00	351.2	351.2	403.11
07:05	324.8	324.8	405.35
07:10	295.8	295.8	407.38
07:15	264.4	264.4	409.21
07:20	229.0	229.0	410.78
07:25	189.6	189.6	412.09
07:30	169.2	169.2	413.25
07:35	162.7	162.7	414.37
07:40	160.2	160.2	415.48
07:45	158.3	158.3	416.57
07:50	156.4	156.4	417.65
07:55	154.7	154.7	418.71
08:00	153.0	153.0	419.76
08:05	151.1	151.1	420.81
08:10	148.9	148.9	421.83
08:15	146.6	146.6	422.84
08:20	144.0	144.0	423.83
08:25	141.3	141.3	424.81
08:30	138.4	138.4	425.76
08:35	135.4	135.4	426.69
08:40	132.1	132.1	427.60
08:45	128.6	128.6	428.49
08:50	124.8	124.8	429.35
08:55	120.7	120.7	430.18
09:00	116.2	116.2	430.98
09:05	111.6	111.6	431.75
09:10	106.8	106.8	432.48
09:15	101.7	101.7	433.18
09:20	96.3	96.3	433.85
09:25	90.7	90.7	434.47
09:30	85.0	85.0	435.06
09:35	79.0	79.0	435.60
09:40	72.1	72.1	436.10
09:45	64.0	64.0	436.54
09:50	54.6	54.6	436.91
09:55	44.4	44.4	437.22
10:00	33.4	33.4	437.45
10:05	21.5	21.5	437.60
10:10	11.3	11.3	437.67
10:15	5.4	5.4	437.71
10:20	2.7	2.7	437.73
10:25	1.5	1.5	437.74
10:30	0.9	0.9	437.75
10:35	0.6	0.6	437.75

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.029	0.003	0.3	0.00
02:50	0.032	0.029	0.003	0.7	0.01
02:55	0.032	0.029	0.003	0.8	0.01
03:00	0.032	0.029	0.003	0.8	0.02
03:05	0.032	0.029	0.003	0.8	0.02
03:10	0.035	0.029	0.006	1.2	0.03
03:15	0.035	0.029	0.006	1.6	0.04
03:20	0.035	0.029	0.006	1.7	0.05
03:25	0.038	0.029	0.009	2.2	0.07
03:30	0.042	0.029	0.012	3.0	0.09
03:35	0.045	0.029	0.016	3.8	0.12
03:40	0.045	0.029	0.016	4.4	0.15
03:45	0.048	0.029	0.019	5.0	0.18
03:50	0.048	0.029	0.019	5.5	0.22
03:55	0.051	0.029	0.022	6.1	0.26
04:00	0.051	0.029	0.022	6.6	0.31
04:05	0.054	0.029	0.025	7.1	0.36
04:10	0.058	0.029	0.028	8.0	0.41
04:15	0.061	0.029	0.032	9.0	0.47
04:20	0.064	0.029	0.035	9.9	0.54
04:25	0.067	0.029	0.038	10.9	0.62
04:30	0.067	0.029	0.038	11.6	0.70
04:35	0.070	0.029	0.041	12.2	0.78
04:40	0.074	0.029	0.044	13.1	0.87
04:45	0.077	0.029	0.048	14.1	0.97
04:50	0.077	0.029	0.048	14.7	1.07
04:55	0.080	0.029	0.051	15.4	1.17
05:00	0.083	0.029	0.054	16.3	1.29
05:05	0.099	0.029	0.070	18.7	1.42
05:10	0.115	0.029	0.086	22.6	1.57
05:15	0.125	0.029	0.096	26.3	1.75
05:20	0.134	0.029	0.105	29.5	1.96
05:25	0.150	0.029	0.121	33.4	2.18

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.029	0.150	39.4	2.46
05:35	0.061	0.029	0.032	30.4	2.67
05:40	0.029	0.029	0.000	14.8	2.77
05:45	0.019	0.019	0.000	7.9	2.82
05:50	0.016	0.016	0.000	4.9	2.86
05:55	0.010	0.010	0.000	3.5	2.88
06:00	0.006	0.006	0.000	2.9	2.90
06:05	0.000	0.000	0.000	2.4	2.92
06:10	0.000	0.000	0.000	1.8	2.93
06:15	0.000	0.000	0.000	1.1	2.94
06:20	0.000	0.000	0.000	0.3	2.94
06:25	0.000	0.000	0.000	0.0	2.94
06:30	0.000	0.000	0.000	0.0	2.94
06:35	0.000	0.000	0.000	0.0	2.94
06:40	0.000	0.000	0.000	0.0	2.94
06:45	0.000	0.000	0.000	0.0	2.94
06:50	0.000	0.000	0.000	0.0	2.94
06:55	0.000	0.000	0.000	0.0	2.94
07:00	0.000	0.000	0.000	0.0	2.94
07:05	0.000	0.000	0.000	0.0	2.94
07:10	0.000	0.000	0.000	0.0	2.94
07:15	0.000	0.000	0.000	0.0	2.94
07:20	0.000	0.000	0.000	0.0	2.94
07:25	0.000	0.000	0.000	0.0	2.94
07:30	0.000	0.000	0.000	0.0	2.94
07:35	0.000	0.000	0.000	0.0	2.94
07:40	0.000	0.000	0.000	0.0	2.94
07:45	0.000	0.000	0.000	0.0	2.94
07:50	0.000	0.000	0.000	0.0	2.94
07:55	0.000	0.000	0.000	0.0	2.94
08:00	0.000	0.000	0.000	0.0	2.94
08:05	0.000	0.000	0.000	0.0	2.94
08:10	0.000	0.000	0.000	0.0	2.94
08:15	0.000	0.000	0.000	0.0	2.94
08:20	0.000	0.000	0.000	0.0	2.94
08:25	0.000	0.000	0.000	0.0	2.94
08:30	0.000	0.000	0.000	0.0	2.94
08:35	0.000	0.000	0.000	0.0	2.94
08:40	0.000	0.000	0.000	0.0	2.94
08:45	0.000	0.000	0.000	0.0	2.94
08:50	0.000	0.000	0.000	0.0	2.94
08:55	0.000	0.000	0.000	0.0	2.94
09:00	0.000	0.000	0.000	0.0	2.94
09:05	0.000	0.000	0.000	0.0	2.94
09:10	0.000	0.000	0.000	0.0	2.94
09:15	0.000	0.000	0.000	0.0	2.94
09:20	0.000	0.000	0.000	0.0	2.94
09:25	0.000	0.000	0.000	0.0	2.94
09:30	0.000	0.000	0.000	0.0	2.94
09:35	0.000	0.000	0.000	0.0	2.94
09:40	0.000	0.000	0.000	0.0	2.94
09:45	0.000	0.000	0.000	0.0	2.94
09:50	0.000	0.000	0.000	0.0	2.94
09:55	0.000	0.000	0.000	0.0	2.94
10:00	0.000	0.000	0.000	0.0	2.94
10:05	0.000	0.000	0.000	0.0	2.94
10:10	0.000	0.000	0.000	0.0	2.94
10:15	0.000	0.000	0.000	0.0	2.94
10:20	0.000	0.000	0.000	0.0	2.94
10:25	0.000	0.000	0.000	0.0	2.94
10:30	0.000	0.000	0.000	0.0	2.94
10:35	0.000	0.000	0.000	0.0	2.94

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
00:05	3.8	0.00	0.0	0.00
00:10	9.6	0.00	0.0	0.00
00:15	14.1	0.77	0.0	0.00
00:20	25.6	3.05	3.5	0.02
00:25	34.6	4.75	14.6	0.12
00:30	46.6	5.88	29.1	0.33
00:35	60.1	6.58	42.0	0.61
00:40	70.4	7.21	56.7	1.00
00:45	78.1	7.65	68.6	1.48
00:50	84.5	7.93	77.1	2.01
00:55	91.1	8.14	83.9	2.59
01:00	99.3	8.33	90.6	3.21
01:05	107.8	8.56	98.9	3.89
01:10	115.1	8.78	107.6	4.63
01:15	122.3	8.97	115.1	5.42
01:20	129.8	9.14	122.4	6.27
01:25	136.4	9.31	130.0	7.16
01:30	141.9	9.45	136.6	8.10
01:35	146.5	9.57	142.2	9.08
01:40	150.2	9.66	146.7	10.09
01:45	153.4	9.74	150.4	11.13
01:50	156.2	9.80	153.7	12.19
01:55	161.2	9.86	156.7	13.27
02:00	167.0	9.96	161.8	14.38
02:05	173.4	10.07	167.7	15.54
02:10	181.2	10.19	174.4	16.74
02:15	190.7	10.33	182.5	17.99
02:20	202.6	10.50	192.4	19.32
02:25	211.8	10.70	204.0	20.72
02:30	221.8	10.85	213.5	22.19
02:35	231.3	11.00	223.5	23.73
02:40	241.9	11.15	233.3	25.34
02:45	255.2	11.31	244.7	27.03
02:50	268.1	11.50	258.0	28.80
02:55	281.2	11.67	271.1	30.67
03:00	293.5	11.84	284.2	32.63
03:05	310.9	12.02	297.9	34.68
03:10	330.2	12.24	316.0	36.86
03:15	349.7	12.47	335.7	39.17
03:20	370.1	12.69	355.7	41.62
03:25	395.1	12.93	377.7	44.22
03:30	430.8	13.22	406.6	47.02
03:35	470.2	13.59	444.2	50.08
03:40	512.3	13.96	485.3	53.42
03:45	558.8	14.35	529.8	57.07
03:50	610.6	14.74	579.1	61.06
03:55	663.6	15.15	632.2	65.41
04:00	715.1	15.53	685.3	70.13
04:05	769.5	15.89	738.7	75.22
04:10	827.1	16.26	795.3	80.70
04:15	891.0	16.63	856.5	86.59
04:20	957.5	17.02	922.4	92.95
04:25	1026.5	17.39	990.9	99.77
04:30	1099.8	17.77	1062.8	107.09
04:35	1175.3	18.15	1138.0	114.93
04:40	1254.0	18.52	1215.9	123.30
04:45	1331.0	18.88	1294.4	132.22
04:50	1405.5	19.22	1370.7	141.66
04:55	1481.0	19.54	1446.3	151.62
05:00	1574.4	19.89	1532.3	162.17
05:05	1697.2	20.32	1643.0	173.49
05:10	1848.8	20.84	1783.6	185.77
05:15	2027.3	21.43	1952.6	199.22
05:20	2235.2	22.08	2150.7	214.03
05:25	2502.2	22.83	2397.3	230.54

Time	FLOW-IN	FLOW-VELOCITY	FLOW	VOLUME
HH:MM	CFS	FT/S	CFS	AC-FT
05:30	2675.0	23.43	2608.8	248.51
05:35	2704.6	23.66	2693.4	267.06
05:40	2597.0	23.51	2638.2	285.23
05:45	2427.6	23.11	2493.5	302.40
05:50	2252.9	22.61	2322.4	318.39
05:55	1925.3	21.79	2060.8	332.59
06:00	1578.1	20.65	1729.9	344.50
06:05	1290.7	19.44	1422.9	354.30
06:10	1076.2	18.36	1180.7	362.43
06:15	921.1	17.45	1000.6	369.32
06:20	777.6	16.62	854.8	375.21
06:25	683.3	15.88	736.5	380.28
06:30	612.4	15.31	653.9	384.79
06:35	545.2	14.80	585.9	388.82
06:40	470.9	14.24	517.6	392.38
06:45	422.1	13.68	454.0	395.51
06:50	394.5	13.29	413.2	398.36
06:55	373.8	13.04	388.1	401.03
07:00	351.2	12.81	367.0	403.56
07:05	324.8	12.56	343.6	405.92
07:10	295.8	12.25	317.0	408.11
07:15	264.4	11.89	288.0	410.09
07:20	229.0	11.48	256.6	411.86
07:25	189.6	10.97	221.7	413.38
07:30	169.2	10.41	186.9	414.67
07:35	162.7	10.09	168.9	415.84
07:40	160.2	9.97	162.5	416.95
07:45	158.3	9.93	160.1	418.06
07:50	156.4	9.89	158.1	419.15
07:55	154.7	9.85	156.3	420.22
08:00	153.0	9.82	154.6	421.29
08:05	151.1	9.79	152.9	422.34
08:10	148.9	9.75	151.0	423.38
08:15	146.6	9.71	148.8	424.40
08:20	144.0	9.66	146.4	425.41
08:25	141.3	9.60	143.8	426.40
08:30	138.4	9.55	141.1	427.38
08:35	135.4	9.49	138.2	428.33
08:40	132.1	9.42	135.2	429.26
08:45	128.6	9.35	132.0	430.17
08:50	124.8	9.28	128.5	431.05
08:55	120.7	9.19	124.7	431.91
09:00	116.2	9.10	120.6	432.74
09:05	111.6	8.99	116.2	433.54
09:10	106.8	8.88	111.6	434.31
09:15	101.7	8.77	106.9	435.05
09:20	96.3	8.64	101.9	435.75
09:25	90.7	8.50	96.6	436.41
09:30	85.0	8.35	91.1	437.04
09:35	79.0	8.19	85.5	437.63
09:40	72.1	8.01	79.6	438.18
09:45	64.0	7.80	73.1	438.68
09:50	54.6	7.54	65.5	439.13
09:55	44.4	7.22	56.8	439.52
10:00	33.4	6.83	47.4	439.85
10:05	21.5	6.36	37.6	440.11
10:10	11.3	5.78	27.6	440.30
10:15	5.4	5.10	18.4	440.43
10:20	2.7	4.40	11.4	440.50
10:25	1.5	3.78	7.0	440.55
10:30	0.9	3.28	4.4	440.58
10:35	0.6	2.89	2.9	440.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	1.7	0.01
00:10	0.019	0.008	0.012	2.8	0.03
00:15	0.019	0.008	0.012	3.1	0.05
00:20	0.019	0.008	0.012	3.3	0.08
00:25	0.019	0.008	0.012	3.4	0.10
00:30	0.022	0.008	0.015	4.1	0.13
00:35	0.022	0.008	0.015	4.2	0.16
00:40	0.022	0.008	0.015	4.3	0.19
00:45	0.022	0.008	0.015	4.3	0.22
00:50	0.022	0.008	0.015	4.3	0.25
00:55	0.022	0.008	0.015	4.4	0.28
01:00	0.026	0.008	0.018	5.0	0.31
01:05	0.026	0.008	0.018	5.2	0.35
01:10	0.026	0.008	0.018	5.2	0.38
01:15	0.026	0.008	0.018	5.3	0.42
01:20	0.026	0.008	0.018	5.3	0.45
01:25	0.026	0.008	0.018	5.3	0.49
01:30	0.026	0.008	0.018	5.3	0.53
01:35	0.026	0.008	0.018	5.3	0.56
01:40	0.026	0.008	0.018	5.3	0.60
01:45	0.026	0.008	0.018	5.3	0.64
01:50	0.026	0.008	0.018	5.3	0.67
01:55	0.026	0.008	0.018	5.3	0.71
02:00	0.029	0.008	0.021	5.9	0.75
02:05	0.026	0.008	0.018	5.4	0.79
02:10	0.029	0.008	0.021	6.0	0.83
02:15	0.029	0.008	0.021	6.1	0.87
02:20	0.029	0.008	0.021	6.2	0.91
02:25	0.029	0.008	0.021	6.2	0.96
02:30	0.029	0.008	0.021	6.2	1.00
02:35	0.029	0.008	0.021	6.2	1.04
02:40	0.029	0.008	0.021	6.2	1.08
02:45	0.032	0.008	0.025	6.9	1.13
02:50	0.032	0.008	0.025	7.0	1.18
02:55	0.032	0.008	0.025	7.1	1.23
03:00	0.032	0.008	0.025	7.1	1.28
03:05	0.032	0.008	0.025	7.2	1.33
03:10	0.035	0.008	0.028	7.8	1.38
03:15	0.035	0.008	0.028	8.0	1.44
03:20	0.035	0.008	0.028	8.0	1.49
03:25	0.038	0.008	0.031	8.7	1.55
03:30	0.042	0.008	0.034	9.6	1.62
03:35	0.045	0.008	0.037	10.4	1.69
03:40	0.045	0.008	0.037	10.7	1.76
03:45	0.048	0.008	0.041	11.4	1.84
03:50	0.048	0.008	0.041	11.7	1.92
03:55	0.051	0.008	0.044	12.4	2.01
04:00	0.051	0.008	0.044	12.6	2.09
04:05	0.054	0.008	0.047	13.3	2.19
04:10	0.058	0.008	0.050	14.2	2.28
04:15	0.061	0.008	0.053	15.1	2.39
04:20	0.064	0.008	0.057	16.0	2.50
04:25	0.067	0.008	0.060	16.9	2.61
04:30	0.067	0.008	0.060	17.2	2.73
04:35	0.070	0.008	0.063	18.0	2.86
04:40	0.074	0.008	0.066	18.9	2.99
04:45	0.077	0.008	0.069	19.8	3.12
04:50	0.077	0.008	0.069	20.0	3.26
04:55	0.080	0.008	0.073	20.8	3.40
05:00	0.083	0.008	0.076	21.7	3.55
05:05	0.099	0.008	0.092	25.2	3.73
05:10	0.115	0.008	0.108	29.4	3.93
05:15	0.125	0.008	0.117	32.5	4.15
05:20	0.134	0.008	0.127	35.4	4.40
05:25	0.150	0.008	0.143	39.6	4.67

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	46.8	4.99
05:35	0.061	0.008	0.053	24.3	5.16
05:40	0.029	0.008	0.021	12.4	5.24
05:45	0.019	0.008	0.012	7.5	5.30
05:50	0.016	0.008	0.009	5.0	5.33
05:55	0.010	0.005	0.005	2.5	5.35
06:00	0.006	0.003	0.003	1.4	5.36
06:05	0.000	0.000	0.000	0.5	5.36
06:10	0.000	0.000	0.000	0.2	5.36
06:15	0.000	0.000	0.000	0.1	5.36
06:20	0.000	0.000	0.000	0.0	5.36
06:25	0.000	0.000	0.000	0.0	5.36
06:30	0.000	0.000	0.000	0.0	5.36
06:35	0.000	0.000	0.000	0.0	5.36
06:40	0.000	0.000	0.000	0.0	5.36
06:45	0.000	0.000	0.000	0.0	5.36
06:50	0.000	0.000	0.000	0.0	5.36
06:55	0.000	0.000	0.000	0.0	5.36
07:00	0.000	0.000	0.000	0.0	5.36
07:05	0.000	0.000	0.000	0.0	5.36
07:10	0.000	0.000	0.000	0.0	5.36
07:15	0.000	0.000	0.000	0.0	5.36
07:20	0.000	0.000	0.000	0.0	5.36
07:25	0.000	0.000	0.000	0.0	5.36
07:30	0.000	0.000	0.000	0.0	5.36
07:35	0.000	0.000	0.000	0.0	5.36
07:40	0.000	0.000	0.000	0.0	5.36
07:45	0.000	0.000	0.000	0.0	5.36
07:50	0.000	0.000	0.000	0.0	5.36
07:55	0.000	0.000	0.000	0.0	5.36
08:00	0.000	0.000	0.000	0.0	5.36
08:05	0.000	0.000	0.000	0.0	5.36
08:10	0.000	0.000	0.000	0.0	5.36
08:15	0.000	0.000	0.000	0.0	5.36
08:20	0.000	0.000	0.000	0.0	5.36
08:25	0.000	0.000	0.000	0.0	5.36
08:30	0.000	0.000	0.000	0.0	5.36
08:35	0.000	0.000	0.000	0.0	5.36
08:40	0.000	0.000	0.000	0.0	5.36
08:45	0.000	0.000	0.000	0.0	5.36
08:50	0.000	0.000	0.000	0.0	5.36
08:55	0.000	0.000	0.000	0.0	5.36
09:00	0.000	0.000	0.000	0.0	5.36
09:05	0.000	0.000	0.000	0.0	5.36
09:10	0.000	0.000	0.000	0.0	5.36
09:15	0.000	0.000	0.000	0.0	5.36
09:20	0.000	0.000	0.000	0.0	5.36
09:25	0.000	0.000	0.000	0.0	5.36
09:30	0.000	0.000	0.000	0.0	5.36
09:35	0.000	0.000	0.000	0.0	5.36
09:40	0.000	0.000	0.000	0.0	5.36
09:45	0.000	0.000	0.000	0.0	5.36
09:50	0.000	0.000	0.000	0.0	5.36
09:55	0.000	0.000	0.000	0.0	5.36
10:00	0.000	0.000	0.000	0.0	5.36
10:05	0.000	0.000	0.000	0.0	5.36
10:10	0.000	0.000	0.000	0.0	5.36
10:15	0.000	0.000	0.000	0.0	5.36
10:20	0.000	0.000	0.000	0.0	5.36
10:25	0.000	0.000	0.000	0.0	5.36
10:30	0.000	0.000	0.000	0.0	5.36
10:35	0.000	0.000	0.000	0.0	5.36

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.9	1.7	0.01	0.01
00:10	0.02	0.9	2.8	0.02	0.03
00:15	0.04	0.9	3.1	0.04	0.05
00:20	0.07	0.9	3.3	0.06	0.08
00:25	0.09	0.9	3.4	0.09	0.10
00:30	0.12	0.9	4.1	0.11	0.13
00:35	0.15	0.9	4.2	0.14	0.16
00:40	0.18	0.9	4.3	0.17	0.19
00:45	0.21	0.9	4.3	0.20	0.22
00:50	0.24	0.9	4.3	0.23	0.25
00:55	0.27	0.9	4.4	0.26	0.28
01:00	0.30	0.9	5.0	0.29	0.31
01:05	0.34	0.9	5.2	0.33	0.35
01:10	0.38	1.0	5.2	0.36	0.38
01:15	0.42	1.0	5.3	0.40	0.42
01:20	0.45	1.0	5.3	0.44	0.45
01:25	0.49	1.0	5.3	0.47	0.49
01:30	0.53	1.0	5.3	0.51	0.53
01:35	0.57	1.0	5.3	0.54	0.56
01:40	0.60	1.0	5.3	0.58	0.60
01:45	0.64	1.0	5.3	0.62	0.64
01:50	0.68	1.0	5.3	0.65	0.67
01:55	0.72	1.0	5.3	0.69	0.71
02:00	0.76	1.0	5.9	0.73	0.75
02:05	0.80	1.0	5.4	0.77	0.79
02:10	0.84	1.0	6.0	0.81	0.83
02:15	0.88	1.0	6.1	0.85	0.87
02:20	0.93	1.0	6.2	0.89	0.91
02:25	0.97	1.0	6.2	0.93	0.96
02:30	1.02	1.0	6.2	0.98	1.00
02:35	1.06	1.0	6.2	1.02	1.04
02:40	1.10	1.0	6.2	1.06	1.08
02:45	1.14	1.0	6.9	1.11	1.13
02:50	1.19	1.0	7.0	1.16	1.18
02:55	1.23	1.0	7.1	1.20	1.23
03:00	1.28	1.0	7.1	1.25	1.28
03:05	1.33	1.0	7.2	1.30	1.33
03:10	1.38	1.0	7.8	1.35	1.38
03:15	1.43	1.0	8.0	1.41	1.44
03:20	1.48	1.0	8.0	1.46	1.49
03:25	1.54	1.0	8.7	1.52	1.55
03:30	1.60	1.0	9.6	1.58	1.62
03:35	1.67	1.1	10.4	1.65	1.69
03:40	1.74	1.1	10.7	1.73	1.76
03:45	1.81	1.1	11.4	1.80	1.84
03:50	1.89	1.1	11.7	1.88	1.92
03:55	1.97	1.1	12.4	1.96	2.01
04:00	2.05	1.1	12.6	2.05	2.09
04:05	2.13	1.1	13.3	2.14	2.19
04:10	2.21	1.1	14.2	2.23	2.28
04:15	2.30	1.1	15.1	2.34	2.39
04:20	2.40	1.1	16.0	2.44	2.50
04:25	2.50	1.1	16.9	2.56	2.61
04:30	2.60	1.1	17.2	2.67	2.73
04:35	2.71	1.1	18.0	2.79	2.86
04:40	2.83	1.1	18.9	2.92	2.99
04:45	2.94	1.2	19.8	3.05	3.12
04:50	3.06	1.2	20.0	3.19	3.26
04:55	3.17	1.2	20.8	3.32	3.40
05:00	3.27	1.2	21.7	3.44	3.55
05:05	3.36	1.2	25.2	3.55	3.73
05:10	3.46	1.2	29.4	3.67	3.93
05:15	3.56	1.2	32.5	3.78	4.15
05:20	3.65	1.2	35.4	3.89	4.40
05:25	3.73	1.2	39.6	4.00	4.67

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.83	1.2	46.8	4.11	4.99
05:35	3.86	1.2	24.3	4.15	5.16
05:40	3.79	1.2	12.4	4.07	5.24
05:45	3.71	1.2	7.5	3.97	5.30
05:50	3.62	1.2	5.0	3.86	5.33
05:55	3.54	1.2	2.5	3.77	5.35
06:00	3.47	1.2	1.4	3.69	5.36
06:05	3.41	1.2	0.5	3.61	5.36
06:10	3.36	1.2	0.2	3.55	5.36
06:15	3.32	1.2	0.1	3.50	5.36
06:20	3.28	1.2	0.0	3.46	5.36
06:25	3.25	1.2	0.0	3.42	5.36
06:30	3.23	1.2	0.0	3.39	5.36
06:35	3.20	1.2	0.0	3.36	5.36
06:40	3.18	1.2	0.0	3.34	5.36
06:45	3.17	1.2	0.0	3.32	5.36
06:50	3.15	1.2	0.0	3.30	5.36
06:55	3.14	1.2	0.0	3.29	5.36
07:00	3.13	1.2	0.0	3.27	5.36
07:05	3.12	1.2	0.0	3.26	5.36
07:10	3.11	1.2	0.0	3.25	5.36
07:15	3.10	1.2	0.0	3.24	5.36
07:20	3.10	1.2	0.0	3.23	5.36
07:25	3.09	1.2	0.0	3.22	5.36
07:30	3.08	1.2	0.0	3.22	5.36
07:35	3.08	1.2	0.0	3.21	5.36
07:40	3.07	1.2	0.0	3.21	5.36
07:45	3.07	1.2	0.0	3.20	5.36
07:50	3.07	1.2	0.0	3.20	5.36
07:55	3.06	1.2	0.0	3.19	5.36
08:00	3.06	1.2	0.0	3.19	5.36
08:05	3.06	1.2	0.0	3.18	5.36
08:10	3.05	1.2	0.0	3.18	5.36
08:15	3.05	1.2	0.0	3.18	5.36
08:20	3.05	1.2	0.0	3.17	5.36
08:25	3.05	1.2	0.0	3.17	5.36
08:30	3.04	1.2	0.0	3.17	5.36
08:35	3.04	1.2	0.0	3.17	5.36
08:40	3.04	1.2	0.0	3.16	5.36
08:45	3.04	1.2	0.0	3.16	5.36
08:50	3.04	1.2	0.0	3.16	5.36
08:55	3.03	1.2	0.0	3.16	5.36
09:00	3.03	1.2	0.0	3.16	5.36
09:05	3.03	1.2	0.0	3.16	5.36
09:10	3.03	1.2	0.0	3.15	5.36
09:15	3.03	1.2	0.0	3.15	5.36
09:20	3.03	1.2	0.0	3.15	5.36
09:25	3.03	1.2	0.0	3.15	5.36
09:30	3.03	1.2	0.0	3.15	5.36
09:35	3.03	1.2	0.0	3.15	5.36
09:40	3.02	1.2	0.0	3.15	5.36
09:45	3.02	1.2	0.0	3.15	5.36
09:50	3.02	1.2	0.0	3.14	5.36
09:55	3.02	1.2	0.0	3.14	5.36
10:00	3.02	1.2	0.0	3.14	5.36
10:05	3.02	1.2	0.0	3.14	5.36
10:10	3.02	1.2	0.0	3.14	5.36
10:15	3.02	1.2	0.0	3.14	5.36
10:20	3.02	1.2	0.0	3.14	5.36
10:25	3.02	1.2	0.0	3.14	5.36
10:30	3.02	1.2	0.0	3.14	5.36
10:35	3.02	1.2	0.0	3.14	5.36

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.000	0.016	0.4	0.00
00:10	0.019	0.000	0.019	0.5	0.01
00:15	0.019	0.000	0.019	0.5	0.01
00:20	0.019	0.000	0.019	0.5	0.01
00:25	0.019	0.000	0.019	0.5	0.02
00:30	0.022	0.000	0.022	0.6	0.02
00:35	0.022	0.000	0.022	0.6	0.03
00:40	0.022	0.000	0.022	0.6	0.03
00:45	0.022	0.000	0.022	0.6	0.03
00:50	0.022	0.000	0.022	0.6	0.04
00:55	0.022	0.000	0.022	0.6	0.04
01:00	0.026	0.000	0.025	0.7	0.05
01:05	0.026	0.000	0.025	0.7	0.05
01:10	0.026	0.000	0.025	0.7	0.06
01:15	0.026	0.000	0.025	0.7	0.06
01:20	0.026	0.000	0.025	0.7	0.07
01:25	0.026	0.000	0.025	0.7	0.07
01:30	0.026	0.000	0.025	0.7	0.08
01:35	0.026	0.000	0.025	0.7	0.08
01:40	0.026	0.000	0.025	0.7	0.09
01:45	0.026	0.000	0.025	0.7	0.09
01:50	0.026	0.000	0.025	0.7	0.10
01:55	0.026	0.000	0.025	0.7	0.10
02:00	0.029	0.000	0.029	0.8	0.11
02:05	0.026	0.000	0.025	0.7	0.11
02:10	0.029	0.000	0.029	0.8	0.12
02:15	0.029	0.000	0.029	0.8	0.12
02:20	0.029	0.000	0.029	0.8	0.13
02:25	0.029	0.000	0.029	0.8	0.13
02:30	0.029	0.000	0.029	0.8	0.14
02:35	0.029	0.000	0.029	0.8	0.14
02:40	0.029	0.000	0.029	0.8	0.15
02:45	0.032	0.000	0.032	0.9	0.16
02:50	0.032	0.000	0.032	0.9	0.16
02:55	0.032	0.000	0.032	0.9	0.17
03:00	0.032	0.000	0.032	0.9	0.17
03:05	0.032	0.000	0.032	0.9	0.18
03:10	0.035	0.000	0.035	1.0	0.19
03:15	0.035	0.000	0.035	1.0	0.19
03:20	0.035	0.000	0.035	1.0	0.20
03:25	0.038	0.000	0.038	1.1	0.21
03:30	0.042	0.000	0.041	1.1	0.22
03:35	0.045	0.000	0.045	1.2	0.22
03:40	0.045	0.000	0.045	1.2	0.23
03:45	0.048	0.000	0.048	1.3	0.24
03:50	0.048	0.000	0.048	1.3	0.25
03:55	0.051	0.000	0.051	1.4	0.26
04:00	0.051	0.000	0.051	1.4	0.27
04:05	0.054	0.000	0.054	1.5	0.28
04:10	0.058	0.000	0.057	1.6	0.29
04:15	0.061	0.000	0.061	1.7	0.30
04:20	0.064	0.000	0.064	1.8	0.32
04:25	0.067	0.000	0.067	1.9	0.33
04:30	0.067	0.000	0.067	1.9	0.34
04:35	0.070	0.000	0.070	2.0	0.36
04:40	0.074	0.000	0.073	2.0	0.37
04:45	0.077	0.000	0.077	2.1	0.38
04:50	0.077	0.000	0.077	2.1	0.40
04:55	0.080	0.000	0.080	2.2	0.41
05:00	0.083	0.000	0.083	2.3	0.43
05:05	0.099	0.000	0.099	2.7	0.45
05:10	0.115	0.000	0.115	3.2	0.47
05:15	0.125	0.000	0.125	3.5	0.49
05:20	0.134	0.000	0.134	3.7	0.52
05:25	0.150	0.000	0.150	4.1	0.55

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.000	0.179	4.9	0.58
05:35	0.061	0.000	0.061	2.0	0.60
05:40	0.029	0.000	0.029	0.9	0.60
05:45	0.019	0.000	0.019	0.6	0.61
05:50	0.016	0.000	0.016	0.4	0.61
05:55	0.010	0.000	0.009	0.3	0.61
06:00	0.006	0.000	0.006	0.2	0.61
06:05	0.000	0.000	0.000	0.0	0.61
06:10	0.000	0.000	0.000	0.0	0.61
06:15	0.000	0.000	0.000	0.0	0.61
06:20	0.000	0.000	0.000	0.0	0.61
06:25	0.000	0.000	0.000	0.0	0.61
06:30	0.000	0.000	0.000	0.0	0.61
06:35	0.000	0.000	0.000	0.0	0.61
06:40	0.000	0.000	0.000	0.0	0.61
06:45	0.000	0.000	0.000	0.0	0.61
06:50	0.000	0.000	0.000	0.0	0.61
06:55	0.000	0.000	0.000	0.0	0.61
07:00	0.000	0.000	0.000	0.0	0.61
07:05	0.000	0.000	0.000	0.0	0.61
07:10	0.000	0.000	0.000	0.0	0.61
07:15	0.000	0.000	0.000	0.0	0.61
07:20	0.000	0.000	0.000	0.0	0.61
07:25	0.000	0.000	0.000	0.0	0.61
07:30	0.000	0.000	0.000	0.0	0.61
07:35	0.000	0.000	0.000	0.0	0.61
07:40	0.000	0.000	0.000	0.0	0.61
07:45	0.000	0.000	0.000	0.0	0.61
07:50	0.000	0.000	0.000	0.0	0.61
07:55	0.000	0.000	0.000	0.0	0.61
08:00	0.000	0.000	0.000	0.0	0.61
08:05	0.000	0.000	0.000	0.0	0.61
08:10	0.000	0.000	0.000	0.0	0.61
08:15	0.000	0.000	0.000	0.0	0.61
08:20	0.000	0.000	0.000	0.0	0.61
08:25	0.000	0.000	0.000	0.0	0.61
08:30	0.000	0.000	0.000	0.0	0.61
08:35	0.000	0.000	0.000	0.0	0.61
08:40	0.000	0.000	0.000	0.0	0.61
08:45	0.000	0.000	0.000	0.0	0.61
08:50	0.000	0.000	0.000	0.0	0.61
08:55	0.000	0.000	0.000	0.0	0.61
09:00	0.000	0.000	0.000	0.0	0.61
09:05	0.000	0.000	0.000	0.0	0.61
09:10	0.000	0.000	0.000	0.0	0.61
09:15	0.000	0.000	0.000	0.0	0.61
09:20	0.000	0.000	0.000	0.0	0.61
09:25	0.000	0.000	0.000	0.0	0.61
09:30	0.000	0.000	0.000	0.0	0.61
09:35	0.000	0.000	0.000	0.0	0.61
09:40	0.000	0.000	0.000	0.0	0.61
09:45	0.000	0.000	0.000	0.0	0.61
09:50	0.000	0.000	0.000	0.0	0.61
09:55	0.000	0.000	0.000	0.0	0.61
10:00	0.000	0.000	0.000	0.0	0.61
10:05	0.000	0.000	0.000	0.0	0.61
10:10	0.000	0.000	0.000	0.0	0.61
10:15	0.000	0.000	0.000	0.0	0.61
10:20	0.000	0.000	0.000	0.0	0.61
10:25	0.000	0.000	0.000	0.0	0.61
10:30	0.000	0.000	0.000	0.0	0.61
10:35	0.000	0.000	0.000	0.0	0.61

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.1	0.4	0.00	0.00
00:10	0.04	0.1	0.5	0.00	0.01
00:15	0.08	0.1	0.5	0.01	0.01
00:20	0.12	0.1	0.5	0.01	0.01
00:25	0.15	0.1	0.5	0.02	0.02
00:30	0.19	0.1	0.6	0.02	0.02
00:35	0.23	0.1	0.6	0.02	0.03
00:40	0.27	0.1	0.6	0.03	0.03
00:45	0.32	0.1	0.6	0.03	0.03
00:50	0.36	0.1	0.6	0.04	0.04
00:55	0.40	0.1	0.6	0.04	0.04
01:00	0.45	0.1	0.7	0.05	0.05
01:05	0.49	0.1	0.7	0.05	0.05
01:10	0.54	0.1	0.7	0.06	0.06
01:15	0.59	0.1	0.7	0.06	0.06
01:20	0.64	0.1	0.7	0.06	0.07
01:25	0.68	0.1	0.7	0.07	0.07
01:30	0.73	0.1	0.7	0.07	0.08
01:35	0.78	0.1	0.7	0.08	0.08
01:40	0.83	0.1	0.7	0.08	0.09
01:45	0.88	0.1	0.7	0.09	0.09
01:50	0.92	0.1	0.7	0.09	0.10
01:55	0.97	0.1	0.7	0.10	0.10
02:00	1.02	0.1	0.8	0.10	0.11
02:05	1.06	0.1	0.7	0.11	0.11
02:10	1.10	0.1	0.8	0.11	0.12
02:15	1.14	0.1	0.8	0.12	0.12
02:20	1.19	0.1	0.8	0.13	0.13
02:25	1.23	0.1	0.8	0.13	0.13
02:30	1.27	0.1	0.8	0.14	0.14
02:35	1.32	0.1	0.8	0.14	0.14
02:40	1.36	0.1	0.8	0.15	0.15
02:45	1.40	0.1	0.9	0.15	0.16
02:50	1.45	0.1	0.9	0.16	0.16
02:55	1.50	0.1	0.9	0.17	0.17
03:00	1.55	0.1	0.9	0.17	0.17
03:05	1.59	0.1	0.9	0.18	0.18
03:10	1.64	0.1	1.0	0.18	0.19
03:15	1.70	0.1	1.0	0.19	0.19
03:20	1.75	0.1	1.0	0.20	0.20
03:25	1.80	0.1	1.1	0.20	0.21
03:30	1.86	0.1	1.1	0.21	0.22
03:35	1.93	0.1	1.2	0.22	0.22
03:40	2.00	0.1	1.2	0.23	0.23
03:45	2.05	0.1	1.3	0.24	0.24
03:50	2.11	0.1	1.3	0.25	0.25
03:55	2.17	0.1	1.4	0.26	0.26
04:00	2.23	0.1	1.4	0.27	0.27
04:05	2.30	0.2	1.5	0.28	0.28
04:10	2.37	0.2	1.6	0.29	0.29
04:15	2.44	0.2	1.7	0.30	0.30
04:20	2.51	0.2	1.8	0.31	0.32
04:25	2.59	0.2	1.9	0.32	0.33
04:30	2.68	0.2	1.9	0.34	0.34
04:35	2.76	0.2	2.0	0.35	0.36
04:40	2.85	0.2	2.0	0.36	0.37
04:45	2.94	0.2	2.1	0.38	0.38
04:50	3.03	0.2	2.1	0.39	0.40
04:55	3.11	0.2	2.2	0.41	0.41
05:00	3.18	0.2	2.3	0.42	0.43
05:05	3.26	0.2	2.7	0.44	0.45
05:10	3.35	0.2	3.2	0.45	0.47
05:15	3.44	0.2	3.5	0.47	0.49
05:20	3.54	0.2	3.7	0.49	0.52
05:25	3.63	0.2	4.1	0.51	0.55

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.74	0.2	4.9	0.52	0.58
05:35	3.79	0.2	2.0	0.53	0.60
05:40	3.77	0.2	0.9	0.53	0.60
05:45	3.72	0.2	0.6	0.52	0.61
05:50	3.68	0.2	0.4	0.51	0.61
05:55	3.63	0.2	0.3	0.50	0.61
06:00	3.59	0.2	0.2	0.50	0.61
06:05	3.54	0.2	0.0	0.49	0.61
06:10	3.50	0.2	0.0	0.48	0.61
06:15	3.47	0.2	0.0	0.47	0.61
06:20	3.43	0.2	0.0	0.47	0.61
06:25	3.40	0.2	0.0	0.46	0.61
06:30	3.38	0.2	0.0	0.46	0.61
06:35	3.35	0.2	0.0	0.45	0.61
06:40	3.33	0.2	0.0	0.45	0.61
06:45	3.31	0.2	0.0	0.44	0.61
06:50	3.29	0.2	0.0	0.44	0.61
06:55	3.28	0.2	0.0	0.44	0.61
07:00	3.26	0.2	0.0	0.44	0.61
07:05	3.25	0.2	0.0	0.43	0.61
07:10	3.23	0.2	0.0	0.43	0.61
07:15	3.22	0.2	0.0	0.43	0.61
07:20	3.21	0.2	0.0	0.43	0.61
07:25	3.20	0.2	0.0	0.42	0.61
07:30	3.19	0.2	0.0	0.42	0.61
07:35	3.18	0.2	0.0	0.42	0.61
07:40	3.17	0.2	0.0	0.42	0.61
07:45	3.17	0.2	0.0	0.42	0.61
07:50	3.16	0.2	0.0	0.42	0.61
07:55	3.15	0.2	0.0	0.41	0.61
08:00	3.15	0.2	0.0	0.41	0.61
08:05	3.14	0.2	0.0	0.41	0.61
08:10	3.13	0.2	0.0	0.41	0.61
08:15	3.13	0.2	0.0	0.41	0.61
08:20	3.12	0.2	0.0	0.41	0.61
08:25	3.12	0.2	0.0	0.41	0.61
08:30	3.12	0.2	0.0	0.41	0.61
08:35	3.11	0.2	0.0	0.41	0.61
08:40	3.11	0.2	0.0	0.41	0.61
08:45	3.10	0.2	0.0	0.41	0.61
08:50	3.10	0.2	0.0	0.40	0.61
08:55	3.10	0.2	0.0	0.40	0.61
09:00	3.09	0.2	0.0	0.40	0.61
09:05	3.09	0.2	0.0	0.40	0.61
09:10	3.09	0.2	0.0	0.40	0.61
09:15	3.08	0.2	0.0	0.40	0.61
09:20	3.08	0.2	0.0	0.40	0.61
09:25	3.08	0.2	0.0	0.40	0.61
09:30	3.08	0.2	0.0	0.40	0.61
09:35	3.07	0.2	0.0	0.40	0.61
09:40	3.07	0.2	0.0	0.40	0.61
09:45	3.07	0.2	0.0	0.40	0.61
09:50	3.07	0.2	0.0	0.40	0.61
09:55	3.07	0.2	0.0	0.40	0.61
10:00	3.06	0.2	0.0	0.40	0.61
10:05	3.06	0.2	0.0	0.40	0.61
10:10	3.06	0.2	0.0	0.40	0.61
10:15	3.06	0.2	0.0	0.40	0.61
10:20	3.06	0.2	0.0	0.40	0.61
10:25	3.06	0.2	0.0	0.40	0.61
10:30	3.06	0.2	0.0	0.40	0.61
10:35	3.05	0.2	0.0	0.40	0.61

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.032	0.000	0.0	0.00
02:50	0.032	0.032	0.000	0.0	0.00
02:55	0.032	0.032	0.000	0.0	0.00
03:00	0.032	0.032	0.000	0.0	0.00
03:05	0.032	0.032	0.000	0.0	0.00
03:10	0.035	0.032	0.004	0.0	0.00
03:15	0.035	0.032	0.004	0.0	0.00
03:20	0.035	0.032	0.004	0.0	0.00
03:25	0.038	0.032	0.007	0.1	0.00
03:30	0.042	0.032	0.010	0.1	0.00
03:35	0.045	0.032	0.013	0.1	0.00
03:40	0.045	0.032	0.013	0.2	0.00
03:45	0.048	0.032	0.016	0.2	0.01
03:50	0.048	0.032	0.016	0.2	0.01
03:55	0.051	0.032	0.020	0.2	0.01
04:00	0.051	0.032	0.020	0.2	0.01
04:05	0.054	0.032	0.023	0.3	0.01
04:10	0.058	0.032	0.026	0.3	0.01
04:15	0.061	0.032	0.029	0.3	0.02
04:20	0.064	0.032	0.032	0.4	0.02
04:25	0.067	0.032	0.036	0.4	0.02
04:30	0.067	0.032	0.036	0.4	0.03
04:35	0.070	0.032	0.039	0.5	0.03
04:40	0.074	0.032	0.042	0.5	0.03
04:45	0.077	0.032	0.045	0.5	0.04
04:50	0.077	0.032	0.045	0.6	0.04
04:55	0.080	0.032	0.048	0.6	0.04
05:00	0.083	0.032	0.052	0.6	0.05
05:05	0.099	0.032	0.068	0.8	0.05
05:10	0.115	0.032	0.084	1.0	0.06
05:15	0.125	0.032	0.093	1.1	0.07
05:20	0.134	0.032	0.103	1.2	0.08
05:25	0.150	0.032	0.119	1.4	0.09

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.032	0.148	1.7	0.10
05:35	0.061	0.032	0.029	0.7	0.10
05:40	0.029	0.029	0.000	0.2	0.10
05:45	0.019	0.019	0.000	0.1	0.10
05:50	0.016	0.016	0.000	0.0	0.10
05:55	0.010	0.010	0.000	0.0	0.10
06:00	0.006	0.006	0.000	0.0	0.10
06:05	0.000	0.000	0.000	0.0	0.10
06:10	0.000	0.000	0.000	0.0	0.10
06:15	0.000	0.000	0.000	0.0	0.10
06:20	0.000	0.000	0.000	0.0	0.10
06:25	0.000	0.000	0.000	0.0	0.10
06:30	0.000	0.000	0.000	0.0	0.10
06:35	0.000	0.000	0.000	0.0	0.10
06:40	0.000	0.000	0.000	0.0	0.10
06:45	0.000	0.000	0.000	0.0	0.10
06:50	0.000	0.000	0.000	0.0	0.10
06:55	0.000	0.000	0.000	0.0	0.10
07:00	0.000	0.000	0.000	0.0	0.10
07:05	0.000	0.000	0.000	0.0	0.10
07:10	0.000	0.000	0.000	0.0	0.10
07:15	0.000	0.000	0.000	0.0	0.10
07:20	0.000	0.000	0.000	0.0	0.10
07:25	0.000	0.000	0.000	0.0	0.10
07:30	0.000	0.000	0.000	0.0	0.10
07:35	0.000	0.000	0.000	0.0	0.10
07:40	0.000	0.000	0.000	0.0	0.10
07:45	0.000	0.000	0.000	0.0	0.10
07:50	0.000	0.000	0.000	0.0	0.10
07:55	0.000	0.000	0.000	0.0	0.10
08:00	0.000	0.000	0.000	0.0	0.10
08:05	0.000	0.000	0.000	0.0	0.10
08:10	0.000	0.000	0.000	0.0	0.10
08:15	0.000	0.000	0.000	0.0	0.10
08:20	0.000	0.000	0.000	0.0	0.10
08:25	0.000	0.000	0.000	0.0	0.10
08:30	0.000	0.000	0.000	0.0	0.10
08:35	0.000	0.000	0.000	0.0	0.10
08:40	0.000	0.000	0.000	0.0	0.10
08:45	0.000	0.000	0.000	0.0	0.10
08:50	0.000	0.000	0.000	0.0	0.10
08:55	0.000	0.000	0.000	0.0	0.10
09:00	0.000	0.000	0.000	0.0	0.10
09:05	0.000	0.000	0.000	0.0	0.10
09:10	0.000	0.000	0.000	0.0	0.10
09:15	0.000	0.000	0.000	0.0	0.10
09:20	0.000	0.000	0.000	0.0	0.10
09:25	0.000	0.000	0.000	0.0	0.10
09:30	0.000	0.000	0.000	0.0	0.10
09:35	0.000	0.000	0.000	0.0	0.10
09:40	0.000	0.000	0.000	0.0	0.10
09:45	0.000	0.000	0.000	0.0	0.10
09:50	0.000	0.000	0.000	0.0	0.10
09:55	0.000	0.000	0.000	0.0	0.10
10:00	0.000	0.000	0.000	0.0	0.10
10:05	0.000	0.000	0.000	0.0	0.10
10:10	0.000	0.000	0.000	0.0	0.10
10:15	0.000	0.000	0.000	0.0	0.10
10:20	0.000	0.000	0.000	0.0	0.10
10:25	0.000	0.000	0.000	0.0	0.10
10:30	0.000	0.000	0.000	0.0	0.10
10:35	0.000	0.000	0.000	0.0	0.10

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
00:05	0.0	0.0	0.00
00:10	0.0	0.0	0.00
00:15	0.0	0.0	0.00
00:20	3.5	3.5	0.02
00:25	14.6	14.6	0.12
00:30	29.1	29.1	0.33
00:35	42.0	42.0	0.61
00:40	56.7	56.7	1.00
00:45	68.6	68.6	1.48
00:50	77.1	77.1	2.01
00:55	83.9	83.9	2.59
01:00	90.6	90.6	3.21
01:05	98.9	98.9	3.89
01:10	107.6	107.6	4.63
01:15	115.1	115.1	5.42
01:20	122.4	122.4	6.27
01:25	130.0	130.0	7.16
01:30	136.6	136.6	8.10
01:35	142.2	142.2	9.08
01:40	146.7	146.7	10.09
01:45	150.4	150.4	11.13
01:50	153.7	153.7	12.19
01:55	156.7	156.7	13.27
02:00	161.8	161.8	14.38
02:05	167.7	167.7	15.54
02:10	174.4	174.4	16.74
02:15	182.5	182.5	17.99
02:20	192.4	192.4	19.32
02:25	204.0	204.0	20.72
02:30	213.5	213.5	22.19
02:35	223.5	223.5	23.73
02:40	233.3	233.3	25.34
02:45	244.7	244.7	27.03
02:50	258.0	258.0	28.80
02:55	271.1	271.1	30.67
03:00	284.2	284.2	32.63
03:05	297.9	297.9	34.68
03:10	316.1	316.1	36.86
03:15	335.7	335.7	39.17
03:20	355.7	355.7	41.62
03:25	377.8	377.8	44.22
03:30	406.7	406.7	47.02
03:35	444.3	444.3	50.08
03:40	485.4	485.4	53.42
03:45	529.9	529.9	57.07
03:50	579.3	579.3	61.06
03:55	632.4	632.4	65.42
04:00	685.6	685.6	70.14
04:05	739.0	739.0	75.23
04:10	795.6	795.6	80.71
04:15	856.9	856.9	86.61
04:20	922.8	922.8	92.97
04:25	991.3	991.3	99.79
04:30	1063.2	1063.2	107.12
04:35	1138.5	1138.5	114.96
04:40	1216.4	1216.4	123.33
04:45	1295.0	1295.0	132.25
04:50	1371.9	1371.9	141.70
04:55	1449.7	1449.7	151.68
05:00	1538.5	1538.5	162.28
05:05	1652.7	1652.7	173.66
05:10	1797.3	1797.3	186.04
05:15	1970.7	1970.7	199.61
05:20	2173.3	2173.3	214.58
05:25	2424.6	2424.6	231.28

Time	FLOW-COMBINE	FLOW	VOLUME
HH:MM	CFS	CFS	AC-FT
05:30	2641.6	2641.6	249.47
05:35	2727.1	2727.1	268.25
05:40	2668.0	2668.0	286.63
05:45	2518.6	2518.6	303.97
05:50	2343.2	2343.2	320.11
05:55	2078.0	2078.0	334.42
06:00	1744.0	1744.0	346.43
06:05	1434.5	1434.5	356.31
06:10	1190.3	1190.3	364.51
06:15	1008.6	1008.6	371.46
06:20	861.5	861.5	377.39
06:25	742.1	742.1	382.50
06:30	658.7	658.7	387.04
06:35	590.1	590.1	391.10
06:40	521.2	521.2	394.69
06:45	457.2	457.2	397.84
06:50	416.0	416.0	400.71
06:55	390.6	390.6	403.40
07:00	369.2	369.2	405.94
07:05	345.6	345.6	408.32
07:10	318.8	318.8	410.51
07:15	289.6	289.6	412.51
07:20	258.0	258.0	414.29
07:25	223.0	223.0	415.82
07:30	188.1	188.1	417.12
07:35	170.0	170.0	418.29
07:40	163.5	163.5	419.41
07:45	161.0	161.0	420.52
07:50	159.0	159.0	421.62
07:55	157.1	157.1	422.70
08:00	155.3	155.3	423.77
08:05	153.6	153.6	424.83
08:10	151.6	151.6	425.87
08:15	149.3	149.3	426.90
08:20	146.9	146.9	427.91
08:25	144.3	144.3	428.90
08:30	141.6	141.6	429.88
08:35	138.7	138.7	430.83
08:40	135.6	135.6	431.77
08:45	132.4	132.4	432.68
08:50	128.9	128.9	433.57
08:55	125.0	125.0	434.43
09:00	120.9	120.9	435.26
09:05	116.5	116.5	436.06
09:10	111.9	111.9	436.83
09:15	107.1	107.1	437.57
09:20	102.1	102.1	438.28
09:25	96.8	96.8	438.94
09:30	91.4	91.4	439.57
09:35	85.7	85.7	440.16
09:40	79.9	79.9	440.71
09:45	73.3	73.3	441.22
09:50	65.7	65.7	441.67
09:55	57.0	57.0	442.06
10:00	47.6	47.6	442.39
10:05	37.8	37.8	442.65
10:10	27.7	27.7	442.84
10:15	18.6	18.6	442.97
10:20	11.5	11.5	443.05
10:25	7.1	7.1	443.10
10:30	4.5	4.5	443.13
10:35	3.0	3.0	443.15

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	0.0	0.00
00:25	9.7	0.07
00:30	25.0	0.24
00:35	38.9	0.51
00:40	53.6	0.88
00:45	66.3	1.33
00:50	75.5	1.85
00:55	82.7	2.42
01:00	89.4	3.04
01:05	97.5	3.71
01:10	106.2	4.44
01:15	113.9	5.23
01:20	121.3	6.06
01:25	128.8	6.95
01:30	135.7	7.88
01:35	141.4	8.86
01:40	146.1	9.86
01:45	149.9	10.89
01:50	153.2	11.95
01:55	156.2	13.03
02:00	161.1	14.13
02:05	166.9	15.28
02:10	173.5	16.48
02:15	181.4	17.73
02:20	191.1	19.04
02:25	202.5	20.44
02:30	212.4	21.90
02:35	222.3	23.43
02:40	232.2	25.03
02:45	243.4	26.71
02:50	256.5	28.48
02:55	269.7	30.33
03:00	282.8	32.28
03:05	296.5	34.32
03:10	314.2	36.49
03:15	333.7	38.78
03:20	353.7	41.22
03:25	375.6	43.81
03:30	404.0	46.59
03:35	440.9	49.63
03:40	481.8	52.94
03:45	526.1	56.57
03:50	575.2	60.53
03:55	628.2	64.86
04:00	681.5	69.55
04:05	735.0	74.61
04:10	791.5	80.06
04:15	852.6	85.93
04:20	918.3	92.26
04:25	986.8	99.05
04:30	1058.6	106.35
04:35	1133.7	114.15
04:40	1211.6	122.50
04:45	1290.3	131.38
04:50	1367.4	140.80
04:55	1445.2	150.75
05:00	1533.6	161.32
05:05	1646.5	172.66
05:10	1789.8	184.98
05:15	1962.0	198.49
05:20	2163.5	213.39
05:25	2412.9	230.01
05:30	2631.7	248.14

Time	FLOW	VOLUME
HH:MM	CFS	AC-FT
05:35	2723.1	266.89
05:40	2670.5	285.28
05:45	2525.4	302.68
05:50	2351.4	318.87
05:55	2091.0	333.27
06:00	1761.6	345.40
06:05	1452.2	355.40
06:10	1205.3	363.71
06:15	1020.5	370.73
06:20	871.8	376.74
06:25	751.0	381.91
06:30	665.2	386.49
06:35	595.7	390.59
06:40	527.1	394.22
06:45	463.0	397.41
06:50	419.8	400.30
06:55	393.0	403.01
07:00	371.3	405.57
07:05	348.0	407.96
07:10	321.6	410.18
07:15	292.8	412.20
07:20	261.6	414.00
07:25	227.2	415.56
07:30	192.6	416.89
07:35	172.4	418.08
07:40	164.4	419.21
07:45	161.3	420.32
07:50	159.3	421.42
07:55	157.3	422.50
08:00	155.6	423.57
08:05	153.8	424.63
08:10	151.9	425.68
08:15	149.6	426.71
08:20	147.3	427.72
08:25	144.7	428.72
08:30	142.0	429.70
08:35	139.1	430.65
08:40	136.1	431.59
08:45	132.9	432.51
08:50	129.4	433.40
08:55	125.6	434.26
09:00	121.6	435.10
09:05	117.2	435.91
09:10	112.6	436.68
09:15	107.9	437.43
09:20	103.0	438.13
09:25	97.7	438.81
09:30	92.3	439.44
09:35	86.7	440.04
09:40	80.9	440.60
09:45	74.5	441.11
09:50	67.1	441.57
09:55	58.7	441.98
10:00	49.7	442.32
10:05	40.1	442.60
10:10	30.4	442.81
10:15	21.4	442.95
10:20	14.1	443.05
10:25	9.0	443.11
10:30	5.8	443.15
10:35	3.9	443.18

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.001	0.9	0.01
02:05	0.026	0.026	0.000	1.6	0.02
02:10	0.029	0.028	0.001	1.7	0.03
02:15	0.029	0.028	0.001	2.9	0.05
02:20	0.029	0.028	0.001	3.5	0.07
02:25	0.029	0.028	0.001	3.9	0.10
02:30	0.029	0.028	0.001	4.1	0.13
02:35	0.029	0.028	0.001	4.2	0.16
02:40	0.029	0.028	0.001	4.3	0.19
02:45	0.032	0.028	0.005	6.5	0.23
02:50	0.032	0.028	0.005	10.5	0.30
02:55	0.032	0.028	0.005	12.6	0.39
03:00	0.032	0.028	0.005	13.7	0.48
03:05	0.032	0.028	0.005	14.3	0.58
03:10	0.035	0.028	0.008	17.0	0.70
03:15	0.035	0.028	0.008	21.2	0.85
03:20	0.035	0.028	0.008	23.5	1.01
03:25	0.038	0.028	0.011	26.7	1.19
03:30	0.042	0.028	0.014	33.5	1.42
03:35	0.045	0.028	0.017	42.3	1.71
03:40	0.045	0.028	0.017	49.7	2.05
03:45	0.048	0.028	0.021	55.7	2.44
03:50	0.048	0.028	0.021	61.9	2.86
03:55	0.051	0.028	0.024	67.8	3.33
04:00	0.051	0.028	0.024	73.8	3.84
04:05	0.054	0.028	0.027	79.2	4.39
04:10	0.058	0.028	0.030	87.3	4.99
04:15	0.061	0.028	0.033	96.8	5.65
04:20	0.064	0.028	0.037	107.1	6.39
04:25	0.067	0.028	0.040	117.7	7.20
04:30	0.067	0.028	0.040	126.4	8.07
04:35	0.070	0.028	0.043	133.6	8.99
04:40	0.074	0.028	0.046	142.7	9.98
04:45	0.077	0.028	0.049	152.9	11.03
04:50	0.077	0.028	0.049	161.4	12.14
04:55	0.080	0.028	0.053	168.2	13.30
05:00	0.083	0.028	0.056	177.2	14.52
05:05	0.099	0.028	0.072	196.0	15.87
05:10	0.115	0.028	0.088	231.0	17.46
05:15	0.125	0.028	0.097	270.2	19.32
05:20	0.134	0.028	0.107	305.8	21.43
05:25	0.150	0.028	0.123	343.9	23.79

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.152	398.3	26.54
05:35	0.061	0.028	0.033	373.9	29.11
05:40	0.029	0.028	0.001	237.2	30.75
05:45	0.019	0.019	0.000	136.3	31.69
05:50	0.016	0.016	0.000	87.8	32.29
05:55	0.010	0.010	0.000	65.1	32.74
06:00	0.006	0.006	0.000	46.9	33.06
06:05	0.000	0.000	0.000	34.7	33.30
06:10	0.000	0.000	0.000	30.7	33.51
06:15	0.000	0.000	0.000	28.3	33.71
06:20	0.000	0.000	0.000	25.6	33.88
06:25	0.000	0.000	0.000	22.1	34.03
06:30	0.000	0.000	0.000	18.2	34.16
06:35	0.000	0.000	0.000	13.9	34.26
06:40	0.000	0.000	0.000	9.0	34.32
06:45	0.000	0.000	0.000	3.1	34.34
06:50	0.000	0.000	0.000	0.4	34.34
06:55	0.000	0.000	0.000	0.0	34.34
07:00	0.000	0.000	0.000	0.0	34.34
07:05	0.000	0.000	0.000	0.0	34.34
07:10	0.000	0.000	0.000	0.0	34.34
07:15	0.000	0.000	0.000	0.0	34.34
07:20	0.000	0.000	0.000	0.0	34.34
07:25	0.000	0.000	0.000	0.0	34.34
07:30	0.000	0.000	0.000	0.0	34.34
07:35	0.000	0.000	0.000	0.0	34.34
07:40	0.000	0.000	0.000	0.0	34.34
07:45	0.000	0.000	0.000	0.0	34.34
07:50	0.000	0.000	0.000	0.0	34.34
07:55	0.000	0.000	0.000	0.0	34.34
08:00	0.000	0.000	0.000	0.0	34.34
08:05	0.000	0.000	0.000	0.0	34.34
08:10	0.000	0.000	0.000	0.0	34.34
08:15	0.000	0.000	0.000	0.0	34.34
08:20	0.000	0.000	0.000	0.0	34.34
08:25	0.000	0.000	0.000	0.0	34.34
08:30	0.000	0.000	0.000	0.0	34.34
08:35	0.000	0.000	0.000	0.0	34.34
08:40	0.000	0.000	0.000	0.0	34.34
08:45	0.000	0.000	0.000	0.0	34.34
08:50	0.000	0.000	0.000	0.0	34.34
08:55	0.000	0.000	0.000	0.0	34.34
09:00	0.000	0.000	0.000	0.0	34.34
09:05	0.000	0.000	0.000	0.0	34.34
09:10	0.000	0.000	0.000	0.0	34.34
09:15	0.000	0.000	0.000	0.0	34.34
09:20	0.000	0.000	0.000	0.0	34.34
09:25	0.000	0.000	0.000	0.0	34.34
09:30	0.000	0.000	0.000	0.0	34.34
09:35	0.000	0.000	0.000	0.0	34.34
09:40	0.000	0.000	0.000	0.0	34.34
09:45	0.000	0.000	0.000	0.0	34.34
09:50	0.000	0.000	0.000	0.0	34.34
09:55	0.000	0.000	0.000	0.0	34.34
10:00	0.000	0.000	0.000	0.0	34.34
10:05	0.000	0.000	0.000	0.0	34.34
10:10	0.000	0.000	0.000	0.0	34.34
10:15	0.000	0.000	0.000	0.0	34.34
10:20	0.000	0.000	0.000	0.0	34.34
10:25	0.000	0.000	0.000	0.0	34.34
10:30	0.000	0.000	0.000	0.0	34.34
10:35	0.000	0.000	0.000	0.0	34.34

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.1	0.00
00:10	0.019	0.002	0.017	0.5	0.00
00:15	0.019	0.002	0.017	0.8	0.01
00:20	0.019	0.002	0.017	1.0	0.02
00:25	0.019	0.002	0.017	1.1	0.02
00:30	0.022	0.002	0.020	1.2	0.03
00:35	0.022	0.002	0.020	1.3	0.04
00:40	0.022	0.002	0.020	1.4	0.05
00:45	0.022	0.002	0.020	1.5	0.06
00:50	0.022	0.002	0.020	1.5	0.07
00:55	0.022	0.002	0.020	1.5	0.08
01:00	0.026	0.002	0.023	1.6	0.09
01:05	0.026	0.002	0.023	1.7	0.11
01:10	0.026	0.002	0.023	1.8	0.12
01:15	0.026	0.002	0.023	1.8	0.13
01:20	0.026	0.002	0.023	1.9	0.14
01:25	0.026	0.002	0.023	1.9	0.16
01:30	0.026	0.002	0.023	1.9	0.17
01:35	0.026	0.002	0.023	1.9	0.18
01:40	0.026	0.002	0.023	1.9	0.20
01:45	0.026	0.002	0.023	1.9	0.21
01:50	0.026	0.002	0.023	2.0	0.22
01:55	0.026	0.002	0.023	2.0	0.24
02:00	0.029	0.002	0.026	2.0	0.25
02:05	0.026	0.002	0.023	2.0	0.26
02:10	0.029	0.002	0.026	2.1	0.28
02:15	0.029	0.002	0.026	2.1	0.29
02:20	0.029	0.002	0.026	2.2	0.31
02:25	0.029	0.002	0.026	2.2	0.32
02:30	0.029	0.002	0.026	2.2	0.34
02:35	0.029	0.002	0.026	2.2	0.35
02:40	0.029	0.002	0.026	2.2	0.37
02:45	0.032	0.002	0.030	2.3	0.38
02:50	0.032	0.002	0.030	2.3	0.40
02:55	0.032	0.002	0.030	2.4	0.42
03:00	0.032	0.002	0.030	2.4	0.43
03:05	0.032	0.002	0.030	2.4	0.45
03:10	0.035	0.002	0.033	2.5	0.47
03:15	0.035	0.002	0.033	2.6	0.48
03:20	0.035	0.002	0.033	2.7	0.50
03:25	0.038	0.002	0.036	2.7	0.52
03:30	0.042	0.002	0.039	2.8	0.54
03:35	0.045	0.002	0.042	3.0	0.56
03:40	0.045	0.002	0.042	3.2	0.58
03:45	0.048	0.002	0.046	3.4	0.61
03:50	0.048	0.002	0.046	3.5	0.63
03:55	0.051	0.002	0.049	3.6	0.66
04:00	0.051	0.002	0.049	3.8	0.68
04:05	0.054	0.002	0.052	3.9	0.71
04:10	0.058	0.002	0.055	4.1	0.74
04:15	0.061	0.002	0.058	4.3	0.77
04:20	0.064	0.002	0.062	4.5	0.80
04:25	0.067	0.002	0.065	4.7	0.83
04:30	0.067	0.002	0.065	5.0	0.87
04:35	0.070	0.002	0.068	5.1	0.90
04:40	0.074	0.002	0.071	5.3	0.94
04:45	0.077	0.002	0.074	5.6	0.98
04:50	0.077	0.002	0.074	5.8	1.02
04:55	0.080	0.002	0.078	6.0	1.06
05:00	0.083	0.002	0.081	6.2	1.10
05:05	0.099	0.002	0.097	6.5	1.14
05:10	0.115	0.002	0.113	7.2	1.19
05:15	0.125	0.002	0.122	8.0	1.25
05:20	0.134	0.002	0.132	8.9	1.31
05:25	0.150	0.002	0.148	9.7	1.38

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	10.8	1.45
05:35	0.061	0.002	0.058	10.8	1.53
05:40	0.029	0.002	0.026	8.8	1.59
05:45	0.019	0.002	0.017	6.1	1.63
05:50	0.016	0.002	0.014	4.5	1.66
05:55	0.010	0.002	0.007	3.5	1.68
06:00	0.006	0.002	0.004	2.7	1.70
06:05	0.000	0.000	0.000	2.1	1.72
06:10	0.000	0.000	0.000	1.5	1.73
06:15	0.000	0.000	0.000	1.2	1.73
06:20	0.000	0.000	0.000	1.0	1.74
06:25	0.000	0.000	0.000	0.9	1.75
06:30	0.000	0.000	0.000	0.8	1.75
06:35	0.000	0.000	0.000	0.7	1.76
06:40	0.000	0.000	0.000	0.7	1.76
06:45	0.000	0.000	0.000	0.6	1.77
06:50	0.000	0.000	0.000	0.5	1.77
06:55	0.000	0.000	0.000	0.4	1.77
07:00	0.000	0.000	0.000	0.3	1.77
07:05	0.000	0.000	0.000	0.1	1.78
07:10	0.000	0.000	0.000	0.1	1.78
07:15	0.000	0.000	0.000	0.0	1.78
07:20	0.000	0.000	0.000	0.0	1.78
07:25	0.000	0.000	0.000	0.0	1.78
07:30	0.000	0.000	0.000	0.0	1.78
07:35	0.000	0.000	0.000	0.0	1.78
07:40	0.000	0.000	0.000	0.0	1.78
07:45	0.000	0.000	0.000	0.0	1.78
07:50	0.000	0.000	0.000	0.0	1.78
07:55	0.000	0.000	0.000	0.0	1.78
08:00	0.000	0.000	0.000	0.0	1.78
08:05	0.000	0.000	0.000	0.0	1.78
08:10	0.000	0.000	0.000	0.0	1.78
08:15	0.000	0.000	0.000	0.0	1.78
08:20	0.000	0.000	0.000	0.0	1.78
08:25	0.000	0.000	0.000	0.0	1.78
08:30	0.000	0.000	0.000	0.0	1.78
08:35	0.000	0.000	0.000	0.0	1.78
08:40	0.000	0.000	0.000	0.0	1.78
08:45	0.000	0.000	0.000	0.0	1.78
08:50	0.000	0.000	0.000	0.0	1.78
08:55	0.000	0.000	0.000	0.0	1.78
09:00	0.000	0.000	0.000	0.0	1.78
09:05	0.000	0.000	0.000	0.0	1.78
09:10	0.000	0.000	0.000	0.0	1.78
09:15	0.000	0.000	0.000	0.0	1.78
09:20	0.000	0.000	0.000	0.0	1.78
09:25	0.000	0.000	0.000	0.0	1.78
09:30	0.000	0.000	0.000	0.0	1.78
09:35	0.000	0.000	0.000	0.0	1.78
09:40	0.000	0.000	0.000	0.0	1.78
09:45	0.000	0.000	0.000	0.0	1.78
09:50	0.000	0.000	0.000	0.0	1.78
09:55	0.000	0.000	0.000	0.0	1.78
10:00	0.000	0.000	0.000	0.0	1.78
10:05	0.000	0.000	0.000	0.0	1.78
10:10	0.000	0.000	0.000	0.0	1.78
10:15	0.000	0.000	0.000	0.0	1.78
10:20	0.000	0.000	0.000	0.0	1.78
10:25	0.000	0.000	0.000	0.0	1.78
10:30	0.000	0.000	0.000	0.0	1.78
10:35	0.000	0.000	0.000	0.0	1.78

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.028	0.001	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.028	0.001	0.1	0.00
02:15	0.029	0.028	0.001	0.1	0.00
02:20	0.029	0.028	0.001	0.1	0.00
02:25	0.029	0.028	0.001	0.1	0.00
02:30	0.029	0.028	0.001	0.1	0.00
02:35	0.029	0.028	0.001	0.1	0.00
02:40	0.029	0.028	0.001	0.1	0.00
02:45	0.032	0.028	0.005	0.2	0.01
02:50	0.032	0.028	0.005	0.2	0.01
02:55	0.032	0.028	0.005	0.3	0.01
03:00	0.032	0.028	0.005	0.3	0.01
03:05	0.032	0.028	0.005	0.3	0.01
03:10	0.035	0.028	0.008	0.4	0.02
03:15	0.035	0.028	0.008	0.4	0.02
03:20	0.035	0.028	0.008	0.5	0.02
03:25	0.038	0.028	0.011	0.6	0.03
03:30	0.042	0.028	0.014	0.8	0.03
03:35	0.045	0.028	0.017	0.9	0.04
03:40	0.045	0.028	0.017	1.0	0.04
03:45	0.048	0.028	0.021	1.2	0.05
03:50	0.048	0.028	0.021	1.2	0.06
03:55	0.051	0.028	0.024	1.4	0.07
04:00	0.051	0.028	0.024	1.4	0.08
04:05	0.054	0.028	0.027	1.6	0.09
04:10	0.058	0.028	0.030	1.7	0.10
04:15	0.061	0.028	0.033	1.9	0.12
04:20	0.064	0.028	0.037	2.1	0.13
04:25	0.067	0.028	0.040	2.3	0.15
04:30	0.067	0.028	0.040	2.4	0.16
04:35	0.070	0.028	0.043	2.5	0.18
04:40	0.074	0.028	0.046	2.7	0.20
04:45	0.077	0.028	0.049	2.9	0.22
04:50	0.077	0.028	0.049	3.0	0.24
04:55	0.080	0.028	0.053	3.1	0.26
05:00	0.083	0.028	0.056	3.3	0.28
05:05	0.099	0.028	0.072	4.0	0.31
05:10	0.115	0.028	0.088	4.8	0.34
05:15	0.125	0.028	0.097	5.5	0.38
05:20	0.134	0.028	0.107	6.1	0.42
05:25	0.150	0.028	0.123	7.0	0.47

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.028	0.152	8.4	0.53
05:35	0.061	0.028	0.033	4.4	0.56
05:40	0.029	0.028	0.001	1.9	0.57
05:45	0.019	0.019	0.000	0.9	0.58
05:50	0.016	0.016	0.000	0.6	0.58
05:55	0.010	0.010	0.000	0.4	0.59
06:00	0.006	0.006	0.000	0.2	0.59
06:05	0.000	0.000	0.000	0.0	0.59
06:10	0.000	0.000	0.000	0.0	0.59
06:15	0.000	0.000	0.000	0.0	0.59
06:20	0.000	0.000	0.000	0.0	0.59
06:25	0.000	0.000	0.000	0.0	0.59
06:30	0.000	0.000	0.000	0.0	0.59
06:35	0.000	0.000	0.000	0.0	0.59
06:40	0.000	0.000	0.000	0.0	0.59
06:45	0.000	0.000	0.000	0.0	0.59
06:50	0.000	0.000	0.000	0.0	0.59
06:55	0.000	0.000	0.000	0.0	0.59
07:00	0.000	0.000	0.000	0.0	0.59
07:05	0.000	0.000	0.000	0.0	0.59
07:10	0.000	0.000	0.000	0.0	0.59
07:15	0.000	0.000	0.000	0.0	0.59
07:20	0.000	0.000	0.000	0.0	0.59
07:25	0.000	0.000	0.000	0.0	0.59
07:30	0.000	0.000	0.000	0.0	0.59
07:35	0.000	0.000	0.000	0.0	0.59
07:40	0.000	0.000	0.000	0.0	0.59
07:45	0.000	0.000	0.000	0.0	0.59
07:50	0.000	0.000	0.000	0.0	0.59
07:55	0.000	0.000	0.000	0.0	0.59
08:00	0.000	0.000	0.000	0.0	0.59
08:05	0.000	0.000	0.000	0.0	0.59
08:10	0.000	0.000	0.000	0.0	0.59
08:15	0.000	0.000	0.000	0.0	0.59
08:20	0.000	0.000	0.000	0.0	0.59
08:25	0.000	0.000	0.000	0.0	0.59
08:30	0.000	0.000	0.000	0.0	0.59
08:35	0.000	0.000	0.000	0.0	0.59
08:40	0.000	0.000	0.000	0.0	0.59
08:45	0.000	0.000	0.000	0.0	0.59
08:50	0.000	0.000	0.000	0.0	0.59
08:55	0.000	0.000	0.000	0.0	0.59
09:00	0.000	0.000	0.000	0.0	0.59
09:05	0.000	0.000	0.000	0.0	0.59
09:10	0.000	0.000	0.000	0.0	0.59
09:15	0.000	0.000	0.000	0.0	0.59
09:20	0.000	0.000	0.000	0.0	0.59
09:25	0.000	0.000	0.000	0.0	0.59
09:30	0.000	0.000	0.000	0.0	0.59
09:35	0.000	0.000	0.000	0.0	0.59
09:40	0.000	0.000	0.000	0.0	0.59
09:45	0.000	0.000	0.000	0.0	0.59
09:50	0.000	0.000	0.000	0.0	0.59
09:55	0.000	0.000	0.000	0.0	0.59
10:00	0.000	0.000	0.000	0.0	0.59
10:05	0.000	0.000	0.000	0.0	0.59
10:10	0.000	0.000	0.000	0.0	0.59
10:15	0.000	0.000	0.000	0.0	0.59
10:20	0.000	0.000	0.000	0.0	0.59
10:25	0.000	0.000	0.000	0.0	0.59
10:30	0.000	0.000	0.000	0.0	0.59
10:35	0.000	0.000	0.000	0.0	0.59

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.002	0.014	0.4	0.00
00:10	0.019	0.002	0.017	0.7	0.01
00:15	0.019	0.002	0.017	0.9	0.01
00:20	0.019	0.002	0.017	0.9	0.02
00:25	0.019	0.002	0.017	0.9	0.03
00:30	0.022	0.002	0.020	1.1	0.03
00:35	0.022	0.002	0.020	1.1	0.04
00:40	0.022	0.002	0.020	1.2	0.05
00:45	0.022	0.002	0.020	1.2	0.06
00:50	0.022	0.002	0.020	1.2	0.07
00:55	0.022	0.002	0.020	1.2	0.07
01:00	0.026	0.002	0.023	1.3	0.08
01:05	0.026	0.002	0.023	1.3	0.09
01:10	0.026	0.002	0.023	1.4	0.10
01:15	0.026	0.002	0.023	1.4	0.11
01:20	0.026	0.002	0.023	1.4	0.12
01:25	0.026	0.002	0.023	1.4	0.13
01:30	0.026	0.002	0.023	1.4	0.14
01:35	0.026	0.002	0.023	1.4	0.15
01:40	0.026	0.002	0.023	1.4	0.16
01:45	0.026	0.002	0.023	1.4	0.17
01:50	0.026	0.002	0.023	1.4	0.18
01:55	0.026	0.002	0.023	1.4	0.19
02:00	0.029	0.002	0.027	1.5	0.20
02:05	0.026	0.002	0.023	1.4	0.21
02:10	0.029	0.002	0.027	1.5	0.22
02:15	0.029	0.002	0.027	1.5	0.23
02:20	0.029	0.002	0.027	1.5	0.24
02:25	0.029	0.002	0.027	1.6	0.25
02:30	0.029	0.002	0.027	1.6	0.26
02:35	0.029	0.002	0.027	1.6	0.27
02:40	0.029	0.002	0.027	1.6	0.28
02:45	0.032	0.002	0.030	1.7	0.29
02:50	0.032	0.002	0.030	1.7	0.30
02:55	0.032	0.002	0.030	1.7	0.32
03:00	0.032	0.002	0.030	1.7	0.33
03:05	0.032	0.002	0.030	1.7	0.34
03:10	0.035	0.002	0.033	1.8	0.35
03:15	0.035	0.002	0.033	1.9	0.37
03:20	0.035	0.002	0.033	1.9	0.38
03:25	0.038	0.002	0.036	2.0	0.39
03:30	0.042	0.002	0.039	2.2	0.41
03:35	0.045	0.002	0.043	2.3	0.42
03:40	0.045	0.002	0.043	2.4	0.44
03:45	0.048	0.002	0.046	2.6	0.46
03:50	0.048	0.002	0.046	2.6	0.48
03:55	0.051	0.002	0.049	2.8	0.49
04:00	0.051	0.002	0.049	2.8	0.51
04:05	0.054	0.002	0.052	2.9	0.53
04:10	0.058	0.002	0.055	3.1	0.56
04:15	0.061	0.002	0.059	3.3	0.58
04:20	0.064	0.002	0.062	3.5	0.60
04:25	0.067	0.002	0.065	3.6	0.63
04:30	0.067	0.002	0.065	3.7	0.65
04:35	0.070	0.002	0.068	3.9	0.68
04:40	0.074	0.002	0.071	4.0	0.71
04:45	0.077	0.002	0.075	4.2	0.74
04:50	0.077	0.002	0.075	4.3	0.77
04:55	0.080	0.002	0.078	4.4	0.80
05:00	0.083	0.002	0.081	4.6	0.83
05:05	0.099	0.002	0.097	5.2	0.86
05:10	0.115	0.002	0.113	6.0	0.91
05:15	0.125	0.002	0.123	6.6	0.95
05:20	0.134	0.002	0.132	7.2	1.00
05:25	0.150	0.002	0.148	8.0	1.06

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.002	0.177	9.2	1.12
05:35	0.061	0.002	0.059	6.1	1.16
05:40	0.029	0.002	0.027	3.5	1.19
05:45	0.019	0.002	0.017	2.2	1.20
05:50	0.016	0.002	0.014	1.7	1.21
05:55	0.010	0.002	0.007	1.2	1.22
06:00	0.006	0.002	0.004	0.8	1.23
06:05	0.000	0.000	0.000	0.4	1.23
06:10	0.000	0.000	0.000	0.2	1.23
06:15	0.000	0.000	0.000	0.1	1.23
06:20	0.000	0.000	0.000	0.0	1.23
06:25	0.000	0.000	0.000	0.0	1.23
06:30	0.000	0.000	0.000	0.0	1.23
06:35	0.000	0.000	0.000	0.0	1.23
06:40	0.000	0.000	0.000	0.0	1.23
06:45	0.000	0.000	0.000	0.0	1.23
06:50	0.000	0.000	0.000	0.0	1.23
06:55	0.000	0.000	0.000	0.0	1.23
07:00	0.000	0.000	0.000	0.0	1.23
07:05	0.000	0.000	0.000	0.0	1.23
07:10	0.000	0.000	0.000	0.0	1.23
07:15	0.000	0.000	0.000	0.0	1.23
07:20	0.000	0.000	0.000	0.0	1.23
07:25	0.000	0.000	0.000	0.0	1.23
07:30	0.000	0.000	0.000	0.0	1.23
07:35	0.000	0.000	0.000	0.0	1.23
07:40	0.000	0.000	0.000	0.0	1.23
07:45	0.000	0.000	0.000	0.0	1.23
07:50	0.000	0.000	0.000	0.0	1.23
07:55	0.000	0.000	0.000	0.0	1.23
08:00	0.000	0.000	0.000	0.0	1.23
08:05	0.000	0.000	0.000	0.0	1.23
08:10	0.000	0.000	0.000	0.0	1.23
08:15	0.000	0.000	0.000	0.0	1.23
08:20	0.000	0.000	0.000	0.0	1.23
08:25	0.000	0.000	0.000	0.0	1.23
08:30	0.000	0.000	0.000	0.0	1.23
08:35	0.000	0.000	0.000	0.0	1.23
08:40	0.000	0.000	0.000	0.0	1.23
08:45	0.000	0.000	0.000	0.0	1.23
08:50	0.000	0.000	0.000	0.0	1.23
08:55	0.000	0.000	0.000	0.0	1.23
09:00	0.000	0.000	0.000	0.0	1.23
09:05	0.000	0.000	0.000	0.0	1.23
09:10	0.000	0.000	0.000	0.0	1.23
09:15	0.000	0.000	0.000	0.0	1.23
09:20	0.000	0.000	0.000	0.0	1.23
09:25	0.000	0.000	0.000	0.0	1.23
09:30	0.000	0.000	0.000	0.0	1.23
09:35	0.000	0.000	0.000	0.0	1.23
09:40	0.000	0.000	0.000	0.0	1.23
09:45	0.000	0.000	0.000	0.0	1.23
09:50	0.000	0.000	0.000	0.0	1.23
09:55	0.000	0.000	0.000	0.0	1.23
10:00	0.000	0.000	0.000	0.0	1.23
10:05	0.000	0.000	0.000	0.0	1.23
10:10	0.000	0.000	0.000	0.0	1.23
10:15	0.000	0.000	0.000	0.0	1.23
10:20	0.000	0.000	0.000	0.0	1.23
10:25	0.000	0.000	0.000	0.0	1.23
10:30	0.000	0.000	0.000	0.0	1.23
10:35	0.000	0.000	0.000	0.0	1.23

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.00	0.7	0.6	0.00	0.00
00:10	0.01	0.7	1.2	0.01	0.01
00:15	0.03	0.7	1.7	0.02	0.02
00:20	0.04	0.7	1.9	0.03	0.04
00:25	0.06	0.7	2.0	0.04	0.05
00:30	0.08	0.7	2.3	0.06	0.07
00:35	0.11	0.7	2.5	0.08	0.08
00:40	0.13	0.7	2.6	0.09	0.10
00:45	0.16	0.7	2.7	0.11	0.12
00:50	0.18	0.7	2.7	0.13	0.14
00:55	0.21	0.7	2.7	0.15	0.16
01:00	0.24	0.7	2.9	0.17	0.18
01:05	0.27	0.7	3.0	0.19	0.20
01:10	0.30	0.7	3.1	0.21	0.22
01:15	0.33	0.7	3.2	0.23	0.24
01:20	0.36	0.7	3.2	0.25	0.26
01:25	0.39	0.7	3.2	0.27	0.29
01:30	0.42	0.7	3.3	0.30	0.31
01:35	0.46	0.7	3.3	0.32	0.33
01:40	0.49	0.7	3.3	0.34	0.35
01:45	0.52	0.7	3.3	0.37	0.38
01:50	0.55	0.7	3.3	0.39	0.40
01:55	0.59	0.7	3.3	0.41	0.42
02:00	0.62	0.7	3.5	0.43	0.45
02:05	0.65	0.7	3.5	0.46	0.47
02:10	0.69	0.7	3.6	0.48	0.50
02:15	0.72	0.7	3.7	0.51	0.52
02:20	0.76	0.7	3.8	0.53	0.55
02:25	0.80	0.7	3.8	0.56	0.57
02:30	0.84	0.7	3.8	0.59	0.60
02:35	0.87	0.7	3.8	0.61	0.63
02:40	0.91	0.7	3.9	0.64	0.65
02:45	0.95	0.7	4.1	0.67	0.68
02:50	0.99	0.7	4.3	0.70	0.71
02:55	1.03	0.7	4.4	0.73	0.74
03:00	1.07	0.7	4.4	0.76	0.77
03:05	1.11	0.7	4.5	0.79	0.80
03:10	1.15	0.7	4.7	0.82	0.83
03:15	1.20	0.7	4.9	0.85	0.87
03:20	1.24	0.7	5.0	0.89	0.90
03:25	1.29	0.8	5.3	0.92	0.94
03:30	1.34	0.8	5.8	0.96	0.98
03:35	1.39	0.8	6.3	1.00	1.02
03:40	1.45	0.8	6.6	1.05	1.07
03:45	1.51	0.8	7.1	1.09	1.12
03:50	1.58	0.8	7.3	1.14	1.17
03:55	1.64	0.8	7.8	1.19	1.22
04:00	1.71	0.8	8.0	1.25	1.28
04:05	1.79	0.8	8.4	1.31	1.33
04:10	1.87	0.8	8.9	1.37	1.40
04:15	1.95	0.8	9.5	1.43	1.46
04:20	2.03	0.8	10.1	1.50	1.53
04:25	2.12	0.8	10.7	1.57	1.60
04:30	2.21	0.8	11.1	1.64	1.68
04:35	2.30	0.8	11.5	1.72	1.76
04:40	2.40	0.8	12.1	1.80	1.84
04:45	2.50	0.8	12.7	1.89	1.93
04:50	2.61	0.8	13.1	1.98	2.02
04:55	2.72	0.9	13.5	2.07	2.11
05:00	2.83	0.9	14.1	2.16	2.21
05:05	2.95	0.9	15.7	2.27	2.32
05:10	3.08	0.9	18.0	2.38	2.44
05:15	3.22	0.9	20.2	2.50	2.58
05:20	3.35	0.9	22.2	2.62	2.73
05:25	3.48	0.9	24.6	2.74	2.90

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.61	0.9	28.4	2.85	3.10
05:35	3.70	0.9	21.3	2.94	3.25
05:40	3.72	0.9	14.1	2.96	3.34
05:45	3.70	0.9	9.3	2.94	3.41
05:50	3.66	0.9	6.8	2.90	3.46
05:55	3.61	0.9	5.1	2.86	3.49
06:00	3.56	0.9	3.7	2.82	3.52
06:05	3.52	0.9	2.5	2.77	3.53
06:10	3.47	0.9	1.7	2.73	3.54
06:15	3.43	0.9	1.3	2.69	3.55
06:20	3.39	0.9	1.1	2.66	3.56
06:25	3.35	0.9	0.9	2.63	3.57
06:30	3.32	0.9	0.8	2.60	3.57
06:35	3.30	0.9	0.7	2.58	3.58
06:40	3.28	0.9	0.7	2.55	3.58
06:45	3.26	0.9	0.6	2.54	3.59
06:50	3.24	0.9	0.5	2.52	3.59
06:55	3.22	0.9	0.4	2.50	3.59
07:00	3.21	0.9	0.3	2.49	3.59
07:05	3.19	0.9	0.1	2.48	3.59
07:10	3.18	0.9	0.1	2.46	3.59
07:15	3.16	0.9	0.0	2.45	3.60
07:20	3.15	0.9	0.0	2.44	3.60
07:25	3.14	0.9	0.0	2.43	3.60
07:30	3.13	0.9	0.0	2.43	3.60
07:35	3.13	0.9	0.0	2.42	3.60
07:40	3.12	0.9	0.0	2.41	3.60
07:45	3.11	0.9	0.0	2.40	3.60
07:50	3.10	0.9	0.0	2.40	3.60
07:55	3.10	0.9	0.0	2.39	3.60
08:00	3.09	0.9	0.0	2.39	3.60
08:05	3.09	0.9	0.0	2.38	3.60
08:10	3.08	0.9	0.0	2.38	3.60
08:15	3.08	0.9	0.0	2.38	3.60
08:20	3.08	0.9	0.0	2.37	3.60
08:25	3.07	0.9	0.0	2.37	3.60
08:30	3.07	0.9	0.0	2.37	3.60
08:35	3.07	0.9	0.0	2.36	3.60
08:40	3.06	0.9	0.0	2.36	3.60
08:45	3.06	0.9	0.0	2.36	3.60
08:50	3.06	0.9	0.0	2.36	3.60
08:55	3.05	0.9	0.0	2.35	3.60
09:00	3.05	0.9	0.0	2.35	3.60
09:05	3.05	0.9	0.0	2.35	3.60
09:10	3.05	0.9	0.0	2.35	3.60
09:15	3.05	0.9	0.0	2.35	3.60
09:20	3.04	0.9	0.0	2.34	3.60
09:25	3.04	0.9	0.0	2.34	3.60
09:30	3.04	0.9	0.0	2.34	3.60
09:35	3.04	0.9	0.0	2.34	3.60
09:40	3.04	0.9	0.0	2.34	3.60
09:45	3.04	0.9	0.0	2.34	3.60
09:50	3.04	0.9	0.0	2.34	3.60
09:55	3.03	0.9	0.0	2.34	3.60
10:00	3.03	0.9	0.0	2.33	3.60
10:05	3.03	0.9	0.0	2.33	3.60
10:10	3.03	0.9	0.0	2.33	3.60
10:15	3.03	0.9	0.0	2.33	3.60
10:20	3.03	0.9	0.0	2.33	3.60
10:25	3.03	0.9	0.0	2.33	3.60
10:30	3.03	0.9	0.0	2.33	3.60
10:35	3.03	0.9	0.0	2.33	3.60

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	0.8	0.01
00:10	0.019	0.008	0.012	1.3	0.01
00:15	0.019	0.008	0.012	1.4	0.02
00:20	0.019	0.008	0.012	1.4	0.03
00:25	0.019	0.008	0.012	1.5	0.04
00:30	0.022	0.008	0.015	1.8	0.06
00:35	0.022	0.008	0.015	1.8	0.07
00:40	0.022	0.008	0.015	1.9	0.08
00:45	0.022	0.008	0.015	1.9	0.09
00:50	0.022	0.008	0.015	1.9	0.11
00:55	0.022	0.008	0.015	1.9	0.12
01:00	0.026	0.008	0.018	2.2	0.14
01:05	0.026	0.008	0.018	2.2	0.15
01:10	0.026	0.008	0.018	2.3	0.17
01:15	0.026	0.008	0.018	2.3	0.18
01:20	0.026	0.008	0.018	2.3	0.20
01:25	0.026	0.008	0.018	2.3	0.21
01:30	0.026	0.008	0.018	2.3	0.23
01:35	0.026	0.008	0.018	2.3	0.25
01:40	0.026	0.008	0.018	2.3	0.26
01:45	0.026	0.008	0.018	2.3	0.28
01:50	0.026	0.008	0.018	2.3	0.29
01:55	0.026	0.008	0.018	2.3	0.31
02:00	0.029	0.008	0.021	2.6	0.33
02:05	0.026	0.008	0.018	2.3	0.34
02:10	0.029	0.008	0.021	2.6	0.36
02:15	0.029	0.008	0.021	2.7	0.38
02:20	0.029	0.008	0.021	2.7	0.40
02:25	0.029	0.008	0.021	2.7	0.42
02:30	0.029	0.008	0.021	2.7	0.43
02:35	0.029	0.008	0.021	2.7	0.45
02:40	0.029	0.008	0.021	2.7	0.47
02:45	0.032	0.008	0.025	3.0	0.49
02:50	0.032	0.008	0.025	3.1	0.51
02:55	0.032	0.008	0.025	3.1	0.53
03:00	0.032	0.008	0.025	3.1	0.55
03:05	0.032	0.008	0.025	3.1	0.58
03:10	0.035	0.008	0.028	3.4	0.60
03:15	0.035	0.008	0.028	3.5	0.62
03:20	0.035	0.008	0.028	3.5	0.65
03:25	0.038	0.008	0.031	3.8	0.67
03:30	0.042	0.008	0.034	4.2	0.70
03:35	0.045	0.008	0.037	4.5	0.73
03:40	0.045	0.008	0.037	4.6	0.77
03:45	0.048	0.008	0.041	5.0	0.80
03:50	0.048	0.008	0.041	5.1	0.83
03:55	0.051	0.008	0.044	5.4	0.87
04:00	0.051	0.008	0.044	5.5	0.91
04:05	0.054	0.008	0.047	5.8	0.95
04:10	0.058	0.008	0.050	6.2	0.99
04:15	0.061	0.008	0.053	6.6	1.04
04:20	0.064	0.008	0.057	7.0	1.09
04:25	0.067	0.008	0.060	7.4	1.14
04:30	0.067	0.008	0.060	7.5	1.19
04:35	0.070	0.008	0.063	7.8	1.24
04:40	0.074	0.008	0.066	8.2	1.30
04:45	0.077	0.008	0.069	8.6	1.36
04:50	0.077	0.008	0.069	8.7	1.42
04:55	0.080	0.008	0.073	9.0	1.48
05:00	0.083	0.008	0.076	9.4	1.54
05:05	0.099	0.008	0.092	11.0	1.62
05:10	0.115	0.008	0.108	12.9	1.71
05:15	0.125	0.008	0.117	14.2	1.81
05:20	0.134	0.008	0.127	15.5	1.91
05:25	0.150	0.008	0.143	17.3	2.03

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	20.5	2.17
05:35	0.061	0.008	0.053	10.0	2.24
05:40	0.029	0.008	0.021	4.9	2.28
05:45	0.019	0.008	0.012	2.9	2.30
05:50	0.016	0.008	0.009	1.7	2.31
05:55	0.010	0.005	0.005	0.9	2.31
06:00	0.006	0.003	0.003	0.5	2.32
06:05	0.000	0.000	0.000	0.2	2.32
06:10	0.000	0.000	0.000	0.1	2.32
06:15	0.000	0.000	0.000	0.0	2.32
06:20	0.000	0.000	0.000	0.0	2.32
06:25	0.000	0.000	0.000	0.0	2.32
06:30	0.000	0.000	0.000	0.0	2.32
06:35	0.000	0.000	0.000	0.0	2.32
06:40	0.000	0.000	0.000	0.0	2.32
06:45	0.000	0.000	0.000	0.0	2.32
06:50	0.000	0.000	0.000	0.0	2.32
06:55	0.000	0.000	0.000	0.0	2.32
07:00	0.000	0.000	0.000	0.0	2.32
07:05	0.000	0.000	0.000	0.0	2.32
07:10	0.000	0.000	0.000	0.0	2.32
07:15	0.000	0.000	0.000	0.0	2.32
07:20	0.000	0.000	0.000	0.0	2.32
07:25	0.000	0.000	0.000	0.0	2.32
07:30	0.000	0.000	0.000	0.0	2.32
07:35	0.000	0.000	0.000	0.0	2.32
07:40	0.000	0.000	0.000	0.0	2.32
07:45	0.000	0.000	0.000	0.0	2.32
07:50	0.000	0.000	0.000	0.0	2.32
07:55	0.000	0.000	0.000	0.0	2.32
08:00	0.000	0.000	0.000	0.0	2.32
08:05	0.000	0.000	0.000	0.0	2.32
08:10	0.000	0.000	0.000	0.0	2.32
08:15	0.000	0.000	0.000	0.0	2.32
08:20	0.000	0.000	0.000	0.0	2.32
08:25	0.000	0.000	0.000	0.0	2.32
08:30	0.000	0.000	0.000	0.0	2.32
08:35	0.000	0.000	0.000	0.0	2.32
08:40	0.000	0.000	0.000	0.0	2.32
08:45	0.000	0.000	0.000	0.0	2.32
08:50	0.000	0.000	0.000	0.0	2.32
08:55	0.000	0.000	0.000	0.0	2.32
09:00	0.000	0.000	0.000	0.0	2.32
09:05	0.000	0.000	0.000	0.0	2.32
09:10	0.000	0.000	0.000	0.0	2.32
09:15	0.000	0.000	0.000	0.0	2.32
09:20	0.000	0.000	0.000	0.0	2.32
09:25	0.000	0.000	0.000	0.0	2.32
09:30	0.000	0.000	0.000	0.0	2.32
09:35	0.000	0.000	0.000	0.0	2.32
09:40	0.000	0.000	0.000	0.0	2.32
09:45	0.000	0.000	0.000	0.0	2.32
09:50	0.000	0.000	0.000	0.0	2.32
09:55	0.000	0.000	0.000	0.0	2.32
10:00	0.000	0.000	0.000	0.0	2.32
10:05	0.000	0.000	0.000	0.0	2.32
10:10	0.000	0.000	0.000	0.0	2.32
10:15	0.000	0.000	0.000	0.0	2.32
10:20	0.000	0.000	0.000	0.0	2.32
10:25	0.000	0.000	0.000	0.0	2.32
10:30	0.000	0.000	0.000	0.0	2.32
10:35	0.000	0.000	0.000	0.0	2.32

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.4	0.8	0.00	0.01
00:10	0.02	0.4	1.3	0.01	0.01
00:15	0.05	0.4	1.4	0.02	0.02
00:20	0.07	0.4	1.4	0.03	0.03
00:25	0.10	0.4	1.5	0.04	0.04
00:30	0.13	0.4	1.8	0.05	0.06
00:35	0.16	0.4	1.8	0.06	0.07
00:40	0.19	0.4	1.9	0.08	0.08
00:45	0.22	0.4	1.9	0.09	0.09
00:50	0.25	0.4	1.9	0.10	0.11
00:55	0.29	0.4	1.9	0.11	0.12
01:00	0.32	0.4	2.2	0.13	0.14
01:05	0.36	0.4	2.2	0.14	0.15
01:10	0.40	0.4	2.3	0.16	0.17
01:15	0.44	0.4	2.3	0.17	0.18
01:20	0.48	0.4	2.3	0.19	0.20
01:25	0.52	0.4	2.3	0.21	0.21
01:30	0.55	0.4	2.3	0.22	0.23
01:35	0.59	0.4	2.3	0.24	0.25
01:40	0.63	0.4	2.3	0.25	0.26
01:45	0.67	0.4	2.3	0.27	0.28
01:50	0.71	0.4	2.3	0.28	0.29
01:55	0.75	0.4	2.3	0.30	0.31
02:00	0.79	0.4	2.6	0.32	0.33
02:05	0.84	0.4	2.3	0.33	0.34
02:10	0.88	0.4	2.6	0.35	0.36
02:15	0.92	0.4	2.7	0.37	0.38
02:20	0.97	0.4	2.7	0.39	0.40
02:25	1.01	0.4	2.7	0.41	0.42
02:30	1.06	0.4	2.7	0.42	0.43
02:35	1.10	0.4	2.7	0.44	0.45
02:40	1.14	0.4	2.7	0.46	0.47
02:45	1.18	0.4	3.0	0.48	0.49
02:50	1.23	0.4	3.1	0.50	0.51
02:55	1.27	0.4	3.1	0.52	0.53
03:00	1.32	0.4	3.1	0.54	0.55
03:05	1.37	0.4	3.1	0.57	0.58
03:10	1.42	0.4	3.4	0.59	0.60
03:15	1.47	0.4	3.5	0.61	0.62
03:20	1.52	0.5	3.5	0.64	0.65
03:25	1.58	0.5	3.8	0.66	0.67
03:30	1.64	0.5	4.2	0.69	0.70
03:35	1.71	0.5	4.5	0.72	0.73
03:40	1.78	0.5	4.6	0.75	0.77
03:45	1.85	0.5	5.0	0.78	0.80
03:50	1.93	0.5	5.1	0.82	0.83
03:55	2.01	0.5	5.4	0.85	0.87
04:00	2.08	0.5	5.5	0.89	0.91
04:05	2.16	0.5	5.8	0.93	0.95
04:10	2.24	0.5	6.2	0.97	0.99
04:15	2.33	0.5	6.6	1.01	1.04
04:20	2.42	0.5	7.0	1.06	1.09
04:25	2.52	0.5	7.4	1.11	1.14
04:30	2.62	0.5	7.5	1.16	1.19
04:35	2.73	0.5	7.8	1.21	1.24
04:40	2.84	0.5	8.2	1.27	1.30
04:45	2.95	0.5	8.6	1.33	1.36
04:50	3.06	0.5	8.7	1.39	1.42
04:55	3.16	0.5	9.0	1.44	1.48
05:00	3.26	0.5	9.4	1.50	1.54
05:05	3.35	0.6	11.0	1.55	1.62
05:10	3.45	0.6	12.9	1.60	1.71
05:15	3.55	0.6	14.2	1.66	1.81
05:20	3.65	0.6	15.5	1.71	1.91
05:25	3.74	0.6	17.3	1.77	2.03

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.85	0.6	20.5	1.82	2.17
05:35	3.89	0.6	10.0	1.85	2.24
05:40	3.83	0.6	4.9	1.81	2.28
05:45	3.75	0.6	2.9	1.77	2.30
05:50	3.67	0.6	1.7	1.72	2.31
05:55	3.59	0.6	0.9	1.68	2.31
06:00	3.52	0.6	0.5	1.64	2.32
06:05	3.46	0.6	0.2	1.61	2.32
06:10	3.41	0.6	0.1	1.58	2.32
06:15	3.37	0.6	0.0	1.56	2.32
06:20	3.33	0.5	0.0	1.53	2.32
06:25	3.30	0.5	0.0	1.52	2.32
06:30	3.27	0.5	0.0	1.50	2.32
06:35	3.24	0.5	0.0	1.49	2.32
06:40	3.22	0.5	0.0	1.48	2.32
06:45	3.21	0.5	0.0	1.47	2.32
06:50	3.19	0.5	0.0	1.46	2.32
06:55	3.17	0.5	0.0	1.45	2.32
07:00	3.16	0.5	0.0	1.44	2.32
07:05	3.15	0.5	0.0	1.44	2.32
07:10	3.14	0.5	0.0	1.43	2.32
07:15	3.13	0.5	0.0	1.42	2.32
07:20	3.12	0.5	0.0	1.42	2.32
07:25	3.12	0.5	0.0	1.42	2.32
07:30	3.11	0.5	0.0	1.41	2.32
07:35	3.10	0.5	0.0	1.41	2.32
07:40	3.10	0.5	0.0	1.40	2.32
07:45	3.09	0.5	0.0	1.40	2.32
07:50	3.09	0.5	0.0	1.40	2.32
07:55	3.08	0.5	0.0	1.40	2.32
08:00	3.08	0.5	0.0	1.39	2.32
08:05	3.07	0.5	0.0	1.39	2.32
08:10	3.07	0.5	0.0	1.39	2.32
08:15	3.07	0.5	0.0	1.39	2.32
08:20	3.06	0.5	0.0	1.39	2.32
08:25	3.06	0.5	0.0	1.39	2.32
08:30	3.06	0.5	0.0	1.38	2.32
08:35	3.06	0.5	0.0	1.38	2.32
08:40	3.05	0.5	0.0	1.38	2.32
08:45	3.05	0.5	0.0	1.38	2.32
08:50	3.05	0.5	0.0	1.38	2.32
08:55	3.05	0.5	0.0	1.38	2.32
09:00	3.05	0.5	0.0	1.38	2.32
09:05	3.04	0.5	0.0	1.38	2.32
09:10	3.04	0.5	0.0	1.37	2.32
09:15	3.04	0.5	0.0	1.37	2.32
09:20	3.04	0.5	0.0	1.37	2.32
09:25	3.04	0.5	0.0	1.37	2.32
09:30	3.04	0.5	0.0	1.37	2.32
09:35	3.03	0.5	0.0	1.37	2.32
09:40	3.03	0.5	0.0	1.37	2.32
09:45	3.03	0.5	0.0	1.37	2.32
09:50	3.03	0.5	0.0	1.37	2.32
09:55	3.03	0.5	0.0	1.37	2.32
10:00	3.03	0.5	0.0	1.37	2.32
10:05	3.03	0.5	0.0	1.37	2.32
10:10	3.03	0.5	0.0	1.37	2.32
10:15	3.03	0.5	0.0	1.37	2.32
10:20	3.03	0.5	0.0	1.37	2.32
10:25	3.03	0.5	0.0	1.37	2.32
10:30	3.02	0.5	0.0	1.37	2.32
10:35	3.02	0.5	0.0	1.36	2.32

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.008	0.009	0.4	0.00
00:10	0.019	0.008	0.012	0.7	0.01
00:15	0.019	0.008	0.012	0.7	0.01
00:20	0.019	0.008	0.012	0.7	0.02
00:25	0.019	0.008	0.012	0.7	0.02
00:30	0.022	0.008	0.015	0.9	0.03
00:35	0.022	0.008	0.015	0.9	0.03
00:40	0.022	0.008	0.015	0.9	0.04
00:45	0.022	0.008	0.015	0.9	0.05
00:50	0.022	0.008	0.015	0.9	0.05
00:55	0.022	0.008	0.015	0.9	0.06
01:00	0.026	0.008	0.018	1.1	0.07
01:05	0.026	0.008	0.018	1.1	0.08
01:10	0.026	0.008	0.018	1.1	0.08
01:15	0.026	0.008	0.018	1.1	0.09
01:20	0.026	0.008	0.018	1.1	0.10
01:25	0.026	0.008	0.018	1.1	0.11
01:30	0.026	0.008	0.018	1.1	0.11
01:35	0.026	0.008	0.018	1.1	0.12
01:40	0.026	0.008	0.018	1.1	0.13
01:45	0.026	0.008	0.018	1.1	0.14
01:50	0.026	0.008	0.018	1.1	0.15
01:55	0.026	0.008	0.018	1.1	0.15
02:00	0.029	0.008	0.021	1.3	0.16
02:05	0.026	0.008	0.018	1.1	0.17
02:10	0.029	0.008	0.021	1.3	0.18
02:15	0.029	0.008	0.021	1.3	0.19
02:20	0.029	0.008	0.021	1.3	0.20
02:25	0.029	0.008	0.021	1.3	0.21
02:30	0.029	0.008	0.021	1.3	0.21
02:35	0.029	0.008	0.021	1.3	0.22
02:40	0.029	0.008	0.021	1.3	0.23
02:45	0.032	0.008	0.025	1.5	0.24
02:50	0.032	0.008	0.025	1.5	0.25
02:55	0.032	0.008	0.025	1.5	0.26
03:00	0.032	0.008	0.025	1.5	0.27
03:05	0.032	0.008	0.025	1.5	0.28
03:10	0.035	0.008	0.028	1.7	0.30
03:15	0.035	0.008	0.028	1.7	0.31
03:20	0.035	0.008	0.028	1.7	0.32
03:25	0.038	0.008	0.031	1.9	0.33
03:30	0.042	0.008	0.034	2.1	0.35
03:35	0.045	0.008	0.037	2.3	0.36
03:40	0.045	0.008	0.037	2.3	0.38
03:45	0.048	0.008	0.041	2.5	0.40
03:50	0.048	0.008	0.041	2.5	0.41
03:55	0.051	0.008	0.044	2.7	0.43
04:00	0.051	0.008	0.044	2.7	0.45
04:05	0.054	0.008	0.047	2.9	0.47
04:10	0.058	0.008	0.050	3.1	0.49
04:15	0.061	0.008	0.053	3.3	0.51
04:20	0.064	0.008	0.057	3.5	0.54
04:25	0.067	0.008	0.060	3.7	0.56
04:30	0.067	0.008	0.060	3.7	0.59
04:35	0.070	0.008	0.063	3.9	0.61
04:40	0.074	0.008	0.066	4.1	0.64
04:45	0.077	0.008	0.069	4.3	0.67
04:50	0.077	0.008	0.069	4.3	0.70
04:55	0.080	0.008	0.073	4.5	0.73
05:00	0.083	0.008	0.076	4.6	0.76
05:05	0.099	0.008	0.092	5.5	0.80
05:10	0.115	0.008	0.108	6.5	0.85
05:15	0.125	0.008	0.117	7.1	0.90
05:20	0.134	0.008	0.127	7.7	0.95
05:25	0.150	0.008	0.143	8.7	1.01

Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.008	0.172	10.3	1.08
05:35	0.061	0.008	0.053	4.4	1.11
05:40	0.029	0.008	0.021	2.1	1.12
05:45	0.019	0.008	0.012	0.9	1.13
05:50	0.016	0.008	0.009	0.6	1.13
05:55	0.010	0.005	0.005	0.3	1.14
06:00	0.006	0.003	0.003	0.2	1.14
06:05	0.000	0.000	0.000	0.0	1.14
06:10	0.000	0.000	0.000	0.0	1.14
06:15	0.000	0.000	0.000	0.0	1.14
06:20	0.000	0.000	0.000	0.0	1.14
06:25	0.000	0.000	0.000	0.0	1.14
06:30	0.000	0.000	0.000	0.0	1.14
06:35	0.000	0.000	0.000	0.0	1.14
06:40	0.000	0.000	0.000	0.0	1.14
06:45	0.000	0.000	0.000	0.0	1.14
06:50	0.000	0.000	0.000	0.0	1.14
06:55	0.000	0.000	0.000	0.0	1.14
07:00	0.000	0.000	0.000	0.0	1.14
07:05	0.000	0.000	0.000	0.0	1.14
07:10	0.000	0.000	0.000	0.0	1.14
07:15	0.000	0.000	0.000	0.0	1.14
07:20	0.000	0.000	0.000	0.0	1.14
07:25	0.000	0.000	0.000	0.0	1.14
07:30	0.000	0.000	0.000	0.0	1.14
07:35	0.000	0.000	0.000	0.0	1.14
07:40	0.000	0.000	0.000	0.0	1.14
07:45	0.000	0.000	0.000	0.0	1.14
07:50	0.000	0.000	0.000	0.0	1.14
07:55	0.000	0.000	0.000	0.0	1.14
08:00	0.000	0.000	0.000	0.0	1.14
08:05	0.000	0.000	0.000	0.0	1.14
08:10	0.000	0.000	0.000	0.0	1.14
08:15	0.000	0.000	0.000	0.0	1.14
08:20	0.000	0.000	0.000	0.0	1.14
08:25	0.000	0.000	0.000	0.0	1.14
08:30	0.000	0.000	0.000	0.0	1.14
08:35	0.000	0.000	0.000	0.0	1.14
08:40	0.000	0.000	0.000	0.0	1.14
08:45	0.000	0.000	0.000	0.0	1.14
08:50	0.000	0.000	0.000	0.0	1.14
08:55	0.000	0.000	0.000	0.0	1.14
09:00	0.000	0.000	0.000	0.0	1.14
09:05	0.000	0.000	0.000	0.0	1.14
09:10	0.000	0.000	0.000	0.0	1.14
09:15	0.000	0.000	0.000	0.0	1.14
09:20	0.000	0.000	0.000	0.0	1.14
09:25	0.000	0.000	0.000	0.0	1.14
09:30	0.000	0.000	0.000	0.0	1.14
09:35	0.000	0.000	0.000	0.0	1.14
09:40	0.000	0.000	0.000	0.0	1.14
09:45	0.000	0.000	0.000	0.0	1.14
09:50	0.000	0.000	0.000	0.0	1.14
09:55	0.000	0.000	0.000	0.0	1.14
10:00	0.000	0.000	0.000	0.0	1.14
10:05	0.000	0.000	0.000	0.0	1.14
10:10	0.000	0.000	0.000	0.0	1.14
10:15	0.000	0.000	0.000	0.0	1.14
10:20	0.000	0.000	0.000	0.0	1.14
10:25	0.000	0.000	0.000	0.0	1.14
10:30	0.000	0.000	0.000	0.0	1.14
10:35	0.000	0.000	0.000	0.0	1.14

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
00:05	0.01	0.2	0.4	0.00	0.00
00:10	0.03	0.2	0.7	0.01	0.01
00:15	0.05	0.2	0.7	0.01	0.01
00:20	0.08	0.2	0.7	0.02	0.02
00:25	0.10	0.2	0.7	0.02	0.02
00:30	0.13	0.2	0.9	0.03	0.03
00:35	0.16	0.2	0.9	0.03	0.03
00:40	0.20	0.2	0.9	0.04	0.04
00:45	0.23	0.2	0.9	0.04	0.05
00:50	0.26	0.2	0.9	0.05	0.05
00:55	0.30	0.2	0.9	0.06	0.06
01:00	0.33	0.2	1.1	0.06	0.07
01:05	0.37	0.2	1.1	0.07	0.08
01:10	0.41	0.2	1.1	0.08	0.08
01:15	0.45	0.2	1.1	0.09	0.09
01:20	0.49	0.2	1.1	0.09	0.10
01:25	0.53	0.2	1.1	0.10	0.11
01:30	0.57	0.2	1.1	0.11	0.11
01:35	0.61	0.2	1.1	0.12	0.12
01:40	0.65	0.2	1.1	0.13	0.13
01:45	0.69	0.2	1.1	0.13	0.14
01:50	0.73	0.2	1.1	0.14	0.15
01:55	0.77	0.2	1.1	0.15	0.15
02:00	0.81	0.2	1.3	0.16	0.16
02:05	0.86	0.2	1.1	0.17	0.17
02:10	0.90	0.2	1.3	0.17	0.18
02:15	0.95	0.2	1.3	0.18	0.19
02:20	0.99	0.2	1.3	0.19	0.20
02:25	1.03	0.2	1.3	0.20	0.21
02:30	1.07	0.2	1.3	0.21	0.21
02:35	1.11	0.2	1.3	0.22	0.22
02:40	1.15	0.2	1.3	0.23	0.23
02:45	1.20	0.2	1.5	0.24	0.24
02:50	1.24	0.2	1.5	0.25	0.25
02:55	1.29	0.2	1.5	0.26	0.26
03:00	1.33	0.2	1.5	0.27	0.27
03:05	1.38	0.2	1.5	0.28	0.28
03:10	1.43	0.2	1.7	0.29	0.30
03:15	1.48	0.2	1.7	0.30	0.31
03:20	1.53	0.2	1.7	0.31	0.32
03:25	1.58	0.2	1.9	0.33	0.33
03:30	1.64	0.2	2.1	0.34	0.35
03:35	1.71	0.2	2.3	0.36	0.36
03:40	1.78	0.2	2.3	0.37	0.38
03:45	1.85	0.2	2.5	0.39	0.40
03:50	1.92	0.2	2.5	0.40	0.41
03:55	2.00	0.2	2.7	0.42	0.43
04:00	2.07	0.2	2.7	0.44	0.45
04:05	2.14	0.3	2.9	0.46	0.47
04:10	2.22	0.3	3.1	0.48	0.49
04:15	2.30	0.3	3.3	0.50	0.51
04:20	2.39	0.3	3.5	0.53	0.54
04:25	2.48	0.3	3.7	0.55	0.56
04:30	2.58	0.3	3.7	0.57	0.59
04:35	2.67	0.3	3.9	0.60	0.61
04:40	2.78	0.3	4.1	0.63	0.64
04:45	2.88	0.3	4.3	0.66	0.67
04:50	2.99	0.3	4.3	0.69	0.70
04:55	3.09	0.3	4.5	0.72	0.73
05:00	3.18	0.3	4.6	0.74	0.76
05:05	3.27	0.3	5.5	0.77	0.80
05:10	3.37	0.3	6.5	0.80	0.85
05:15	3.47	0.3	7.1	0.83	0.90
05:20	3.56	0.3	7.7	0.86	0.95
05:25	3.65	0.3	8.7	0.89	1.01

Time	ELEVATION	AREA	FLOW-COMBINE	STORAGE	VOLUME
HH:MM	FT	ACRE	CFS	AC-FT	AC-FT
05:30	3.74	0.3	10.3	0.92	1.08
05:35	3.77	0.3	4.4	0.93	1.11
05:40	3.72	0.3	2.1	0.91	1.12
05:45	3.64	0.3	0.9	0.88	1.13
05:50	3.56	0.3	0.6	0.86	1.13
05:55	3.49	0.3	0.3	0.84	1.14
06:00	3.44	0.3	0.2	0.82	1.14
06:05	3.39	0.3	0.0	0.81	1.14
06:10	3.34	0.3	0.0	0.79	1.14
06:15	3.31	0.3	0.0	0.78	1.14
06:20	3.27	0.3	0.0	0.77	1.14
06:25	3.25	0.3	0.0	0.76	1.14
06:30	3.22	0.3	0.0	0.76	1.14
06:35	3.20	0.3	0.0	0.75	1.14
06:40	3.19	0.3	0.0	0.75	1.14
06:45	3.17	0.3	0.0	0.74	1.14
06:50	3.16	0.3	0.0	0.74	1.14
06:55	3.15	0.3	0.0	0.73	1.14
07:00	3.14	0.3	0.0	0.73	1.14
07:05	3.13	0.3	0.0	0.73	1.14
07:10	3.12	0.3	0.0	0.72	1.14
07:15	3.11	0.3	0.0	0.72	1.14
07:20	3.10	0.3	0.0	0.72	1.14
07:25	3.10	0.3	0.0	0.72	1.14
07:30	3.09	0.3	0.0	0.72	1.14
07:35	3.09	0.3	0.0	0.71	1.14
07:40	3.08	0.3	0.0	0.71	1.14
07:45	3.08	0.3	0.0	0.71	1.14
07:50	3.07	0.3	0.0	0.71	1.14
07:55	3.07	0.3	0.0	0.71	1.14
08:00	3.06	0.3	0.0	0.71	1.14
08:05	3.06	0.3	0.0	0.71	1.14
08:10	3.06	0.3	0.0	0.71	1.14
08:15	3.06	0.3	0.0	0.71	1.14
08:20	3.05	0.3	0.0	0.70	1.14
08:25	3.05	0.3	0.0	0.70	1.14
08:30	3.05	0.3	0.0	0.70	1.14
08:35	3.05	0.3	0.0	0.70	1.14
08:40	3.04	0.3	0.0	0.70	1.14
08:45	3.04	0.3	0.0	0.70	1.14
08:50	3.04	0.3	0.0	0.70	1.14
08:55	3.04	0.3	0.0	0.70	1.14
09:00	3.04	0.3	0.0	0.70	1.14
09:05	3.04	0.3	0.0	0.70	1.14
09:10	3.04	0.3	0.0	0.70	1.14
09:15	3.03	0.3	0.0	0.70	1.14
09:20	3.03	0.3	0.0	0.70	1.14
09:25	3.03	0.3	0.0	0.70	1.14
09:30	3.03	0.3	0.0	0.70	1.14
09:35	3.03	0.3	0.0	0.70	1.14
09:40	3.03	0.3	0.0	0.70	1.14
09:45	3.03	0.3	0.0	0.70	1.14
09:50	3.03	0.3	0.0	0.70	1.14
09:55	3.03	0.3	0.0	0.70	1.14
10:00	3.02	0.3	0.0	0.70	1.14
10:05	3.02	0.3	0.0	0.70	1.14
10:10	3.02	0.3	0.0	0.70	1.14
10:15	3.02	0.3	0.0	0.70	1.14
10:20	3.02	0.3	0.0	0.69	1.14
10:25	3.02	0.3	0.0	0.69	1.14
10:30	3.02	0.3	0.0	0.69	1.14
10:35	3.02	0.3	0.0	0.69	1.14

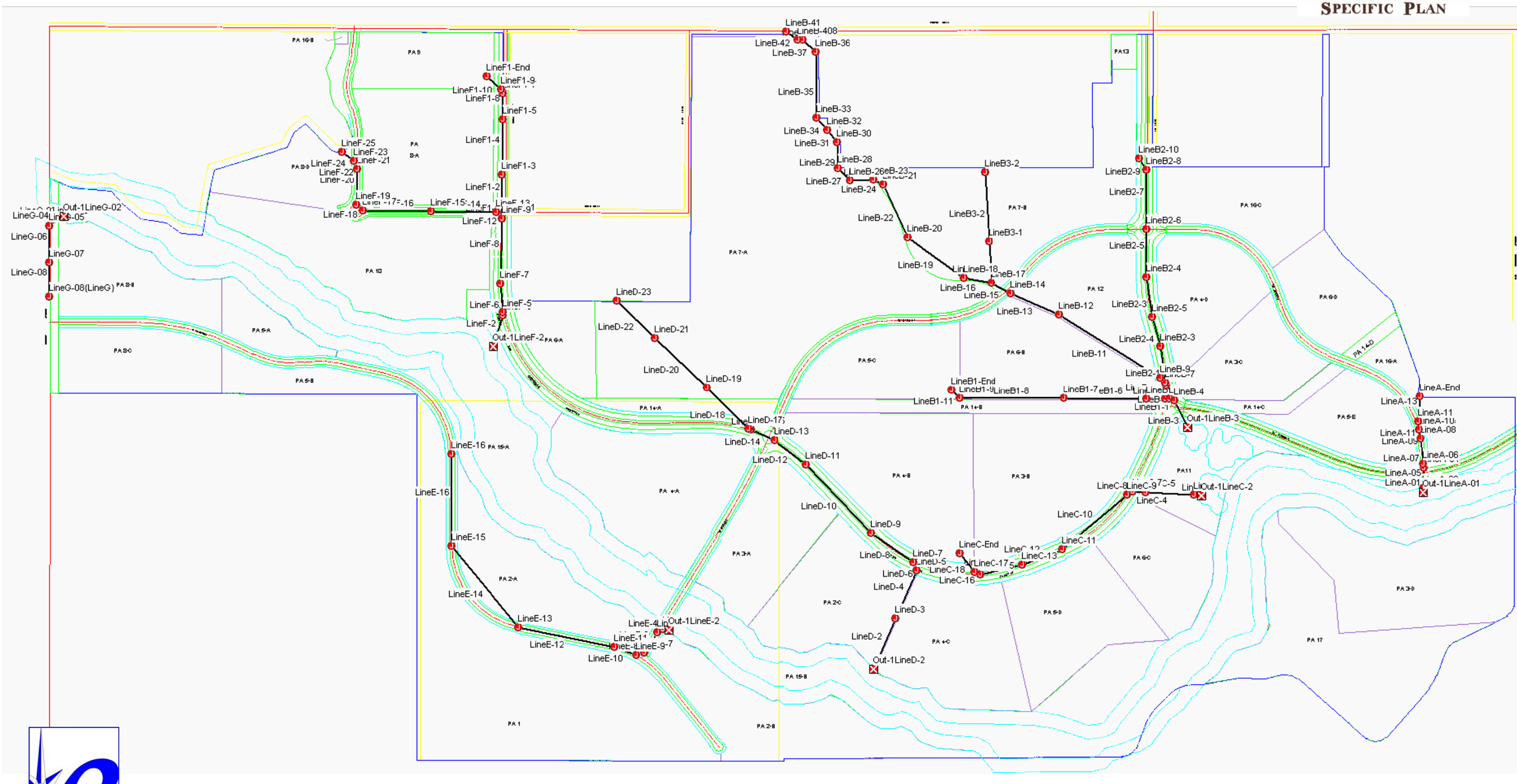
Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
00:05	0.016	0.016	0.000	0.0	0.00
00:10	0.019	0.019	0.000	0.0	0.00
00:15	0.019	0.019	0.000	0.0	0.00
00:20	0.019	0.019	0.000	0.0	0.00
00:25	0.019	0.019	0.000	0.0	0.00
00:30	0.022	0.022	0.000	0.0	0.00
00:35	0.022	0.022	0.000	0.0	0.00
00:40	0.022	0.022	0.000	0.0	0.00
00:45	0.022	0.022	0.000	0.0	0.00
00:50	0.022	0.022	0.000	0.0	0.00
00:55	0.022	0.022	0.000	0.0	0.00
01:00	0.026	0.026	0.000	0.0	0.00
01:05	0.026	0.026	0.000	0.0	0.00
01:10	0.026	0.026	0.000	0.0	0.00
01:15	0.026	0.026	0.000	0.0	0.00
01:20	0.026	0.026	0.000	0.0	0.00
01:25	0.026	0.026	0.000	0.0	0.00
01:30	0.026	0.026	0.000	0.0	0.00
01:35	0.026	0.026	0.000	0.0	0.00
01:40	0.026	0.026	0.000	0.0	0.00
01:45	0.026	0.026	0.000	0.0	0.00
01:50	0.026	0.026	0.000	0.0	0.00
01:55	0.026	0.026	0.000	0.0	0.00
02:00	0.029	0.029	0.000	0.0	0.00
02:05	0.026	0.026	0.000	0.0	0.00
02:10	0.029	0.029	0.000	0.0	0.00
02:15	0.029	0.029	0.000	0.0	0.00
02:20	0.029	0.029	0.000	0.0	0.00
02:25	0.029	0.029	0.000	0.0	0.00
02:30	0.029	0.029	0.000	0.0	0.00
02:35	0.029	0.029	0.000	0.0	0.00
02:40	0.029	0.029	0.000	0.0	0.00
02:45	0.032	0.032	0.000	0.0	0.00
02:50	0.032	0.032	0.000	0.0	0.00
02:55	0.032	0.032	0.000	0.0	0.00
03:00	0.032	0.032	0.000	0.0	0.00
03:05	0.032	0.032	0.000	0.0	0.00
03:10	0.035	0.032	0.004	0.1	0.00
03:15	0.035	0.032	0.004	0.1	0.00
03:20	0.035	0.032	0.004	0.1	0.00
03:25	0.038	0.032	0.007	0.2	0.00
03:30	0.042	0.032	0.010	0.2	0.00
03:35	0.045	0.032	0.013	0.3	0.01
03:40	0.045	0.032	0.013	0.3	0.01
03:45	0.048	0.032	0.016	0.4	0.01
03:50	0.048	0.032	0.016	0.4	0.02
03:55	0.051	0.032	0.020	0.5	0.02
04:00	0.051	0.032	0.020	0.5	0.02
04:05	0.054	0.032	0.023	0.6	0.03
04:10	0.058	0.032	0.026	0.7	0.03
04:15	0.061	0.032	0.029	0.8	0.04
04:20	0.064	0.032	0.032	0.8	0.04
04:25	0.067	0.032	0.036	0.9	0.05
04:30	0.067	0.032	0.036	1.0	0.06
04:35	0.070	0.032	0.039	1.0	0.06
04:40	0.074	0.032	0.042	1.1	0.07
04:45	0.077	0.032	0.045	1.2	0.08
04:50	0.077	0.032	0.045	1.2	0.09
04:55	0.080	0.032	0.048	1.3	0.10
05:00	0.083	0.032	0.052	1.4	0.10
05:05	0.099	0.032	0.068	1.7	0.12
05:10	0.115	0.032	0.084	2.1	0.13
05:15	0.125	0.032	0.093	2.4	0.15
05:20	0.134	0.032	0.103	2.7	0.17
05:25	0.150	0.032	0.119	3.1	0.19

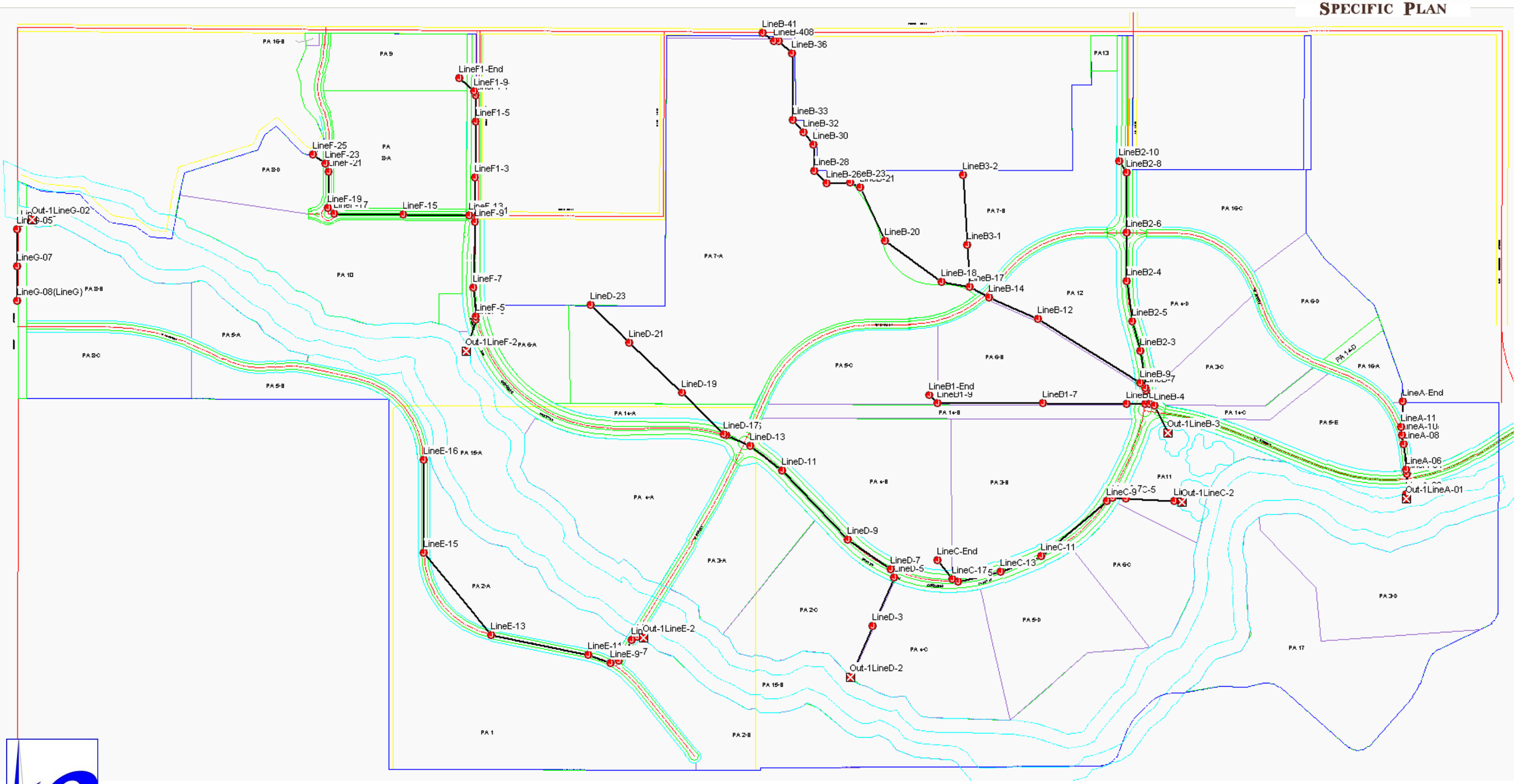
Time	PRECIP-INC	PRECIP-LOSS	PRECIP-EXCESS	FLOW	VOLUME
HH:MM	IN	IN	IN	CFS	AC-FT
05:30	0.179	0.032	0.148	3.8	0.21
05:35	0.061	0.032	0.029	1.5	0.22
05:40	0.029	0.029	0.000	0.4	0.23
05:45	0.019	0.019	0.000	0.2	0.23
05:50	0.016	0.016	0.000	0.1	0.23
05:55	0.010	0.010	0.000	0.0	0.23
06:00	0.006	0.006	0.000	0.0	0.23
06:05	0.000	0.000	0.000	0.0	0.23
06:10	0.000	0.000	0.000	0.0	0.23
06:15	0.000	0.000	0.000	0.0	0.23
06:20	0.000	0.000	0.000	0.0	0.23
06:25	0.000	0.000	0.000	0.0	0.23
06:30	0.000	0.000	0.000	0.0	0.23
06:35	0.000	0.000	0.000	0.0	0.23
06:40	0.000	0.000	0.000	0.0	0.23
06:45	0.000	0.000	0.000	0.0	0.23
06:50	0.000	0.000	0.000	0.0	0.23
06:55	0.000	0.000	0.000	0.0	0.23
07:00	0.000	0.000	0.000	0.0	0.23
07:05	0.000	0.000	0.000	0.0	0.23
07:10	0.000	0.000	0.000	0.0	0.23
07:15	0.000	0.000	0.000	0.0	0.23
07:20	0.000	0.000	0.000	0.0	0.23
07:25	0.000	0.000	0.000	0.0	0.23
07:30	0.000	0.000	0.000	0.0	0.23
07:35	0.000	0.000	0.000	0.0	0.23
07:40	0.000	0.000	0.000	0.0	0.23
07:45	0.000	0.000	0.000	0.0	0.23
07:50	0.000	0.000	0.000	0.0	0.23
07:55	0.000	0.000	0.000	0.0	0.23
08:00	0.000	0.000	0.000	0.0	0.23
08:05	0.000	0.000	0.000	0.0	0.23
08:10	0.000	0.000	0.000	0.0	0.23
08:15	0.000	0.000	0.000	0.0	0.23
08:20	0.000	0.000	0.000	0.0	0.23
08:25	0.000	0.000	0.000	0.0	0.23
08:30	0.000	0.000	0.000	0.0	0.23
08:35	0.000	0.000	0.000	0.0	0.23
08:40	0.000	0.000	0.000	0.0	0.23
08:45	0.000	0.000	0.000	0.0	0.23
08:50	0.000	0.000	0.000	0.0	0.23
08:55	0.000	0.000	0.000	0.0	0.23
09:00	0.000	0.000	0.000	0.0	0.23
09:05	0.000	0.000	0.000	0.0	0.23
09:10	0.000	0.000	0.000	0.0	0.23
09:15	0.000	0.000	0.000	0.0	0.23
09:20	0.000	0.000	0.000	0.0	0.23
09:25	0.000	0.000	0.000	0.0	0.23
09:30	0.000	0.000	0.000	0.0	0.23
09:35	0.000	0.000	0.000	0.0	0.23
09:40	0.000	0.000	0.000	0.0	0.23
09:45	0.000	0.000	0.000	0.0	0.23
09:50	0.000	0.000	0.000	0.0	0.23
09:55	0.000	0.000	0.000	0.0	0.23
10:00	0.000	0.000	0.000	0.0	0.23
10:05	0.000	0.000	0.000	0.0	0.23
10:10	0.000	0.000	0.000	0.0	0.23
10:15	0.000	0.000	0.000	0.0	0.23
10:20	0.000	0.000	0.000	0.0	0.23
10:25	0.000	0.000	0.000	0.0	0.23
10:30	0.000	0.000	0.000	0.0	0.23
10:35	0.000	0.000	0.000	0.0	0.23

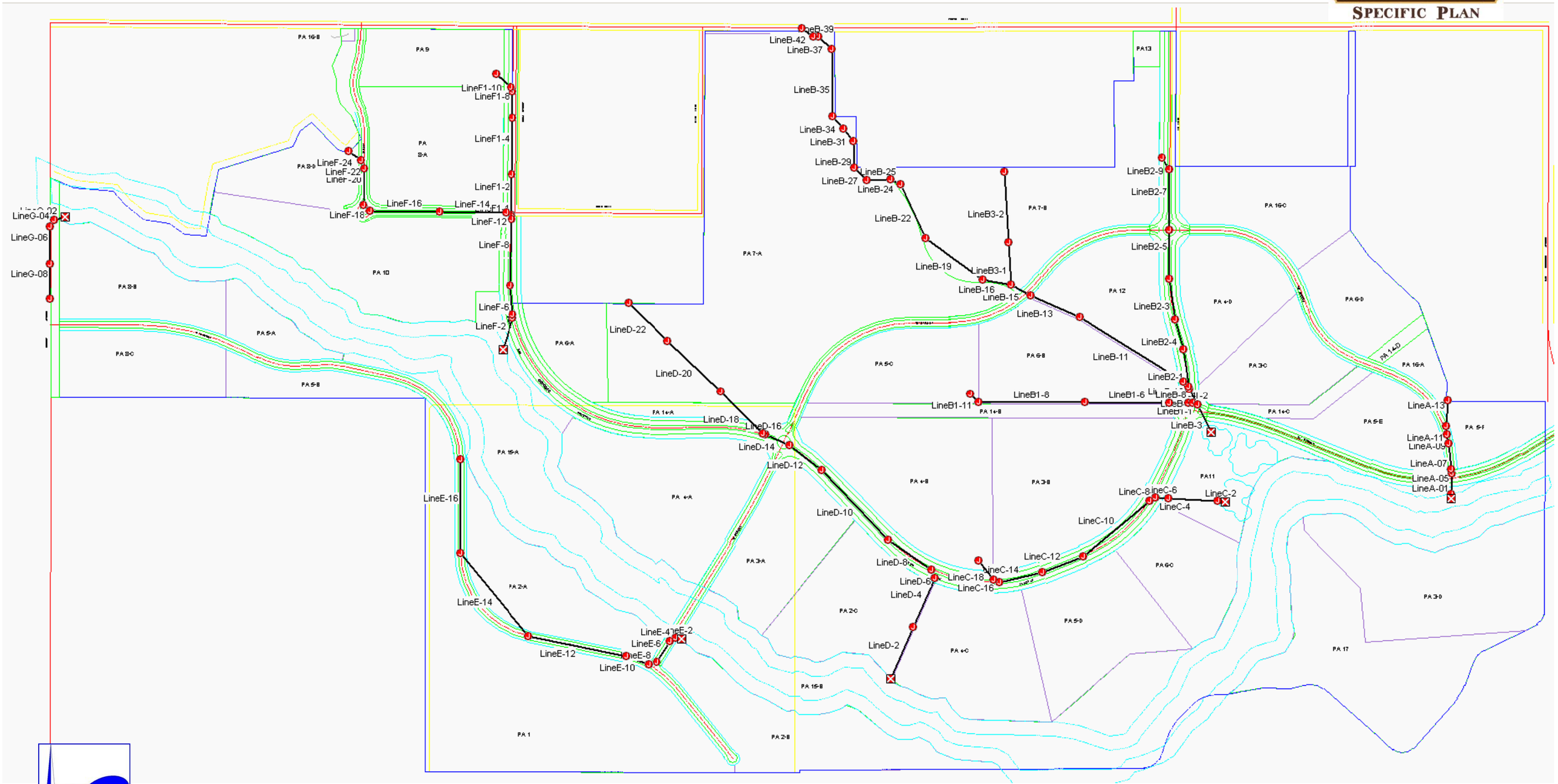
Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
00:05	0.0	0.00
00:10	0.0	0.00
00:15	0.0	0.00
00:20	0.0	0.00
00:25	10.0	0.07
00:30	25.0	0.24
00:35	39.0	0.51
00:40	54.0	0.88
00:45	66.0	1.34
00:50	76.0	1.86
00:55	154.0	2.92
01:00	166.0	4.06
01:05	178.0	5.29
01:10	199.0	6.66
01:15	233.0	8.26
01:20	328.0	10.52
01:25	463.0	13.71
01:30	536.0	17.40
01:35	566.0	21.30
01:40	594.0	25.39
01:45	627.0	29.71
01:50	663.0	34.28
01:55	693.0	39.05
02:00	722.0	44.02
02:05	747.0	49.17
02:10	770.0	54.47
02:15	796.0	59.95
02:20	824.0	65.63
02:25	856.0	71.52
02:30	889.0	77.64
02:35	924.0	84.01
02:40	961.0	90.63
02:45	1005.0	97.55
02:50	1054.0	104.81
02:55	1100.0	112.38
03:00	1147.0	120.28
03:05	1197.0	128.53
03:10	1262.0	137.22
03:15	1336.0	146.42
03:20	1412.0	156.14
03:25	1505.0	166.51
03:30	1630.0	177.73
03:35	1793.0	190.08
03:40	1990.0	203.79
03:45	2226.0	219.12
03:50	2488.0	236.25
03:55	2762.0	255.28
04:00	3036.0	276.18
04:05	3312.0	298.99
04:10	3603.0	323.81
04:15	3916.0	350.78
04:20	4264.0	380.14
04:25	4643.0	412.12
04:30	5044.0	446.86
04:35	5451.0	484.40
04:40	5879.0	524.89
04:45	6310.0	568.35
04:50	6735.0	614.73
04:55	7178.0	664.17
05:00	7657.0	716.90
05:05	8219.0	773.51
05:10	8923.0	834.96
05:15	9795.0	902.42
05:20	10871.0	977.29
05:25	12230.0	1061.52

Time	FLOW-COMBINE	VOLUME
HH:MM	CFS	AC-FT
05:30	13812.0	1156.64
05:35	14936.0	1259.50
05:40	15154.0	1363.87
05:45	14644.0	1464.72
05:50	13408.0	1557.07
05:55	11738.0	1637.91
06:00	9986.0	1706.68
06:05	8494.0	1765.18
06:10	7334.0	1815.69
06:15	6405.0	1859.80
06:20	5551.0	1898.03
06:25	4760.0	1930.81
06:30	4094.0	1959.01
06:35	3551.0	1983.46
06:40	3103.0	2004.83
06:45	2729.0	2023.63
06:50	2432.0	2040.38
06:55	2201.0	2055.54
07:00	2017.0	2069.43
07:05	1859.0	2082.23
07:10	1715.0	2094.04
07:15	1576.0	2104.90
07:20	1451.0	2114.89
07:25	1336.0	2124.09
07:30	1232.0	2132.58
07:35	1145.0	2140.46
07:40	1070.0	2147.83
07:45	999.0	2154.71
07:50	929.0	2161.11
07:55	858.0	2167.02
08:00	788.0	2172.44
08:05	721.0	2177.41
08:10	662.0	2181.97
08:15	614.0	2186.20
08:20	576.0	2190.17
08:25	545.0	2193.92
08:30	519.0	2197.49
08:35	496.0	2200.91
08:40	475.0	2204.18
08:45	455.0	2207.31
08:50	436.0	2210.32
08:55	419.0	2213.20
09:00	405.0	2215.99
09:05	394.0	2218.71
09:10	382.0	2221.34
09:15	371.0	2223.89
09:20	360.0	2226.37
09:25	348.0	2228.77
09:30	337.0	2231.09
09:35	326.0	2233.33
09:40	314.0	2235.50
09:45	301.0	2237.57
09:50	288.0	2239.55
09:55	273.0	2241.43
10:00	256.0	2243.20
10:05	241.0	2244.86
10:10	224.0	2246.40
10:15	208.0	2247.83
10:20	193.0	2249.16
10:25	181.0	2250.41
10:30	170.0	2251.58
10:35	160.0	2252.68

Appendix E: Conceptual Pipe Sizing Hydraulic Calculations


LineF1-End
LineF1-10
LineF1-8
LineF1-5
LineF1-4
LineF1-3
LineF1-2
LineF-25
LineF-24
LineF-22
LineF-19
LineF-18
LineF-12
LineF-8
LineF-7
LineF-6
LineF-2
Out-1LineF-2
LineG-04
Out-1LineG-02
LineG-06
LineG-07
LineG-08
LineG-08{LineG}
LineD-23
LineD-22
LineD-21
LineD-20
LineD-19
LineD-18
LineD-17
LineD-13
LineD-14
LineD-12
LineD-11
LineD-10
LineD-9
LineD-8
LineD-7
LineD-6
LineD-4
LineD-3
LineD-2
Out-1LineD-2
LineE-16
LineE-15
LineE-14
LineE-13
LineE-12
LineE-10
LineE-4
Out-1LineE-2
LineB-41
LineB-408
LineB-42
LineB-36
LineB-37
LineB-35
LineB-33
LineB-32
LineB-34
LineB-30
LineB-31
LineB-29
LineB-28
LineB-27
LineB-26
LineB-24
LineB-22
LineB-20
LineB-19
LineB-18
LineB-17
LineB-16
LineB-15
LineB-14
LineB-13
LineB-12
LineB-11
LineB3-2
LineB3-2
LineB3-1
LineB2-10
LineB2-8
LineB2-9
LineB2-7
LineB2-6
LineB2-5
LineB2-4
LineB2-3
LineB2-5
LineB2-4
LineB2-3
LineB2-9
LineB2-7
LineB1-End
LineB1-9
LineB1-8
LineB1-7
LineB1-6
LineB1-11
LineB-4
LineB-3
Out-1LineB-3
LineA-End
LineA-13
LineA-11
LineA-08
LineA-06
LineA-01
Out-1LineA-01
LineC-8
LineC-9
LineC-5
Out-1LineC-2
LineC-4
LineC-10
LineC-11
LineC-End
LineC-13
LineC-18
LineC-16
PA 16-B
PA 5
PA 8-A
PA 8-D
PA 10
PA 7-A
PA 13
PA 7-B
PA 16-C
PA 12
PA 4-D
PA 6-D
PA 8-B
PA 5-A
PA 5-C
PA 6-B
PA 14-D
PA 16-A
PA 14-A
PA 14-B
PA 14-C
PA 5-E
PA 15-A
PA 4-A
PA 4-B
PA 3-B
PA 11
PA 3-A
PA 6-C
PA 2-A
PA 2-C
PA 5-D
PA 3-D
PA 4-C
PA 15-B
PA 17
PA 1
PA 2-B


LineB-41
LineB-408
LineB-36
LineB-33
LineB-32
LineB-30
LineB-28
LineB-26
LineB-23
LineB-21
LineB-20
LineB3-2
LineB3-1
LineB-18
LineB-17
LineB-14
LineB-12
LineB2-10
LineB2-8
LineB2-6
LineB2-4
LineB2-5
LineB2-3
LineB-9
LineB-7
LineB-4
Out-1LineB-3
LineB1-End
LineB1-9
LineB1-7
LineA-End
LineA-11
LineA-08
LineA-06
Out-1LineA-01
LineF1-End
LineF1-9
LineF1-5
LineF1-3
LineF-25
LineF-23
LineF-21
LineF-19
LineF-17
LineF-15
LineF-13
LineF-11
LineF-7
LineF-5
Out-1LineF-2
Out-1LineG-02
LineG-05
LineG-07
LineG-08{LineG}
LineD-23
LineD-21
LineD-19
LineD-17
LineD-13
LineD-11
LineD-9
LineD-7
LineD-5
LineD-3
Out-1LineD-2
LineE-16
LineE-15
LineE-13
LineE-11
LineE-9
Out-1LineE-2
LineC-End
LineC-17
LineC-13
LineC-11
LineC-9
LineC-5
Out-1LineC-2
PA 16-B
PA 9
PA 8-D
PA 8-A
PA 10
PA 8-B
PA 8-A
PA 8-C
PA 8-B
PA 7-A
PA 7-B
PA 16-C
PA 13
PA 12
PA 4-D
PA 6-D
PA 8-C
PA 6-B
PA 3-C
PA 14-D
PA 16-A
PA 5-E
PA 14-A
PA 14-B
PA 14-C
PA 11
PA 4-A
PA 4-B
PA 3-B
PA 3-A
PA 2-A
PA 2-C
PA 5-D
PA 6-C
PA 3-D
PA 4-C
PA 15-B
PA 17
PA 1
PA 2-B


LineF1-10
LineF1-8
LineF1-4
LineF1-2
LineF-24
LineF-22
LineF-20
LineF-18
LineF-16
LineF-14
LineF-12
LineF-8
LineF-6
LineF-2
LineG-02
LineG-04
LineG-06
LineG-08
LineB-39
LineB-42
LineB-37
LineB-35
LineB-34
LineB-31
LineB-29
LineB-27
LineB-25
LineB-24
LineB-22
LineB-19
LineB-16
LineB-15
LineB-13
LineB-11
LineB3-2
LineB3-1
LineB2-9
LineB2-7
LineB2-5
LineB2-3
LineB2-4
LineB2-1
LineB1-11
LineB1-8
LineB1-6
LineB-3
LineA-13
LineA-11
LineA-09
LineA-07
LineA-05
LineA-01
LineD-22
LineD-20
LineD-18
LineD-16
LineD-14
LineD-12
LineD-10
LineD-8
LineD-6
LineD-4
LineD-2
LineC-18
LineC-16
LineC-14
LineC-12
LineC-10
LineC-8
LineC-6
LineC-4
LineC-2
LineE-16
LineE-14
LineE-12
LineE-10
LineE-8
LineE-6
LineE-4
LineE-2
PA 16-B
PA 9
PA 8-A
PA 8-D
PA 10
PA 8-B
PA 8-A
PA 8-C
PA 8-B
PA 7-A
PA 7-B
PA 13
PA 16-C
PA 12
PA 4-D
PA 6-D
PA 3-C
PA 16-A
PA 14-D
PA 6-A
PA 5-C
PA 6-B
PA 14-A
PA 14-B
PA 14-C
PA 5-E
PA 5-F
PA 15-A
PA 4-A
PA 4-B
PA 3-B
PA 11
PA 3-A
PA 6-C
PA 2-A
PA 2-C
PA 5-D
PA 4-C
PA 15-B
PA 17
PA 3-D
PA 1
PA 2-B

Project Description

File Name	RSG-Prelim-SD.SPF
Description	Rancho San Gorgonio Master Plan of Drainage Preliminary Hydraulics Steady-State / Instantenous Peak Flow per Manning's Equation Finished Surface and Invert Elevations are preliminary. Final configurations, including pipe sizes, are subject to change.

Project Options

Flow Units	CFS
Elevation Type	Elevation
Hydrology Method	Rational
Time of Concentration (TOC) Method	User-Defined
Link Routing Method	Steady Flow
Enable Overflow Ponding at Nodes	YES
Skip Steady State Analysis Time Periods	NO

Analysis Options

Start Analysis On	Apr 10, 2013	00:00:00
End Analysis On	Apr 10, 2013	01:00:00
Start Reporting On	Apr 10, 2013	00:00:00
Antecedent Dry Days	0	days
Runoff (Dry Weather) Time Step	0 01:00:00	days hh:mm:ss
Runoff (Wet Weather) Time Step	0 00:05:00	days hh:mm:ss
Reporting Time Step	0 00:05:00	days hh:mm:ss
Routing Time Step	30	seconds

Number of Elements

	Qty
Rain Gages	0
Subbasins	0
Nodes	98
Junctions	91
Outfalls	7
Flow Diversions	0
Inlets	0
Storage Nodes	0
Links	91
Channels	0
Pipes	91
Pumps	0
Orifices	0
Weirs	0
Outlets	0
Pollutants	0
Land Uses	0

Rainfall Details

Return Period	100 year(s)

Node Summary

SN	Element ID	Element Type	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Initial Water Elevation (ft)	Surcharge Elevation (ft)	Ponded Area (ft²)	Peak Inflow (cfs)	Max HGL Elevation Attained (ft)	Max Surcharge Depth Attained (ft)	Min Freeboard Attained (ft)	Time of Peak Flooding Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	LineA-02	Junction	2201.30	2212.00	2201.17	2210.67	0.00	2770.80	2207.53	0.00	4.47	0 00:00	0.00	0.00
2	LineA-04	Junction	2202.30	2213.00	2202.07	2211.57	0.00	2745.70	2208.53	0.00	4.47	0 00:00	0.00	0.00
3	LineA-06	Junction	2202.50	2213.00	2202.15	2211.65	0.00	2739.60	2208.70	0.00	4.30	0 00:00	0.00	0.00
4	LineA-08	Junction	2203.80	2215.00	2202.74	2212.24	0.00	2727.10	2210.14	0.00	4.86	0 00:00	0.00	0.00
5	LineA-10	Junction	2204.20	2215.00	2203.00	2212.50	0.00	2727.10	2210.54	0.00	4.46	0 00:00	0.00	0.00
6	LineA-11	Junction	2205.00	2216.00	2203.81	2213.32	0.00	2727.10	2211.23	0.00	4.77	0 00:00	0.00	0.00
7	LineA-End	Junction	2208.90	2219.00	2208.56	0.00	0.00	2727.10	2215.13	0.00	3.87	0 00:00	0.00	0.00
8	LineB-12	Junction	2256.17	2266.53	2256.17	2266.53	0.00	1839.80	2262.50	0.00	4.03	0 00:00	0.00	0.00
9	LineB1-3	Junction	2241.79	2245.30	2241.79	2245.30	0.00	48.20	2243.67	0.00	1.63	0 00:00	0.00	0.00
10	LineB-14	Junction	2280.00	2297.00	2286.63	2297.00	0.00	1839.80	2286.17	0.00	10.83	0 00:00	0.00	0.00
11	LineB1-5	Junction	2246.00	2253.00	2243.13	2246.65	0.00	38.80	2247.18	0.00	5.82	0 00:00	0.00	0.00
12	LineB1-7	Junction	2260.00	2269.00	2255.13	2258.65	0.00	15.00	2260.78	0.00	8.22	0 00:00	0.00	0.00
13	LineB-17	Junction	2284.00	2303.22	2289.80	2303.22	10.00	1839.80	2295.24	0.00	7.98	0 00:00	0.00	0.00
14	LineB-18	Junction	2289.00	2302.24	2291.88	2302.24	0.00	1746.40	2295.23	0.00	7.01	0 00:00	0.00	0.00
15	LineB1-9	Junction	2277.67	2284.00	2277.67	2281.19	0.00	15.00	2278.45	0.00	5.55	0 00:00	0.00	0.00
16	LineB1-End	Junction	2282.00	2288.00	2281.94	0.00	0.00	15.00	2282.64	0.00	5.36	0 00:00	0.00	0.00
17	LineB-20	Junction	2300.00	2313.21	2302.84	2313.21	0.00	1746.40	2306.23	0.00	6.97	0 00:00	0.00	0.00
18	LineB-21	Junction	2311.36	2321.72	2311.36	2321.72	0.00	1746.40	2317.93	0.00	3.80	0 00:00	0.00	0.00
19	LineB2-10	Junction	2283.41	2292.00	2283.41	2288.07	0.00	33.50	2284.89	0.00	7.11	0 00:00	0.00	0.00
20	LineB2-2	Junction	2241.52	2245.03	2241.52	2245.03	0.00	48.20	2243.41	0.00	1.63	0 00:00	0.00	0.00
21	LineB2-3	Junction	2244.71	2256.00	2244.71	2249.37	0.00	108.50	2246.65	0.00	9.35	0 00:00	0.00	0.00
22	LineB-23	Junction	2312.17	2322.54	2312.17	2322.54	0.00	1746.40	2318.75	0.00	3.80	0 00:00	0.00	0.00
23	LineB2-4	Junction	2263.34	2274.00	2263.34	2268.00	0.00	92.50	2265.37	0.00	8.63	0 00:00	0.00	0.00
24	LineB2-5	Junction	2248.74	2257.00	2248.74	2253.40	0.00	92.50	2250.68	0.00	6.32	0 00:00	0.00	0.00
25	LineB2-6	Junction	2273.80	2285.00	2273.80	2278.46	0.00	92.50	2275.83	0.00	9.17	0 00:00	0.00	0.00
26	LineB-26	Junction	2315.55	2325.92	2315.55	2325.92	0.00	1746.40	2321.95	0.00	3.96	0 00:00	0.00	0.00
27	LineB2-8	Junction	2282.34	2290.00	2282.34	2287.00	0.00	33.90	2283.82	0.00	6.18	0 00:00	0.00	0.00
28	LineB-28	Junction	2316.95	2327.32	2316.95	2327.32	0.00	1746.40	2323.35	0.00	3.96	0 00:00	0.00	0.00
29	LineB-30	Junction	2318.81	2329.18	2318.81	2329.18	0.00	1746.40	2325.27	0.00	3.91	0 00:00	0.00	0.00
30	LineB3-1	Junction	2300.00	2307.00	2297.22	2300.74	0.00	22.90	2301.10	0.00	5.90	0 00:00	0.00	0.00
31	LineB3-2	Junction	2307.22	2314.00	2307.22	2310.74	0.00	22.90	2308.32	0.00	5.68	0 00:00	0.00	0.00
32	LineB-32	Junction	2320.04	2330.41	2320.04	2330.41	0.00	1746.40	2326.50	0.00	3.91	0 00:00	0.00	0.00
33	LineB-33	Junction	2321.27	2331.63	2321.27	2331.63	0.00	1746.40	2327.73	0.00	3.91	0 00:00	0.00	0.00
34	LineB-36	Junction	2329.36	2339.73	2329.36	2339.73	0.00	1746.40	2334.84	0.00	4.90	0 00:00	0.00	0.00
35	LineB-38	Junction	2331.47	2341.84	2331.47	2341.84	0.00	1746.40	2337.56	0.00	4.28	0 00:00	0.00	0.00
36	LineB-4	Junction	2232.00	2253.75	2235.87	2253.75	10.00	2026.60	2243.02	0.00	10.73	0 00:00	0.00	0.00
37	LineB-40	Junction	2331.93	2342.30	2331.93	2342.30	0.00	1746.40	2338.02	0.00	4.28	0 00:00	0.00	0.00
38	LineB-41	Junction	2333.23	2343.56	2333.23	2343.56	0.00	1746.40	2339.30	0.00	4.26	0 00:00	0.00	0.00
39	LineB-5	Junction	2234.50	2253.45	2237.66	2253.45	10.00	1955.70	2240.83	0.00	12.62	0 00:00	0.00	0.00
40	LineB-7	Junction	2235.00	2248.40	2238.03	2248.40	0.00	1847.20	2241.64	0.00	6.76	0 00:00	0.00	0.00
41	LineB-9	Junction	2236.00	2249.30	2238.93	2249.30	0.00	1847.20	2242.64	0.00	6.67	0 00:00	0.00	0.00
42	LineC-11	Junction	2245.00	2253.00	2243.73	2248.39	0.00	29.70	2246.19	0.00	6.81	0 00:00	0.00	0.00
43	LineC-13	Junction	2253.04	2260.00	2253.04	2257.70	0.00	29.70	2254.19	0.00	5.81	0 00:00	0.00	0.00
44	LineC-15	Junction	2259.35	2268.00	2259.35	2264.01	0.00	29.70	2260.74	0.00	7.26	0 00:00	0.00	0.00
45	LineC-17	Junction	2259.79	2269.00	2259.79	2264.45	0.00	29.70	2261.17	0.00	7.83	0 00:00	0.00	0.00
46	LineC-3	Junction	2226.14	2236.00	2226.14	2230.80	0.00	74.10	2228.45	0.00	7.55	0 00:00	0.00	0.00
47	LineC-5	Junction	2231.00	2241.00	2228.87	2233.53	0.00	74.10	2233.31	0.00	7.69	0 00:00	0.00	0.00
48	LineC-7	Junction	2233.00	2241.00	2230.03	2234.69	0.00	74.10	2234.97	0.00	6.03	0 00:00	0.00	0.00
49	LineC-9	Junction	2234.00	2241.00	2230.68	2235.34	0.00	60.30	2235.69	0.00	5.31	0 00:00	0.00	0.00
50	LineC-End	Junction	2266.65	2274.00	2266.65	0.00	0.00	29.70	2267.61	0.00	6.39	0 00:00	0.00	0.00
51	LineD-11	Junction	2296.19	2304.00	2296.19	2300.85	0.00	145.10	2298.69	0.00	5.31	0 00:00	0.00	0.00
52	LineD-13	Junction	2301.98	2310.00	2301.98	2306.63	0.00	145.10	2304.66	0.00	5.34	0 00:00	0.00	0.00
53	LineD-15	Junction	2305.00	2314.00	2302.64	2307.30	0.00	145.10	2307.68	0.00	6.32	0 00:00	0.00	0.00
54	LineD-17	Junction	2306.27	2316.00	2306.27	2310.92	0.00	137.70	2309.43	0.00	6.57	0 00:00	0.00	0.00
55	LineD-19	Junction	2308.39	2317.00	2308.39	2313.05	0.00	101.10	2311.55	0.00	5.45	0 00:00	0.00	0.00
56	LineD-21	Junction	2311.90	2320.00	2309.10	2313.76	0.00	101.10	2314.78	0.00	5.22	0 00:00	0.00	0.00
57	LineD-23	Junction	2320.00	2328.00	2316.96	2321.62	0.00	101.10	2322.00	0.00	6.00	0 00:00	0.00	0.00
58	LineD-3	Junction	2268.00	2274.00	2263.70	2268.36	0.00	176.50	2271.93	0.00	2.07	0 00:00	0.00	0.00
59	LineD-5	Junction	2271.27	2279.00	2271.27	2275.93	0.00	158.40	2274.51	0.00	4.49	0 00:00	0.00	0.00
60	LineD-7	Junction	2271.97	2280.00	2271.97	2276.63	0.00	145.10	2274.84	0.00	5.16	0 00:00	0.00	0.00
61	LineD-9	Junction	2275.71	2289.00	2275.71	2280.37	0.00	145.10	2278.58	0.00	10.42	0 00:00	0.00	0.00
62	LineE-11	Junction	2295.00	2304.00	2289.63	2294.29	0.00	84.70	2296.93	0.00	7.07	0 00:00	0.00	0.00
63	LineE-13	Junction	2306.00	2315.00	2296.67	2301.33	0.00	84.70	2308.21	0.00	6.79	0 00:00	0.00	0.00
64	LineE-15	Junction	2315.00	2322.00	2304.90	2309.56	0.00	64.60	2317.21	0.00	4.79	0 00:00	0.00	0.00
65	LineE-16	Junction	2324.89	2332.00	2324.89	2329.55	0.00	17.10	2325.83	0.00	6.17	0 00:00	0.00	0.00
66	LineE-3	Junction	2289.50	2297.00	2285.03	2289.69	0.00	108.30	2292.03	0.00	4.97	0 00:00	0.00	0.00
67	LineE-5	Junction	2290.00	2298.00	2285.52	2290.18	0.00	108.30	2292.78	0.00	5.22	0 00:00	0.00	0.00
68	LineE-7	Junction	2291.00	2298.00	2287.23	2291.89	0.00	90.80	2293.78	0.00	4.22	0 00:00	0.00	0.00
69	LineE-9	Junction	2292.00	2300.00	2287.91	2292.57	0.00	90.80	2293.99	0.00	6.01	0 00:00	0.00	0.00
70	LineF1-1	Junction	2353.00	2365.00	2355.95	2359.47	0.00	239.40	2356.27	0.00	8.73	0 00:00	0.00	0.00
71	LineF-11	Junction	2350.00	2364.00	2345.86	2364.48	10.00	426.40	2353.86	0.00	10.14	0 00:00	0.00	0.00
72	LineF1-3	Junction	2357.00	2368.00	2358.85	2362.37	0.00	233.10	2360.27	0.00	7.73	0 00:00	0.00	0.00
73	LineF-13	Junction	2351.90	2365.00	2346.78	2351.44	0.00	187.00	2355.43	0.00	9.57	0 00:00	0.00	0.00
74	LineF1-5	Junction	2367.00	2376.00	2366.85	2370.37	0.00	233.10	2370.11	0.00	5.89	0 00:00	0.00	0.00
75	LineF-15	Junction	2354.90	2365.50	2348.30	2352.96	0.00	176.20	2359.00	0.00	6.50	0 00:00	0.00	0.00
76	LineF1-7	Junction	2372.39	2379.00	2372.39	2375.90	0.00	233.10	2375.50	0.00	3.50	0 00:00	0.00	0.00
77	LineF-17	Junction	2356.90	2366.50	2349.92	2354.58	0.00	150.70	2360.90	0.00	5.60	0 00:00	0.00	0.00
78	LineF1-9	Junction	2372.77	2380.00	2372.77	2376.29	0.00	11.60	2373.61	0.00	6.39	0 00:00	0.00	0.00
79	LineF-19	Junction	2358.00	2367.00	2353.83	2358.49	0.00	150.70	2361.71	0.00	5.29	0 00:00	0.00	0.00
80	LineF1-End	Junction	2375.49	2381.00	2375.49	0.00	0.00	11.60	2376.20	0.00	4.80	0 00:00	0.00	0.00
81	LineF-21	Junction	2362.80	2371.00	2354.82	2359.48	0.00	134.20	2365.51	0.00	5.49	0 00:00	0.00	0.00

Node Summary

SN	Element ID	Element Type	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Initial Water Elevation (ft)	Surcharge Elevation (ft)	Ponded Area (ft²)	Peak Inflow (cfs)	Max HGL Elevation Attained (ft)	Max Surcharge Depth Attained (ft)	Min Freeboard Attained (ft)	Time of Peak Flooding Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
82	LineF-23	Junction	2363.80	2371.50	2357.72	2362.38	0.00	134.20	2366.18	0.00	5.32	0 00:00	0.00	0.00
83	LineF-25	Junction	2368.34	2375.00	2368.34	2373.00	0.00	134.20	2370.29	0.00	4.71	0 00:00	0.00	0.00
84	LineF-3	Junction	2343.00	2353.00	2340.37	2345.03	0.00	433.30	2347.17	0.00	5.83	0 00:00	0.00	0.00
85	LineF-5	Junction	2344.00	2353.00	2340.79	2345.45	0.00	426.40	2348.51	0.00	4.49	0 00:00	0.00	0.00
86	LineF-7	Junction	2346.00	2356.00	2342.84	2347.50	0.00	426.40	2351.05	0.00	4.95	0 00:00	0.00	0.00
87	LineF-9	Junction	2349.50	2364.00	2345.60	2350.26	0.00	426.40	2354.55	0.00	9.45	0 00:00	0.00	0.00
88	LineG-03	Junction	2391.12	2394.50	2391.12	2394.63	0.00	61.20	2393.15	0.00	1.35	0 00:00	0.00	0.00
89	LineG-05	Junction	2392.40	2409.00	2392.40	2395.91	0.00	61.20	2394.43	0.00	14.57	0 00:00	0.00	0.00
90	LineG-07	Junction	2394.23	2408.00	2394.23	2397.75	0.00	61.20	2396.45	0.00	11.55	0 00:00	0.00	0.00
91	LineG-08{LineG}	Junction	2395.35	2401.00	2395.35	2398.87	0.00	57.50	2397.57	0.00	3.43	0 00:00	0.00	0.00
92	Out-1LineA-01	Outfall	2201.00					2770.80	2206.37					
93	Out-1LineB-3	Outfall	2228.62					2026.60	2234.90					
94	Out-1LineC-2	Outfall	2225.60					74.10	2227.61					
95	Out-1LineD-2	Outfall	2266.00					176.50	2269.93					
96	Out-1LineE-2	Outfall	2289.00					108.30	2291.45					
97	Out-1LineF-2	Outfall	2340.10					433.30	2344.28					
98	Out-1LineG-02	Outfall	2390.10					61.20	2392.13					

Link Summary

SN	Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Reported Condition
					(ft)	(ft)	(ft)	(%)	(ft)		(cfs)	(cfs)		(ft/sec)	(ft)		(min)	
1	LineA-01	Pipe	LineA-02	Out-1LineA-01	29.37	2201.30	2201.00	1.0200	8.000	0.0140	2770.80	3691.97	0.75	21.49	5.37	0.67	0.00	Calculated
2	LineA-03	Pipe	LineA-04	LineA-02	148.17	2202.30	2201.30	0.6700	8.000	0.0140	2745.70	3001.18	0.91	18.36	6.23	0.78	0.00	Calculated
3	LineA-05	Pipe	LineA-06	LineA-04	29.39	2202.50	2202.30	0.6800	8.000	0.0140	2739.60	3013.50	0.91	18.41	6.20	0.77	0.00	Calculated
4	LineA-07	Pipe	LineA-08	LineA-06	184.92	2203.80	2202.50	0.7000	8.000	0.0140	2727.10	3062.98	0.89	18.62	6.10	0.76	0.00	Calculated
5	LineA-09	Pipe	LineA-10	LineA-08	62.84	2204.20	2203.80	0.6400	8.000	0.0140	2727.10	2914.59	0.94	17.93	6.34	0.79	0.00	Calculated
6	LineA-11	Pipe	LineA-11	LineA-10	60.72	2205.00	2204.20	1.3200	8.000	0.0140	2727.10	3319.52	0.82	23.53	5.79	0.72	0.00	Calculated
7	LineA-13	Pipe	LineA-End	LineA-11	181.29	2208.90	2205.00	2.1500	8.000	0.0140	2727.10	2963.38	0.92	33.67	6.23	0.78	0.00	Calculated
8	LineB-10	Pipe	LineB-9	LineB-7	48.60	2236.00	2235.00	2.0600	10.000	0.0130	1847.20	2372.19	0.78	33.39	6.64	0.66	0.00	Calculated
9	LineB1-1	Pipe	LineB2-2	LineB-4	38.26	2241.52	2241.13	1.0000	3.000	0.0130	48.20	66.70	0.72	10.28	1.89	0.63	0.00	Calculated
10	LineB-11	Pipe	LineB-12	LineB-9	863.94	2256.17	2236.00	2.3300	10.000	0.0130	1839.80	2526.63	0.73	35.09	6.33	0.63	0.00	Calculated
11	LineB1-11	Pipe	LineB1-End	LineB1-9	85.41	2282.00	2277.67	5.0700	3.000	0.0130	15.00	150.17	0.10	13.59	0.64	0.21	0.00	Calculated
12	LineB1-2	Pipe	LineB1-3	LineB2-2	26.88	2241.79	2241.52	1.0000	3.000	0.0130	48.20	66.82	0.72	10.29	1.89	0.63	0.00	Calculated
13	LineB-13	Pipe	LineB-14	LineB-12	380.76	2280.00	2256.17	6.2600	9.000	0.0130	1839.80	3123.89	0.59	50.00	4.97	0.55	0.00	Calculated
14	LineB1-4	Pipe	LineB1-5	LineB1-3	134.75	2246.00	2241.79	3.1300	3.000	0.0130	38.80	117.95	0.33	14.95	1.18	0.39	0.00	Calculated
15	LineB-15	Pipe	LineB-17	LineB-14	158.35	2284.00	2280.00	2.5300	10.000	0.0130	1839.80	2628.34	0.70	36.19	6.17	0.62	0.00	Calculated
16	LineB1-6	Pipe	LineB1-7	LineB1-5	600.00	2260.00	2246.00	2.3300	3.000	0.0130	15.00	101.88	0.15	10.31	0.78	0.26	0.00	Calculated
17	LineB-16	Pipe	LineB-18	LineB-17	204.66	2289.00	2284.00	2.4400	10.000	0.0130	1746.40	2584.82	0.68	35.31	6.03	0.60	0.00	Calculated
18	LineB1-8	Pipe	LineB1-9	LineB1-7	751.22	2277.67	2260.00	2.3500	3.000	0.0130	15.00	102.29	0.15	10.34	0.78	0.26	0.00	Calculated
19	LineB-19	Pipe	LineB-20	LineB-18	498.94	2300.00	2289.00	2.2000	10.000	0.0130	1746.40	2455.45	0.71	33.93	6.23	0.62	0.00	Calculated
20	LineB2-1	Pipe	LineB2-3	LineB-5	288.74	2244.71	2237.15	2.6200	4.000	0.0130	108.50	232.39	0.47	18.17	1.92	0.48	0.00	Calculated
21	LineB-22	Pipe	LineB-21	LineB-20	422.09	2311.36	2300.00	2.6900	10.000	0.0130	1746.40	2712.59	0.64	36.66	5.84	0.58	0.00	Calculated
22	LineB2-3	Pipe	LineB2-4	LineB2-5	290.94	2263.34	2248.74	5.0200	3.000	0.0130	92.50	149.41	0.62	22.24	1.71	0.57	0.00	Calculated
23	LineB2-4	Pipe	LineB2-5	LineB2-3	217.32	2248.74	2244.71	1.8600	4.000	0.0130	92.50	195.68	0.47	15.35	1.94	0.48	0.00	Calculated
24	LineB-24	Pipe	LineB-23	LineB-21	79.00	2312.17	2311.36	1.0400	10.000	0.0130	1746.40	2430.83	0.72	24.16	6.57	0.66	0.00	Calculated
25	LineB2-5	Pipe	LineB2-6	LineB2-4	348.54	2273.80	2263.34	3.0000	3.000	0.0130	92.50	115.53	0.80	18.16	2.03	0.68	0.00	Calculated
26	LineB-25	Pipe	LineB-26	LineB-23	168.78	2315.55	2312.17	2.0000	8.000	0.0130	1746.40	2202.28	0.79	30.96	5.64	0.71	0.00	Calculated
27	LineB2-7	Pipe	LineB2-8	LineB2-6	426.91	2282.34	2273.80	2.0000	3.000	0.0130	33.90	94.33	0.36	12.24	1.24	0.41	0.00	Calculated
28	LineB-27	Pipe	LineB-28	LineB-26	126.18	2316.95	2315.55	1.1100	10.000	0.0130	1746.40	2514.93	0.69	24.80	6.40	0.64	0.00	Calculated
29	LineB2-9	Pipe	LineB2-10	LineB2-8	101.01	2283.41	2282.34	1.0600	3.000	0.0130	33.50	68.73	0.49	9.66	1.48	0.49	0.00	Calculated
30	LineB-29	Pipe	LineB-30	LineB-28	186.35	2318.81	2316.95	1.0000	10.000	0.0130	1746.40	2677.58	0.65	23.90	6.09	0.61	0.00	Calculated
31	LineB-3	Pipe	LineB-4	Out-1LineB-3	215.38	2232.00	2228.62	1.5700	9.000	0.0130	2026.60	2592.92	0.78	29.33	6.28	0.70	0.00	Calculated
32	LineB3-1	Pipe	LineB3-1	LineB-17	300.00	2300.00	2294.22	1.9300	3.000	0.0130	22.90	92.58	0.25	10.84	1.02	0.34	0.00	Calculated
33	LineB-31	Pipe	LineB-32	LineB-30	113.46	2320.04	2318.81	1.0800	10.000	0.0130	1746.40	2485.03	0.70	24.57	6.46	0.65	0.00	Calculated
34	LineB3-2	Pipe	LineB3-2	LineB3-1	500.00	2307.22	2300.00	1.4400	3.000	0.0130	22.90	80.15	0.29	9.78	1.10	0.37	0.00	Calculated
35	LineB-34	Pipe	LineB-33	LineB-32	113.46	2321.27	2320.04	1.0800	10.000	0.0130	1746.40	2485.03	0.70	24.57	6.46	0.65	0.00	Calculated
36	LineB-35	Pipe	LineB-36	LineB-33	477.11	2329.36	2321.27	1.7000	9.000	0.0130	1746.40	2697.45	0.65	29.14	5.45	0.61	0.00	Calculated
37	LineB-37	Pipe	LineB-38	LineB-36	125.66	2331.47	2329.36	1.6800	9.000	0.0130	1746.40	2682.62	0.65	29.02	5.47	0.61	0.00	Calculated
38	LineB-39	Pipe	LineB-40	LineB-38	36.29	2331.93	2331.47	1.2600	9.000	0.0130	1746.40	2327.09	0.75	26.07	6.09	0.68	0.00	Calculated
39	LineB-42	Pipe	LineB-41	LineB-40	101.56	2333.23	2331.93	1.2800	9.000	0.0130	1746.40	2338.28	0.75	26.16	6.07	0.67	0.00	Calculated
40	LineB-6	Pipe	LineB-5	LineB-4	125.16	2234.50	2232.00	2.0000	8.000	0.0130	1955.70	2488.44	0.79	31.86	5.58	0.70	0.00	Calculated
41	LineB-8	Pipe	LineB-7	LineB-5	21.25	2235.00	2234.50	2.3500	10.000	0.0130	1847.20	2536.58	0.73	35.23	6.33	0.63	0.00	Calculated
42	LineC-10	Pipe	LineC-11	LineC-9	613.49	2245.00	2234.00	1.7900	3.000	0.0130	29.70	89.31	0.33	11.35	1.19	0.40	0.00	Calculated
43	LineC-12	Pipe	LineC-13	LineC-11	310.32	2253.04	2245.00	2.5900	3.000	0.0130	29.70	107.35	0.28	12.98	1.08	0.36	0.00	Calculated
44	LineC-14	Pipe	LineC-15	LineC-13	314.17	2259.35	2253.04	2.0100	3.000	0.0130	29.70	94.52	0.31	11.82	1.16	0.39	0.00	Calculated
45	LineC-16	Pipe	LineC-17	LineC-15	42.25	2259.79	2259.35	1.0400	3.000	0.0130	29.70	68.05	0.44	9.30	1.39	0.46	0.00	Calculated
46	LineC-18	Pipe	LineC-End	LineC-17	171.55	2266.65	2259.79	4.0000	3.000	0.0130	29.70	133.40	0.22	15.19	0.96	0.32	0.00	Calculated
47	LineC-2	Pipe	LineC-3	Out-1LineC-2	52.04	2226.14	2225.60	1.0400	4.000	0.0130	74.10	146.23	0.51	11.67	2.02	0.50	0.00	Calculated
48	LineC-4	Pipe	LineC-5	LineC-3	347.96	2231.00	2226.14	1.4000	3.000	0.0130	74.10	78.85	0.94	12.67	2.31	0.77	0.00	Calculated
49	LineC-6	Pipe	LineC-7	LineC-5	95.36	2233.00	2231.00	2.1000	3.000	0.0130	74.10	96.60	0.77	15.06	1.97	0.66	0.00	Calculated
50	LineC-8	Pipe	LineC-9	LineC-7	45.32	2234.00	2233.00	2.2100	3.000	0.0130	60.30	99.08	0.61	14.69	1.69	0.56	0.00	Calculated
51	LineD-10	Pipe	LineD-11	LineD-9	682.77	2296.19	2275.71	3.0000	4.000	0.0130	145.10	248.80	0.58	20.55	2.19	0.55	0.00	Calculated
52	LineD-12	Pipe	LineD-13	LineD-11	288.26	2301.98	2296.19	2.0100	4.000	0.0130	145.10	203.50	0.71	17.58	2.50	0.62	0.00	Calculated
53	LineD-14	Pipe	LineD-15	LineD-13	185.00	2305.00	2301.98	1.6300	4.000	0.0130	145.10	183.65	0.79	16.20	2.68	0.67	0.00	Calculated
54	LineD-16	Pipe	LineD-17	LineD-15	19.72	2306.27	2305.10	5.9100	4.000	0.0130	137.70	349.28	0.39	26.12	1.75	0.44	0.00	Calculated
55	LineD-18	Pipe	LineD-19	LineD-17	400.00	2308.39	2306.27	0.5300	4.000	0.0130	101.10	104.70	0.97	9.49	3.16	0.79	0.00	Calculated
56	LineD-2	Pipe	LineD-3	Out-1LineD-2	400.00	2268.00	2266.00	0.5000	5.000	0.0130	176.50	184.16	0.96	10.67	3.93	0.79	0.00	Calculated
57	LineD-20	Pipe	LineD-21	LineD-19	531.00	2311.90	2308.39	0.6600	4.000	0.0130	101.10	116.77	0.87	10.45	2.88	0.72	0.00	Calculated
58	LineD-22	Pipe	LineD-23	LineD-21	400.00	2320.00	2312.00	2.0000	4.000	0.0130	101.10	203.14	0.50	16.14	2.00	0.50	0.00	Calculated

Link Summary

SN	Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Diameter or Height	Manning's Roughness	Peak Flow	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Reported Condition
					(ft)	(ft)	(ft)	(%)	(ft)		(cfs)	(cfs)		(ft/sec)	(ft)		(min)	
59	LineD-4	Pipe	LineD-5	LineD-3	378.90	2271.27	2268.00	0.8600	4.500	0.0130	158.40	182.80	0.87	12.93	3.24	0.72	0.00	Calculated
60	LineD-6	Pipe	LineD-7	LineD-5	63.08	2271.97	2271.27	1.1100	4.500	0.0130	145.10	207.00	0.70	14.08	2.78	0.62	0.00	Calculated
61	LineD-8	Pipe	LineD-9	LineD-7	371.28	2275.71	2271.97	1.0100	4.500	0.0130	145.10	197.22	0.74	13.56	2.87	0.64	0.00	Calculated
62	LineE-10	Pipe	LineE-11	LineE-9	172.15	2295.00	2292.00	1.7400	4.000	0.0130	84.70	189.62	0.45	14.66	1.87	0.47	0.00	Calculated
63	LineE-12	Pipe	LineE-13	LineE-11	703.70	2306.00	2295.00	1.5600	4.000	0.0130	84.70	179.59	0.47	14.08	1.93	0.48	0.00	Calculated
64	LineE-14	Pipe	LineE-15	LineE-13	760.22	2315.00	2306.00	1.1800	3.000	0.0130	64.60	72.57	0.89	11.59	2.21	0.74	0.00	Calculated
65	LineE-16	Pipe	LineE-16	LineE-15	666.35	2324.89	2315.00	1.4800	3.000	0.0130	17.10	81.28	0.21	9.11	0.93	0.31	0.00	Calculated
66	LineE-2	Pipe	LineE-3	Out-1LineE-2	42.34	2289.50	2289.00	1.1800	4.000	0.0130	108.30	156.10	0.69	13.41	2.45	0.61	0.00	Calculated
67	LineE-4	Pipe	LineE-5	LineE-3	46.26	2290.00	2289.50	1.0800	4.000	0.0130	108.30	149.34	0.73	12.95	2.53	0.63	0.00	Calculated
68	LineE-6	Pipe	LineE-7	LineE-5	171.27	2291.00	2290.00	0.5800	4.000	0.0130	90.80	109.76	0.83	9.76	2.78	0.69	0.00	Calculated
69	LineE-8	Pipe	LineE-9	LineE-7	61.38	2292.00	2291.00	1.6300	4.000	0.0130	90.80	183.35	0.50	14.55	1.99	0.50	0.00	Calculated
70	LineF-10	Pipe	LineF-11	LineF-9	16.20	2350.00	2349.50	3.0900	6.500	0.0130	426.40	921.18	0.46	27.22	3.11	0.48	0.00	Calculated
71	LineF1-1	Pipe	LineF1-1	LineF-11	10.34	2353.00	2352.00	9.6700	5.000	0.0130	239.40	809.83	0.30	35.89	1.86	0.37	0.00	Calculated
72	LineF1-10	Pipe	LineF1-End	LineF1-9	135.82	2375.49	2372.77	2.0000	3.000	0.0130	11.60	94.33	0.12	9.06	0.71	0.24	0.00	Calculated
73	LineF1-2	Pipe	LineF1-3	LineF1-1	289.66	2357.00	2353.00	1.3800	5.000	0.0130	233.10	306.06	0.76	17.16	3.27	0.65	0.00	Calculated
74	LineF-12	Pipe	LineF-13	LineF-11	52.89	2351.90	2350.00	3.5900	5.000	0.0130	187.00	493.62	0.38	23.38	2.13	0.43	0.00	Calculated
75	LineF1-4	Pipe	LineF1-5	LineF1-3	400.00	2367.00	2357.00	2.5000	4.500	0.0130	233.10	310.93	0.75	21.45	2.91	0.65	0.00	Calculated
76	LineF-14	Pipe	LineF-15	LineF-13	420.00	2354.90	2352.00	0.6900	5.000	0.0130	176.20	216.41	0.81	12.28	3.43	0.69	0.00	Calculated
77	LineF1-6	Pipe	LineF1-7	LineF1-5	184.60	2372.39	2367.00	2.9200	4.000	0.0130	233.10	245.36	0.95	22.20	3.11	0.78	0.00	Calculated
78	LineF-16	Pipe	LineF-17	LineF-15	542.00	2356.90	2355.00	0.3500	5.000	0.0130	150.70	154.20	0.98	8.95	4.00	0.80	0.00	Calculated
79	LineF1-8	Pipe	LineF1-9	LineF1-7	37.19	2372.77	2372.39	1.0300	3.000	0.0130	11.60	67.72	0.17	7.15	0.84	0.28	0.00	Calculated
80	LineF-18	Pipe	LineF-19	LineF-17	70.69	2358.00	2357.00	1.4100	5.000	0.0130	150.70	309.77	0.49	15.66	2.46	0.49	0.00	Calculated
81	LineF-2	Pipe	LineF-3	Out-1LineF-2	234.51	2343.00	2340.10	1.2400	6.500	0.0130	433.30	582.76	0.74	19.24	4.17	0.64	0.00	Calculated
82	LineF-20	Pipe	LineF-21	LineF-19	280.16	2362.80	2359.00	1.3600	4.000	0.0130	134.20	167.29	0.80	14.79	2.71	0.68	0.00	Calculated
83	LineF-22	Pipe	LineF-23	LineF-21	40.48	2363.80	2363.00	1.9800	4.000	0.0130	134.20	201.93	0.66	17.18	2.38	0.60	0.00	Calculated
84	LineF-24	Pipe	LineF-25	LineF-23	113.49	2368.34	2364.00	3.8300	4.000	0.0130	134.20	281.04	0.48	22.10	1.95	0.49	0.00	Calculated
85	LineF-4	Pipe	LineF-5	LineF-3	22.46	2344.00	2343.00	4.4500	6.500	0.0130	426.40	1106.29	0.39	31.15	2.80	0.43	0.00	Calculated
86	LineF-6	Pipe	LineF-7	LineF-5	206.87	2346.00	2344.00	0.9700	6.500	0.0130	426.40	515.49	0.83	17.35	4.51	0.69	0.00	Calculated
87	LineF-8	Pipe	LineF-9	LineF-7	475.05	2349.50	2346.00	0.7400	6.500	0.0130	426.40	450.01	0.95	15.42	5.05	0.78	0.00	Calculated
88	LineG-02	Pipe	LineG-03	Out-1LineG-02	77.70	2391.12	2390.10	1.3100	3.000	0.0130	61.20	76.37	0.80	12.00	2.03	0.68	0.00	Calculated
89	LineG-04	Pipe	LineG-05	LineG-03	51.06	2392.40	2391.12	2.5000	3.000	0.0130	61.20	105.51	0.58	15.47	1.64	0.55	0.00	Calculated
90	LineG-06	Pipe	LineG-07	LineG-05	268.00	2394.23	2392.40	0.6800	4.000	0.0130	61.20	118.87	0.51	9.53	2.04	0.51	0.00	Calculated
91	LineG-08	Pipe	LineG-08{LineG}	LineG-07	244.83	2395.35	2394.23	0.4600	4.000	0.0130	57.50	97.12	0.59	8.05	2.22	0.55	0.00	Calculated

Junction Input

SN	Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Ground/Rim (Max) Offset (ft)	Initial Water Elevation (ft)	Initial Water Depth (ft)	Surcharge Elevation (ft)	Surcharge Depth (ft)	Ponded Area (ft^2)	Minimum Pipe Cover (ft)
1	LineA-02	2201.30	2212.00	10.70	2201.17	-0.13	2210.67	-1.33	0.00	0.00
2	LineA-04	2202.30	2213.00	10.70	2202.07	-0.23	2211.57	-1.43	0.00	0.00
3	LineA-06	2202.50	2213.00	10.50	2202.15	-0.35	2211.65	-1.35	0.00	0.00
4	LineA-08	2203.80	2215.00	11.20	2202.74	-1.06	2212.24	-2.76	0.00	0.00
5	LineA-10	2204.20	2215.00	10.80	2203.00	-1.20	2212.50	-2.50	0.00	0.00
6	LineA-11	2205.00	2216.00	11.00	2203.81	-1.19	2213.32	-2.68	0.00	0.00
7	LineA-End	2208.90	2219.00	10.10	2208.56	-0.34	0.00	-2219.00	0.00	0.00
8	LineB-12	2256.17	2266.53	10.37	2256.17	0.00	2266.53	0.00	0.00	0.00
9	LineB1-3	2241.79	2245.30	3.52	2241.79	0.00	2245.30	0.00	0.00	0.00
10	LineB-14	2280.00	2297.00	17.00	2286.63	6.63	2297.00	0.00	0.00	0.00
11	LineB1-5	2246.00	2253.00	7.00	2243.13	-2.87	2246.65	-6.35	0.00	0.00
12	LineB1-7	2260.00	2269.00	9.00	2255.13	-4.87	2258.65	-10.35	0.00	0.00
13	LineB-17	2284.00	2303.22	19.22	2289.80	5.80	2303.22	0.00	10.00	0.00
14	LineB-18	2289.00	2302.24	13.24	2291.88	2.88	2302.24	0.00	0.00	0.00
15	LineB1-9	2277.67	2284.00	6.33	2277.67	0.00	2281.19	-2.81	0.00	0.00
16	LineB1-End	2282.00	2288.00	6.00	2281.94	-0.06	0.00	-2288.00	0.00	0.00
17	LineB-20	2300.00	2313.21	13.21	2302.84	2.84	2313.21	0.00	0.00	0.00
18	LineB-21	2311.36	2321.72	10.37	2311.36	0.00	2321.72	0.00	0.00	0.00
19	LineB2-10	2283.41	2292.00	8.59	2283.41	0.00	2288.07	-3.93	0.00	0.00
20	LineB2-2	2241.52	2245.03	3.52	2241.52	0.00	2245.03	0.00	0.00	0.00
21	LineB2-3	2244.71	2256.00	11.29	2244.71	0.00	2249.37	-6.63	0.00	0.00
22	LineB-23	2312.17	2322.54	10.37	2312.17	0.00	2322.54	0.00	0.00	0.00
23	LineB2-4	2263.34	2274.00	10.66	2263.34	0.00	2268.00	-6.00	0.00	0.00
24	LineB2-5	2248.74	2257.00	8.26	2248.74	0.00	2253.40	-3.60	0.00	0.00
25	LineB2-6	2273.80	2285.00	11.20	2273.80	0.00	2278.46	-6.54	0.00	0.00
26	LineB-26	2315.55	2325.92	10.37	2315.55	0.00	2325.92	0.00	0.00	0.00
27	LineB2-8	2282.34	2290.00	7.66	2282.34	0.00	2287.00	-3.01	0.00	0.00
28	LineB-28	2316.95	2327.32	10.37	2316.95	0.00	2327.32	0.00	0.00	0.00
29	LineB-30	2318.81	2329.18	10.37	2318.81	0.00	2329.18	0.00	0.00	0.00
30	LineB3-1	2300.00	2307.00	7.00	2297.22	-2.78	2300.74	-6.26	0.00	0.00
31	LineB3-2	2307.22	2314.00	6.78	2307.22	0.00	2310.74	-3.26	0.00	0.00
32	LineB-32	2320.04	2330.41	10.37	2320.04	0.00	2330.41	0.00	0.00	0.00
33	LineB-33	2321.27	2331.63	10.37	2321.27	0.00	2331.63	0.00	0.00	0.00
34	LineB-36	2329.36	2339.73	10.37	2329.36	0.00	2339.73	0.00	0.00	0.00
35	LineB-38	2331.47	2341.84	10.37	2331.47	0.00	2341.84	0.00	0.00	0.00
36	LineB-4	2232.00	2253.75	21.75	2235.87	3.87	2253.75	0.00	10.00	0.00
37	LineB-40	2331.93	2342.30	10.37	2331.93	0.00	2342.30	0.00	0.00	0.00
38	LineB-41	2333.23	2343.56	10.33	2333.23	0.00	2343.56	0.00	0.00	0.00
39	LineB-5	2234.50	2253.45	18.95	2237.66	3.16	2253.45	0.00	10.00	0.00
40	LineB-7	2235.00	2248.40	13.40	2238.03	3.03	2248.40	0.00	0.00	0.00
41	LineB-9	2236.00	2249.30	13.30	2238.93	2.93	2249.30	0.00	0.00	0.00
42	LineC-11	2245.00	2253.00	8.00	2243.73	-1.27	2248.39	-4.61	0.00	0.00
43	LineC-13	2253.04	2260.00	6.96	2253.04	0.00	2257.70	-2.30	0.00	0.00
44	LineC-15	2259.35	2268.00	8.65	2259.35	0.00	2264.01	-3.99	0.00	0.00
45	LineC-17	2259.79	2269.00	9.21	2259.79	0.00	2264.45	-4.55	0.00	0.00
46	LineC-3	2226.14	2236.00	9.86	2226.14	0.00	2230.80	-5.21	0.00	0.00
47	LineC-5	2231.00	2241.00	10.00	2228.87	-2.13	2233.53	-7.47	0.00	0.00
48	LineC-7	2233.00	2241.00	8.00	2230.03	-2.97	2234.69	-6.31	0.00	0.00
49	LineC-9	2234.00	2241.00	7.00	2230.68	-3.32	2235.34	-5.66	0.00	0.00
50	LineC-End	2266.65	2274.00	7.35	2266.65	0.00	0.00	-2274.00	0.00	0.00
51	LineD-11	2296.19	2304.00	7.81	2296.19	0.00	2300.85	-3.15	0.00	0.00
52	LineD-13	2301.98	2310.00	8.02	2301.98	0.00	2306.63	-3.37	0.00	0.00
53	LineD-15	2305.00	2314.00	9.00	2302.64	-2.36	2307.30	-6.71	0.00	0.00
54	LineD-17	2306.27	2316.00	9.73	2306.27	0.00	2310.92	-5.08	0.00	0.00
55	LineD-19	2308.39	2317.00	8.61	2308.39	0.00	2313.05	-3.95	0.00	0.00
56	LineD-21	2311.90	2320.00	8.10	2309.10	-2.80	2313.76	-6.24	0.00	0.00
57	LineD-23	2320.00	2328.00	8.00	2316.96	-3.04	2321.62	-6.38	0.00	0.00
58	LineD-3	2268.00	2274.00	6.00	2263.70	-4.30	2268.36	-5.65	0.00	0.00
59	LineD-5	2271.27	2279.00	7.73	2271.27	0.00	2275.93	-3.07	0.00	0.00
60	LineD-7	2271.97	2280.00	8.03	2271.97	0.00	2276.63	-3.37	0.00	0.00
61	LineD-9	2275.71	2289.00	13.29	2275.71	0.00	2280.37	-8.63	0.00	0.00
62	LineE-11	2295.00	2304.00	9.00	2289.63	-5.37	2294.29	-9.71	0.00	0.00
63	LineE-13	2306.00	2315.00	9.00	2296.67	-9.33	2301.33	-13.67	0.00	0.00
64	LineE-15	2315.00	2322.00	7.00	2304.90	-10.10	2309.56	-12.44	0.00	0.00
65	LineE-16	2324.89	2332.00	7.11	2324.89	0.00	2329.55	-2.45	0.00	0.00
66	LineE-3	2289.50	2297.00	7.50	2285.03	-4.47	2289.69	-7.31	0.00	0.00
67	LineE-5	2290.00	2298.00	8.00	2285.52	-4.48	2290.18	-7.82	0.00	0.00
68	LineE-7	2291.00	2298.00	7.00	2287.23	-3.77	2291.89	-6.11	0.00	0.00
69	LineE-9	2292.00	2300.00	8.00	2287.91	-4.09	2292.57	-7.44	0.00	0.00
70	LineF1-1	2353.00	2365.00	12.00	2355.95	2.95	2359.47	-5.53	0.00	0.00
71	LineF-11	2350.00	2364.00	14.00	2345.86	-4.14	2364.48	0.48	10.00	0.00
72	LineF1-3	2357.00	2368.00	11.00	2358.85	1.85	2362.37	-5.64	0.00	0.00
73	LineF-13	2351.90	2365.00	13.10	2346.78	-5.12	2351.44	-13.56	0.00	0.00
74	LineF1-5	2367.00	2376.00	9.00	2366.85	-0.15	2370.37	-5.64	0.00	0.00
75	LineF-15	2354.90	2365.50	10.60	2348.30	-6.60	2352.96	-12.54	0.00	0.00
76	LineF1-7	2372.39	2379.00	6.61	2372.39	0.00	2375.90	-3.10	0.00	0.00
77	LineF-17	2356.90	2366.50	9.60	2349.92	-6.98	2354.58	-11.92	0.00	0.00
78	LineF1-9	2372.77	2380.00	7.23	2372.77	0.00	2376.29	-3.71	0.00	0.00
79	LineF-19	2358.00	2367.00	9.00	2353.83	-4.17	2358.49	-8.51	0.00	0.00
80	LineF1-End	2375.49	2381.00	5.51	2375.49	0.00	0.00	-2381.00	0.00	0.00
81	LineF-21	2362.80	2371.00	8.20	2354.82	-7.98	2359.48	-11.52	0.00	0.00
82	LineF-23	2363.80	2371.50	7.70	2357.72	-6.08	2362.38	-9.12	0.00	0.00

Junction Input

SN	Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Ground/Rim (Max) Offset (ft)	Initial Water Elevation (ft)	Initial Water Depth (ft)	Surcharge Elevation (ft)	Surcharge Depth (ft)	Ponded Area (ft^2)	Minimum Pipe Cover (ft)
83	LineF-25	2368.34	2375.00	6.66	2368.34	0.00	2373.00	-2.00	0.00	0.00
84	LineF-3	2343.00	2353.00	10.00	2340.37	-2.63	2345.03	-7.97	0.00	0.00
85	LineF-5	2344.00	2353.00	9.00	2340.79	-3.21	2345.45	-7.55	0.00	0.00
86	LineF-7	2346.00	2356.00	10.00	2342.84	-3.16	2347.50	-8.50	0.00	0.00
87	LineF-9	2349.50	2364.00	14.50	2345.60	-3.90	2350.26	-13.74	0.00	0.00
88	LineG-03	2391.12	2394.50	3.38	2391.12	0.00	2394.63	0.13	0.00	0.00
89	LineG-05	2392.40	2409.00	16.60	2392.40	0.00	2395.91	-13.09	0.00	0.00
90	LineG-07	2394.23	2408.00	13.77	2394.23	0.00	2397.75	-10.25	0.00	0.00
91	LineG-08{LineG}	2395.35	2401.00	5.65	2395.35	0.00	2398.87	-2.13	0.00	0.00

Junction Results

SN	Element ID	Peak Inflow (cfs)	Peak Lateral Inflow (cfs)	Max HGL Elevation Attained (ft)	Max HGL Depth Attained (ft)	Max Surcharge Depth Attained (ft)	Min Freeboard Attained (ft)	Average HGL Elevation Attained (ft)	Average HGL Depth Attained (ft)	Time of Max HGL Occurrence (days hh:mm)	Time of Peak Flooding Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	LineA-02	2770.80	25.10	2207.53	6.23	0.00	4.47	2207.53	6.23	0 00:00	0 00:00	0.00	0.00
2	LineA-04	2745.70	6.10	2208.53	6.23	0.00	4.47	2208.53	6.23	0 00:00	0 00:00	0.00	0.00
3	LineA-06	2739.60	12.50	2208.70	6.20	0.00	4.30	2208.70	6.20	0 00:00	0 00:00	0.00	0.00
4	LineA-08	2727.10	0.00	2210.14	6.34	0.00	4.86	2210.14	6.34	0 00:00	0 00:00	0.00	0.00
5	LineA-10	2727.10	0.00	2210.54	6.34	0.00	4.46	2210.54	6.34	0 00:00	0 00:00	0.00	0.00
6	LineA-11	2727.10	0.00	2211.23	6.23	0.00	4.77	2211.23	6.23	0 00:00	0 00:00	0.00	0.00
7	LineA-End	2727.10	2727.10	2215.13	6.23	0.00	3.87	2215.13	6.23	0 00:00	0 00:00	0.00	0.00
8	LineB-12	1839.80	0.00	2262.50	6.33	0.00	4.03	2262.50	6.33	0 00:00	0 00:00	0.00	0.00
9	LineB1-3	48.20	9.40	2243.67	1.88	0.00	1.63	2243.67	1.88	0 00:00	0 00:00	0.00	0.00
10	LineB-14	1839.80	0.00	2286.17	6.17	0.00	10.83	2286.17	6.17	0 00:00	0 00:00	0.00	0.00
11	LineB1-5	38.80	23.80	2247.18	1.18	0.00	5.82	2247.18	1.18	0 00:00	0 00:00	0.00	0.00
12	LineB1-7	15.00	0.00	2260.78	0.78	0.00	8.22	2260.78	0.78	0 00:00	0 00:00	0.00	0.00
13	LineB-17	1839.80	70.50	2295.24	11.24	0.00	7.98	2295.24	11.24	0 00:00	0 00:00	0.00	0.00
14	LineB-18	1746.40	0.00	2295.23	6.23	0.00	7.01	2295.23	6.23	0 00:00	0 00:00	0.00	0.00
15	LineB1-9	15.00	0.00	2278.45	0.78	0.00	5.55	2278.45	0.78	0 00:00	0 00:00	0.00	0.00
16	LineB1-End	15.00	15.00	2282.64	0.64	0.00	5.36	2282.64	0.64	0 00:00	0 00:00	0.00	0.00
17	LineB-20	1746.40	0.00	2306.23	6.23	0.00	6.97	2306.23	6.23	0 00:00	0 00:00	0.00	0.00
18	LineB-21	1746.40	0.00	2317.93	6.57	0.00	3.80	2317.93	6.57	0 00:00	0 00:00	0.00	0.00
19	LineB2-10	33.50	33.50	2284.89	1.48	0.00	7.11	2284.89	1.48	0 00:00	0 00:00	0.00	0.00
20	LineB2-2	48.20	0.00	2243.41	1.89	0.00	1.63	2243.41	1.89	0 00:00	0 00:00	0.00	0.00
21	LineB2-3	108.50	16.00	2246.65	1.94	0.00	9.35	2246.65	1.94	0 00:00	0 00:00	0.00	0.00
22	LineB-23	1746.40	0.00	2318.75	6.58	0.00	3.80	2318.75	6.58	0 00:00	0 00:00	0.00	0.00
23	LineB2-4	92.50	0.00	2265.37	2.03	0.00	8.63	2265.37	2.03	0 00:00	0 00:00	0.00	0.00
24	LineB2-5	92.50	0.00	2250.68	1.94	0.00	6.32	2250.68	1.94	0 00:00	0 00:00	0.00	0.00
25	LineB2-6	92.50	58.60	2275.83	2.03	0.00	9.17	2275.83	2.03	0 00:00	0 00:00	0.00	0.00
26	LineB-26	1746.40	0.00	2321.95	6.40	0.00	3.96	2321.95	6.40	0 00:00	0 00:00	0.00	0.00
27	LineB2-8	33.90	0.40	2283.82	1.48	0.00	6.18	2283.82	1.48	0 00:00	0 00:00	0.00	0.00
28	LineB-28	1746.40	0.00	2323.35	6.40	0.00	3.96	2323.35	6.40	0 00:00	0 00:00	0.00	0.00
29	LineB-30	1746.40	0.00	2325.27	6.46	0.00	3.91	2325.27	6.46	0 00:00	0 00:00	0.00	0.00
30	LineB3-1	22.90	0.00	2301.10	1.10	0.00	5.90	2301.10	1.10	0 00:00	0 00:00	0.00	0.00
31	LineB3-2	22.90	22.90	2308.32	1.10	0.00	5.68	2308.32	1.10	0 00:00	0 00:00	0.00	0.00
32	LineB-32	1746.40	0.00	2326.50	6.46	0.00	3.91	2326.50	6.46	0 00:00	0 00:00	0.00	0.00
33	LineB-33	1746.40	0.00	2327.73	6.46	0.00	3.91	2327.73	6.46	0 00:00	0 00:00	0.00	0.00
34	LineB-36	1746.40	0.00	2334.84	5.48	0.00	4.90	2334.84	5.48	0 00:00	0 00:00	0.00	0.00
35	LineB-38	1746.40	0.00	2337.56	6.09	0.00	4.28	2337.56	6.09	0 00:00	0 00:00	0.00	0.00
36	LineB-4	2026.60	22.70	2243.02	11.02	0.00	10.73	2243.02	11.02	0 00:00	0 00:00	0.00	0.00
37	LineB-40	1746.40	0.00	2338.02	6.09	0.00	4.28	2338.02	6.09	0 00:00	0 00:00	0.00	0.00
38	LineB-41	1746.40	1746.40	2339.30	6.07	0.00	4.26	2339.30	6.07	0 00:00	0 00:00	0.00	0.00
39	LineB-5	1955.70	0.00	2240.83	6.33	0.00	12.62	2240.83	6.33	0 00:00	0 00:00	0.00	0.00
40	LineB-7	1847.20	0.00	2241.64	6.64	0.00	6.76	2241.64	6.64	0 00:00	0 00:00	0.00	0.00
41	LineB-9	1847.20	7.40	2242.64	6.64	0.00	6.67	2242.64	6.64	0 00:00	0 00:00	0.00	0.00
42	LineC-11	29.70	0.00	2246.19	1.19	0.00	6.81	2246.19	1.19	0 00:00	0 00:00	0.00	0.00
43	LineC-13	29.70	0.00	2254.19	1.15	0.00	5.81	2254.19	1.15	0 00:00	0 00:00	0.00	0.00
44	LineC-15	29.70	0.00	2260.74	1.39	0.00	7.26	2260.74	1.39	0 00:00	0 00:00	0.00	0.00
45	LineC-17	29.70	0.00	2261.17	1.38	0.00	7.83	2261.17	1.38	0 00:00	0 00:00	0.00	0.00
46	LineC-3	74.10	0.00	2228.45	2.31	0.00	7.55	2228.45	2.31	0 00:00	0 00:00	0.00	0.00
47	LineC-5	74.10	0.00	2233.31	2.31	0.00	7.69	2233.31	2.31	0 00:00	0 00:00	0.00	0.00
48	LineC-7	74.10	13.80	2234.97	1.97	0.00	6.03	2234.97	1.97	0 00:00	0 00:00	0.00	0.00
49	LineC-9	60.30	30.60	2235.69	1.69	0.00	5.31	2235.69	1.69	0 00:00	0 00:00	0.00	0.00
50	LineC-End	29.70	29.70	2267.61	0.96	0.00	6.39	2267.61	0.96	0 00:00	0 00:00	0.00	0.00
51	LineD-11	145.10	0.00	2298.69	2.50	0.00	5.31	2298.69	2.50	0 00:00	0 00:00	0.00	0.00
52	LineD-13	145.10	0.00	2304.66	2.68	0.00	5.34	2304.66	2.68	0 00:00	0 00:00	0.00	0.00
53	LineD-15	145.10	7.40	2307.68	2.68	0.00	6.32	2307.68	2.68	0 00:00	0 00:00	0.00	0.00
54	LineD-17	137.70	36.60	2309.43	3.16	0.00	6.57	2309.43	3.16	0 00:00	0 00:00	0.00	0.00
55	LineD-19	101.10	0.00	2311.55	3.16	0.00	5.45	2311.55	3.16	0 00:00	0 00:00	0.00	0.00
56	LineD-21	101.10	0.00	2314.78	2.88	0.00	5.22	2314.78	2.88	0 00:00	0 00:00	0.00	0.00
57	LineD-23	101.10	101.10	2322.00	2.00	0.00	6.00	2322.00	2.00	0 00:00	0 00:00	0.00	0.00
58	LineD-3	176.50	18.10	2271.93	3.93	0.00	2.07	2271.93	3.93	0 00:00	0 00:00	0.00	0.00
59	LineD-5	158.40	13.30	2274.51	3.24	0.00	4.49	2274.51	3.24	0 00:00	0 00:00	0.00	0.00
60	LineD-7	145.10	0.00	2274.84	2.87	0.00	5.16	2274.84	2.87	0 00:00	0 00:00	0.00	0.00
61	LineD-9	145.10	0.00	2278.58	2.87	0.00	10.42	2278.58	2.87	0 00:00	0 00:00	0.00	0.00
62	LineE-11	84.70	0.00	2296.93	1.93	0.00	7.07	2296.93	1.93	0 00:00	0 00:00	0.00	0.00
63	LineE-13	84.70	20.10	2308.21	2.21	0.00	6.79	2308.21	2.21	0 00:00	0 00:00	0.00	0.00
64	LineE-15	64.60	47.50	2317.21	2.21	0.00	4.79	2317.21	2.21	0 00:00	0 00:00	0.00	0.00
65	LineE-16	17.10	17.10	2325.83	0.94	0.00	6.17	2325.83	0.94	0 00:00	0 00:00	0.00	0.00
66	LineE-3	108.30	0.00	2292.03	2.53	0.00	4.97	2292.03	2.53	0 00:00	0 00:00	0.00	0.00
67	LineE-5	108.30	17.50	2292.78	2.78	0.00	5.22	2292.78	2.78	0 00:00	0 00:00	0.00	0.00
68	LineE-7	90.80	0.00	2293.78	2.78	0.00	4.22	2293.78	2.78	0 00:00	0 00:00	0.00	0.00
69	LineE-9	90.80	6.10	2293.99	1.99	0.00	6.01	2293.99	1.99	0 00:00	0 00:00	0.00	0.00
70	LineF1-1	239.40	6.30	2356.27	3.27	0.00	8.73	2356.27	3.27	0 00:00	0 00:00	0.00	0.00
71	LineF-11	426.40	0.00	2353.86	3.86	0.00	10.14	2353.86	3.86	0 00:00	0 00:00	0.00	0.00
72	LineF1-3	233.10	0.00	2360.27	3.27	0.00	7.73	2360.27	3.27	0 00:00	0 00:00	0.00	0.00
73	LineF-13	187.00	10.80	2355.43	3.53	0.00	9.57	2355.43	3.53	0 00:00	0 00:00	0.00	0.00
74	LineF1-5	233.10	0.00	2370.11	3.11	0.00	5.89	2370.11	3.11	0 00:00	0 00:00	0.00	0.00
75	LineF-15	176.20	25.50	2359.00	4.10	0.00	6.50	2359.00	4.10	0 00:00	0 00:00	0.00	0.00
76	LineF1-7	233.10	221.50	2375.50	3.11	0.00	3.50	2375.50	3.11	0 00:00	0 00:00	0.00	0.00
77	LineF-17	150.70	0.00	2360.90	4.00	0.00	5.60	2360.90	4.00	0 00:00	0 00:00	0.00	0.00
78	LineF1-9	11.60	0.00	2373.61	0.84	0.00	6.39	2373.61	0.84	0 00:00	0 00:00	0.00	0.00
79	LineF-19	150.70	16.50	2361.71	3.71	0.00	5.29	2361.71	3.71	0 00:00	0 00:00	0.00	0.00
80	LineF1-End	11.60	11.60	2376.20	0.71	0.00	4.80	2376.20	0.71	0 00:00	0 00:00	0.00	0.00
81	LineF-21	134.20	0.00	2365.51	2.71	0.00	5.49	2365.51	2.71	0 00:00	0 00:00	0.00	0.00

Junction Results

SN	Element ID	Peak Inflow (cfs)	Peak Lateral Inflow (cfs)	Max HGL Elevation Attained (ft)	Max HGL Depth Attained (ft)	Max Surcharge Depth Attained (ft)	Min Freeboard Attained (ft)	Average HGL Elevation Attained (ft)	Average HGL Depth Attained (ft)	Time of Max HGL Occurrence (days hh:mm)	Time of Peak Flooding Occurrence (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
82	LineF-23	134.20	0.00	2366.18	2.38	0.00	5.32	2366.18	2.38	0 00:00	0 00:00	0.00	0.00
83	LineF-25	134.20	134.20	2370.29	1.95	0.00	4.71	2370.29	1.95	0 00:00	0 00:00	0.00	0.00
84	LineF-3	433.30	6.90	2347.17	4.17	0.00	5.83	2347.17	4.17	0 00:00	0 00:00	0.00	0.00
85	LineF-5	426.40	0.00	2348.51	4.51	0.00	4.49	2348.51	4.51	0 00:00	0 00:00	0.00	0.00
86	LineF-7	426.40	0.00	2351.05	5.05	0.00	4.95	2351.05	5.05	0 00:00	0 00:00	0.00	0.00
87	LineF-9	426.40	0.00	2354.55	5.05	0.00	9.45	2354.55	5.05	0 00:00	0 00:00	0.00	0.00
88	LineG-03	61.20	0.00	2393.15	2.03	0.00	1.35	2393.15	2.03	0 00:00	0 00:00	0.00	0.00
89	LineG-05	61.20	0.00	2394.43	2.03	0.00	14.57	2394.43	2.03	0 00:00	0 00:00	0.00	0.00
90	LineG-07	61.20	3.70	2396.45	2.22	0.00	11.55	2396.45	2.22	0 00:00	0 00:00	0.00	0.00
91	LineG-08{LineG}	57.50	57.50	2397.57	2.22	0.00	3.43	2397.57	2.22	0 00:00	0 00:00	0.00	0.00

Pipe Input

SN	Element ID	Length (ft)	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (ft)	Pipe Width (ft)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate	No. of Barrels
1	LineA-01	29.37	2201.30	0.00	2201.00	0.00	0.30	1.0200	Rectangular	8.000	12.000	0.0140	0.0000	0.0000	0.0000	0.00	No	2
2	LineA-03	148.17	2202.30	0.00	2201.30	0.00	1.00	0.6700	Rectangular	8.000	12.000	0.0140	0.0000	0.0000	0.0000	0.00	No	2
3	LineA-05	29.39	2202.50	0.00	2202.30	0.00	0.20	0.6800	Rectangular	8.000	12.000	0.0140	0.0000	0.0000	0.0000	0.00	No	2
4	LineA-07	184.92	2203.80	0.00	2202.50	0.00	1.30	0.7000	Rectangular	8.000	12.000	0.0140	0.0000	0.0000	0.0000	0.00	No	2
5	LineA-09	62.84	2204.20	0.00	2203.80	0.00	0.40	0.6400	Rectangular	8.000	12.000	0.0140	0.0000	0.0000	0.0000	0.00	No	2
6	LineA-11	60.72	2205.00	0.00	2204.20	0.00	0.80	1.3200	Rectangular	8.000	10.000	0.0140	0.0000	0.0000	0.0000	0.00	No	2
7	LineA-13	181.29	2208.90	0.00	2205.00	0.00	3.90	2.1500	Rectangular	8.000	13.000	0.0140	0.5000	0.0000	0.0000	0.00	No	1
8	LineB-10	48.60	2236.00	0.00	2235.00	0.00	1.00	2.0600	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
9	LineB1-1	38.26	2241.52	0.00	2241.13	9.13	0.38	1.0000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
10	LineB-11	863.94	2256.17	0.00	2236.00	0.00	20.17	2.3300	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
11	LineB1-11	85.41	2282.00	0.00	2277.67	0.00	4.33	5.0700	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
12	LineB1-2	26.88	2241.79	0.00	2241.52	0.00	0.27	1.0000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
13	LineB-13	380.76	2280.00	0.00	2256.17	0.00	23.83	6.2600	CIRCULAR	9.000	9.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
14	LineB1-4	134.75	2246.00	0.00	2241.79	0.00	4.21	3.1300	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
15	LineB-15	158.35	2284.00	0.00	2280.00	0.00	4.00	2.5300	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
16	LineB1-6	600.00	2260.00	0.00	2246.00	0.00	14.00	2.3300	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
17	LineB-16	204.66	2289.00	0.00	2284.00	0.00	5.00	2.4400	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
18	LineB1-8	751.22	2277.67	0.00	2260.00	0.00	17.67	2.3500	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
19	LineB-19	498.94	2300.00	0.00	2289.00	0.00	11.00	2.2000	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
20	LineB2-1	288.74	2244.71	0.00	2237.15	2.65	7.56	2.6200	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
21	LineB-22	422.09	2311.36	0.00	2300.00	0.00	11.36	2.6900	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
22	LineB2-3	290.94	2263.34	0.00	2248.74	0.00	14.60	5.0200	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
23	LineB2-4	217.32	2248.74	0.00	2244.71	0.00	4.03	1.8600	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
24	LineB-24	79.00	2312.17	0.00	2311.36	0.00	0.82	1.0400	Rectangular	10.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
25	LineB2-5	348.54	2273.80	0.00	2263.34	0.00	10.46	3.0000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
26	LineB-25	168.78	2315.55	0.00	2312.17	0.00	3.38	2.0000	Rectangular	8.000	10.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
27	LineB2-7	426.91	2282.34	0.00	2273.80	0.00	8.54	2.0000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
28	LineB-27	126.18	2316.95	0.00	2315.55	0.00	1.40	1.1100	Rectangular	10.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
29	LineB2-9	101.01	2283.41	0.00	2282.34	0.00	1.07	1.0600	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
30	LineB-29	186.35	2318.81	0.00	2316.95	0.00	1.86	1.0000	Rectangular	10.000	12.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
31	LineB-3	215.38	2232.00	0.00	2228.62	0.00	3.38	1.5700	Rectangular	9.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
32	LineB3-1	300.00	2300.00	0.00	2294.22	10.22	5.78	1.9300	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
33	LineB-31	113.46	2320.04	0.00	2318.81	0.00	1.23	1.0800	Rectangular	10.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
34	LineB3-2	500.00	2307.22	0.00	2300.00	0.00	7.22	1.4400	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
35	LineB-34	113.46	2321.27	0.00	2320.04	0.00	1.23	1.0800	Rectangular	10.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
36	LineB-35	477.11	2329.36	0.00	2321.27	0.00	8.10	1.7000	Rectangular	9.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
37	LineB-37	125.66	2331.47	0.00	2329.36	0.00	2.11	1.6800	Rectangular	9.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
38	LineB-39	36.29	2331.93	0.00	2331.47	0.00	0.46	1.2600	Rectangular	9.000	11.000	0.0130	0.0000	0.0000	0.0000	0.00	No	1
39	LineB-42	101.56	2333.23	0.00	2331.93	0.00	1.30	1.2800	Rectangular	9.000	11.000	0.0130	0.0000	0.5000	0.0000	0.00	No	1
40	LineB-6	125.16	2234.50	0.00	2232.00	0.00	2.50	2.0000	Rectangular	8.000	11.000	0.0130	0.5000	0.0000	0.0000	0.00	No	1
41	LineB-8	21.25	2235.00	0.00	2234.50	0.00	0.50	2.3500	CIRCULAR	10.000	10.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
42	LineC-10	613.49	2245.00	0.00	2234.00	0.00	11.00	1.7900	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
43	LineC-12	310.32	2253.04	0.00	2245.00	0.00	8.04	2.5900	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
44	LineC-14	314.17	2259.35	0.00	2253.04	0.00	6.31	2.0100	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
45	LineC-16	42.25	2259.79	0.00	2259.35	0.00	0.44	1.0400	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
46	LineC-18	171.55	2266.65	0.00	2259.79	0.00	6.86	4.0000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
47	LineC-2	52.04	2226.14	0.00	2225.60	0.00	0.54	1.0400	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
48	LineC-4	347.96	2231.00	0.00	2226.14	0.00	4.86	1.4000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
49	LineC-6	95.36	2233.00	0.00	2231.00	0.00	2.00	2.1000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
50	LineC-8	45.32	2234.00	0.00	2233.00	0.00	1.00	2.2100	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
51	LineD-10	682.77	2296.19	0.00	2275.71	0.00	20.48	3.0000	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
52	LineD-12	288.26	2301.98	0.00	2296.19	0.00	5.79	2.0100	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
53	LineD-14	185.00	2305.00	0.00	2301.98	0.00	3.02	1.6300	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
54	LineD-16	19.72	2306.27	0.00	2305.10	0.10	1.17	5.9100	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
55	LineD-18	400.00	2308.39	0.00	2306.27	0.00	2.13	0.5300	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
56	LineD-2	400.00	2268.00	0.00	2266.00	0.00	2.00	0.5000	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
57	LineD-20	531.00	2311.90	0.00	2308.39	0.00	3.51	0.6600	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
58	LineD-22	400.00	2320.00	0.00	2312.00	0.10	8.00	2.0000	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
59	LineD-4	378.90	2271.27	0.00	2268.00	0.00	3.27	0.8600	CIRCULAR	4.500	4.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
60	LineD-6	63.08	2271.97	0.00	2271.27	0.00	0.70	1.1100	CIRCULAR	4.500	4.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
61	LineD-8	371.28	2275.71	0.00	2271.97	0.00	3.73	1.0100	CIRCULAR	4.500	4.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
62	LineE-10	172.15	2295.00	0.00	2292.00	0.00	3.00	1.7400	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
63	LineE-12	703.70	2306.00	0.00	2295.00	0.00	11.00	1.5600	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
64	LineE-14	760.22	2315.00	0.00	2306.00	0.00	9.00	1.1800	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
65	LineE-16	666.35	2324.89	0.00	2315.00	0.00	9.89	1.4800	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
66	LineE-2	42.34	2289.50	0.00	2289.00	0.00	0.50	1.1800	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
67	LineE-4	46.26	2290.00	0.00	2289.50	0.00	0.50	1.0800	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
68	LineE-6	171.27	2291.00	0.00	2290.00	0.00	1.00	0.5800	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
69	LineE-8	61.38	2292.00	0.00	2291.00	0.00	1.00	1.6300	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
70	LineF-10	16.20	2350.00	0.00	2349.50	0.00	0.50	3.0900	CIRCULAR	6.500	6.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
71	LineF1-1	10.34	2353.00	0.00	2352.00	2.00	1.00	9.6700	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
72	LineF1-10	135.82	2375.49	0.00	2372.77	0.00	2.72	2.0000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
73	LineF1-2	289.66	2357.00	0.00	2353.00	0.00	4.00	1.3800	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
74	LineF-12	52.89	2351.90	0.00	2350.00	0.00	1.90	3.5900	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
75	LineF1-4	400.00	2367.00	0.00	2357.00	0.00	10.00	2.5000	CIRCULAR	4.500	4.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
76	LineF-14	420.00	2354.90	0.00	2352.00	0.10	2.90	0.6900	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
77	LineF1-6	184.60	2372.39	0.00	2367.00	0.00	5.39	2.9200	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
78	LineF-16	542.00	2356.90	0.00	2355.00	0.10	1.90	0.3500	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
79	LineF1-8	37.19	2372.77	0.00	2372.39	0.00	0.38	1.0300	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
80	LineF-18	70.69	2358.00	0.00	2357.00	0.10	1.00	1.4100	CIRCULAR	5.000	5.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
81	LineF-2	234.51	2343.00	0.00	2340.10	0.00	2.90	1.2400	CIRCULAR	6.500	6.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
82	LineF-20	280.16	2362.80	0.00	2359.00	1.00	3.80	1.3600	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1

Pipe Input

SN	Element ID	Length (ft)	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (ft)	Pipe Width (ft)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate	No. of Barrels
83	LineF-22	40.48	2363.80	0.00	2363.00	0.20	0.80	1.9800	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
84	LineF-24	113.49	2368.34	0.00	2364.00	0.20	4.34	3.8300	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
85	LineF-4	22.46	2344.00	0.00	2343.00	0.00	1.00	4.4500	CIRCULAR	6.500	6.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
86	LineF-6	206.87	2346.00	0.00	2344.00	0.00	2.00	0.9700	CIRCULAR	6.500	6.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
87	LineF-8	475.05	2349.50	0.00	2346.00	0.00	3.50	0.7400	CIRCULAR	6.500	6.500	0.0130	0.5000	0.5000	0.0000	0.00	No	1
88	LineG-02	77.70	2391.12	0.00	2390.10	0.00	1.02	1.3100	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
89	LineG-04	51.06	2392.40	0.00	2391.12	0.00	1.28	2.5000	CIRCULAR	3.000	3.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
90	LineG-06	268.00	2394.23	0.00	2392.40	0.00	1.84	0.6800	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1
91	LineG-08	244.83	2395.35	0.00	2394.23	0.00	1.12	0.4600	CIRCULAR	4.000	4.000	0.0130	0.5000	0.5000	0.0000	0.00	No	1

Pipe Results

SN	Element ID	Peak Flow (cfs)	Time of Peak Flow Occurrence (days hh:mm)	Design Flow Capacity (cfs)	Peak Flow/ Design Flow Ratio	Peak Flow Velocity (ft/sec)	Travel Time (min)	Peak Flow Depth (ft)	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged (min)	Froude Number	Reported Condition
1	LineA-01	2770.80	0 00:00	3691.97	0.75	21.49	0.02	5.37	0.67	0.00		Calculated
2	LineA-03	2745.70	0 00:00	3001.18	0.91	18.36	0.13	6.23	0.78	0.00		Calculated
3	LineA-05	2739.60	0 00:00	3013.50	0.91	18.41	0.03	6.20	0.77	0.00		Calculated
4	LineA-07	2727.10	0 00:00	3062.98	0.89	18.62	0.17	6.10	0.76	0.00		Calculated
5	LineA-09	2727.10	0 00:00	2914.59	0.94	17.93	0.06	6.34	0.79	0.00		Calculated
6	LineA-11	2727.10	0 00:00	3319.52	0.82	23.53	0.04	5.79	0.72	0.00		Calculated
7	LineA-13	2727.10	0 00:00	2963.38	0.92	33.67	0.09	6.23	0.78	0.00		Calculated
8	LineB-10	1847.20	0 00:00	2372.19	0.78	33.39	0.02	6.64	0.66	0.00		Calculated
9	LineB1-1	48.20	0 00:00	66.70	0.72	10.28	0.06	1.89	0.63	0.00		Calculated
10	LineB-11	1839.80	0 00:00	2526.63	0.73	35.09	0.41	6.33	0.63	0.00		Calculated
11	LineB1-11	15.00	0 00:00	150.17	0.10	13.59	0.10	0.64	0.21	0.00		Calculated
12	LineB1-2	48.20	0 00:00	66.82	0.72	10.29	0.04	1.89	0.63	0.00		Calculated
13	LineB-13	1839.80	0 00:00	3123.89	0.59	50.00	0.13	4.97	0.55	0.00		Calculated
14	LineB1-4	38.80	0 00:00	117.95	0.33	14.95	0.15	1.18	0.39	0.00		Calculated
15	LineB-15	1839.80	0 00:00	2628.34	0.70	36.19	0.07	6.17	0.62	0.00		Calculated
16	LineB1-6	15.00	0 00:00	101.88	0.15	10.31	0.97	0.78	0.26	0.00		Calculated
17	LineB-16	1746.40	0 00:00	2584.82	0.68	35.31	0.10	6.03	0.60	0.00		Calculated
18	LineB1-8	15.00	0 00:00	102.29	0.15	10.34	1.21	0.78	0.26	0.00		Calculated
19	LineB-19	1746.40	0 00:00	2455.45	0.71	33.93	0.25	6.23	0.62	0.00		Calculated
20	LineB2-1	108.50	0 00:00	232.39	0.47	18.17	0.26	1.92	0.48	0.00		Calculated
21	LineB-22	1746.40	0 00:00	2712.59	0.64	36.66	0.19	5.84	0.58	0.00		Calculated
22	LineB2-3	92.50	0 00:00	149.41	0.62	22.24	0.22	1.71	0.57	0.00		Calculated
23	LineB2-4	92.50	0 00:00	195.68	0.47	15.35	0.24	1.94	0.48	0.00		Calculated
24	LineB-24	1746.40	0 00:00	2430.83	0.72	24.16	0.05	6.57	0.66	0.00		Calculated
25	LineB2-5	92.50	0 00:00	115.53	0.80	18.16	0.32	2.03	0.68	0.00		Calculated
26	LineB-25	1746.40	0 00:00	2202.28	0.79	30.96	0.09	5.64	0.71	0.00		Calculated
27	LineB2-7	33.90	0 00:00	94.33	0.36	12.24	0.58	1.24	0.41	0.00		Calculated
28	LineB-27	1746.40	0 00:00	2514.93	0.69	24.80	0.08	6.40	0.64	0.00		Calculated
29	LineB2-9	33.50	0 00:00	68.73	0.49	9.66	0.17	1.48	0.49	0.00		Calculated
30	LineB-29	1746.40	0 00:00	2677.58	0.65	23.90	0.13	6.09	0.61	0.00		Calculated
31	LineB-3	2026.60	0 00:00	2592.92	0.78	29.33	0.12	6.28	0.70	0.00		Calculated
32	LineB3-1	22.90	0 00:00	92.58	0.25	10.84	0.46	1.02	0.34	0.00		Calculated
33	LineB-31	1746.40	0 00:00	2485.03	0.70	24.57	0.08	6.46	0.65	0.00		Calculated
34	LineB3-2	22.90	0 00:00	80.15	0.29	9.78	0.85	1.10	0.37	0.00		Calculated
35	LineB-34	1746.40	0 00:00	2485.03	0.70	24.57	0.08	6.46	0.65	0.00		Calculated
36	LineB-35	1746.40	0 00:00	2697.45	0.65	29.14	0.27	5.45	0.61	0.00		Calculated
37	LineB-37	1746.40	0 00:00	2682.62	0.65	29.02	0.07	5.47	0.61	0.00		Calculated
38	LineB-39	1746.40	0 00:00	2327.09	0.75	26.07	0.02	6.09	0.68	0.00		Calculated
39	LineB-42	1746.40	0 00:00	2338.28	0.75	26.16	0.06	6.07	0.67	0.00		Calculated
40	LineB-6	1955.70	0 00:00	2488.44	0.79	31.86	0.07	5.58	0.70	0.00		Calculated
41	LineB-8	1847.20	0 00:00	2536.58	0.73	35.23	0.01	6.33	0.63	0.00		Calculated
42	LineC-10	29.70	0 00:00	89.31	0.33	11.35	0.90	1.19	0.40	0.00		Calculated
43	LineC-12	29.70	0 00:00	107.35	0.28	12.98	0.40	1.08	0.36	0.00		Calculated
44	LineC-14	29.70	0 00:00	94.52	0.31	11.82	0.44	1.16	0.39	0.00		Calculated
45	LineC-16	29.70	0 00:00	68.05	0.44	9.30	0.08	1.39	0.46	0.00		Calculated
46	LineC-18	29.70	0 00:00	133.40	0.22	15.19	0.19	0.96	0.32	0.00		Calculated
47	LineC-2	74.10	0 00:00	146.23	0.51	11.67	0.07	2.02	0.50	0.00		Calculated
48	LineC-4	74.10	0 00:00	78.85	0.94	12.67	0.46	2.31	0.77	0.00		Calculated
49	LineC-6	74.10	0 00:00	96.60	0.77	15.06	0.11	1.97	0.66	0.00		Calculated
50	LineC-8	60.30	0 00:00	99.08	0.61	14.69	0.05	1.69	0.56	0.00		Calculated
51	LineD-10	145.10	0 00:00	248.80	0.58	20.55	0.55	2.19	0.55	0.00		Calculated
52	LineD-12	145.10	0 00:00	203.50	0.71	17.58	0.27	2.50	0.62	0.00		Calculated
53	LineD-14	145.10	0 00:00	183.65	0.79	16.20	0.19	2.68	0.67	0.00		Calculated
54	LineD-16	137.70	0 00:00	349.28	0.39	26.12	0.01	1.75	0.44	0.00		Calculated
55	LineD-18	101.10	0 00:00	104.70	0.97	9.49	0.70	3.16	0.79	0.00		Calculated
56	LineD-2	176.50	0 00:00	184.16	0.96	10.67	0.62	3.93	0.79	0.00		Calculated
57	LineD-20	101.10	0 00:00	116.77	0.87	10.45	0.85	2.88	0.72	0.00		Calculated
58	LineD-22	101.10	0 00:00	203.14	0.50	16.14	0.41	2.00	0.50	0.00		Calculated
59	LineD-4	158.40	0 00:00	182.80	0.87	12.93	0.49	3.24	0.72	0.00		Calculated
60	LineD-6	145.10	0 00:00	207.00	0.70	14.08	0.07	2.78	0.62	0.00		Calculated
61	LineD-8	145.10	0 00:00	197.22	0.74	13.56	0.46	2.87	0.64	0.00		Calculated
62	LineE-10	84.70	0 00:00	189.62	0.45	14.66	0.20	1.87	0.47	0.00		Calculated
63	LineE-12	84.70	0 00:00	179.59	0.47	14.08	0.83	1.93	0.48	0.00		Calculated
64	LineE-14	64.60	0 00:00	72.57	0.89	11.59	1.09	2.21	0.74	0.00		Calculated
65	LineE-16	17.10	0 00:00	81.28	0.21	9.11	1.22	0.93	0.31	0.00		Calculated
66	LineE-2	108.30	0 00:00	156.10	0.69	13.41	0.05	2.45	0.61	0.00		Calculated
67	LineE-4	108.30	0 00:00	149.34	0.73	12.95	0.06	2.53	0.63	0.00		Calculated
68	LineE-6	90.80	0 00:00	109.76	0.83	9.76	0.29	2.78	0.69	0.00		Calculated
69	LineE-8	90.80	0 00:00	183.35	0.50	14.55	0.07	1.99	0.50	0.00		Calculated
70	LineF-10	426.40	0 00:00	921.18	0.46	27.22	0.01	3.11	0.48	0.00		Calculated
71	LineF1-1	239.40	0 00:00	809.83	0.30	35.89	0.00	1.86	0.37	0.00		Calculated
72	LineF1-10	11.60	0 00:00	94.33	0.12	9.06	0.25	0.71	0.24	0.00		Calculated
73	LineF1-2	233.10	0 00:00	306.06	0.76	17.16	0.28	3.27	0.65	0.00		Calculated
74	LineF-12	187.00	0 00:00	493.62	0.38	23.38	0.04	2.13	0.43	0.00		Calculated
75	LineF1-4	233.10	0 00:00	310.93	0.75	21.45	0.31	2.91	0.65	0.00		Calculated
76	LineF-14	176.20	0 00:00	216.41	0.81	12.28	0.57	3.43	0.69	0.00		Calculated
77	LineF1-6	233.10	0 00:00	245.36	0.95	22.20	0.14	3.11	0.78	0.00		Calculated
78	LineF-16	150.70	0 00:00	154.20	0.98	8.95	1.01	4.00	0.80	0.00		Calculated
79	LineF1-8	11.60	0 00:00	67.72	0.17	7.15	0.09	0.84	0.28	0.00		Calculated
80	LineF-18	150.70	0 00:00	309.77	0.49	15.66	0.08	2.46	0.49	0.00		Calculated
81	LineF-2	433.30	0 00:00	582.76	0.74	19.24	0.20	4.17	0.64	0.00		Calculated

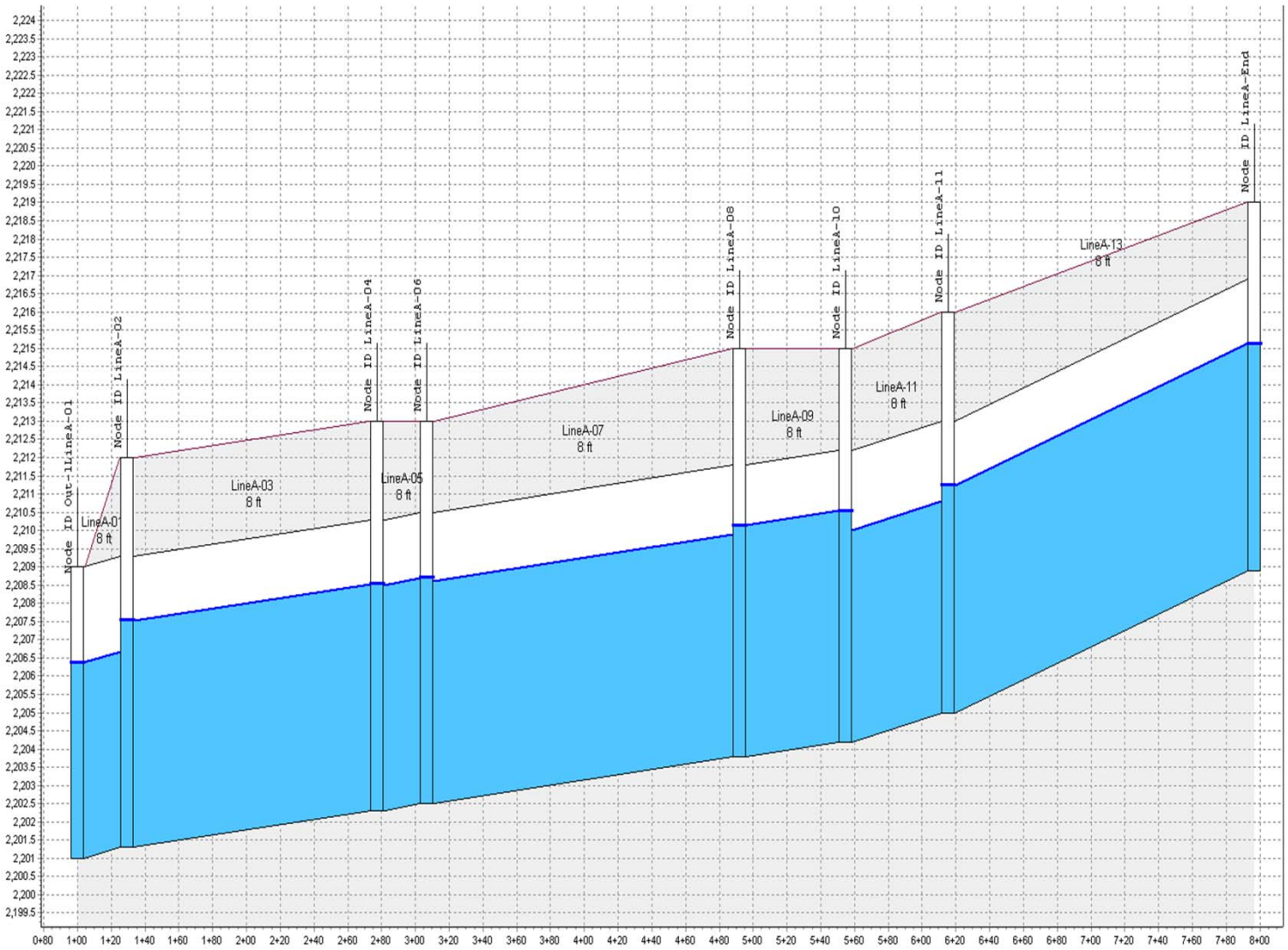
Pipe Results

SN	Element ID	Peak Flow (cfs)	Time of Peak Flow Occurrence (days hh:mm)	Design Flow Capacity (cfs)	Peak Flow/ Design Flow Ratio	Peak Flow Velocity (ft/sec)	Travel Time (min)	Peak Flow Depth (ft)	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged (min)	Froude Number	Reported Condition
82	LineF-20	134.20	0 00:00	167.29	0.80	14.79	0.32	2.71	0.68	0.00		Calculated
83	LineF-22	134.20	0 00:00	201.93	0.66	17.18	0.04	2.38	0.60	0.00		Calculated
84	LineF-24	134.20	0 00:00	281.04	0.48	22.10	0.09	1.95	0.49	0.00		Calculated
85	LineF-4	426.40	0 00:00	1106.29	0.39	31.15	0.01	2.80	0.43	0.00		Calculated
86	LineF-6	426.40	0 00:00	515.49	0.83	17.35	0.20	4.51	0.69	0.00		Calculated
87	LineF-8	426.40	0 00:00	450.01	0.95	15.42	0.51	5.05	0.78	0.00		Calculated
88	LineG-02	61.20	0 00:00	76.37	0.80	12.00	0.11	2.03	0.68	0.00		Calculated
89	LineG-04	61.20	0 00:00	105.51	0.58	15.47	0.06	1.64	0.55	0.00		Calculated
90	LineG-06	61.20	0 00:00	118.87	0.51	9.53	0.47	2.04	0.51	0.00		Calculated
91	LineG-08	57.50	0 00:00	97.12	0.59	8.05	0.51	2.22	0.55	0.00		Calculated

Line A

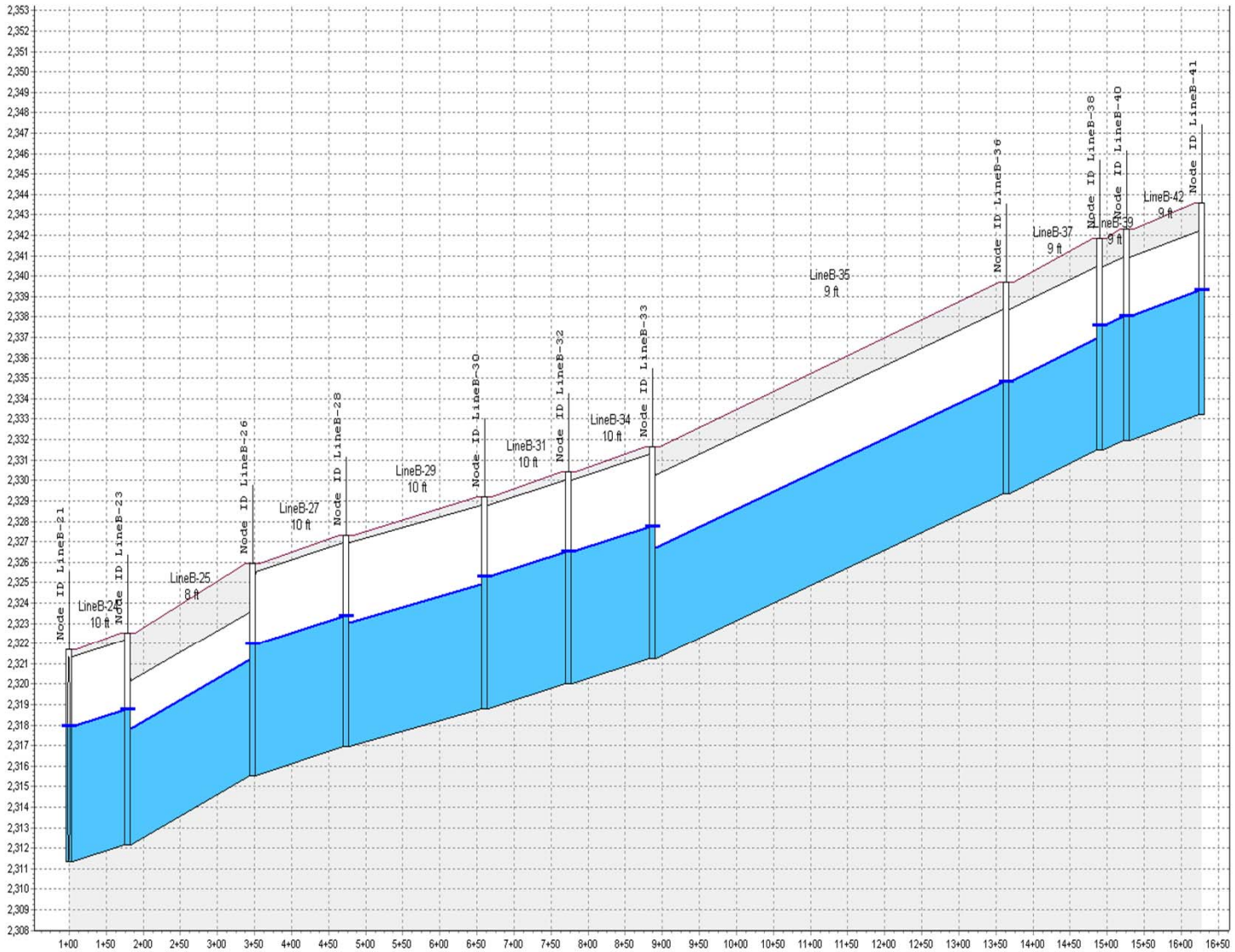
Node ID:	Out-1LineA-01	LineA-02	LineA-04	LineA-06	LineA-08	LineA-10	LineA-11	LineA-End
Rim (ft):		2212	2213	2213	2215	2215	2216	2219
Invert (ft):	2201	2201.3	2202.3	2202.5	2203.8	2204.2	2205	2208.9
Min Pipe Cover (ft):		2.7	2.7	2.5	3.2	2.8	3	2.1
Max HGL (ft):	5.37	2207.53	2208.53	2208.7	2210.14	2210.54	2211.23	2215.13

Link ID:	LineA-01	LineA-03	LineA-05	LineA-07	LineA-09	LineA-11	LineA-13
Length (ft):	29.37	148.17	29.39	184.92	62.84	60.72	181.29
Height (ft):	8	8	8	8	8	8	8
Width (ft):	12	12	12	12	12	10	13
Type:	Triple RCB	Triple RCB	Triple RCB	Triple RCB	Triple RCB	Triple RCB	Triple RCB
Slope (%):	1.02	0.67	0.68	0.7	0.64	1.32	2.15
Up Invert (ft):	2201.3	2202.3	2202.5	2203.8	2204.2	2205	2208.9
Dn Invert (ft):	2201	2201.3	2202.3	2202.5	2203.8	2204.2	2205
Max Q (cfs):	2770.8	2745.7	2739.6	2727.1	2727.1	2727.1	2727.1
Max Vel (ft/s):	21.49	18.36	18.41	18.62	17.93	23.53	33.67
Max Depth (ft):	5.37	6.23	6.2	6.1	6.34	5.79	6.23



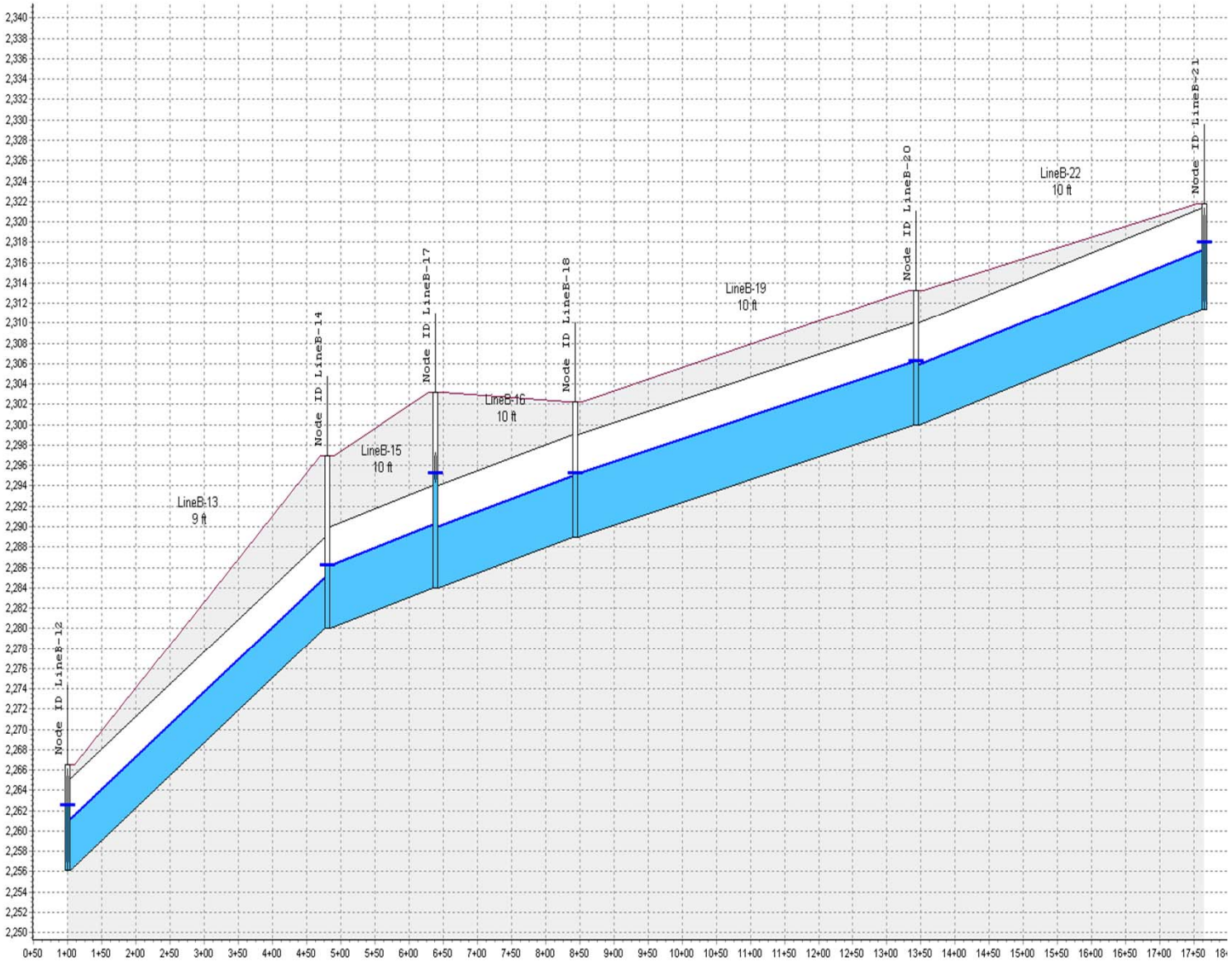
Node ID:	LineB-21	LineB-23	LineB-26	LineB-28	LineB-30	LineB-32	LineB-33	LineB-36	LineB-38	LineB-40	LineB-41
Rim (ft):	2321.72	2322.54	2325.92	2327.32	2329.18	2330.41	2331.63	2339.73	2341.84	2342.3	2343.56
Invert (ft):	2311.36	2312.17	2315.55	2316.95	2318.81	2320.04	2321.27	2329.36	2331.47	2331.93	2333.23
Min Pipe Cover (ft):	0.37	0.37	0.37	0.37	0.37	0.37	0.37	1.37	1.37	1.37	1.33
Max HGL (ft):	2317.93	2318.75	2321.95	2323.35	2325.27	2326.5	2327.73	2334.84	2337.56	2338.02	2339.3

Link ID:	LineB-24	LineB-25	LineB-27	LineB-29	LineB-31	LineB-34	LineB-35	LineB-37	LineB-39	LineB-42
Length (ft):	79	168.78	126.18	186.35	113.46	113.46	477.11	125.66	36.29	101.56
Height (ft):	10	8	10	10	10	10	9	9	9	9
Width (ft):	11	10	11	12	11	11	11	11	11	11
Type:	Singe RCB	Singe RCB	Singe RCB	Singe RCB	Singe RCB	Singe RCB	Singe RCB	Singe RCB	Singe RCB	Singe RCB
Slope (%):	1.04	2	1.11	1	1.08	1.08	1.7	1.68	1.26	1.28
Up Invert (ft):	2312.17	2315.55	2316.95	2318.81	2320.04	2321.27	2329.36	2331.47	2331.93	2333.23
Dn Invert (ft):	2311.36	2312.17	2315.55	2316.95	2318.81	2320.04	2321.27	2329.36	2331.47	2331.93
Max Q (cfs):	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4
Max Vel (ft/s):	24.16	30.96	24.8	23.9	24.57	24.57	29.14	29.02	26.07	26.16
Max Depth (ft):	6.57	5.64	6.4	6.09	6.46	6.46	5.45	5.47	6.09	6.07



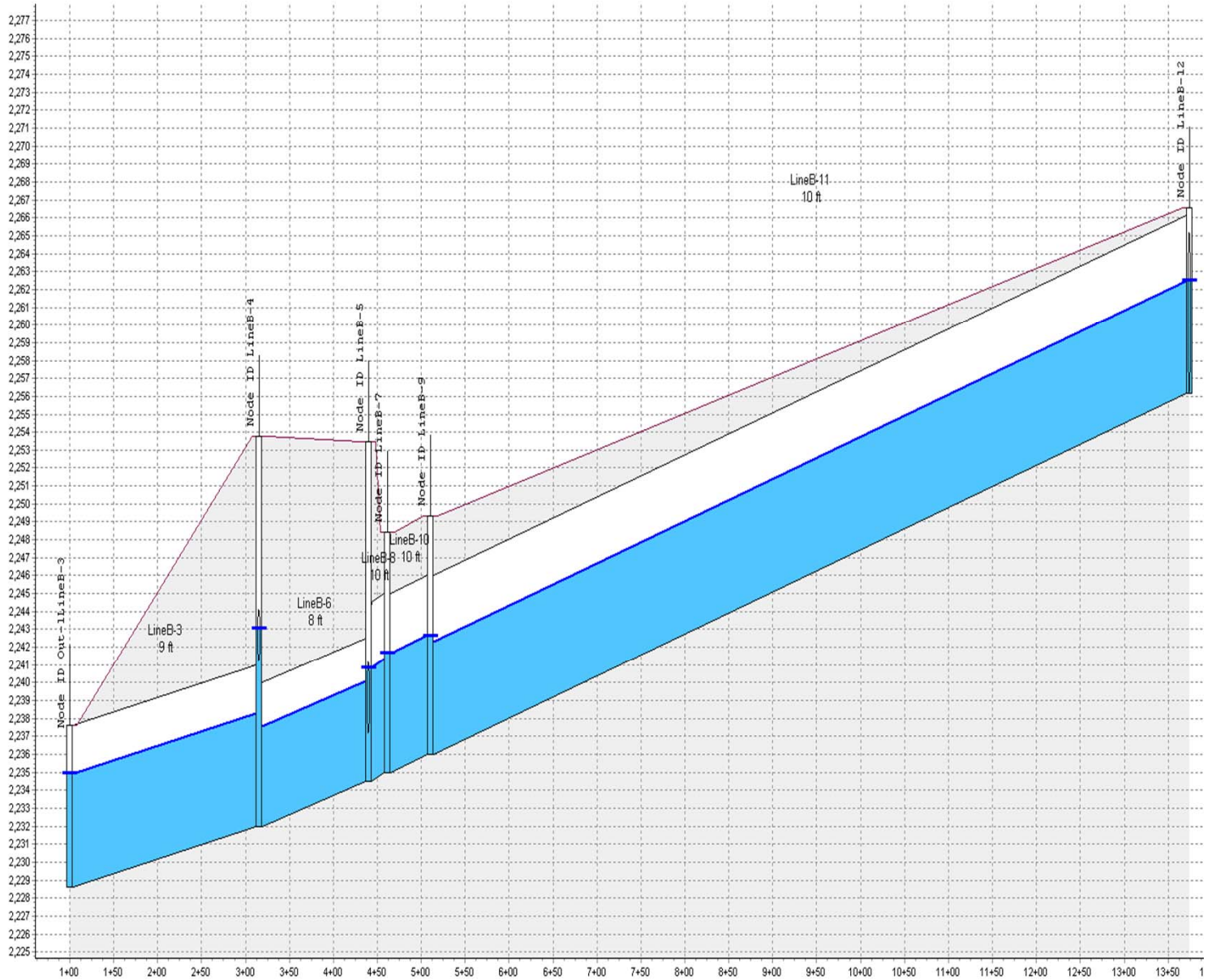
Node ID:	LineB-12	LineB-14	LineB-17	LineB-18	LineB-20	LineB-21
Rim (ft):	2266.53	2297	2303.22	2302.24	2313.21	2321.72
Invert (ft):	2256.17	2280	2284	2289	2300	2311.36
Min Pipe Cover (ft):	0.37	7	6	3.24	3.21	0.37
Max HGL (ft):	2262.5	2286.17	2295.24	2295.23	2306.23	2317.93

Link ID:	LineB-13	LineB-15	LineB-16	LineB-19	LineB-22
Length (ft):	380.76	158.35	204.66	498.94	422.09
Dia (ft):	9	10	10	10	10
Slope (%):	6.26	2.53	2.44	2.2	2.69
Up Invert (ft):	2280	2284	2289	2300	2311.36
Dn Invert (ft):	2256.17	2280	2284	2289	2300
Max Q (cfs):	1839.8	1839.8	1746.4	1746.4	1746.4
Max Vel (ft/s):	50	36.19	35.31	33.93	36.66
Max Depth (ft):	4.97	6.17	6.03	6.23	5.84



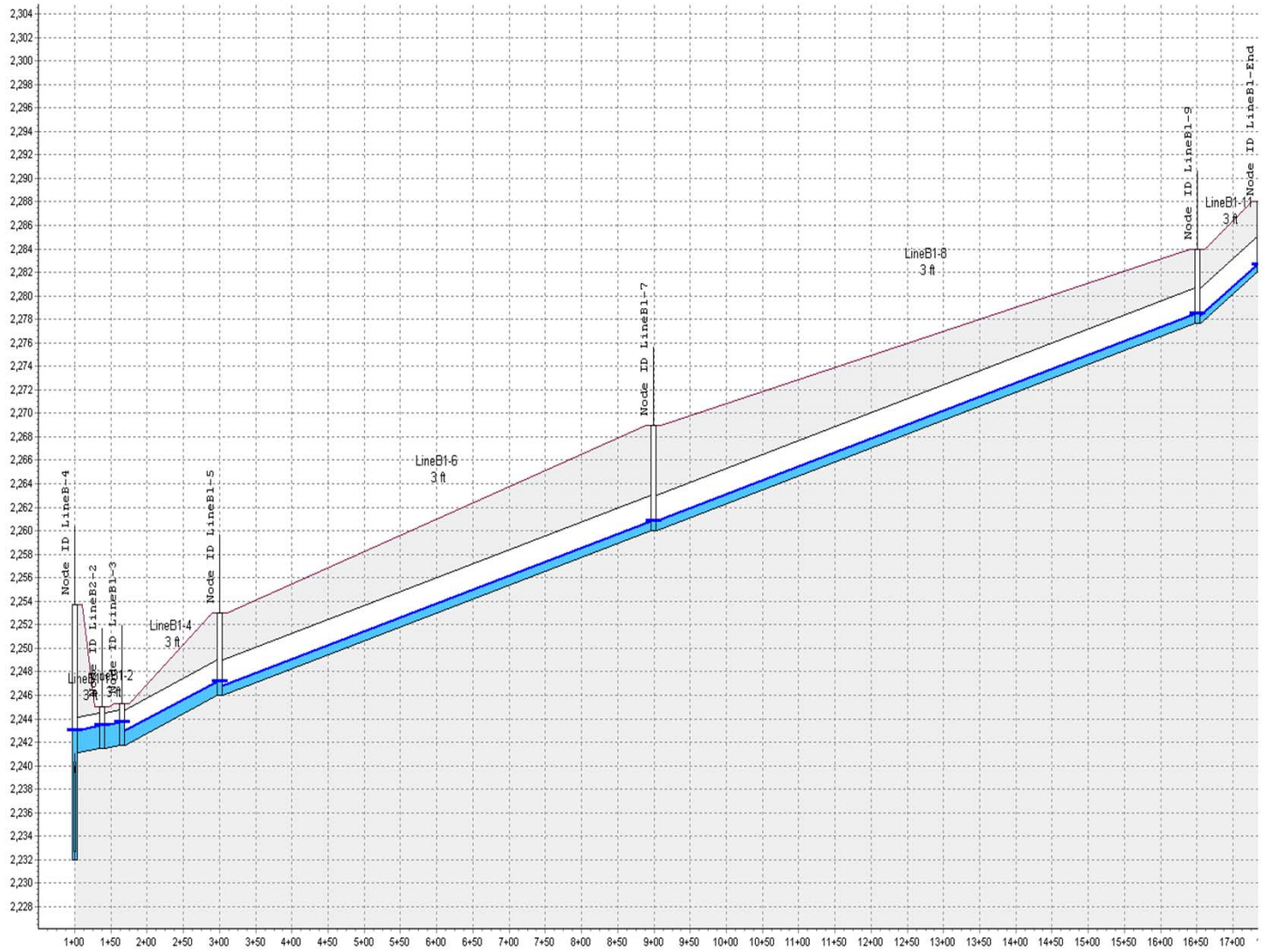
Node ID:	Out-1LineB-3	LineB-4	LineB-5	LineB-7	LineB-9	LineB-12
Rim (ft):		2253.75	2253.45	2248.4	2249.3	2266.53
Invert (ft):	2228.62	2232	2234.5	2235	2236	2256.17
Min Pipe Cover (ft):		9.62	8.95	3.4	3.3	0.37
Max HGL (ft):	6.28	2243.02	2240.83	2241.64	2242.64	2262.5

Link ID:	LineB-3	LineB-6	LineB-8	LineB-10	LineB-11
Length (ft):	215.38	125.16	21.25	48.6	863.94
Height (ft):	9	8	10	10	10
Width (ft):	11	11			
Type:	Single RCB	Single RCB	RCP	RCP	RCP
Slope (%):	1.57	2	2.35	2.06	2.33
Up Invert (ft):	2232	2234.5	2235	2236	2256.17
Dn Invert (ft):	2228.62	2232	2234.5	2235	2236
Max Q (cfs):	2026.6	1955.7	1847.2	1847.2	1839.8
Max Vel (ft/s):	29.33	31.86	35.23	33.39	35.09
Max Depth (ft):	6.28	5.58	6.33	6.64	6.33



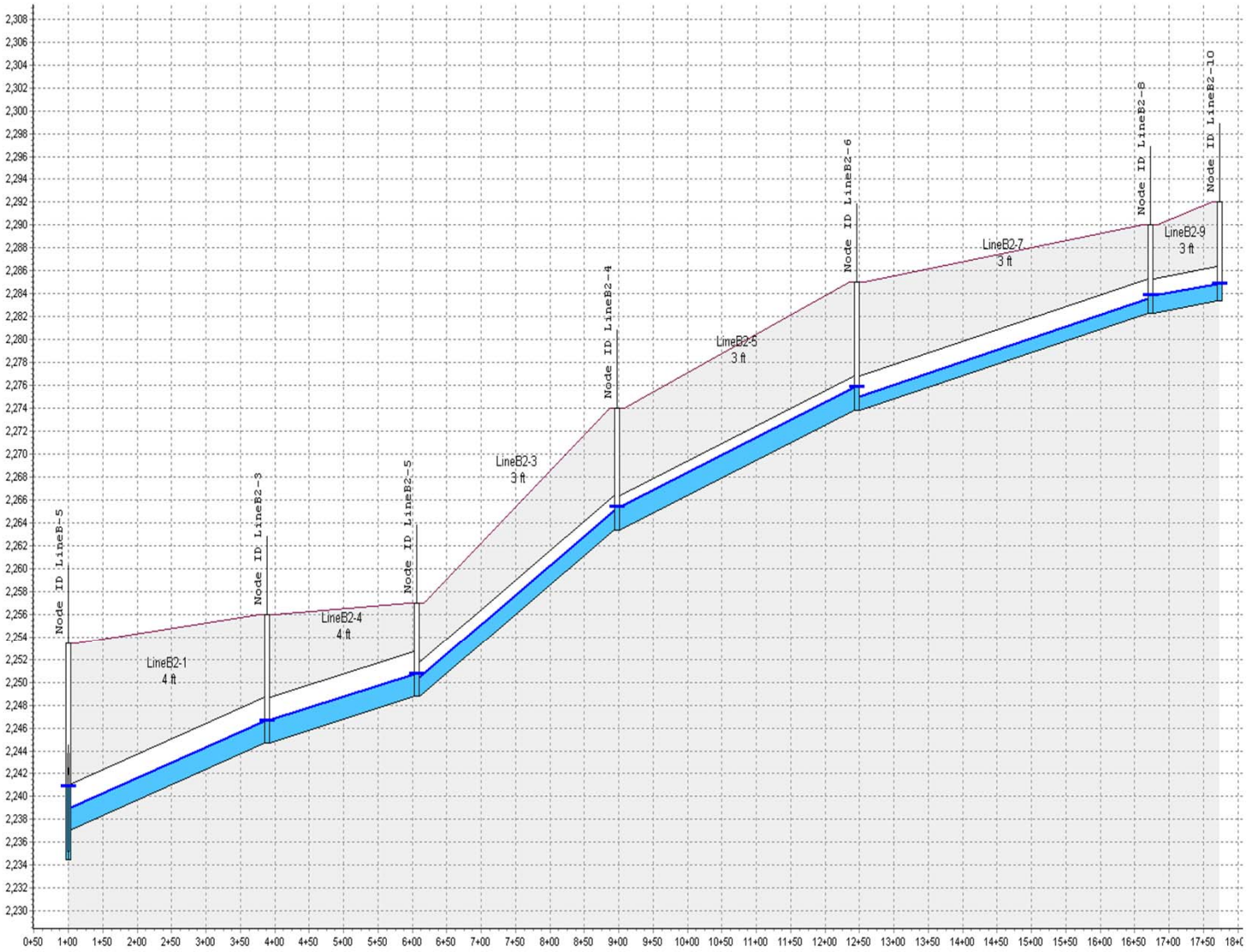
Node ID:	LineB-4	LineB2-2	LineB1-3	LineB1-5	LineB1-7	LineB1-9	LineB1-End
Rim (ft):	2253.75	2245.03	2245.3	2253	2269	2284	2288
Invert (ft):	2232	2241.52	2241.79	2246	2260	2277.67	2282
Min Pipe Cover (ft):	9.62	0.52	0.52	4	6	3.33	3
Max HGL (ft):	2243.02	2243.41	2243.67	2247.18	2260.78	2278.45	2282.64

Link ID:	LineB1-1	LineB1-2	LineB1-4	LineB1-6	LineB1-8	LineB1-11
Length (ft):	38.26	26.88	134.75	600	751.22	85.41
Dia (ft):	3	3	3	3	3	3
Slope (%):	1	1	3.13	2.33	2.35	5.07
Up Invert (ft):	2241.52	2241.79	2246	2260	2277.67	2282
Dn Invert (ft):	2241.13	2241.52	2241.79	2246	2260	2277.67
Max Q (cfs):	48.2	48.2	38.8	15	15	15
Max Vel (ft/s):	10.28	10.29	14.95	10.31	10.34	13.59
Max Depth (ft):	1.89	1.89	1.18	0.78	0.78	0.64



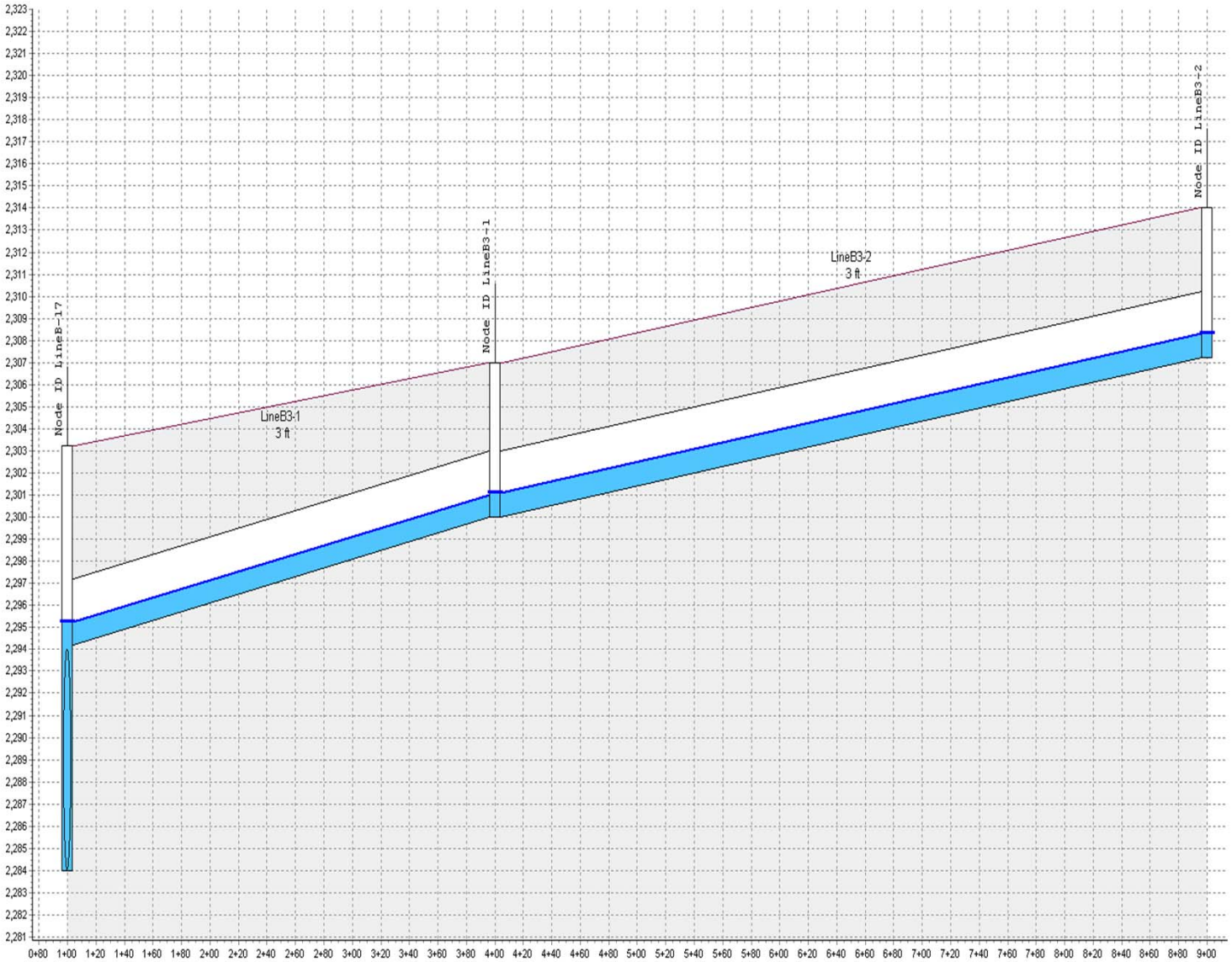
Node ID:	LineB-5	LineB2-3	LineB2-5	LineB2-4	LineB2-6	LineB2-8	LineB2-10
Rim (ft):	2253.45	2256	2257	2274	2285	2290	2292
Invert (ft):	2234.5	2244.71	2248.74	2263.34	2273.8	2282.34	2283.41
Min Pipe Cover (ft):	8.95	7.29	4.26	7.66	8.2	4.66	5.59
Max HGL (ft):	2240.83	2246.65	2250.68	2265.37	2275.83	2283.82	2284.89

Link ID:	LineB2-1	LineB2-4	LineB2-3	LineB2-5	LineB2-7	LineB2-9
Length (ft):	288.74	217.32	290.94	348.54	426.91	101.01
Dia (ft):	4	4	3	3	3	3
Slope (%):	2.62	1.86	5.02	3	2	1.06
Up Invert (ft):	2244.71	2248.74	2263.34	2273.8	2282.34	2283.41
Dn Invert (ft):	2237.15	2244.71	2248.74	2263.34	2273.8	2282.34
Max Q (cfs):	108.5	92.5	92.5	92.5	33.9	33.5
Max Vel (ft/s):	18.17	15.35	22.24	18.16	12.24	9.66
Max Depth (ft):	1.92	1.94	1.71	2.03	1.24	1.48



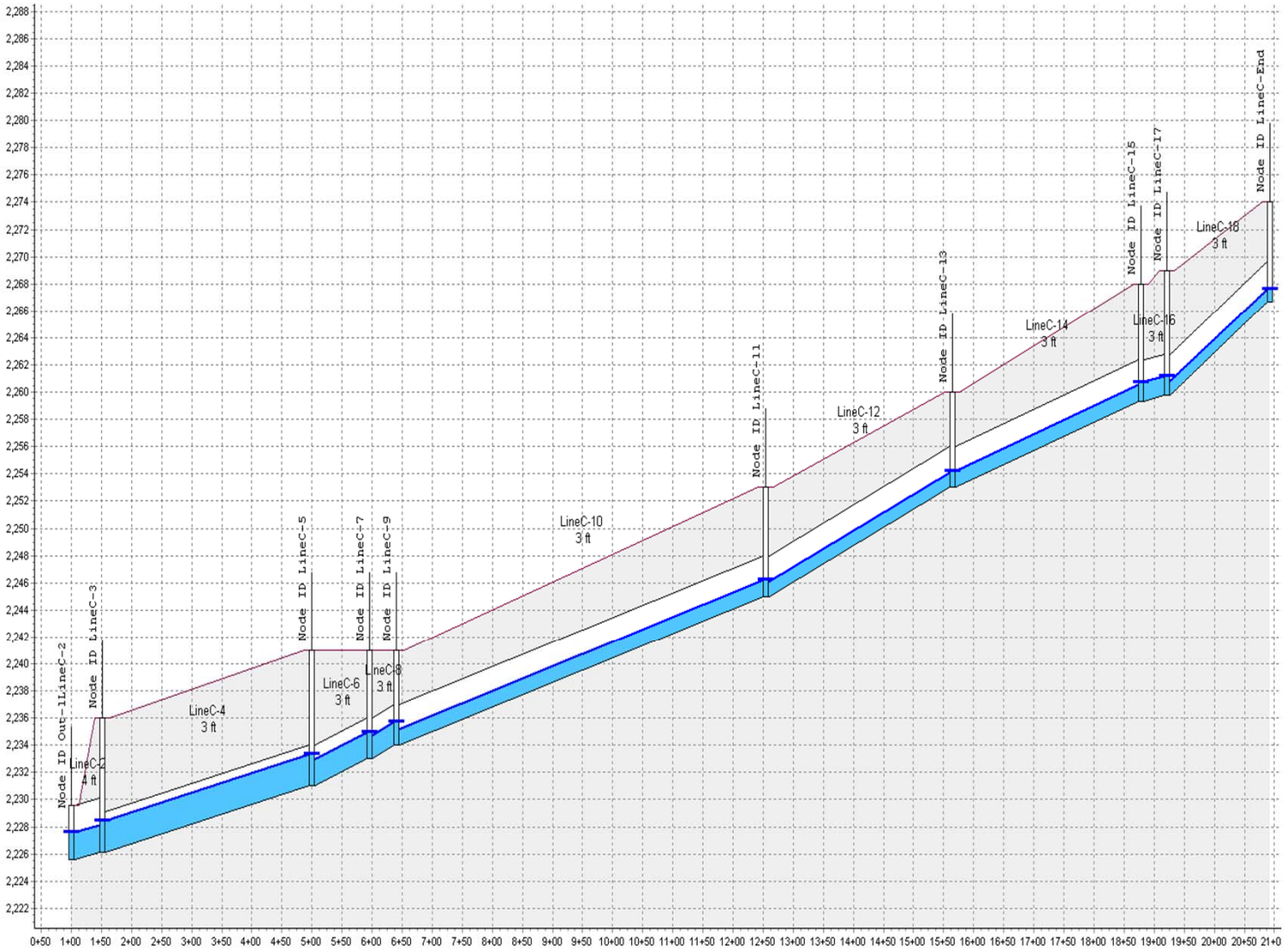
Node ID:	LineB-17	LineB3-1	LineB3-2
Rim (ft):	2303.22	2307	2314
Invert (ft):	2284	2300	2307.22
Min Pipe Cover (ft):	6	4	3.78
Max HGL (ft):	2295.24	2301.1	2308.32

Link ID:	LineB3-1	LineB3-2
Length (ft):	300	500
Dia (ft):	3	3
Slope (%):	1.93	1.44
Up Invert (ft):	2300	2307.22
Dn Invert (ft):	2294.22	2300
Max Q (cfs):	22.9	22.9
Max Vel (ft/s):	10.84	9.78
Max Depth (ft):	1.02	1.1



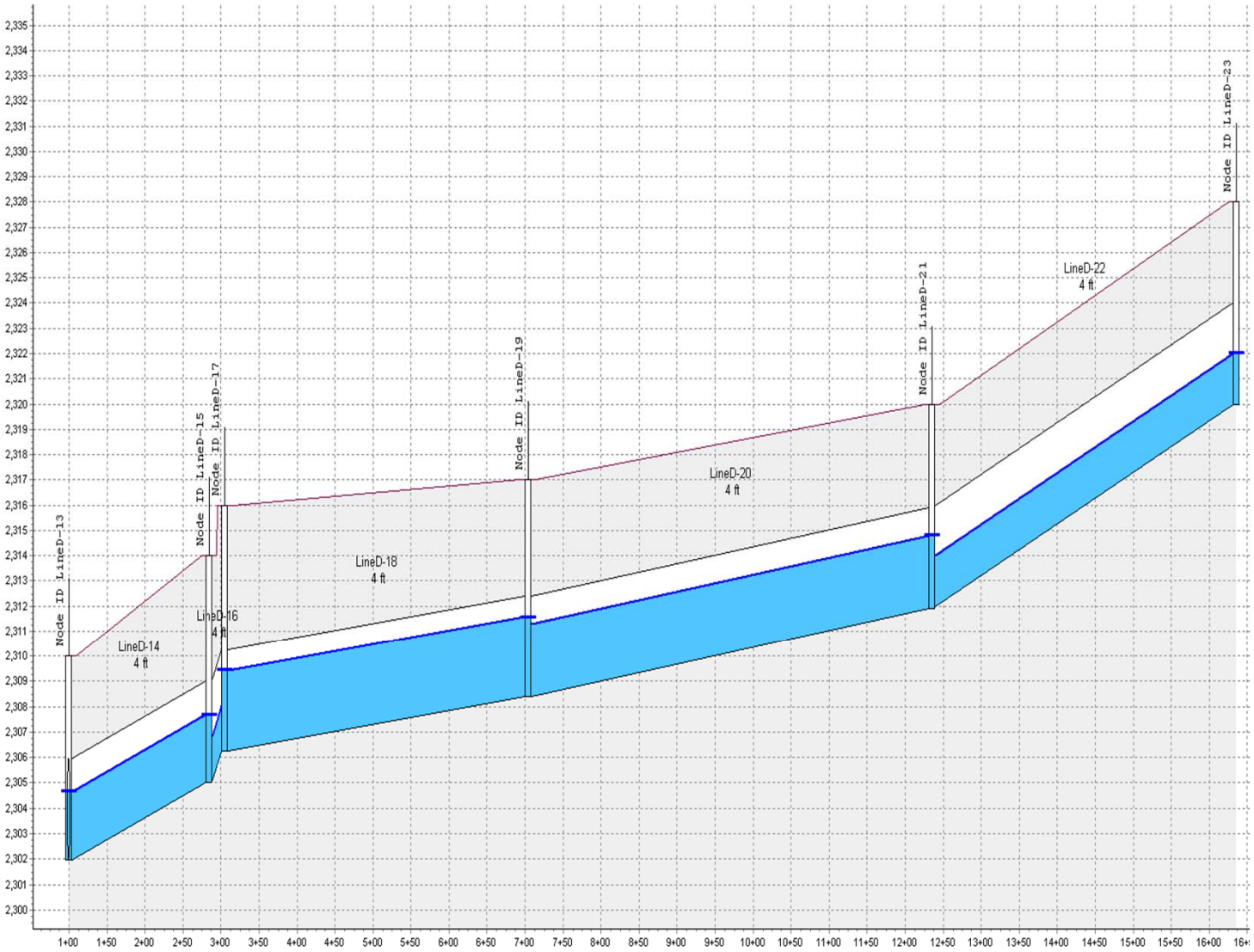
Node ID:	Out-1LineC-2	LineC-3	LineC-5	LineC-7	LineC-9	LineC-11	LineC-13	LineC-15	LineC-17	LineC-End
Rim (ft):		2236	2241	2241	2241	2253	2260	2268	2269	2274
Invert (ft):	2225.6	2226.14	2231	2233	2234	2245	2253.04	2259.35	2259.79	2266.65
Min Pipe Cover (ft):		5.86	7	5	4	5	3.96	5.65	6.21	4.35
Max HGL (ft):	2.02	2228.45	2233.31	2234.97	2235.69	2246.19	2254.19	2260.74	2261.17	2267.61

Link ID:	LineC-2	LineC-4	LineC-6	LineC-8	LineC-10	LineC-12	LineC-14	LineC-16	LineC-18
Length (ft):	52.04	347.96	95.36	45.32	613.49	310.32	314.17	42.25	171.55
Dia (ft):	4	3	3	3	3	3	3	3	3
Slope (%):	1.04	1.4	2.1	2.21	1.79	2.59	2.01	1.04	4
Up Invert (ft):	2226.14	2231	2233	2234	2245	2253.04	2259.35	2259.79	2266.65
Dn Invert (ft):	2225.6	2226.14	2231	2233	2234	2245	2253.04	2259.35	2259.79
Max Q (cfs):	74.1	74.1	74.1	60.3	29.7	29.7	29.7	29.7	29.7
Max Vel (ft/s):	11.67	12.67	15.06	14.69	11.35	12.98	11.82	9.3	15.19
Max Depth (ft):	2.02	2.31	1.97	1.69	1.19	1.08	1.16	1.39	0.96



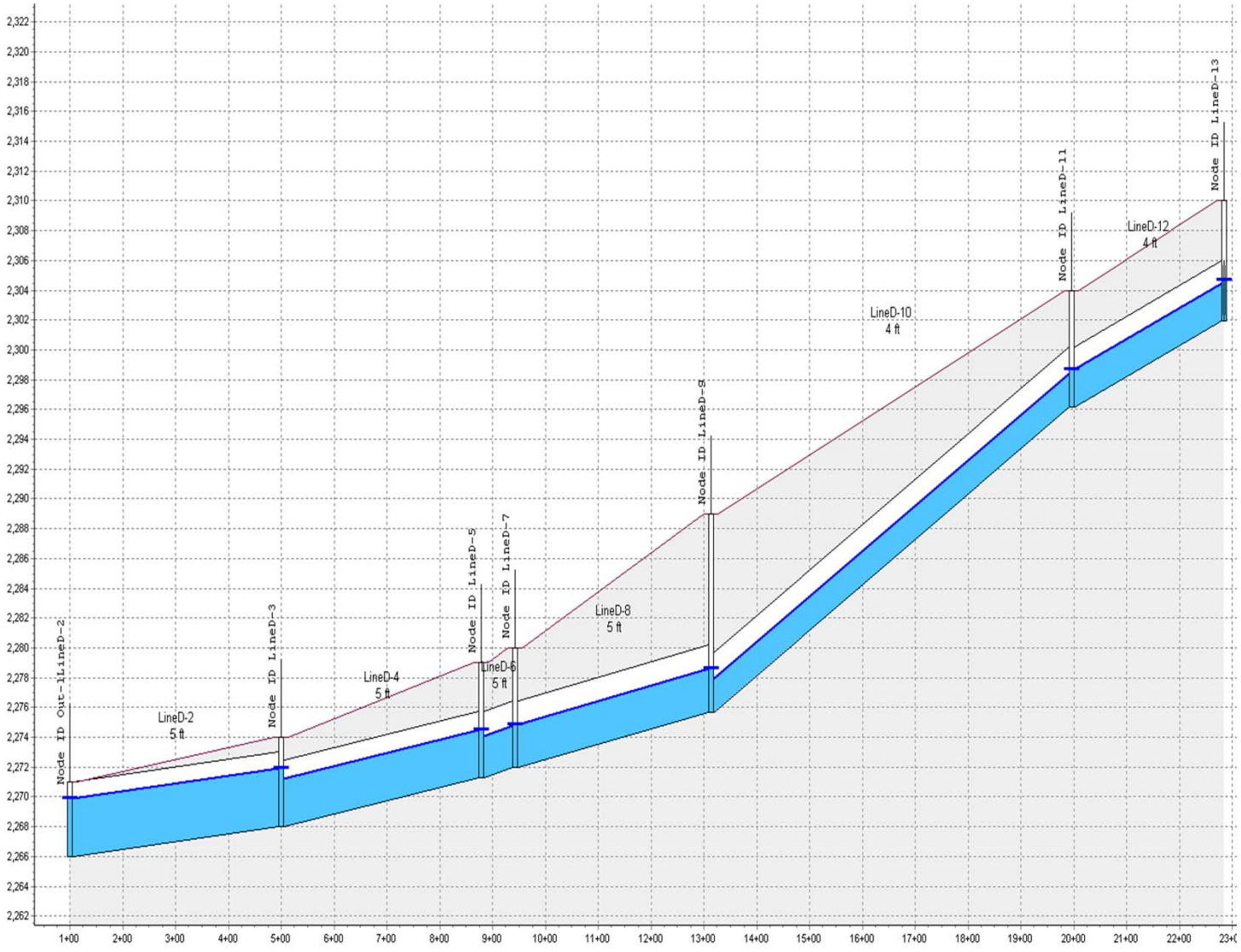
Node ID:	LineD-13	LineD-15	LineD-17	LineD-19	LineD-21	LineD-23
Rim (ft):	2310	2314	2316	2317	2320	2328
Invert (ft):	2301.98	2305	2306.27	2308.39	2311.9	2320
Min Pipe Cover (ft):	4.02	4.9	5.73	4.61	4	4
Max HGL (ft):	2304.66	2307.68	2309.43	2311.55	2314.78	2322

Link ID:	LineD-14	LineD-16	LineD-18	LineD-20	LineD-22
Length (ft):	185	19.72	400	531	400
Dia (ft):	4	4	4	4	4
Slope (%):	1.63	5.91	0.53	0.66	2
Up Invert (ft):	2305	2306.27	2308.39	2311.9	2320
Dn Invert (ft):	2301.98	2305.1	2306.27	2308.39	2312
Max Q (cfs):	145.1	137.7	101.1	101.1	101.1
Max Vel (ft/s):	16.2	26.12	9.49	10.45	16.14
Max Depth (ft):	2.68	1.75	3.16	2.88	2



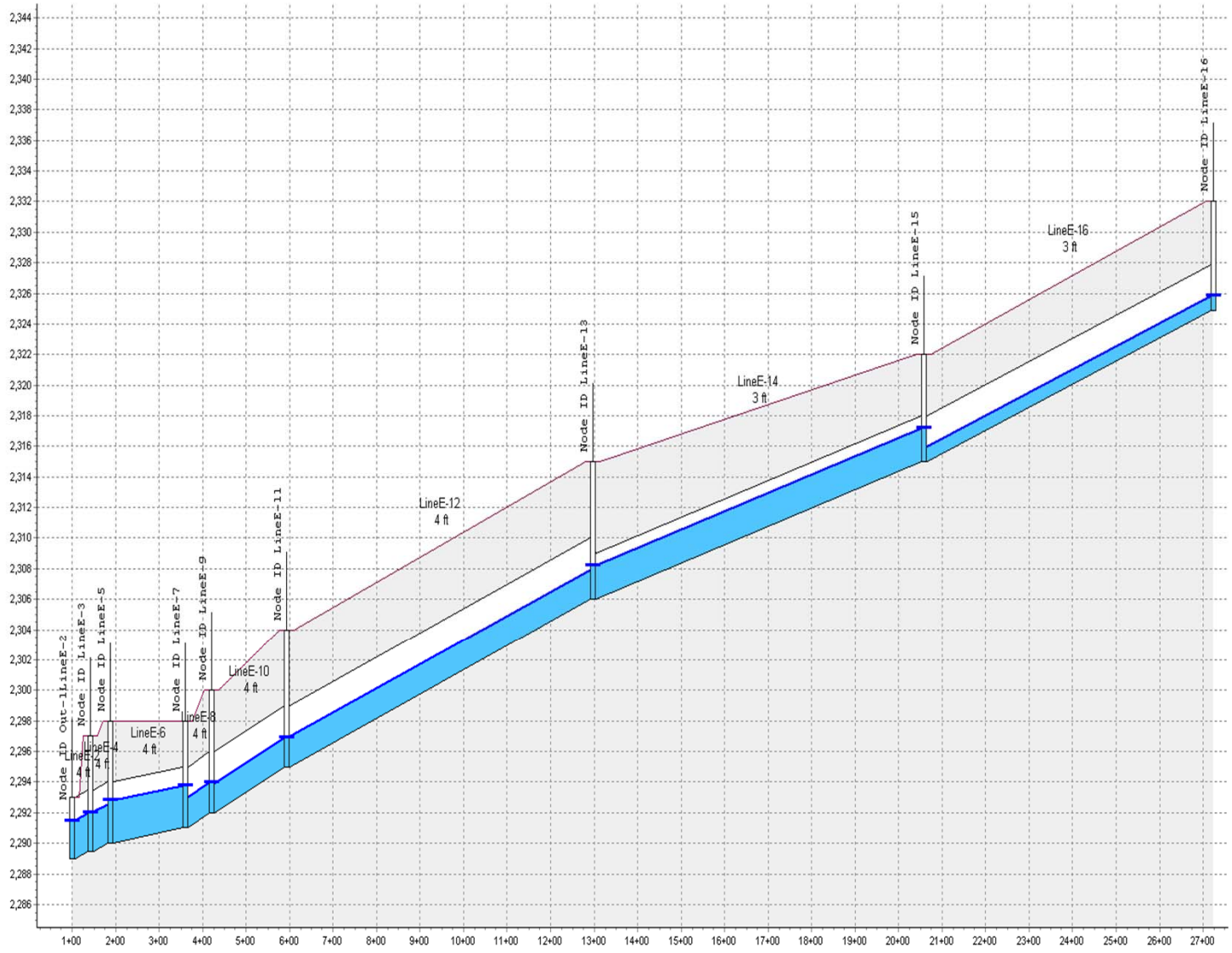
Node ID:	Out-1LineD-2	LineD-3	LineD-5	LineD-7	LineD-9	LineD-11	LineD-13
Rim (ft):		2274	2279	2280	2289	2304	2310
Invert (ft):	2266	2268	2271.27	2271.97	2275.71	2296.19	2301.98
Min Pipe Cover (ft):		1	3.23	3.53	8.79	3.81	4.02
Max HGL (ft):	3.93	2271.93	2274.51	2274.84	2278.58	2298.69	2304.66

Link ID:	LineD-2	LineD-4	LineD-6	LineD-8	LineD-10	LineD-12
Length (ft):	400	378.9	63.08	371.28	682.77	288.26
Dia (ft):	5	4.5	4.5	4.5	4	4
Slope (%):	0.5	0.86	1.11	1.01	3	2.01
Up Invert (ft):	2268	2271.27	2271.97	2275.71	2296.19	2301.98
Dn Invert (ft):	2266	2268	2271.27	2271.97	2275.71	2296.19
Max Q (cfs):	176.5	158.4	145.1	145.1	145.1	145.1
Max Vel (ft/s):	10.67	12.93	14.08	13.56	20.55	17.58
Max Depth (ft):	3.93	3.24	2.78	2.87	2.19	2.5



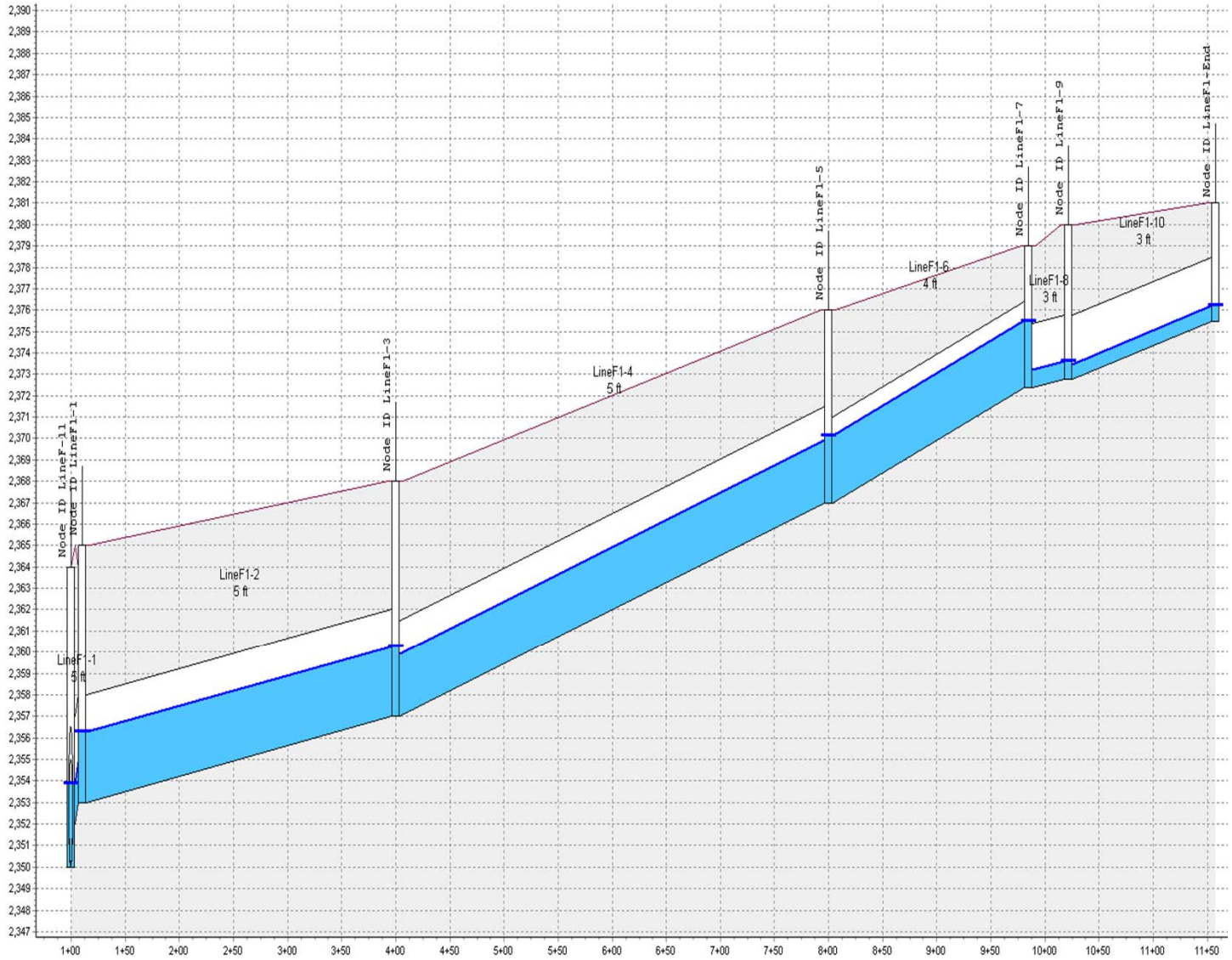
Node ID:	Out-1LineE-2	LineE-3	LineE-5	LineE-7	LineE-9	LineE-11	LineE-13	LineE-15	LineE-16
Rim (ft):		2297	2298	2298	2300	2304	2315	2322	2332
Invert (ft):	2289	2289.5	2290	2291	2292	2295	2306	2315	2324.89
Min Pipe Cover (ft):		3.5	4	3	4	5	5	4	4.11
Max HGL (ft):	2.45	2292.03	2292.78	2293.78	2293.99	2296.93	2308.21	2317.21	2325.83

Link ID:	LineE-2	LineE-4	LineE-6	LineE-8	LineE-10	LineE-12	LineE-14	LineE-16
Length (ft):	42.34	46.26	171.27	61.38	172.15	703.7	760.22	666.35
Dia (ft):	4	4	4	4	4	4	3	3
Slope (%):	1.18	1.08	0.58	1.63	1.74	1.56	1.18	1.48
Up Invert (ft):	2289.5	2290	2291	2292	2295	2306	2315	2324.89
Dn Invert (ft):	2289	2289.5	2290	2291	2292	2295	2306	2315
Max Q (cfs):	108.3	108.3	90.8	90.8	84.7	84.7	64.6	17.1
Max Vel (ft/s):	13.41	12.95	9.76	14.55	14.66	14.08	11.59	9.11
Max Depth (ft):	2.45	2.53	2.78	1.99	1.87	1.93	2.21	0.93



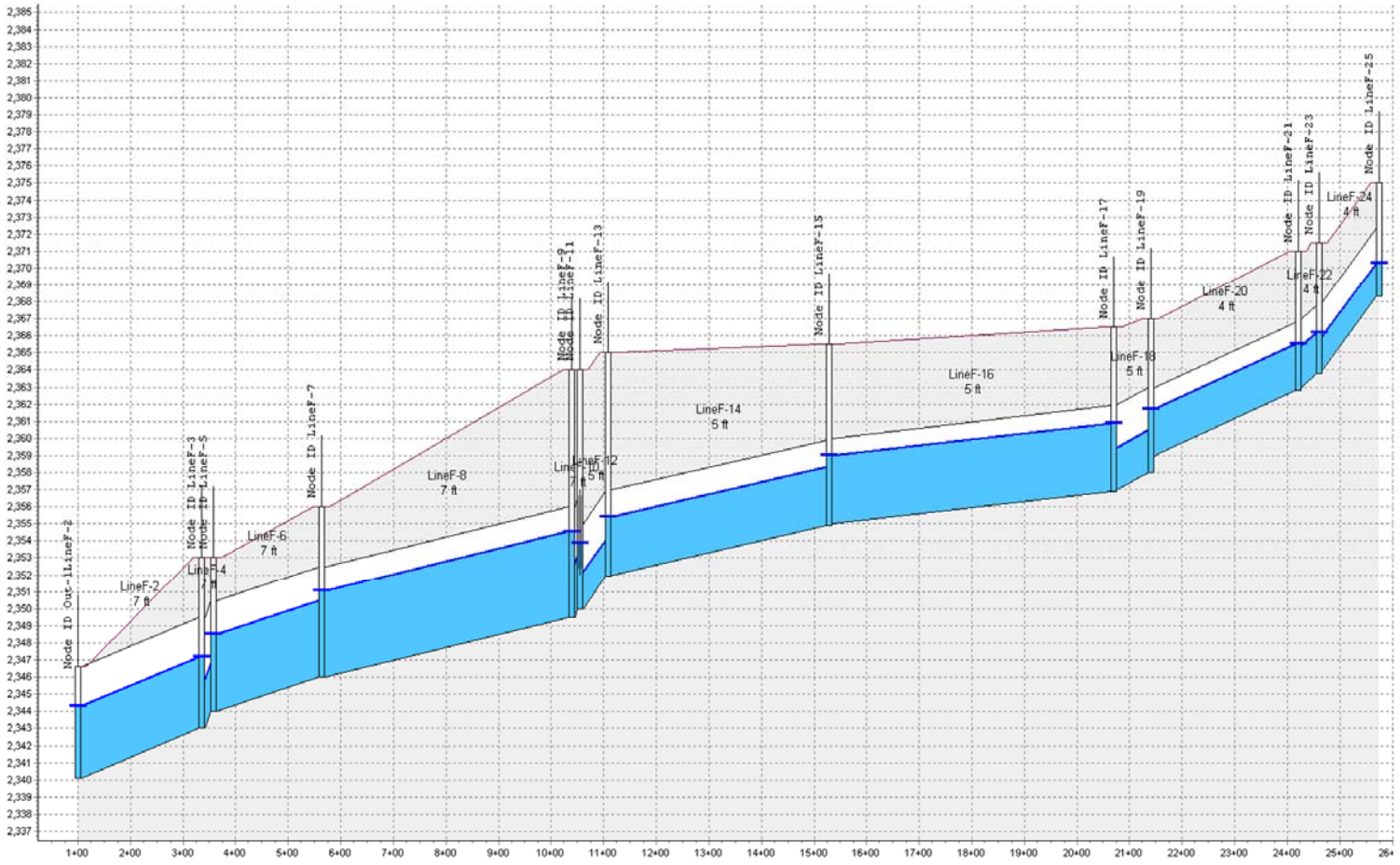
Node ID:	LineF-11	LineF1-1	LineF1-3	LineF1-5	LineF1-7	LineF1-9	LineF1-End
Rim (ft):	2364	2365	2368	2376	2379	2380	2381
Invert (ft):	2350	2353	2357	2367	2372.39	2372.77	2375.49
Min Pipe Cover (ft):	7	7	6	4.5	2.61	4.23	2.51
Max HGL (ft):	2353.86	2356.27	2360.27	2370.11	2375.5	2373.61	2376.2

Link ID:	LineF1-1	LineF1-2	LineF1-4	LineF1-6	LineF1-8	LineF1-10
Length (ft):	10.34	289.66	400	184.6	37.19	135.82
Dia (ft):	5	5	4.5	4	3	3
Slope (%):	9.67	1.38	2.5	2.92	1.03	2
Up Invert (ft):	2353	2357	2367	2372.39	2372.77	2375.49
Dn Invert (ft):	2352	2353	2357	2367	2372.39	2372.77
Max Q (cfs):	239.4	233.1	233.1	233.1	11.6	11.6
Max Vel (ft/s):	35.89	17.16	21.45	22.2	7.15	9.06
Max Depth (ft):	1.86	3.27	2.91	3.11	0.84	0.71



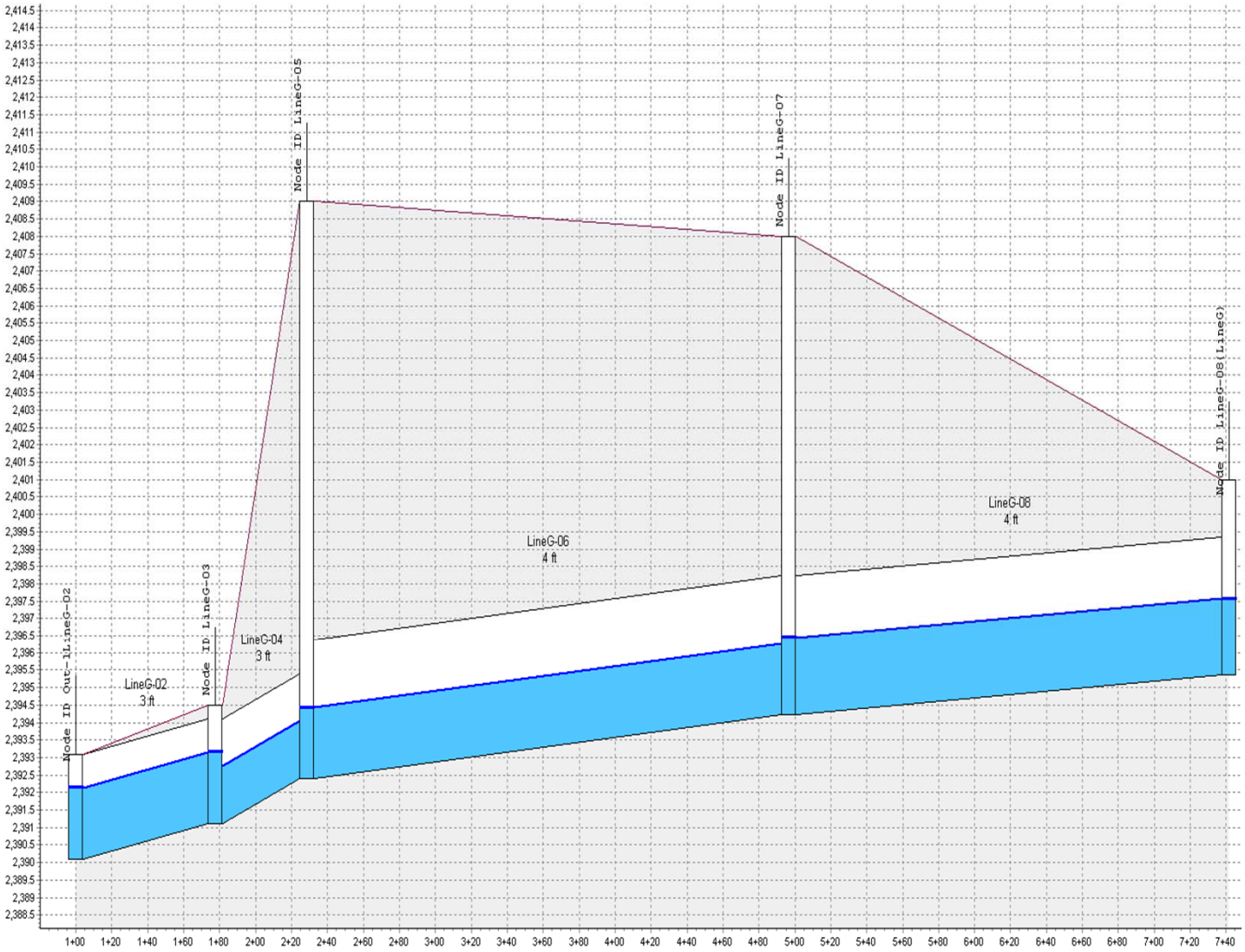
Node ID:	Out-1LineF-2	LineF-3	LineF-5	LineF-7	LineF-9	LineF-11	LineF-13	LineF-15	LineF-17	LineF-19	LineF-21	LineF-23	LineF-25
Rim (ft):		2353	2353	2356	2364	2364	2365	2365.5	2366.5	2367	2371	2371.5	2375
Invert (ft):	2340.1	2343	2344	2346	2349.5	2350	2351.9	2354.9	2356.9	2358	2362.8	2363.8	2368.34
Min Pipe Cover (ft):		3.5	2.5	3.5	8	7	8	5.5	4.5	4	4	3.5	2.66
Max HGL (ft):	4.17	2347.17	2348.51	2351.05	2354.55	2353.86	2355.43	2359	2360.9	2361.71	2365.51	2366.18	2370.29

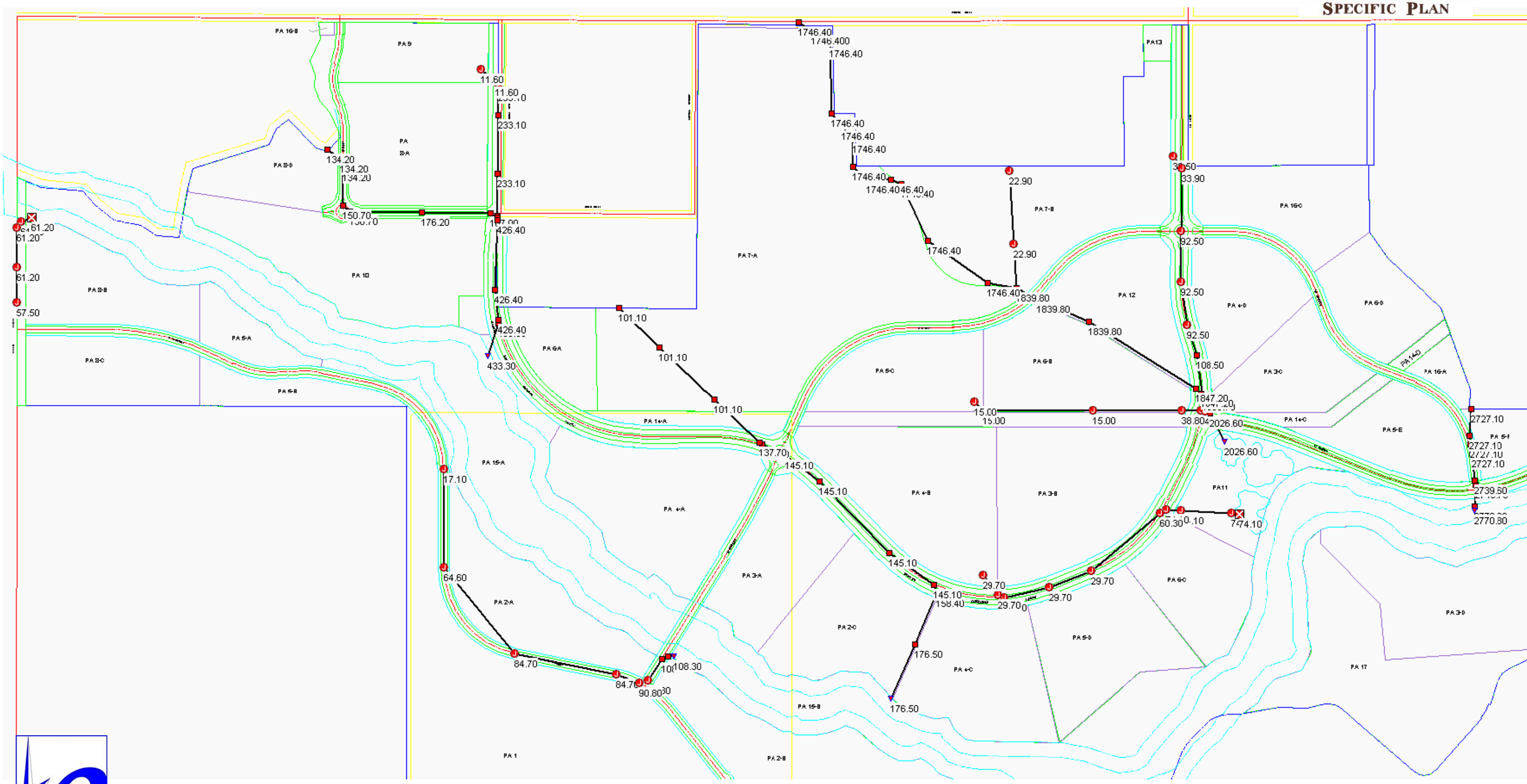
Link ID:	LineF-2	LineF-4	LineF-6	LineF-8	LineF-10	LineF-12	LineF-14	LineF-16	LineF-18	LineF-20	LineF-22	LineF-24
Length (ft):	234.51	22.46	206.87	475.05	16.2	52.89	420	542	70.69	280.16	40.48	113.49
Dia (ft):	6.5	6.5	6.5	6.5	6.5	5	5	5	5	4	4	4
Slope (%):	1.24	4.45	0.97	0.74	3.09	3.59	0.69	0.35	1.41	1.36	1.98	3.83
Up Invert (ft):	2343	2344	2346	2349.5	2350	2351.9	2354.9	2356.9	2358	2362.8	2363.8	2368.34
Dn Invert (ft):	2340.1	2343	2344	2346	2349.5	2350	2352	2355	2357	2359	2363	2364
Max Q (cfs):	433.3	426.4	426.4	426.4	426.4	187	176.2	150.7	150.7	134.2	134.2	134.2
Max Vel (ft/s):	19.24	31.15	17.35	15.42	27.22	23.38	12.28	8.95	15.66	14.79	17.18	22.1
Max Depth (ft):	4.17	2.8	4.51	5.05	3.11	2.13	3.43	4	2.46	2.71	2.38	1.95

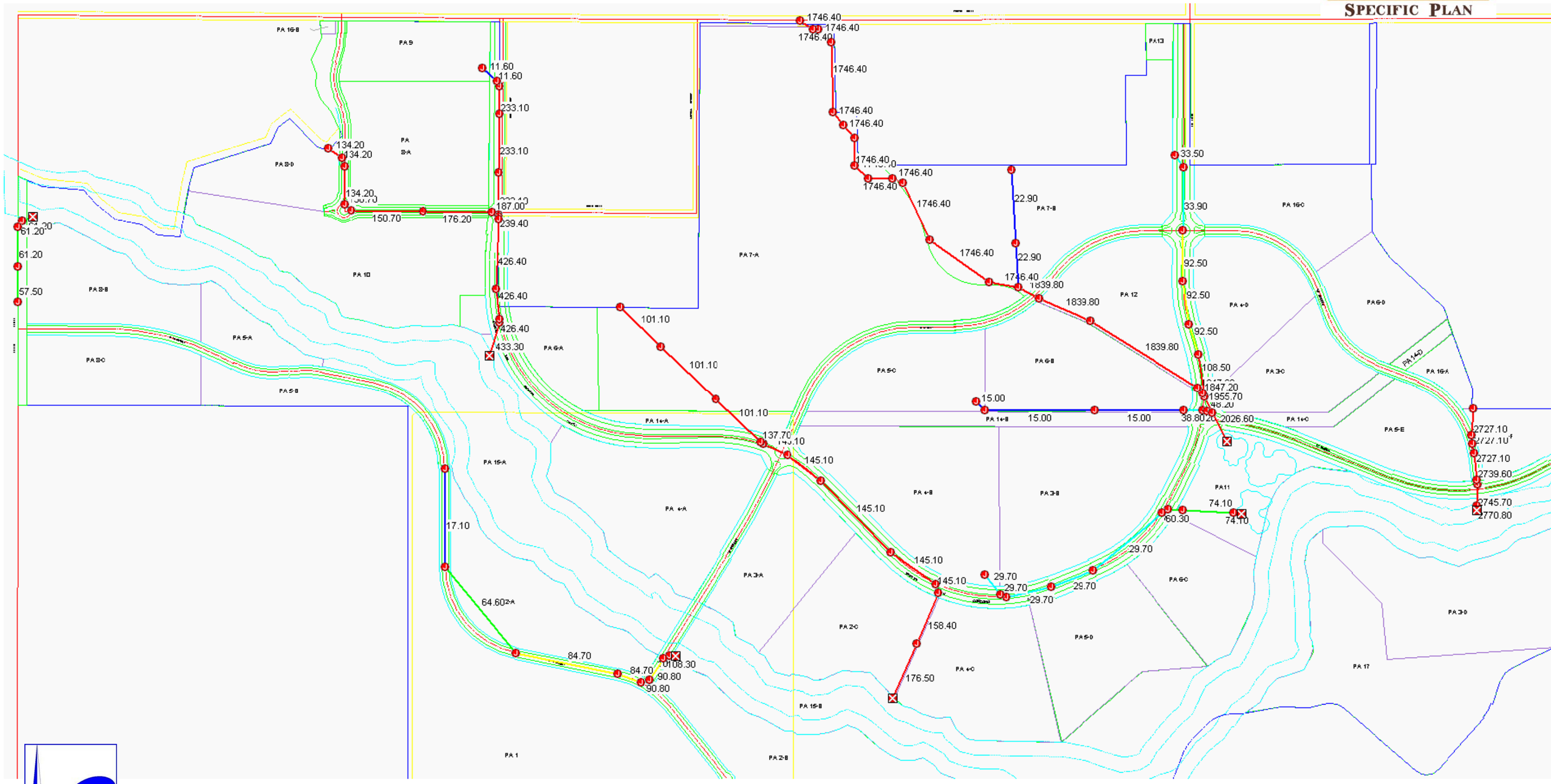


Node ID:	Out-1LineG-02	LineG-03	LineG-05	LineG-07	LineG-08{LineG}
Rim (ft):		2394.5	2409	2408	2401
Invert (ft):	2390.1	2391.12	2392.4	2394.23	2395.35
Min Pipe Cover (ft):		0.38	12.6	9.77	1.65
Max HGL (ft):	2.03	2393.15	2394.43	2396.45	2397.57

Link ID:	LineG-02	LineG-04	LineG-06	LineG-08
Length (ft):	77.7	51.06	268	244.83
Dia (ft):	3	3	4	4
Slope (%):	1.31	2.5	0.68	0.46
Up Invert (ft):	2391.12	2392.4	2394.23	2395.35
Dn Invert (ft):	2390.1	2391.12	2392.4	2394.23
Max Q (cfs):	61.2	61.2	61.2	57.5
Max Vel (ft/s):	12	15.47	9.53	8.05
Max Depth (ft):	2.03	1.64	2.04	2.22




PA 16-B
PA 9
PA 8-A
PA 8-D
PA 10
PA 8-B
PA 8-A
PA 8-C
PA 8-E
PA 6-A
PA 7-A
PA 5-C
PA 7-B
PA 13
PA 16-C
PA 12
PA 4-D
PA 6-D
PA 6-B
PA 14-A
PA 15-A
PA 4-A
PA 4-B
PA 3-B
PA 11
PA 14-C
PA 5-E
PA 5-F
PA 14-D
PA 16-A
PA 3-C
PA 2-A
PA 3-A
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PA 6-C
PA 5-D
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90.80
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108.30


PA 16-B
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PA 10
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PA 5-C
PA 14-A
PA 15-A
PA 4-A
PA 3-A
PA 2-C
PA 4-C
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PA 7-B
PA 12
PA 14-B
PA 6-B
PA 4-B
PA 3-B
PA 5-D
PA 16-C
PA 14-D
PA 3-C
PA 14-C
PA 6-C
PA 11
PA 5-E
PA 16-A
PA 3-D
PA 17
1746.40
1746.40
1746.40

Appendix F: Preliminary Water Quality Infiltration Basin Calculations

Whitewater Watershed

BMP Design Volume, V_{BMP} (Rev. 03-2012)

Legend: Required Entries / Calculated Cells

Company Name	Encompass Associates, Inc.	Date	2/4/2015
Designed by	Aaron Skeers	County/City Case No	
Company Project Number/Name	Rancho San Gorgonio - 102-212		
Drainage Area Number/Name	Overall (developed areas only)		

Enter the Area Tributary to this Feature A_T = 695 acres

Determine the Effective Impervious Fraction

Type of post-development surface cover (use pull down menu): Mixed Surface Types

Effective Impervious Fraction I_f = 0.44

Calculate the composite Runoff Coefficient, C for the BMP Tributary Area

Use the following equation based on the WEF/ASCE Method

$C = 0.858I_f^3 - 0.78I_f^2 + 0.774I_f + 0.04$

C = 0.30

Determine Design Storage Volume, V_{BMP}

Calculate V_U, the 85% Unit Storage Volume $V_U = 0.40 \times C$

V_u = 0.12 (in*ac)/ac

Calculate the design storage volume of the BMP, V_{BMP}.

$$V_{BMP}\ (ft^3) = \frac{V_U\ (in\text{-}ac/ac) \times A_T\ (ac) \times 43{,}560\ (ft^2/ac)}{12\ (in/ft)}$$

V_{BMP} = 302,742 ft^3

Notes:

This calculation sheet is provided to show the procedure for determining water quality volumes. See the Conceptual WQMP for detailed calculations for each planning area.

Infiltration Basin - Design Procedure (Rev. 03-2012)	BMP ID	Legend:	Required Entries / Calculated Cells

Company Name: Encompass Associates, Inc. Date: 2/14/2013

Designed by: Aaron Skeers County/City Case No.:

Design Volume

a) Tributary area (BMP subarea)	Tributary area may not exceed 50 acres	A_T =	695	acres
b) Enter V_{BMP} determined from Section 2.1 of this Handbook		V_{BMP}=	302,742	ft^3

Maximum Depth

a) Infiltration rate		I =	1	in/hr
b) Factor of Safety (See Table 1, Appendix A: "Infiltration Testing" from this BMP Handbook)		FS =	3	
c) Calculate D_1	$D_1 = \frac{I\ (in/hr) \times 72\ hrs}{12\ (in/ft) \times FS}$	D_1 =	2.0	ft
d) Enter the depth of freeboard (at least 1 ft)			1	ft
e) Enter depth to historic high ground water (measured from **top** of basin)			50	ft
f) Enter depth to top of bedrock or impermeable layer (measured from **top** of basin)			50	ft
g) D_2 is the smaller of: Depth to groundwater - (10 ft + freeboard) and Depth to impermeable layer - (5 ft + freeboard)		D_2 =	39.0	ft
h) D_{MAX} is the smaller value of D_1 and D_2 but shall not exceed 5 feet		D_{MAX} =	2.0	ft

Basin Geometry

a) Basin side slopes (no steeper than 4:1)		z =	4	:1
b) Proposed basin depth (excluding freeboard)		d_B =	2.0	ft
c) Minimum bottom surface area of basin ($A_S = V_{BMP}/d_B$)		A_S =	151371	ft^2
d) Proposed Design Surface Area		A_D =	151371	ft^2

Forebay

a) Forebay volume (minimum 0.5% V_{BMP})		Volume =	1514	ft^3
b) Forebay depth (height of berm/splashwall. 1 foot min.)		Depth =	1	ft
c) Forebay surface area (minimum)		Area =	1514	ft^2
d) Full height notch-type weir		Width (W) =	36.0	in

Notes: This sheet is provided to show the procedure.

152885

PA	Subbasin	Area (AC)	F*	Ap**	100-year 3-hr Flood Volume ac-ft	Appr. Bottom Footprint sf	WQ Vbmp (cf)	Minimum footprint SA (sf)
1	S4.1	23.45146	0.21	0.65	2.86	36,705	8513	6401
8C	P3.3	11.50534	0.09	0.20	1.74	21,583	10023	7536
5B	P3.3-2	4.563683	0.35	1.00	0.41	4,176	265	199
8B	P3.2	13.93708	0.09	0.20	2.11	26,546	12142	9129
5A	P3.2-2	5.188012	0.34	1.00	0.47	5,002	301	226
ST1	P3.4	5.117312	0.07	0.39	0.80	9,138	3121	2347
SB1	P3	9.109586	0.37	1.00	0.77	8,755	529	398
8D	P3.12A	8.677868	0.10	0.20	1.29	15,580	7560	5684
ST2	P3.7	5.956398	0.07	0.41	0.94	10,922	3459	2601
8A	P3.9	18.51348	0.09	0.20	2.80	35,968	16129	12127
9	P3.8	9.32864	0.06	0.10	1.48	18,108	9888	7435
ST3	P3.10	3.655157	0.09	0.54	0.56	6,037	1645	1237
ST4	P3.11	3.597304	0.08	0.51	0.55	5,992	1724	1296
SB1	P3.13	6.250073	0.28	1.00	0.66	7,288	363	273
10	P3.12	25.97713	0.31	0.85	2.55	32,514	5281	3971
1	P3.16	26.72702	0.23	0.65	3.14	40,573	9702	7295
2A	P3.17	15.83892	0.23	0.65	1.85	23,070	5750	4323
SB1	P3.18	5.404385	0.38	1.00	0.45	4,648	314	236
ST1	P3.20	2.781263	0.06	0.39	0.45	4,635	1696	1275
6A	P3.14	7.667013	0.18	0.50	0.99	11,601	3785	2846
SB1	P3.21	5.950159	0.26	1.00	0.65	7,248	346	260
4A	P3.19	21.99191	0.18	0.50	2.84	36,465	10857	8163
2B	P3.23	17.16476	0.23	0.65	2.02	25,277	6231	4685
7A	P3.26	26.87647	0.12	0.30	3.90	50,975	19122	14377
SB1	P3.24	6.01846	0.37	1.00	0.51	5,433	350	263
ST4	P3.27	7.169015	0.08	0.51	1.11	13,187	3435	2583
3A	P3.29	19.9987	0.20	0.55	2.49	31,631	9002	6768
2C	P3.30	16.33263	0.23	0.65	1.92	23,958	5929	4458
4C	P3.31	18.36488	0.18	0.50	2.37	30,084	9066	6817
SB1	P3.32	7.691236	0.34	1.00	0.70	7,832	447	336
5D	S7.1	21.63025	0.18	0.50	2.79	35,828	10678	8029
6C	S7.2	12.21997	0.18	0.50	1.58	19,382	6033	4536
SB1	S7.3	3.990745	0.32	1.00	0.38	3,871	232	174
7A	M3.1	58.65834	0.11	0.30	8.65	117,220	41734	31379
ST1	M3.2	2.554673	0.06	0.39	0.41	4,190	1558	1171
12	M3.10	10.86636	0.34	0.90	0.99	11,651	1736	1305
13	M3.7	1.078862	0.38	1.00	0.09	546	63	47
ST1	M3.8	7.067739	0.07	0.39	1.11	13,115	4310	3241
7B	M3.6	30.69789	0.12	0.30	4.42	58,182	21841	16422
ST5	M3.9	4.891396	0.09	0.59	0.74	8,369	2060	1549
4D	M3.11	12.29542	0.18	0.50	1.59	19,513	6070	4564
5C	M3.12	12.598	0.18	0.50	1.64	20,179	6219	4676
6B	M3.13	18.74794	0.17	0.50	2.47	31,376	9255	6959
4B	M3.15	23.20162	0.18	0.50	3.00	38,602	11454	8612
3B	M3.16	23.80695	0.19	0.55	3.02	38,880	10716	8057
ST4	M3.17	8.156227	0.08	0.51	1.26	15,205	3908	2938
3C	M3.18	10.62081	0.20	0.55	1.32	15,945	4781	3595
11	M3.19	10.19401	0.36	0.95	0.89	10,278	1184	890
SB1	M3.20	2.215048	0.37	1.00	0.19	1,587	129	97
6D	G3.2	24.13539	0.18	0.50	3.12	40,253	11915	8959
16A	G3.4	2.284511	0.02	0.10	0.39	3,911	2421	1820
ST1	G3.5	4.855531	0.07	0.39	0.76	8,611	2961	2226
5E	G3.7	10.46301	0.18	0.50	1.35	16,359	5165	3883
ST2	G3.9	7.024698	0.07	0.41	1.11	13,123	4080	3068
5F	G3.8	5.327838	0.18	0.50	0.69	7,694	2630	1977
SB1	G3.10	4.894473	0.33	1.00	0.45	4,758	284	214

*F is the adjusted loss rate from the County Hydrology Manual

**Ap is the Pervious Area (decimal) Percentage for the given subarea

RANCHO SAN GORGONIO
SPECIFIC PLAN

WESTWARD AVE
22ND STREET
8TH STREET
SAN GORGONIO AVE.
SUNSET AVE
WESLEY AVE
PORTER AVE.
BOBCAT RD.
TURTLE DOVE LN
A STREET
B STREET
C STREET
D STREET
RANCHO SAN GORGONIO PARKWAY

PA 16-B
PA 9
9 29653
PA 8-A
8A 63411
PA 8-D
8D 34681
PA 8-B
8B 41164
PA 8-C
8C 34681
PA 5-A
5A 15894
5B 14380
PA 5-B
PA 10
10 53290
PA 7-A
PA 7-B
7B 78598
PA13
13 4022
PA 16-C
7A-E 143146
7A-W 91448
PA 6-A
PA 5-C
PA 6-B
6A 40583
5C 32781
6B 47394
12 21702
PA 4-D
4D 32091
PA 3-C
3C 27697
PA 6-D
6D 57535
PA 14-D
PA 16-A
15A 10161
PA 14-A
PA 14-B
PA 14-C
PA 5-E
PA 5-F
5F 16219
5E 28022
PA 15-A
PA 4-A
PA 4-B
PA 3-B
3B 56186
PA11
11 19932
4A 53173
PA 3-A
4B 56254
PA 6-C
6C 31924
PA 2-A
3A 47551
PA 2-C
PA 5-D
PA 3-D
2A 36890
2C 37731
PA 4-C
5D 52255
PA 17
1-N 57954
PA 15-B
4C 45274
PA 1
1-S 53840
PA 2-B
2B 39376

LEGEND
STREET MEDIAN BIOSWALE
PASEO/CREEK SETBACK BIORETENTION
INFILTRATION BASIN (PART OF 100-YEAR MITIGATION BASIN)
RAINWATER HARVESTING
COMMON AREA PARKING LOT PERVIOUS PAVEMENT

0' 800' 1600'

Appendix G: Conceptual Detention Basin Sizing Calculations

100-year 3-hour Flood Volume
Subbasin P3.3

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
8C	11.5	0.09	20%	0.053	3.2	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.09	0.23	2.69
0:10	1.3	0.328	0.09	0.23	2.69
0:15	1.1	0.277	0.09	0.18	2.11
0:20	1.5	0.378	0.09	0.28	3.27
0:25	1.5	0.378	0.09	0.28	3.27
0:30	1.8	0.454	0.09	0.36	4.14
0:35	1.5	0.378	0.09	0.28	3.27
0:40	1.8	0.454	0.09	0.36	4.14
0:45	1.8	0.454	0.09	0.36	4.14
0:50	1.5	0.378	0.09	0.28	3.27
0:55	1.0	0.252	0.09	0.16	1.82
1:00	1.8	0.454	0.09	0.36	4.14
1:05	2.2	0.554	0.09	0.46	5.30
1:10	2.2	0.554	0.09	0.46	5.30
1:15	2.2	0.554	0.09	0.46	5.30
1:20	2.0	0.504	0.09	0.41	4.72
1:25	2.6	0.655	0.09	0.56	6.46
1:30	2.7	0.680	0.09	0.59	6.75
1:35	2.4	0.605	0.09	0.51	5.88
1:40	2.7	0.680	0.09	0.59	6.75
1:45	3.3	0.832	0.09	0.74	8.49
1:50	3.1	0.781	0.09	0.69	7.91
1:55	2.9	0.731	0.09	0.64	7.33
2:00	3.0	0.756	0.09	0.66	7.62
2:05	3.1	0.781	0.09	0.69	7.91
2:10	4.2	1.058	0.09	0.96	11.10
2:15	5.0	1.260	0.09	1.17	13.42
2:20	3.5	0.882	0.09	0.79	9.07
2:25	6.8	1.714	0.09	1.62	18.64
2:30	7.3	1.840	0.09	1.75	20.09
2:35	8.2	2.066	0.09	1.97	22.70
2:40	5.9	1.487	0.09	1.39	16.03
2:45	2.0	0.504	0.09	0.41	4.72
2:50	1.8	0.454	0.09	0.36	4.14
2:55	1.8	0.454	0.09	0.36	4.14
3:00	0.6	0.151	0.09	0.06	0.66

Σ Effective Rain
21.68 in/hr

Effective Rain
1.81 in

Flood Volume
1.732 ac-ft

Peak Estimated Flow
22.70 cfs

100-year 3-hour Flood Volume
Subbasin P3.3-2

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
5B	4.6	0.35	100%	0.048	2.9	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.35	0.00	0.00
0:10	1.3	0.328	0.35	0.00	0.00
0:15	1.1	0.277	0.35	0.00	0.00
0:20	1.5	0.378	0.35	0.03	0.15
0:25	1.5	0.378	0.35	0.03	0.15
0:30	1.8	0.454	0.35	0.11	0.49
0:35	1.5	0.378	0.35	0.03	0.15
0:40	1.8	0.454	0.35	0.11	0.49
0:45	1.8	0.454	0.35	0.11	0.49
0:50	1.5	0.378	0.35	0.03	0.15
0:55	1.0	0.252	0.35	0.00	0.00
1:00	1.8	0.454	0.35	0.11	0.49
1:05	2.2	0.554	0.35	0.21	0.95
1:10	2.2	0.554	0.35	0.21	0.95
1:15	2.2	0.554	0.35	0.21	0.95
1:20	2.0	0.504	0.35	0.16	0.72
1:25	2.6	0.655	0.35	0.31	1.41
1:30	2.7	0.680	0.35	0.34	1.53
1:35	2.4	0.605	0.35	0.26	1.18
1:40	2.7	0.680	0.35	0.34	1.53
1:45	3.3	0.832	0.35	0.49	2.22
1:50	3.1	0.781	0.35	0.44	1.99
1:55	2.9	0.731	0.35	0.39	1.76
2:00	3.0	0.756	0.35	0.41	1.87
2:05	3.1	0.781	0.35	0.44	1.99
2:10	4.2	1.058	0.35	0.71	3.25
2:15	5.0	1.260	0.35	0.91	4.17
2:20	3.5	0.882	0.35	0.54	2.45
2:25	6.8	1.714	0.35	1.37	6.24
2:30	7.3	1.840	0.35	1.49	6.82
2:35	8.2	2.066	0.35	1.72	7.85
2:40	5.9	1.487	0.35	1.14	5.21
2:45	2.0	0.504	0.35	0.16	0.72
2:50	1.8	0.454	0.35	0.11	0.49
2:55	1.8	0.454	0.35	0.11	0.49
3:00	0.6	0.151	0.35	0.00	0.00

Σ Effective Rain
13.01 in/hr

Effective Rain
1.08 in

Flood Volume
0.412 ac-ft

Peak Estimated Flow
7.85 cfs

100-year 3-hour Flood Volume
Subbasin P3.2

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
8B	13.9	0.09	20%	0.061	3.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.09	0.24	3.33
0:10	1.3	0.328	0.09	0.24	3.33
0:15	1.1	0.277	0.09	0.19	2.63
0:20	1.5	0.378	0.09	0.29	4.03
0:25	1.5	0.378	0.09	0.29	4.03
0:30	1.8	0.454	0.09	0.37	5.09
0:35	1.5	0.378	0.09	0.29	4.03
0:40	1.8	0.454	0.09	0.37	5.09
0:45	1.8	0.454	0.09	0.37	5.09
0:50	1.5	0.378	0.09	0.29	4.03
0:55	1.0	0.252	0.09	0.16	2.28
1:00	1.8	0.454	0.09	0.37	5.09
1:05	2.2	0.554	0.09	0.47	6.49
1:10	2.2	0.554	0.09	0.47	6.49
1:15	2.2	0.554	0.09	0.47	6.49
1:20	2.0	0.504	0.09	0.42	5.79
1:25	2.6	0.655	0.09	0.57	7.90
1:30	2.7	0.680	0.09	0.59	8.25
1:35	2.4	0.605	0.09	0.52	7.20
1:40	2.7	0.680	0.09	0.59	8.25
1:45	3.3	0.832	0.09	0.74	10.36
1:50	3.1	0.781	0.09	0.69	9.65
1:55	2.9	0.731	0.09	0.64	8.95
2:00	3.0	0.756	0.09	0.67	9.30
2:05	3.1	0.781	0.09	0.69	9.65
2:10	4.2	1.058	0.09	0.97	13.52
2:15	5.0	1.260	0.09	1.17	16.33
2:20	3.5	0.882	0.09	0.79	11.06
2:25	6.8	1.714	0.09	1.63	22.65
2:30	7.3	1.840	0.09	1.75	24.40
2:35	8.2	2.066	0.09	1.98	27.57
2:40	5.9	1.487	0.09	1.40	19.49
2:45	2.0	0.504	0.09	0.42	5.79
2:50	1.8	0.454	0.09	0.37	5.09
2:55	1.8	0.454	0.09	0.37	5.09
3:00	0.6	0.151	0.09	0.06	0.87

Σ Effective Rain
21.86 in/hr

Effective Rain
1.82 in

Flood Volume
2.116 ac-ft

Peak Estimated Flow
27.57 cfs

100-year 3-hour Flood Volume
Subbasin P3.2-2

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
5A	5.2	0.34	100%	0.068	4.1	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.34	0.00	0.00
0:10	1.3	0.328	0.34	0.00	0.00
0:15	1.1	0.277	0.34	0.00	0.00
0:20	1.5	0.378	0.34	0.03	0.17
0:25	1.5	0.378	0.34	0.03	0.17
0:30	1.8	0.454	0.34	0.11	0.56
0:35	1.5	0.378	0.34	0.03	0.17
0:40	1.8	0.454	0.34	0.11	0.56
0:45	1.8	0.454	0.34	0.11	0.56
0:50	1.5	0.378	0.34	0.03	0.17
0:55	1.0	0.252	0.34	0.00	0.00
1:00	1.8	0.454	0.34	0.11	0.56
1:05	2.2	0.554	0.34	0.21	1.09
1:10	2.2	0.554	0.34	0.21	1.09
1:15	2.2	0.554	0.34	0.21	1.09
1:20	2.0	0.504	0.34	0.16	0.83
1:25	2.6	0.655	0.34	0.31	1.61
1:30	2.7	0.680	0.34	0.34	1.74
1:35	2.4	0.605	0.34	0.26	1.35
1:40	2.7	0.680	0.34	0.34	1.74
1:45	3.3	0.832	0.34	0.49	2.53
1:50	3.1	0.781	0.34	0.44	2.26
1:55	2.9	0.731	0.34	0.39	2.00
2:00	3.0	0.756	0.34	0.41	2.13
2:05	3.1	0.781	0.34	0.44	2.26
2:10	4.2	1.058	0.34	0.71	3.70
2:15	5.0	1.260	0.34	0.92	4.75
2:20	3.5	0.882	0.34	0.54	2.79
2:25	6.8	1.714	0.34	1.37	7.10
2:30	7.3	1.840	0.34	1.49	7.76
2:35	8.2	2.066	0.34	1.72	8.93
2:40	5.9	1.487	0.34	1.14	5.93
2:45	2.0	0.504	0.34	0.16	0.83
2:50	1.8	0.454	0.34	0.11	0.56
2:55	1.8	0.454	0.34	0.11	0.56
3:00	0.6	0.151	0.34	0.00	0.00

Σ Effective Rain
13.03 in/hr

Effective Rain
1.09 in

Flood Volume
0.469 ac-ft

Peak Estimated Flow
8.93 cfs

100-year 3-hour Flood Volume
Subbasin P3.4

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST1	5.1	0.07	39%	0.082	4.9	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.07	0.26	1.34
0:10	1.3	0.328	0.07	0.26	1.34
0:15	1.1	0.277	0.07	0.21	1.08
0:20	1.5	0.378	0.07	0.31	1.60
0:25	1.5	0.378	0.07	0.31	1.60
0:30	1.8	0.454	0.07	0.39	1.98
0:35	1.5	0.378	0.07	0.31	1.60
0:40	1.8	0.454	0.07	0.39	1.98
0:45	1.8	0.454	0.07	0.39	1.98
0:50	1.5	0.378	0.07	0.31	1.60
0:55	1.0	0.252	0.07	0.19	0.95
1:00	1.8	0.454	0.07	0.39	1.98
1:05	2.2	0.554	0.07	0.49	2.50
1:10	2.2	0.554	0.07	0.49	2.50
1:15	2.2	0.554	0.07	0.49	2.50
1:20	2.0	0.504	0.07	0.44	2.24
1:25	2.6	0.655	0.07	0.59	3.01
1:30	2.7	0.680	0.07	0.61	3.14
1:35	2.4	0.605	0.07	0.54	2.76
1:40	2.7	0.680	0.07	0.61	3.14
1:45	3.3	0.832	0.07	0.77	3.92
1:50	3.1	0.781	0.07	0.71	3.66
1:55	2.9	0.731	0.07	0.66	3.40
2:00	3.0	0.756	0.07	0.69	3.53
2:05	3.1	0.781	0.07	0.71	3.66
2:10	4.2	1.058	0.07	0.99	5.08
2:15	5.0	1.260	0.07	1.19	6.11
2:20	3.5	0.882	0.07	0.82	4.17
2:25	6.8	1.714	0.07	1.65	8.43
2:30	7.3	1.840	0.07	1.77	9.07
2:35	8.2	2.066	0.07	2.00	10.24
2:40	5.9	1.487	0.07	1.42	7.27
2:45	2.0	0.504	0.07	0.44	2.24
2:50	1.8	0.454	0.07	0.39	1.98
2:55	1.8	0.454	0.07	0.39	1.98
3:00	0.6	0.151	0.07	0.08	0.43

Σ Effective Rain
22.66 in/hr

Effective Rain
1.89 in

Flood Volume
0.805 ac-ft

Peak Estimated Flow
10.24 cfs

100-year 3-hour Flood Volume
Subbasin P3

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	9.1	0.37	100%	0.093	5.6	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.37	0.00	0.00
0:20	2.6	0.328	0.37	0.00	0.00
0:30	3.3	0.416	0.37	0.04	0.41
0:40	3.3	0.416	0.37	0.04	0.41
0:50	3.3	0.416	0.37	0.04	0.41
1:00	3.4	0.428	0.37	0.06	0.52
1:10	4.4	0.554	0.37	0.18	1.67
1:20	4.2	0.529	0.37	0.16	1.44
1:30	5.3	0.668	0.37	0.30	2.70
1:40	5.1	0.643	0.37	0.27	2.47
1:50	6.4	0.806	0.37	0.44	3.97
2:00	5.9	0.743	0.37	0.37	3.39
2:10	7.3	0.920	0.37	0.55	5.00
2:20	8.5	1.071	0.37	0.70	6.38
2:30	14.1	1.777	0.37	1.41	12.80
2:40	14.1	1.777	0.37	1.41	12.80
2:50	3.8	0.479	0.37	0.11	0.98
3:00	2.4	0.302	0.37	0.00	0.00

Σ Effective Rain
6.08 in/hr

Effective Rain
1.01 in

Flood Volume
0.769 ac-ft

Peak Estimated Flow
12.80 cfs

100-year 3-hour Flood Volume
Subbasin P3.12A

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
8D	8.7	0.10	20%	0.033	2.0	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.10	0.23	2.00
0:10	1.3	0.328	0.10	0.23	2.00
0:15	1.1	0.277	0.10	0.18	1.57
0:20	1.5	0.378	0.10	0.28	2.44
0:25	1.5	0.378	0.10	0.28	2.44
0:30	1.8	0.454	0.10	0.36	3.10
0:35	1.5	0.378	0.10	0.28	2.44
0:40	1.8	0.454	0.10	0.36	3.10
0:45	1.8	0.454	0.10	0.36	3.10
0:50	1.5	0.378	0.10	0.28	2.44
0:55	1.0	0.252	0.10	0.16	1.35
1:00	1.8	0.454	0.10	0.36	3.10
1:05	2.2	0.554	0.10	0.46	3.97
1:10	2.2	0.554	0.10	0.46	3.97
1:15	2.2	0.554	0.10	0.46	3.97
1:20	2.0	0.504	0.10	0.41	3.53
1:25	2.6	0.655	0.10	0.56	4.85
1:30	2.7	0.680	0.10	0.58	5.07
1:35	2.4	0.605	0.10	0.51	4.41
1:40	2.7	0.680	0.10	0.58	5.07
1:45	3.3	0.832	0.10	0.73	6.38
1:50	3.1	0.781	0.10	0.68	5.94
1:55	2.9	0.731	0.10	0.63	5.50
2:00	3.0	0.756	0.10	0.66	5.72
2:05	3.1	0.781	0.10	0.68	5.94
2:10	4.2	1.058	0.10	0.96	8.35
2:15	5.0	1.260	0.10	1.16	10.09
2:20	3.5	0.882	0.10	0.79	6.81
2:25	6.8	1.714	0.10	1.62	14.03
2:30	7.3	1.840	0.10	1.74	15.12
2:35	8.2	2.066	0.10	1.97	17.09
2:40	5.9	1.487	0.10	1.39	12.06
2:45	2.0	0.504	0.10	0.41	3.53
2:50	1.8	0.454	0.10	0.36	3.10
2:55	1.8	0.454	0.10	0.36	3.10
3:00	0.6	0.151	0.10	0.05	0.47

Σ Effective Rain
21.57 in/hr

Effective Rain
1.80 in

Flood Volume
1.300 ac-ft

Peak Estimated Flow
17.09 cfs

100-year 3-hour Flood Volume
Subbasin P3.7

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST2	6.0	0.07	41%	0.083	5.0	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.07	0.26	1.54
0:10	1.3	0.328	0.07	0.26	1.54
0:15	1.1	0.277	0.07	0.21	1.24
0:20	1.5	0.378	0.07	0.31	1.84
0:25	1.5	0.378	0.07	0.31	1.84
0:30	1.8	0.454	0.07	0.38	2.29
0:35	1.5	0.378	0.07	0.31	1.84
0:40	1.8	0.454	0.07	0.38	2.29
0:45	1.8	0.454	0.07	0.38	2.29
0:50	1.5	0.378	0.07	0.31	1.84
0:55	1.0	0.252	0.07	0.18	1.09
1:00	1.8	0.454	0.07	0.38	2.29
1:05	2.2	0.554	0.07	0.48	2.89
1:10	2.2	0.554	0.07	0.48	2.89
1:15	2.2	0.554	0.07	0.48	2.89
1:20	2.0	0.504	0.07	0.43	2.59
1:25	2.6	0.655	0.07	0.59	3.49
1:30	2.7	0.680	0.07	0.61	3.64
1:35	2.4	0.605	0.07	0.54	3.19
1:40	2.7	0.680	0.07	0.61	3.64
1:45	3.3	0.832	0.07	0.76	4.54
1:50	3.1	0.781	0.07	0.71	4.24
1:55	2.9	0.731	0.07	0.66	3.94
2:00	3.0	0.756	0.07	0.69	4.09
2:05	3.1	0.781	0.07	0.71	4.24
2:10	4.2	1.058	0.07	0.99	5.89
2:15	5.0	1.260	0.07	1.19	7.09
2:20	3.5	0.882	0.07	0.81	4.84
2:25	6.8	1.714	0.07	1.64	9.79
2:30	7.3	1.840	0.07	1.77	10.54
2:35	8.2	2.066	0.07	2.00	11.89
2:40	5.9	1.487	0.07	1.42	8.44
2:45	2.0	0.504	0.07	0.43	2.59
2:50	1.8	0.454	0.07	0.38	2.29
2:55	1.8	0.454	0.07	0.38	2.29
3:00	0.6	0.151	0.07	0.08	0.49

Σ Effective Rain
22.54 in/hr

Effective Rain
1.88 in

Flood Volume
0.932 ac-ft

Peak Estimated Flow
11.89 cfs

100-year 3-hour Flood Volume
Subbasin P3.9

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
8A	18.5	0.09	20%	0.048	2.9	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.09	0.23	4.33
0:10	1.3	0.328	0.09	0.23	4.33
0:15	1.1	0.277	0.09	0.18	3.40
0:20	1.5	0.378	0.09	0.28	5.27
0:25	1.5	0.378	0.09	0.28	5.27
0:30	1.8	0.454	0.09	0.36	6.67
0:35	1.5	0.378	0.09	0.28	5.27
0:40	1.8	0.454	0.09	0.36	6.67
0:45	1.8	0.454	0.09	0.36	6.67
0:50	1.5	0.378	0.09	0.28	5.27
0:55	1.0	0.252	0.09	0.16	2.93
1:00	1.8	0.454	0.09	0.36	6.67
1:05	2.2	0.554	0.09	0.46	8.53
1:10	2.2	0.554	0.09	0.46	8.53
1:15	2.2	0.554	0.09	0.46	8.53
1:20	2.0	0.504	0.09	0.41	7.60
1:25	2.6	0.655	0.09	0.56	10.40
1:30	2.7	0.680	0.09	0.59	10.86
1:35	2.4	0.605	0.09	0.51	9.46
1:40	2.7	0.680	0.09	0.59	10.86
1:45	3.3	0.832	0.09	0.74	13.66
1:50	3.1	0.781	0.09	0.69	12.73
1:55	2.9	0.731	0.09	0.64	11.80
2:00	3.0	0.756	0.09	0.66	12.26
2:05	3.1	0.781	0.09	0.69	12.73
2:10	4.2	1.058	0.09	0.96	17.86
2:15	5.0	1.260	0.09	1.17	21.59
2:20	3.5	0.882	0.09	0.79	14.60
2:25	6.8	1.714	0.09	1.62	29.99
2:30	7.3	1.840	0.09	1.75	32.32
2:35	8.2	2.066	0.09	1.97	36.52
2:40	5.9	1.487	0.09	1.39	25.79
2:45	2.0	0.504	0.09	0.41	7.60
2:50	1.8	0.454	0.09	0.36	6.67
2:55	1.8	0.454	0.09	0.36	6.67
3:00	0.6	0.151	0.09	0.06	1.07

Σ Effective Rain
21.68 in/hr

Effective Rain
1.81 in

Flood Volume
2.787 ac-ft

Peak Estimated Flow
36.52 cfs

100-year 3-hour Flood Volume
Subbasin P3.8

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
9	9.3	0.06	10%	0.045	2.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.06	0.26	2.46
0:10	1.3	0.328	0.06	0.26	2.46
0:15	1.1	0.277	0.06	0.21	1.99
0:20	1.5	0.378	0.06	0.31	2.93
0:25	1.5	0.378	0.06	0.31	2.93
0:30	1.8	0.454	0.06	0.39	3.64
0:35	1.5	0.378	0.06	0.31	2.93
0:40	1.8	0.454	0.06	0.39	3.64
0:45	1.8	0.454	0.06	0.39	3.64
0:50	1.5	0.378	0.06	0.31	2.93
0:55	1.0	0.252	0.06	0.19	1.76
1:00	1.8	0.454	0.06	0.39	3.64
1:05	2.2	0.554	0.06	0.49	4.58
1:10	2.2	0.554	0.06	0.49	4.58
1:15	2.2	0.554	0.06	0.49	4.58
1:20	2.0	0.504	0.06	0.44	4.11
1:25	2.6	0.655	0.06	0.59	5.52
1:30	2.7	0.680	0.06	0.62	5.75
1:35	2.4	0.605	0.06	0.54	5.05
1:40	2.7	0.680	0.06	0.62	5.75
1:45	3.3	0.832	0.06	0.77	7.17
1:50	3.1	0.781	0.06	0.72	6.70
1:55	2.9	0.731	0.06	0.67	6.22
2:00	3.0	0.756	0.06	0.69	6.46
2:05	3.1	0.781	0.06	0.72	6.70
2:10	4.2	1.058	0.06	0.99	9.28
2:15	5.0	1.260	0.06	1.20	11.16
2:20	3.5	0.882	0.06	0.82	7.64
2:25	6.8	1.714	0.06	1.65	15.39
2:30	7.3	1.840	0.06	1.78	16.57
2:35	8.2	2.066	0.06	2.00	18.68
2:40	5.9	1.487	0.06	1.42	13.28
2:45	2.0	0.504	0.06	0.44	4.11
2:50	1.8	0.454	0.06	0.39	3.64
2:55	1.8	0.454	0.06	0.39	3.64
3:00	0.6	0.151	0.06	0.09	0.82

Σ Effective Rain
22.76 in/hr

Effective Rain
1.90 in

Flood Volume
1.475 ac-ft

Peak Estimated Flow
18.68 cfs

100-year 3-hour Flood Volume
Subbasin P3.10

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST3	3.7	0.09	54%	0.114	6.8	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.09	0.24	0.88
0:20	2.6	0.328	0.09	0.24	0.88
0:30	3.3	0.416	0.09	0.33	1.20
0:40	3.3	0.416	0.09	0.33	1.20
0:50	3.3	0.416	0.09	0.33	1.20
1:00	3.4	0.428	0.09	0.34	1.25
1:10	4.4	0.554	0.09	0.47	1.71
1:20	4.2	0.529	0.09	0.44	1.62
1:30	5.3	0.668	0.09	0.58	2.12
1:40	5.1	0.643	0.09	0.56	2.03
1:50	6.4	0.806	0.09	0.72	2.63
2:00	5.9	0.743	0.09	0.66	2.40
2:10	7.3	0.920	0.09	0.83	3.04
2:20	8.5	1.071	0.09	0.98	3.60
2:30	14.1	1.777	0.09	1.69	6.18
2:40	14.1	1.777	0.09	1.69	6.18
2:50	3.8	0.479	0.09	0.39	1.43
3:00	2.4	0.302	0.09	0.22	0.79

Σ Effective Rain
11.03 in/hr

Effective Rain
1.84 in

Flood Volume
0.560 ac-ft

Peak Estimated Flow
6.18 cfs

100-year 3-hour Flood Volume
Subbasin P3.11

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST4	3.6	0.08	51%	0.067	4.0	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.08	0.24	0.88
0:10	1.3	0.328	0.08	0.24	0.88
0:15	1.1	0.277	0.08	0.19	0.70
0:20	1.5	0.378	0.08	0.29	1.06
0:25	1.5	0.378	0.08	0.29	1.06
0:30	1.8	0.454	0.08	0.37	1.33
0:35	1.5	0.378	0.08	0.29	1.06
0:40	1.8	0.454	0.08	0.37	1.33
0:45	1.8	0.454	0.08	0.37	1.33
0:50	1.5	0.378	0.08	0.29	1.06
0:55	1.0	0.252	0.08	0.17	0.61
1:00	1.8	0.454	0.08	0.37	1.33
1:05	2.2	0.554	0.08	0.47	1.70
1:10	2.2	0.554	0.08	0.47	1.70
1:15	2.2	0.554	0.08	0.47	1.70
1:20	2.0	0.504	0.08	0.42	1.51
1:25	2.6	0.655	0.08	0.57	2.06
1:30	2.7	0.680	0.08	0.60	2.15
1:35	2.4	0.605	0.08	0.52	1.88
1:40	2.7	0.680	0.08	0.60	2.15
1:45	3.3	0.832	0.08	0.75	2.69
1:50	3.1	0.781	0.08	0.70	2.51
1:55	2.9	0.731	0.08	0.65	2.33
2:00	3.0	0.756	0.08	0.67	2.42
2:05	3.1	0.781	0.08	0.70	2.51
2:10	4.2	1.058	0.08	0.98	3.51
2:15	5.0	1.260	0.08	1.18	4.23
2:20	3.5	0.882	0.08	0.80	2.87
2:25	6.8	1.714	0.08	1.63	5.87
2:30	7.3	1.840	0.08	1.76	6.32
2:35	8.2	2.066	0.08	1.98	7.13
2:40	5.9	1.487	0.08	1.40	5.05
2:45	2.0	0.504	0.08	0.42	1.51
2:50	1.8	0.454	0.08	0.37	1.33
2:55	1.8	0.454	0.08	0.37	1.33
3:00	0.6	0.151	0.08	0.07	0.25

Σ Effective Rain
22.06 in/hr

Effective Rain
1.84 in

Flood Volume
0.551 ac-ft

Peak Estimated Flow
7.13 cfs

100-year 3-hour Flood Volume
Subbasin P3.13

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	6.3	0.28	100%	0.097	5.8	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.28	0.05	0.31
0:20	2.6	0.328	0.28	0.05	0.31
0:30	3.3	0.416	0.28	0.14	0.87
0:40	3.3	0.416	0.28	0.14	0.87
0:50	3.3	0.416	0.28	0.14	0.87
1:00	3.4	0.428	0.28	0.15	0.94
1:10	4.4	0.554	0.28	0.28	1.73
1:20	4.2	0.529	0.28	0.25	1.57
1:30	5.3	0.668	0.28	0.39	2.44
1:40	5.1	0.643	0.28	0.37	2.28
1:50	6.4	0.806	0.28	0.53	3.31
2:00	5.9	0.743	0.28	0.47	2.91
2:10	7.3	0.920	0.28	0.64	4.02
2:20	8.5	1.071	0.28	0.79	4.96
2:30	14.1	1.777	0.28	1.50	9.37
2:40	14.1	1.777	0.28	1.50	9.37
2:50	3.8	0.479	0.28	0.20	1.26
3:00	2.4	0.302	0.28	0.03	0.16

Σ Effective Rain
7.61 in/hr

Effective Rain
1.27 in

Flood Volume
0.660 ac-ft

Peak Estimated Flow
9.37 cfs

100-year 3-hour Flood Volume
Subbasin P3.12

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
10	26.0	0.31	85%	0.057	3.4	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.31	0.02	0.51
0:10	1.3	0.328	0.31	0.02	0.51
0:15	1.1	0.277	0.31	0.00	0.00
0:20	1.5	0.378	0.31	0.07	1.82
0:25	1.5	0.378	0.31	0.07	1.82
0:30	1.8	0.454	0.31	0.15	3.79
0:35	1.5	0.378	0.31	0.07	1.82
0:40	1.8	0.454	0.31	0.15	3.79
0:45	1.8	0.454	0.31	0.15	3.79
0:50	1.5	0.378	0.31	0.07	1.82
0:55	1.0	0.252	0.31	0.00	0.00
1:00	1.8	0.454	0.31	0.15	3.79
1:05	2.2	0.554	0.31	0.25	6.41
1:10	2.2	0.554	0.31	0.25	6.41
1:15	2.2	0.554	0.31	0.25	6.41
1:20	2.0	0.504	0.31	0.20	5.10
1:25	2.6	0.655	0.31	0.35	9.02
1:30	2.7	0.680	0.31	0.37	9.68
1:35	2.4	0.605	0.31	0.30	7.71
1:40	2.7	0.680	0.31	0.37	9.68
1:45	3.3	0.832	0.31	0.52	13.61
1:50	3.1	0.781	0.31	0.47	12.30
1:55	2.9	0.731	0.31	0.42	10.99
2:00	3.0	0.756	0.31	0.45	11.64
2:05	3.1	0.781	0.31	0.47	12.30
2:10	4.2	1.058	0.31	0.75	19.50
2:15	5.0	1.260	0.31	0.95	24.73
2:20	3.5	0.882	0.31	0.57	14.92
2:25	6.8	1.714	0.31	1.41	36.52
2:30	7.3	1.840	0.31	1.53	39.79
2:35	8.2	2.066	0.31	1.76	45.68
2:40	5.9	1.487	0.31	1.18	30.63
2:45	2.0	0.504	0.31	0.20	5.10
2:50	1.8	0.454	0.31	0.15	3.79
2:55	1.8	0.454	0.31	0.15	3.79
3:00	0.6	0.151	0.31	0.00	0.00

Σ Effective Rain
14.21 in/hr

Effective Rain
1.18 in

Flood Volume
2.563 ac-ft

Peak Estimated Flow
45.68 cfs

100-year 3-hour Flood Volume
Subbasin P3.16

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
1	26.7	0.23	65%	0.236	14.2	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.23	0.10	2.64
0:20	2.6	0.328	0.23	0.10	2.64
0:30	3.3	0.416	0.23	0.19	4.99
0:40	3.3	0.416	0.23	0.19	4.99
0:50	3.3	0.416	0.23	0.19	4.99
1:00	3.4	0.428	0.23	0.20	5.33
1:10	4.4	0.554	0.23	0.33	8.70
1:20	4.2	0.529	0.23	0.30	8.02
1:30	5.3	0.668	0.23	0.44	11.73
1:40	5.1	0.643	0.23	0.41	11.06
1:50	6.4	0.806	0.23	0.58	15.43
2:00	5.9	0.743	0.23	0.51	13.75
2:10	7.3	0.920	0.23	0.69	18.46
2:20	8.5	1.071	0.23	0.84	22.51
2:30	14.1	1.777	0.23	1.55	41.36
2:40	14.1	1.777	0.23	1.55	41.36
2:50	3.8	0.479	0.23	0.25	6.68
3:00	2.4	0.302	0.23	0.07	1.96

Σ Effective Rain
8.48 in/hr

Effective Rain
1.41 in

Flood Volume
3.147 ac-ft

Peak Estimated Flow
41.36 cfs

100-year 3-hour Flood Volume
Subbasin P3.17

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
2A	15.8	0.23	65%	0.072	4.3	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.23	0.10	1.56
0:10	1.3	0.328	0.23	0.10	1.56
0:15	1.1	0.277	0.23	0.05	0.76
0:20	1.5	0.378	0.23	0.15	2.36
0:25	1.5	0.378	0.23	0.15	2.36
0:30	1.8	0.454	0.23	0.22	3.56
0:35	1.5	0.378	0.23	0.15	2.36
0:40	1.8	0.454	0.23	0.22	3.56
0:45	1.8	0.454	0.23	0.22	3.56
0:50	1.5	0.378	0.23	0.15	2.36
0:55	1.0	0.252	0.23	0.02	0.37
1:00	1.8	0.454	0.23	0.22	3.56
1:05	2.2	0.554	0.23	0.33	5.15
1:10	2.2	0.554	0.23	0.33	5.15
1:15	2.2	0.554	0.23	0.33	5.15
1:20	2.0	0.504	0.23	0.28	4.36
1:25	2.6	0.655	0.23	0.43	6.75
1:30	2.7	0.680	0.23	0.45	7.15
1:35	2.4	0.605	0.23	0.38	5.95
1:40	2.7	0.680	0.23	0.45	7.15
1:45	3.3	0.832	0.23	0.60	9.55
1:50	3.1	0.781	0.23	0.55	8.75
1:55	2.9	0.731	0.23	0.50	7.95
2:00	3.0	0.756	0.23	0.53	8.35
2:05	3.1	0.781	0.23	0.55	8.75
2:10	4.2	1.058	0.23	0.83	13.14
2:15	5.0	1.260	0.23	1.03	16.33
2:20	3.5	0.882	0.23	0.65	10.34
2:25	6.8	1.714	0.23	1.48	23.52
2:30	7.3	1.840	0.23	1.61	25.51
2:35	8.2	2.066	0.23	1.84	29.10
2:40	5.9	1.487	0.23	1.26	19.92
2:45	2.0	0.504	0.23	0.28	4.36
2:50	1.8	0.454	0.23	0.22	3.56
2:55	1.8	0.454	0.23	0.22	3.56
3:00	0.6	0.151	0.23	0.00	0.00

Σ Effective Rain
16.88 in/hr

Effective Rain
1.41 in

Flood Volume
1.857 ac-ft

Peak Estimated Flow
29.10 cfs

100-year 3-hour Flood Volume
Subbasin P3.18

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	5.4	0.38	100%	0.085	5.1	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.38	0.00	0.00
0:20	2.6	0.328	0.38	0.00	0.00
0:30	3.3	0.416	0.38	0.04	0.20
0:40	3.3	0.416	0.38	0.04	0.20
0:50	3.3	0.416	0.38	0.04	0.20
1:00	3.4	0.428	0.38	0.05	0.27
1:10	4.4	0.554	0.38	0.18	0.95
1:20	4.2	0.529	0.38	0.15	0.81
1:30	5.3	0.668	0.38	0.29	1.56
1:40	5.1	0.643	0.38	0.26	1.43
1:50	6.4	0.806	0.38	0.43	2.31
2:00	5.9	0.743	0.38	0.36	1.97
2:10	7.3	0.920	0.38	0.54	2.93
2:20	8.5	1.071	0.38	0.69	3.74
2:30	14.1	1.777	0.38	1.40	7.56
2:40	14.1	1.777	0.38	1.40	7.56
2:50	3.8	0.479	0.38	0.10	0.54
3:00	2.4	0.302	0.38	0.00	0.00

Σ Effective Rain
5.97 in/hr

Effective Rain
0.99 in

Flood Volume
0.448 ac-ft

Peak Estimated Flow
7.56 cfs

100-year 3-hour Flood Volume
Subbasin P3.20

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST1	2.8	0.06	39%	0.130	7.8	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.06	0.26	0.73
0:20	2.6	0.328	0.06	0.26	0.73
0:30	3.3	0.416	0.06	0.35	0.98
0:40	3.3	0.416	0.06	0.35	0.98
0:50	3.3	0.416	0.06	0.35	0.98
1:00	3.4	0.428	0.06	0.36	1.01
1:10	4.4	0.554	0.06	0.49	1.36
1:20	4.2	0.529	0.06	0.47	1.29
1:30	5.3	0.668	0.06	0.60	1.68
1:40	5.1	0.643	0.06	0.58	1.61
1:50	6.4	0.806	0.06	0.74	2.07
2:00	5.9	0.743	0.06	0.68	1.89
2:10	7.3	0.920	0.06	0.86	2.38
2:20	8.5	1.071	0.06	1.01	2.80
2:30	14.1	1.777	0.06	1.71	4.76
2:40	14.1	1.777	0.06	1.71	4.76
2:50	3.8	0.479	0.06	0.41	1.15
3:00	2.4	0.302	0.06	0.24	0.66

Σ Effective Rain
11.45 in/hr

Effective Rain
1.91 in

Flood Volume
0.442 ac-ft

Peak Estimated Flow
4.76 cfs

100-year 3-hour Flood Volume
Subbasin P3.14

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
6A	7.7	0.18	50%	0.041	2.4	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	1.10
0:10	1.3	0.328	0.18	0.14	1.10
0:15	1.1	0.277	0.18	0.09	0.72
0:20	1.5	0.378	0.18	0.19	1.49
0:25	1.5	0.378	0.18	0.19	1.49
0:30	1.8	0.454	0.18	0.27	2.07
0:35	1.5	0.378	0.18	0.19	1.49
0:40	1.8	0.454	0.18	0.27	2.07
0:45	1.8	0.454	0.18	0.27	2.07
0:50	1.5	0.378	0.18	0.19	1.49
0:55	1.0	0.252	0.18	0.07	0.52
1:00	1.8	0.454	0.18	0.27	2.07
1:05	2.2	0.554	0.18	0.37	2.84
1:10	2.2	0.554	0.18	0.37	2.84
1:15	2.2	0.554	0.18	0.37	2.84
1:20	2.0	0.504	0.18	0.32	2.45
1:25	2.6	0.655	0.18	0.47	3.61
1:30	2.7	0.680	0.18	0.50	3.81
1:35	2.4	0.605	0.18	0.42	3.23
1:40	2.7	0.680	0.18	0.50	3.81
1:45	3.3	0.832	0.18	0.65	4.97
1:50	3.1	0.781	0.18	0.60	4.58
1:55	2.9	0.731	0.18	0.55	4.19
2:00	3.0	0.756	0.18	0.57	4.39
2:05	3.1	0.781	0.18	0.60	4.58
2:10	4.2	1.058	0.18	0.87	6.71
2:15	5.0	1.260	0.18	1.08	8.25
2:20	3.5	0.882	0.18	0.70	5.35
2:25	6.8	1.714	0.18	1.53	11.73
2:30	7.3	1.840	0.18	1.66	12.69
2:35	8.2	2.066	0.18	1.88	14.43
2:40	5.9	1.487	0.18	1.30	9.99
2:45	2.0	0.504	0.18	0.32	2.45
2:50	1.8	0.454	0.18	0.27	2.07
2:55	1.8	0.454	0.18	0.27	2.07
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
0.983 ac-ft

Peak Estimated Flow
14.43 cfs

100-year 3-hour Flood Volume
Subbasin P3.21

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	6.0	0.26	100%	0.079	4.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.26	0.07	0.42
0:10	1.3	0.328	0.26	0.07	0.42
0:15	1.1	0.277	0.26	0.02	0.12
0:20	1.5	0.378	0.26	0.12	0.72
0:25	1.5	0.378	0.26	0.12	0.72
0:30	1.8	0.454	0.26	0.20	1.17
0:35	1.5	0.378	0.26	0.12	0.72
0:40	1.8	0.454	0.26	0.20	1.17
0:45	1.8	0.454	0.26	0.20	1.17
0:50	1.5	0.378	0.26	0.12	0.72
0:55	1.0	0.252	0.26	0.00	0.00
1:00	1.8	0.454	0.26	0.20	1.17
1:05	2.2	0.554	0.26	0.30	1.77
1:10	2.2	0.554	0.26	0.30	1.77
1:15	2.2	0.554	0.26	0.30	1.77
1:20	2.0	0.504	0.26	0.25	1.47
1:25	2.6	0.655	0.26	0.40	2.37
1:30	2.7	0.680	0.26	0.42	2.52
1:35	2.4	0.605	0.26	0.35	2.07
1:40	2.7	0.680	0.26	0.42	2.52
1:45	3.3	0.832	0.26	0.57	3.42
1:50	3.1	0.781	0.26	0.52	3.12
1:55	2.9	0.731	0.26	0.47	2.82
2:00	3.0	0.756	0.26	0.50	2.97
2:05	3.1	0.781	0.26	0.52	3.12
2:10	4.2	1.058	0.26	0.80	4.77
2:15	5.0	1.260	0.26	1.00	5.97
2:20	3.5	0.882	0.26	0.63	3.72
2:25	6.8	1.714	0.26	1.46	8.67
2:30	7.3	1.840	0.26	1.58	9.42
2:35	8.2	2.066	0.26	1.81	10.77
2:40	5.9	1.487	0.26	1.23	7.32
2:45	2.0	0.504	0.26	0.25	1.47
2:50	1.8	0.454	0.26	0.20	1.17
2:55	1.8	0.454	0.26	0.20	1.17
3:00	0.6	0.151	0.26	0.00	0.00

Σ Effective Rain
15.91 in/hr

Effective Rain
1.33 in

Flood Volume
0.657 ac-ft

Peak Estimated Flow
10.77 cfs

100-year 3-hour Flood Volume
Subbasin P3.19

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
4A	22.0	0.18	50%	0.047	2.8	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.15	3.20
0:10	1.3	0.328	0.18	0.15	3.20
0:15	1.1	0.277	0.18	0.10	2.10
0:20	1.5	0.378	0.18	0.20	4.31
0:25	1.5	0.378	0.18	0.20	4.31
0:30	1.8	0.454	0.18	0.27	5.97
0:35	1.5	0.378	0.18	0.20	4.31
0:40	1.8	0.454	0.18	0.27	5.97
0:45	1.8	0.454	0.18	0.27	5.97
0:50	1.5	0.378	0.18	0.20	4.31
0:55	1.0	0.252	0.18	0.07	1.54
1:00	1.8	0.454	0.18	0.27	5.97
1:05	2.2	0.554	0.18	0.37	8.19
1:10	2.2	0.554	0.18	0.37	8.19
1:15	2.2	0.554	0.18	0.37	8.19
1:20	2.0	0.504	0.18	0.32	7.08
1:25	2.6	0.655	0.18	0.47	10.41
1:30	2.7	0.680	0.18	0.50	10.96
1:35	2.4	0.605	0.18	0.42	9.30
1:40	2.7	0.680	0.18	0.50	10.96
1:45	3.3	0.832	0.18	0.65	14.29
1:50	3.1	0.781	0.18	0.60	13.18
1:55	2.9	0.731	0.18	0.55	12.07
2:00	3.0	0.756	0.18	0.57	12.63
2:05	3.1	0.781	0.18	0.60	13.18
2:10	4.2	1.058	0.18	0.88	19.28
2:15	5.0	1.260	0.18	1.08	23.71
2:20	3.5	0.882	0.18	0.70	15.40
2:25	6.8	1.714	0.18	1.53	33.68
2:30	7.3	1.840	0.18	1.66	36.46
2:35	8.2	2.066	0.18	1.88	41.44
2:40	5.9	1.487	0.18	1.30	28.70
2:45	2.0	0.504	0.18	0.32	7.08
2:50	1.8	0.454	0.18	0.27	5.97
2:55	1.8	0.454	0.18	0.27	5.97
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.53 in/hr

Effective Rain
1.54 in

Flood Volume
2.830 ac-ft

Peak Estimated Flow
41.44 cfs

100-year 3-hour Flood Volume
Subbasin P3.23

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
2B	17.2	0.23	65%	0.183	11.0	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.23	0.10	1.69
0:20	2.6	0.328	0.23	0.10	1.69
0:30	3.3	0.416	0.23	0.19	3.21
0:40	3.3	0.416	0.23	0.19	3.21
0:50	3.3	0.416	0.23	0.19	3.21
1:00	3.4	0.428	0.23	0.20	3.42
1:10	4.4	0.554	0.23	0.33	5.59
1:20	4.2	0.529	0.23	0.30	5.15
1:30	5.3	0.668	0.23	0.44	7.53
1:40	5.1	0.643	0.23	0.41	7.10
1:50	6.4	0.806	0.23	0.58	9.91
2:00	5.9	0.743	0.23	0.51	8.83
2:10	7.3	0.920	0.23	0.69	11.86
2:20	8.5	1.071	0.23	0.84	14.45
2:30	14.1	1.777	0.23	1.55	26.57
2:40	14.1	1.777	0.23	1.55	26.57
2:50	3.8	0.479	0.23	0.25	4.29
3:00	2.4	0.302	0.23	0.07	1.26

Σ Effective Rain
8.48 in/hr

Effective Rain
1.41 in

Flood Volume
2.021 ac-ft

Peak Estimated Flow
26.57 cfs

100-year 3-hour Flood Volume
Subbasin P3.26

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
7A	26.9	0.12	30%	0.097	5.8	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.12	0.20	5.48
0:20	2.6	0.328	0.12	0.20	5.48
0:30	3.3	0.416	0.12	0.29	7.85
0:40	3.3	0.416	0.12	0.29	7.85
0:50	3.3	0.416	0.12	0.29	7.85
1:00	3.4	0.428	0.12	0.30	8.19
1:10	4.4	0.554	0.12	0.43	11.58
1:20	4.2	0.529	0.12	0.41	10.90
1:30	5.3	0.668	0.12	0.54	14.62
1:40	5.1	0.643	0.12	0.52	13.95
1:50	6.4	0.806	0.12	0.68	18.35
2:00	5.9	0.743	0.12	0.62	16.66
2:10	7.3	0.920	0.12	0.80	21.40
2:20	8.5	1.071	0.12	0.95	25.46
2:30	14.1	1.777	0.12	1.65	44.43
2:40	14.1	1.777	0.12	1.65	44.43
2:50	3.8	0.479	0.12	0.36	9.54
3:00	2.4	0.302	0.12	0.18	4.80

Σ Effective Rain
10.37 in/hr

Effective Rain
1.73 in

Flood Volume
3.872 ac-ft

Peak Estimated Flow
44.43 cfs

100-year 3-hour Flood Volume
Subbasin P3.24

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	6.0	0.37	100%	0.086	5.1	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.37	0.00	0.00
0:20	2.6	0.328	0.37	0.00	0.00
0:30	3.3	0.416	0.37	0.04	0.25
0:40	3.3	0.416	0.37	0.04	0.25
0:50	3.3	0.416	0.37	0.04	0.25
1:00	3.4	0.428	0.37	0.05	0.33
1:10	4.4	0.554	0.37	0.18	1.09
1:20	4.2	0.529	0.37	0.16	0.94
1:30	5.3	0.668	0.37	0.29	1.77
1:40	5.1	0.643	0.37	0.27	1.62
1:50	6.4	0.806	0.37	0.43	2.61
2:00	5.9	0.743	0.37	0.37	2.23
2:10	7.3	0.920	0.37	0.55	3.29
2:20	8.5	1.071	0.37	0.70	4.20
2:30	14.1	1.777	0.37	1.40	8.44
2:40	14.1	1.777	0.37	1.40	8.44
2:50	3.8	0.479	0.37	0.11	0.63
3:00	2.4	0.302	0.37	0.00	0.00

Σ Effective Rain
6.04 in/hr

Effective Rain
1.01 in

Flood Volume
0.505 ac-ft

Peak Estimated Flow
8.44 cfs

100-year 3-hour Flood Volume
Subbasin P3.28

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
14A	4.5	0.38	100%	0.056	3.4	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.38	0.00	0.00
0:10	1.3	0.328	0.38	0.00	0.00
0:15	1.1	0.277	0.38	0.00	0.00
0:20	1.5	0.378	0.38	0.00	0.00
0:25	1.5	0.378	0.38	0.00	0.00
0:30	1.8	0.454	0.38	0.08	0.34
0:35	1.5	0.378	0.38	0.00	0.00
0:40	1.8	0.454	0.38	0.08	0.34
0:45	1.8	0.454	0.38	0.08	0.34
0:50	1.5	0.378	0.38	0.00	0.00
0:55	1.0	0.252	0.38	0.00	0.00
1:00	1.8	0.454	0.38	0.08	0.34
1:05	2.2	0.554	0.38	0.18	0.80
1:10	2.2	0.554	0.38	0.18	0.80
1:15	2.2	0.554	0.38	0.18	0.80
1:20	2.0	0.504	0.38	0.13	0.57
1:25	2.6	0.655	0.38	0.28	1.26
1:30	2.7	0.680	0.38	0.30	1.37
1:35	2.4	0.605	0.38	0.23	1.03
1:40	2.7	0.680	0.38	0.30	1.37
1:45	3.3	0.832	0.38	0.45	2.06
1:50	3.1	0.781	0.38	0.40	1.83
1:55	2.9	0.731	0.38	0.35	1.60
2:00	3.0	0.756	0.38	0.38	1.72
2:05	3.1	0.781	0.38	0.40	1.83
2:10	4.2	1.058	0.38	0.68	3.09
2:15	5.0	1.260	0.38	0.88	4.01
2:20	3.5	0.882	0.38	0.50	2.29
2:25	6.8	1.714	0.38	1.34	6.07
2:30	7.3	1.840	0.38	1.46	6.64
2:35	8.2	2.066	0.38	1.69	7.67
2:40	5.9	1.487	0.38	1.11	5.04
2:45	2.0	0.504	0.38	0.13	0.57
2:50	1.8	0.454	0.38	0.08	0.34
2:55	1.8	0.454	0.38	0.08	0.34
3:00	0.6	0.151	0.38	0.00	0.00

Σ Effective Rain
11.98 in/hr

Effective Rain
1.00 in

Flood Volume
0.378 ac-ft

Peak Estimated Flow
7.67 cfs

100-year 3-hour Flood Volume
Subbasin P3.27

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST4	7.2	0.08	51%	0.085	5.1	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.08	0.24	1.75
0:20	2.6	0.328	0.08	0.24	1.75
0:30	3.3	0.416	0.08	0.33	2.39
0:40	3.3	0.416	0.08	0.33	2.39
0:50	3.3	0.416	0.08	0.33	2.39
1:00	3.4	0.428	0.08	0.35	2.48
1:10	4.4	0.554	0.08	0.47	3.38
1:20	4.2	0.529	0.08	0.45	3.20
1:30	5.3	0.668	0.08	0.58	4.19
1:40	5.1	0.643	0.08	0.56	4.01
1:50	6.4	0.806	0.08	0.72	5.19
2:00	5.9	0.743	0.08	0.66	4.73
2:10	7.3	0.920	0.08	0.84	6.00
2:20	8.5	1.071	0.08	0.99	7.08
2:30	14.1	1.777	0.08	1.69	12.14
2:40	14.1	1.777	0.08	1.69	12.14
2:50	3.8	0.479	0.08	0.40	2.84
3:00	2.4	0.302	0.08	0.22	1.57

Σ Effective Rain
11.11 in/hr

Effective Rain
1.85 in

Flood Volume
1.106 ac-ft

Peak Estimated Flow
12.14 cfs

100-year 3-hour Flood Volume
Subbasin P3.29

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
3A	20.0	0.20	55%	0.041	2.5	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.20	0.13	2.57
0:10	1.3	0.328	0.20	0.13	2.57
0:15	1.1	0.277	0.20	0.08	1.57
0:20	1.5	0.378	0.20	0.18	3.58
0:25	1.5	0.378	0.20	0.18	3.58
0:30	1.8	0.454	0.20	0.25	5.09
0:35	1.5	0.378	0.20	0.18	3.58
0:40	1.8	0.454	0.20	0.25	5.09
0:45	1.8	0.454	0.20	0.25	5.09
0:50	1.5	0.378	0.20	0.18	3.58
0:55	1.0	0.252	0.20	0.05	1.06
1:00	1.8	0.454	0.20	0.25	5.09
1:05	2.2	0.554	0.20	0.36	7.11
1:10	2.2	0.554	0.20	0.36	7.11
1:15	2.2	0.554	0.20	0.36	7.11
1:20	2.0	0.504	0.20	0.31	6.10
1:25	2.6	0.655	0.20	0.46	9.13
1:30	2.7	0.680	0.20	0.48	9.63
1:35	2.4	0.605	0.20	0.41	8.12
1:40	2.7	0.680	0.20	0.48	9.63
1:45	3.3	0.832	0.20	0.63	12.65
1:50	3.1	0.781	0.20	0.58	11.65
1:55	2.9	0.731	0.20	0.53	10.64
2:00	3.0	0.756	0.20	0.56	11.14
2:05	3.1	0.781	0.20	0.58	11.65
2:10	4.2	1.058	0.20	0.86	17.19
2:15	5.0	1.260	0.20	1.06	21.22
2:20	3.5	0.882	0.20	0.68	13.66
2:25	6.8	1.714	0.20	1.51	30.29
2:30	7.3	1.840	0.20	1.64	32.81
2:35	8.2	2.066	0.20	1.87	37.35
2:40	5.9	1.487	0.20	1.29	25.76
2:45	2.0	0.504	0.20	0.31	6.10
2:50	1.8	0.454	0.20	0.25	5.09
2:55	1.8	0.454	0.20	0.25	5.09
3:00	0.6	0.151	0.20	0.00	0.00

Σ Effective Rain
17.94 in/hr

Effective Rain
1.49 in

Flood Volume
2.491 ac-ft

Peak Estimated Flow
37.35 cfs

100-year 3-hour Flood Volume
Subbasin P3.30

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
2C	16.3	0.23	65%	0.086	5.2	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.23	0.10	1.61
0:20	2.6	0.328	0.23	0.10	1.61
0:30	3.3	0.416	0.23	0.19	3.05
0:40	3.3	0.416	0.23	0.19	3.05
0:50	3.3	0.416	0.23	0.19	3.05
1:00	3.4	0.428	0.23	0.20	3.26
1:10	4.4	0.554	0.23	0.33	5.32
1:20	4.2	0.529	0.23	0.30	4.90
1:30	5.3	0.668	0.23	0.44	7.17
1:40	5.1	0.643	0.23	0.41	6.76
1:50	6.4	0.806	0.23	0.58	9.43
2:00	5.9	0.743	0.23	0.51	8.40
2:10	7.3	0.920	0.23	0.69	11.28
2:20	8.5	1.071	0.23	0.84	13.75
2:30	14.1	1.777	0.23	1.55	25.28
2:40	14.1	1.777	0.23	1.55	25.28
2:50	3.8	0.479	0.23	0.25	4.08
3:00	2.4	0.302	0.23	0.07	1.20

Σ Effective Rain
8.48 in/hr

Effective Rain
1.41 in

Flood Volume
1.923 ac-ft

Peak Estimated Flow
25.28 cfs

100-year 3-hour Flood Volume
Subbasin P3.31

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
4C	18.4	0.18	50%	0.055	3.3	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	2.64
0:10	1.3	0.328	0.18	0.14	2.64
0:15	1.1	0.277	0.18	0.09	1.71
0:20	1.5	0.378	0.18	0.19	3.57
0:25	1.5	0.378	0.18	0.19	3.57
0:30	1.8	0.454	0.18	0.27	4.95
0:35	1.5	0.378	0.18	0.19	3.57
0:40	1.8	0.454	0.18	0.27	4.95
0:45	1.8	0.454	0.18	0.27	4.95
0:50	1.5	0.378	0.18	0.19	3.57
0:55	1.0	0.252	0.18	0.07	1.25
1:00	1.8	0.454	0.18	0.27	4.95
1:05	2.2	0.554	0.18	0.37	6.81
1:10	2.2	0.554	0.18	0.37	6.81
1:15	2.2	0.554	0.18	0.37	6.81
1:20	2.0	0.504	0.18	0.32	5.88
1:25	2.6	0.655	0.18	0.47	8.66
1:30	2.7	0.680	0.18	0.50	9.12
1:35	2.4	0.605	0.18	0.42	7.73
1:40	2.7	0.680	0.18	0.50	9.12
1:45	3.3	0.832	0.18	0.65	11.90
1:50	3.1	0.781	0.18	0.60	10.97
1:55	2.9	0.731	0.18	0.55	10.05
2:00	3.0	0.756	0.18	0.57	10.51
2:05	3.1	0.781	0.18	0.60	10.97
2:10	4.2	1.058	0.18	0.87	16.06
2:15	5.0	1.260	0.18	1.08	19.76
2:20	3.5	0.882	0.18	0.70	12.82
2:25	6.8	1.714	0.18	1.53	28.09
2:30	7.3	1.840	0.18	1.66	30.41
2:35	8.2	2.066	0.18	1.88	34.57
2:40	5.9	1.487	0.18	1.30	23.93
2:45	2.0	0.504	0.18	0.32	5.88
2:50	1.8	0.454	0.18	0.27	4.95
2:55	1.8	0.454	0.18	0.27	4.95
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
2.355 ac-ft

Peak Estimated Flow
34.57 cfs

100-year 3-hour Flood Volume
Subbasin P3.32

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	7.7	0.34	100%	0.117	7.0	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.34	0.00	0.00
0:20	2.6	0.328	0.34	0.00	0.00
0:30	3.3	0.416	0.34	0.07	0.57
0:40	3.3	0.416	0.34	0.07	0.57
0:50	3.3	0.416	0.34	0.07	0.57
1:00	3.4	0.428	0.34	0.09	0.66
1:10	4.4	0.554	0.34	0.21	1.63
1:20	4.2	0.529	0.34	0.19	1.44
1:30	5.3	0.668	0.34	0.33	2.51
1:40	5.1	0.643	0.34	0.30	2.31
1:50	6.4	0.806	0.34	0.46	3.57
2:00	5.9	0.743	0.34	0.40	3.09
2:10	7.3	0.920	0.34	0.58	4.44
2:20	8.5	1.071	0.34	0.73	5.61
2:30	14.1	1.777	0.34	1.43	11.03
2:40	14.1	1.777	0.34	1.43	11.03
2:50	3.8	0.479	0.34	0.14	1.05
3:00	2.4	0.302	0.34	0.00	0.00

Σ Effective Rain
6.51 in/hr

Effective Rain
1.09 in

Flood Volume
0.696 ac-ft

Peak Estimated Flow
11.03 cfs

100-year 3-hour Flood Volume
Subbasin S7.1

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
5D	21.6	0.18	50%	0.073	4.4	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	3.11
0:10	1.3	0.328	0.18	0.14	3.11
0:15	1.1	0.277	0.18	0.09	2.02
0:20	1.5	0.378	0.18	0.19	4.20
0:25	1.5	0.378	0.18	0.19	4.20
0:30	1.8	0.454	0.18	0.27	5.84
0:35	1.5	0.378	0.18	0.19	4.20
0:40	1.8	0.454	0.18	0.27	5.84
0:45	1.8	0.454	0.18	0.27	5.84
0:50	1.5	0.378	0.18	0.19	4.20
0:55	1.0	0.252	0.18	0.07	1.48
1:00	1.8	0.454	0.18	0.27	5.84
1:05	2.2	0.554	0.18	0.37	8.02
1:10	2.2	0.554	0.18	0.37	8.02
1:15	2.2	0.554	0.18	0.37	8.02
1:20	2.0	0.504	0.18	0.32	6.93
1:25	2.6	0.655	0.18	0.47	10.20
1:30	2.7	0.680	0.18	0.50	10.75
1:35	2.4	0.605	0.18	0.42	9.11
1:40	2.7	0.680	0.18	0.50	10.75
1:45	3.3	0.832	0.18	0.65	14.02
1:50	3.1	0.781	0.18	0.60	12.93
1:55	2.9	0.731	0.18	0.55	11.84
2:00	3.0	0.756	0.18	0.57	12.38
2:05	3.1	0.781	0.18	0.60	12.93
2:10	4.2	1.058	0.18	0.87	18.92
2:15	5.0	1.260	0.18	1.08	23.28
2:20	3.5	0.882	0.18	0.70	15.11
2:25	6.8	1.714	0.18	1.53	33.09
2:30	7.3	1.840	0.18	1.66	35.82
2:35	8.2	2.066	0.18	1.88	40.72
2:40	5.9	1.487	0.18	1.30	28.19
2:45	2.0	0.504	0.18	0.32	6.93
2:50	1.8	0.454	0.18	0.27	5.84
2:55	1.8	0.454	0.18	0.27	5.84
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.47 in/hr

Effective Rain
1.54 in

Flood Volume
2.774 ac-ft

Peak Estimated Flow
40.72 cfs

100-year 3-hour Flood Volume
Subbasin S7.2

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
6C	12.2	0.18	50%	0.034	2.0	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	1.76
0:10	1.3	0.328	0.18	0.14	1.76
0:15	1.1	0.277	0.18	0.09	1.14
0:20	1.5	0.378	0.18	0.19	2.37
0:25	1.5	0.378	0.18	0.19	2.37
0:30	1.8	0.454	0.18	0.27	3.30
0:35	1.5	0.378	0.18	0.19	2.37
0:40	1.8	0.454	0.18	0.27	3.30
0:45	1.8	0.454	0.18	0.27	3.30
0:50	1.5	0.378	0.18	0.19	2.37
0:55	1.0	0.252	0.18	0.07	0.83
1:00	1.8	0.454	0.18	0.27	3.30
1:05	2.2	0.554	0.18	0.37	4.53
1:10	2.2	0.554	0.18	0.37	4.53
1:15	2.2	0.554	0.18	0.37	4.53
1:20	2.0	0.504	0.18	0.32	3.91
1:25	2.6	0.655	0.18	0.47	5.76
1:30	2.7	0.680	0.18	0.50	6.07
1:35	2.4	0.605	0.18	0.42	5.14
1:40	2.7	0.680	0.18	0.50	6.07
1:45	3.3	0.832	0.18	0.65	7.92
1:50	3.1	0.781	0.18	0.60	7.30
1:55	2.9	0.731	0.18	0.55	6.68
2:00	3.0	0.756	0.18	0.57	6.99
2:05	3.1	0.781	0.18	0.60	7.30
2:10	4.2	1.058	0.18	0.87	10.69
2:15	5.0	1.260	0.18	1.08	13.15
2:20	3.5	0.882	0.18	0.70	8.53
2:25	6.8	1.714	0.18	1.53	18.69
2:30	7.3	1.840	0.18	1.66	20.23
2:35	8.2	2.066	0.18	1.88	23.00
2:40	5.9	1.487	0.18	1.30	15.92
2:45	2.0	0.504	0.18	0.32	3.91
2:50	1.8	0.454	0.18	0.27	3.30
2:55	1.8	0.454	0.18	0.27	3.30
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
1.567 ac-ft

Peak Estimated Flow
23.00 cfs

100-year 3-hour Flood Volume
Subbasin S7.3

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	4.0	0.32	100%	0.064	3.8	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.32	0.01	0.05
0:10	1.3	0.328	0.32	0.01	0.05
0:15	1.1	0.277	0.32	0.00	0.00
0:20	1.5	0.378	0.32	0.06	0.25
0:25	1.5	0.378	0.32	0.06	0.25
0:30	1.8	0.454	0.32	0.14	0.55
0:35	1.5	0.378	0.32	0.06	0.25
0:40	1.8	0.454	0.32	0.14	0.55
0:45	1.8	0.454	0.32	0.14	0.55
0:50	1.5	0.378	0.32	0.06	0.25
0:55	1.0	0.252	0.32	0.00	0.00
1:00	1.8	0.454	0.32	0.14	0.55
1:05	2.2	0.554	0.32	0.24	0.95
1:10	2.2	0.554	0.32	0.24	0.95
1:15	2.2	0.554	0.32	0.24	0.95
1:20	2.0	0.504	0.32	0.19	0.75
1:25	2.6	0.655	0.32	0.34	1.35
1:30	2.7	0.680	0.32	0.36	1.46
1:35	2.4	0.605	0.32	0.29	1.15
1:40	2.7	0.680	0.32	0.36	1.46
1:45	3.3	0.832	0.32	0.52	2.06
1:50	3.1	0.781	0.32	0.47	1.86
1:55	2.9	0.731	0.32	0.42	1.66
2:00	3.0	0.756	0.32	0.44	1.76
2:05	3.1	0.781	0.32	0.47	1.86
2:10	4.2	1.058	0.32	0.74	2.96
2:15	5.0	1.260	0.32	0.94	3.77
2:20	3.5	0.882	0.32	0.57	2.26
2:25	6.8	1.714	0.32	1.40	5.58
2:30	7.3	1.840	0.32	1.52	6.08
2:35	8.2	2.066	0.32	1.75	6.99
2:40	5.9	1.487	0.32	1.17	4.67
2:45	2.0	0.504	0.32	0.19	0.75
2:50	1.8	0.454	0.32	0.14	0.55
2:55	1.8	0.454	0.32	0.14	0.55
3:00	0.6	0.151	0.32	0.00	0.00

Σ Effective Rain
13.95 in/hr

Effective Rain
1.16 in

Flood Volume
0.387 ac-ft

Peak Estimated Flow
6.99 cfs

100-year 3-hour Flood Volume
Subbasin M3.1

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
7A	58.7	0.11	30%	0.086	5.1	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.11	0.21	12.60
0:20	2.6	0.328	0.11	0.21	12.60
0:30	3.3	0.416	0.11	0.30	17.77
0:40	3.3	0.416	0.11	0.30	17.77
0:50	3.3	0.416	0.11	0.30	17.77
1:00	3.4	0.428	0.11	0.32	18.51
1:10	4.4	0.554	0.11	0.44	25.90
1:20	4.2	0.529	0.11	0.42	24.42
1:30	5.3	0.668	0.11	0.55	32.55
1:40	5.1	0.643	0.11	0.53	31.08
1:50	6.4	0.806	0.11	0.69	40.68
2:00	5.9	0.743	0.11	0.63	36.99
2:10	7.3	0.920	0.11	0.81	47.34
2:20	8.5	1.071	0.11	0.96	56.21
2:30	14.1	1.777	0.11	1.66	97.59
2:40	14.1	1.777	0.11	1.66	97.59
2:50	3.8	0.479	0.11	0.37	21.47
3:00	2.4	0.302	0.11	0.19	11.12

Σ Effective Rain
10.57 in/hr

Effective Rain
1.76 in

Flood Volume
8.611 ac-ft

Peak Estimated Flow
97.59 cfs

100-year 3-hour Flood Volume
Subbasin M3.2

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST1	2.6	0.06	39%	0.134	8.1	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.06	0.26	0.68
0:20	2.6	0.328	0.06	0.26	0.68
0:30	3.3	0.416	0.06	0.35	0.90
0:40	3.3	0.416	0.06	0.35	0.90
0:50	3.3	0.416	0.06	0.35	0.90
1:00	3.4	0.428	0.06	0.37	0.93
1:10	4.4	0.554	0.06	0.49	1.25
1:20	4.2	0.529	0.06	0.47	1.19
1:30	5.3	0.668	0.06	0.60	1.54
1:40	5.1	0.643	0.06	0.58	1.48
1:50	6.4	0.806	0.06	0.74	1.90
2:00	5.9	0.743	0.06	0.68	1.74
2:10	7.3	0.920	0.06	0.86	2.19
2:20	8.5	1.071	0.06	1.01	2.57
2:30	14.1	1.777	0.06	1.71	4.38
2:40	14.1	1.777	0.06	1.71	4.38
2:50	3.8	0.479	0.06	0.42	1.06
3:00	2.4	0.302	0.06	0.24	0.61

Σ Effective Rain
11.46 in/hr

Effective Rain
1.91 in

Flood Volume
0.407 ac-ft

Peak Estimated Flow
4.38 cfs

100-year 3-hour Flood Volume
Subbasin M3.10

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
12	10.9	0.34	90%	0.031	1.9	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.34	0.00	0.00
0:10	1.3	0.328	0.34	0.00	0.00
0:15	1.1	0.277	0.34	0.00	0.00
0:20	1.5	0.378	0.34	0.03	0.37
0:25	1.5	0.378	0.34	0.03	0.37
0:30	1.8	0.454	0.34	0.11	1.19
0:35	1.5	0.378	0.34	0.03	0.37
0:40	1.8	0.454	0.34	0.11	1.19
0:45	1.8	0.454	0.34	0.11	1.19
0:50	1.5	0.378	0.34	0.03	0.37
0:55	1.0	0.252	0.34	0.00	0.00
1:00	1.8	0.454	0.34	0.11	1.19
1:05	2.2	0.554	0.34	0.21	2.28
1:10	2.2	0.554	0.34	0.21	2.28
1:15	2.2	0.554	0.34	0.21	2.28
1:20	2.0	0.504	0.34	0.16	1.73
1:25	2.6	0.655	0.34	0.31	3.38
1:30	2.7	0.680	0.34	0.34	3.65
1:35	2.4	0.605	0.34	0.26	2.83
1:40	2.7	0.680	0.34	0.34	3.65
1:45	3.3	0.832	0.34	0.49	5.29
1:50	3.1	0.781	0.34	0.44	4.75
1:55	2.9	0.731	0.34	0.39	4.20
2:00	3.0	0.756	0.34	0.41	4.47
2:05	3.1	0.781	0.34	0.44	4.75
2:10	4.2	1.058	0.34	0.71	7.76
2:15	5.0	1.260	0.34	0.92	9.95
2:20	3.5	0.882	0.34	0.54	5.84
2:25	6.8	1.714	0.34	1.37	14.88
2:30	7.3	1.840	0.34	1.50	16.25
2:35	8.2	2.066	0.34	1.72	18.71
2:40	5.9	1.487	0.34	1.14	12.41
2:45	2.0	0.504	0.34	0.16	1.73
2:50	1.8	0.454	0.34	0.11	1.19
2:55	1.8	0.454	0.34	0.11	1.19
3:00	0.6	0.151	0.34	0.00	0.00

Σ Effective Rain
13.04 in/hr

Effective Rain
1.09 in

Flood Volume
0.984 ac-ft

Peak Estimated Flow
18.71 cfs

100-year 3-hour Flood Volume
Subbasin M3.7

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
13	1.1	0.38	100%	0.014	0.8	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.38	0.00	0.00
0:10	1.3	0.328	0.38	0.00	0.00
0:15	1.1	0.277	0.38	0.00	0.00
0:20	1.5	0.378	0.38	0.00	0.00
0:25	1.5	0.378	0.38	0.00	0.00
0:30	1.8	0.454	0.38	0.08	0.08
0:35	1.5	0.378	0.38	0.00	0.00
0:40	1.8	0.454	0.38	0.08	0.08
0:45	1.8	0.454	0.38	0.08	0.08
0:50	1.5	0.378	0.38	0.00	0.00
0:55	1.0	0.252	0.38	0.00	0.00
1:00	1.8	0.454	0.38	0.08	0.08
1:05	2.2	0.554	0.38	0.18	0.19
1:10	2.2	0.554	0.38	0.18	0.19
1:15	2.2	0.554	0.38	0.18	0.19
1:20	2.0	0.504	0.38	0.13	0.14
1:25	2.6	0.655	0.38	0.28	0.30
1:30	2.7	0.680	0.38	0.30	0.33
1:35	2.4	0.605	0.38	0.23	0.24
1:40	2.7	0.680	0.38	0.30	0.33
1:45	3.3	0.832	0.38	0.45	0.49
1:50	3.1	0.781	0.38	0.40	0.43
1:55	2.9	0.731	0.38	0.35	0.38
2:00	3.0	0.756	0.38	0.38	0.41
2:05	3.1	0.781	0.38	0.40	0.43
2:10	4.2	1.058	0.38	0.68	0.73
2:15	5.0	1.260	0.38	0.88	0.95
2:20	3.5	0.882	0.38	0.50	0.54
2:25	6.8	1.714	0.38	1.34	1.44
2:30	7.3	1.840	0.38	1.46	1.58
2:35	8.2	2.066	0.38	1.69	1.82
2:40	5.9	1.487	0.38	1.11	1.20
2:45	2.0	0.504	0.38	0.13	0.14
2:50	1.8	0.454	0.38	0.08	0.08
2:55	1.8	0.454	0.38	0.08	0.08
3:00	0.6	0.151	0.38	0.00	0.00

Σ Effective Rain
11.98 in/hr

Effective Rain
1.00 in

Flood Volume
0.090 ac-ft

Peak Estimated Flow
1.82 cfs

100-year 3-hour Flood Volume
Subbasin M3.8

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST1	7.1	0.07	39%	0.046	2.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.07	0.26	1.85
0:10	1.3	0.328	0.07	0.26	1.85
0:15	1.1	0.277	0.07	0.21	1.49
0:20	1.5	0.378	0.07	0.31	2.20
0:25	1.5	0.378	0.07	0.31	2.20
0:30	1.8	0.454	0.07	0.39	2.74
0:35	1.5	0.378	0.07	0.31	2.20
0:40	1.8	0.454	0.07	0.39	2.74
0:45	1.8	0.454	0.07	0.39	2.74
0:50	1.5	0.378	0.07	0.31	2.20
0:55	1.0	0.252	0.07	0.19	1.31
1:00	1.8	0.454	0.07	0.39	2.74
1:05	2.2	0.554	0.07	0.49	3.45
1:10	2.2	0.554	0.07	0.49	3.45
1:15	2.2	0.554	0.07	0.49	3.45
1:20	2.0	0.504	0.07	0.44	3.09
1:25	2.6	0.655	0.07	0.59	4.16
1:30	2.7	0.680	0.07	0.61	4.34
1:35	2.4	0.605	0.07	0.54	3.81
1:40	2.7	0.680	0.07	0.61	4.34
1:45	3.3	0.832	0.07	0.77	5.41
1:50	3.1	0.781	0.07	0.71	5.05
1:55	2.9	0.731	0.07	0.66	4.70
2:00	3.0	0.756	0.07	0.69	4.88
2:05	3.1	0.781	0.07	0.71	5.05
2:10	4.2	1.058	0.07	0.99	7.01
2:15	5.0	1.260	0.07	1.19	8.44
2:20	3.5	0.882	0.07	0.82	5.77
2:25	6.8	1.714	0.07	1.65	11.64
2:30	7.3	1.840	0.07	1.77	12.53
2:35	8.2	2.066	0.07	2.00	14.14
2:40	5.9	1.487	0.07	1.42	10.04
2:45	2.0	0.504	0.07	0.44	3.09
2:50	1.8	0.454	0.07	0.39	2.74
2:55	1.8	0.454	0.07	0.39	2.74
3:00	0.6	0.151	0.07	0.08	0.60

Σ Effective Rain
22.66 in/hr

Effective Rain
1.89 in

Flood Volume
1.112 ac-ft

Peak Estimated Flow
14.14 cfs

100-year 3-hour Flood Volume
Subbasin M3.6

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
7B	30.7	0.12	30%	0.058	3.5	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.12	0.20	6.28
0:10	1.3	0.328	0.12	0.20	6.28
0:15	1.1	0.277	0.12	0.15	4.73
0:20	1.5	0.378	0.12	0.25	7.82
0:25	1.5	0.378	0.12	0.25	7.82
0:30	1.8	0.454	0.12	0.33	10.15
0:35	1.5	0.378	0.12	0.25	7.82
0:40	1.8	0.454	0.12	0.33	10.15
0:45	1.8	0.454	0.12	0.33	10.15
0:50	1.5	0.378	0.12	0.25	7.82
0:55	1.0	0.252	0.12	0.13	3.96
1:00	1.8	0.454	0.12	0.33	10.15
1:05	2.2	0.554	0.12	0.43	13.24
1:10	2.2	0.554	0.12	0.43	13.24
1:15	2.2	0.554	0.12	0.43	13.24
1:20	2.0	0.504	0.12	0.38	11.69
1:25	2.6	0.655	0.12	0.53	16.33
1:30	2.7	0.680	0.12	0.56	17.11
1:35	2.4	0.605	0.12	0.48	14.79
1:40	2.7	0.680	0.12	0.56	17.11
1:45	3.3	0.832	0.12	0.71	21.75
1:50	3.1	0.781	0.12	0.66	20.20
1:55	2.9	0.731	0.12	0.61	18.66
2:00	3.0	0.756	0.12	0.63	19.43
2:05	3.1	0.781	0.12	0.66	20.20
2:10	4.2	1.058	0.12	0.94	28.71
2:15	5.0	1.260	0.12	1.14	34.90
2:20	3.5	0.882	0.12	0.76	23.30
2:25	6.8	1.714	0.12	1.59	48.82
2:30	7.3	1.840	0.12	1.72	52.69
2:35	8.2	2.066	0.12	1.94	59.66
2:40	5.9	1.487	0.12	1.36	41.86
2:45	2.0	0.504	0.12	0.38	11.69
2:50	1.8	0.454	0.12	0.33	10.15
2:55	1.8	0.454	0.12	0.33	10.15
3:00	0.6	0.151	0.12	0.03	0.86

Σ Effective Rain
20.62 in/hr

Effective Rain
1.72 in

Flood Volume
4.395 ac-ft

Peak Estimated Flow
59.66 cfs

100-year 3-hour Flood Volume
Subbasin S4.1

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
1	23.5	0.21	65%	0.073	4.4	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.21	0.12	2.81
0:10	1.3	0.328	0.21	0.12	2.81
0:15	1.1	0.277	0.21	0.07	1.63
0:20	1.5	0.378	0.21	0.17	3.99
0:25	1.5	0.378	0.21	0.17	3.99
0:30	1.8	0.454	0.21	0.25	5.76
0:35	1.5	0.378	0.21	0.17	3.99
0:40	1.8	0.454	0.21	0.25	5.76
0:45	1.8	0.454	0.21	0.25	5.76
0:50	1.5	0.378	0.21	0.17	3.99
0:55	1.0	0.252	0.21	0.04	1.04
1:00	1.8	0.454	0.21	0.25	5.76
1:05	2.2	0.554	0.21	0.35	8.13
1:10	2.2	0.554	0.21	0.35	8.13
1:15	2.2	0.554	0.21	0.35	8.13
1:20	2.0	0.504	0.21	0.30	6.95
1:25	2.6	0.655	0.21	0.45	10.49
1:30	2.7	0.680	0.21	0.47	11.08
1:35	2.4	0.605	0.21	0.40	9.31
1:40	2.7	0.680	0.21	0.47	11.08
1:45	3.3	0.832	0.21	0.62	14.63
1:50	3.1	0.781	0.21	0.57	13.45
1:55	2.9	0.731	0.21	0.52	12.27
2:00	3.0	0.756	0.21	0.55	12.86
2:05	3.1	0.781	0.21	0.57	13.45
2:10	4.2	1.058	0.21	0.85	19.95
2:15	5.0	1.260	0.21	1.05	24.68
2:20	3.5	0.882	0.21	0.67	15.81
2:25	6.8	1.714	0.21	1.51	35.31
2:30	7.3	1.840	0.21	1.63	38.27
2:35	8.2	2.066	0.21	1.86	43.59
2:40	5.9	1.487	0.21	1.28	29.99
2:45	2.0	0.504	0.21	0.30	6.95
2:50	1.8	0.454	0.21	0.25	5.76
2:55	1.8	0.454	0.21	0.25	5.76
3:00	0.6	0.151	0.21	0.00	0.00

Σ Effective Rain
17.63 in/hr

Effective Rain
1.47 in

Flood Volume
2.870 ac-ft

Peak Estimated Flow
43.59 cfs

100-year 3-hour Flood Volume
Subbasin M3.9

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST5	4.9	0.09	59%	0.047	2.8	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.09	0.23	1.14
0:10	1.3	0.328	0.09	0.23	1.14
0:15	1.1	0.277	0.09	0.18	0.90
0:20	1.5	0.378	0.09	0.28	1.39
0:25	1.5	0.378	0.09	0.28	1.39
0:30	1.8	0.454	0.09	0.36	1.76
0:35	1.5	0.378	0.09	0.28	1.39
0:40	1.8	0.454	0.09	0.36	1.76
0:45	1.8	0.454	0.09	0.36	1.76
0:50	1.5	0.378	0.09	0.28	1.39
0:55	1.0	0.252	0.09	0.16	0.77
1:00	1.8	0.454	0.09	0.36	1.76
1:05	2.2	0.554	0.09	0.46	2.25
1:10	2.2	0.554	0.09	0.46	2.25
1:15	2.2	0.554	0.09	0.46	2.25
1:20	2.0	0.504	0.09	0.41	2.01
1:25	2.6	0.655	0.09	0.56	2.75
1:30	2.7	0.680	0.09	0.59	2.87
1:35	2.4	0.605	0.09	0.51	2.50
1:40	2.7	0.680	0.09	0.59	2.87
1:45	3.3	0.832	0.09	0.74	3.61
1:50	3.1	0.781	0.09	0.69	3.36
1:55	2.9	0.731	0.09	0.64	3.12
2:00	3.0	0.756	0.09	0.66	3.24
2:05	3.1	0.781	0.09	0.69	3.36
2:10	4.2	1.058	0.09	0.96	4.72
2:15	5.0	1.260	0.09	1.17	5.70
2:20	3.5	0.882	0.09	0.79	3.86
2:25	6.8	1.714	0.09	1.62	7.92
2:30	7.3	1.840	0.09	1.75	8.54
2:35	8.2	2.066	0.09	1.97	9.65
2:40	5.9	1.487	0.09	1.39	6.81
2:45	2.0	0.504	0.09	0.41	2.01
2:50	1.8	0.454	0.09	0.36	1.76
2:55	1.8	0.454	0.09	0.36	1.76
3:00	0.6	0.151	0.09	0.06	0.28

Σ Effective Rain
21.67 in/hr

Effective Rain
1.81 in

Flood Volume
0.736 ac-ft

Peak Estimated Flow
9.65 cfs

100-year 3-hour Flood Volume
Subbasin M3.11

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
4D	12.3	0.18	50%	0.027	1.6	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	1.77
0:10	1.3	0.328	0.18	0.14	1.77
0:15	1.1	0.277	0.18	0.09	1.15
0:20	1.5	0.378	0.18	0.19	2.39
0:25	1.5	0.378	0.18	0.19	2.39
0:30	1.8	0.454	0.18	0.27	3.32
0:35	1.5	0.378	0.18	0.19	2.39
0:40	1.8	0.454	0.18	0.27	3.32
0:45	1.8	0.454	0.18	0.27	3.32
0:50	1.5	0.378	0.18	0.19	2.39
0:55	1.0	0.252	0.18	0.07	0.84
1:00	1.8	0.454	0.18	0.27	3.32
1:05	2.2	0.554	0.18	0.37	4.56
1:10	2.2	0.554	0.18	0.37	4.56
1:15	2.2	0.554	0.18	0.37	4.56
1:20	2.0	0.504	0.18	0.32	3.94
1:25	2.6	0.655	0.18	0.47	5.80
1:30	2.7	0.680	0.18	0.50	6.11
1:35	2.4	0.605	0.18	0.42	5.18
1:40	2.7	0.680	0.18	0.50	6.11
1:45	3.3	0.832	0.18	0.65	7.96
1:50	3.1	0.781	0.18	0.60	7.34
1:55	2.9	0.731	0.18	0.55	6.73
2:00	3.0	0.756	0.18	0.57	7.04
2:05	3.1	0.781	0.18	0.60	7.34
2:10	4.2	1.058	0.18	0.87	10.75
2:15	5.0	1.260	0.18	1.08	13.23
2:20	3.5	0.882	0.18	0.70	8.58
2:25	6.8	1.714	0.18	1.53	18.81
2:30	7.3	1.840	0.18	1.66	20.36
2:35	8.2	2.066	0.18	1.88	23.15
2:40	5.9	1.487	0.18	1.30	16.02
2:45	2.0	0.504	0.18	0.32	3.94
2:50	1.8	0.454	0.18	0.27	3.32
2:55	1.8	0.454	0.18	0.27	3.32
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
1.577 ac-ft

Peak Estimated Flow
23.15 cfs

100-year 3-hour Flood Volume
Subbasin M3.12

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
5C	12.6	0.18	50%	0.088	5.3	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.18	0.15	1.86
0:20	2.6	0.328	0.18	0.15	1.86
0:30	3.3	0.416	0.18	0.24	2.97
0:40	3.3	0.416	0.18	0.24	2.97
0:50	3.3	0.416	0.18	0.24	2.97
1:00	3.4	0.428	0.18	0.25	3.13
1:10	4.4	0.554	0.18	0.37	4.72
1:20	4.2	0.529	0.18	0.35	4.40
1:30	5.3	0.668	0.18	0.49	6.15
1:40	5.1	0.643	0.18	0.46	5.83
1:50	6.4	0.806	0.18	0.63	7.89
2:00	5.9	0.743	0.18	0.56	7.10
2:10	7.3	0.920	0.18	0.74	9.32
2:20	8.5	1.071	0.18	0.89	11.23
2:30	14.1	1.777	0.18	1.60	20.12
2:40	14.1	1.777	0.18	1.60	20.12
2:50	3.8	0.479	0.18	0.30	3.77
3:00	2.4	0.302	0.18	0.12	1.54

Σ Effective Rain
9.36 in/hr

Effective Rain
1.56 in

Flood Volume
1.638 ac-ft

Peak Estimated Flow
20.12 cfs

100-year 3-hour Flood Volume
Subbasin M3.13

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
6B	18.7	0.17	50%	0.048	2.9	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.17	0.16	3.02
0:10	1.3	0.328	0.17	0.16	3.02
0:15	1.1	0.277	0.17	0.11	2.07
0:20	1.5	0.378	0.17	0.21	3.96
0:25	1.5	0.378	0.17	0.21	3.96
0:30	1.8	0.454	0.17	0.29	5.38
0:35	1.5	0.378	0.17	0.21	3.96
0:40	1.8	0.454	0.17	0.29	5.38
0:45	1.8	0.454	0.17	0.29	5.38
0:50	1.5	0.378	0.17	0.21	3.96
0:55	1.0	0.252	0.17	0.09	1.60
1:00	1.8	0.454	0.17	0.29	5.38
1:05	2.2	0.554	0.17	0.39	7.27
1:10	2.2	0.554	0.17	0.39	7.27
1:15	2.2	0.554	0.17	0.39	7.27
1:20	2.0	0.504	0.17	0.34	6.32
1:25	2.6	0.655	0.17	0.49	9.16
1:30	2.7	0.680	0.17	0.51	9.63
1:35	2.4	0.605	0.17	0.44	8.21
1:40	2.7	0.680	0.17	0.51	9.63
1:45	3.3	0.832	0.17	0.66	12.46
1:50	3.1	0.781	0.17	0.61	11.52
1:55	2.9	0.731	0.17	0.56	10.58
2:00	3.0	0.756	0.17	0.59	11.05
2:05	3.1	0.781	0.17	0.61	11.52
2:10	4.2	1.058	0.17	0.89	16.72
2:15	5.0	1.260	0.17	1.09	20.50
2:20	3.5	0.882	0.17	0.72	13.41
2:25	6.8	1.714	0.17	1.55	29.00
2:30	7.3	1.840	0.17	1.67	31.36
2:35	8.2	2.066	0.17	1.90	35.61
2:40	5.9	1.487	0.17	1.32	24.75
2:45	2.0	0.504	0.17	0.34	6.32
2:50	1.8	0.454	0.17	0.29	5.38
2:55	1.8	0.454	0.17	0.29	5.38
3:00	0.6	0.151	0.17	0.00	0.00

Σ Effective Rain
19.06 in/hr

Effective Rain
1.59 in

Flood Volume
2.482 ac-ft

Peak Estimated Flow
35.61 cfs

100-year 3-hour Flood Volume
Subbasin M3.14

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
14B	6.0	0.37	100%	0.077	4.6	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.37	0.00	0.00
0:10	1.3	0.328	0.37	0.00	0.00
0:15	1.1	0.277	0.37	0.00	0.00
0:20	1.5	0.378	0.37	0.01	0.06
0:25	1.5	0.378	0.37	0.01	0.06
0:30	1.8	0.454	0.37	0.09	0.51
0:35	1.5	0.378	0.37	0.01	0.06
0:40	1.8	0.454	0.37	0.09	0.51
0:45	1.8	0.454	0.37	0.09	0.51
0:50	1.5	0.378	0.37	0.01	0.06
0:55	1.0	0.252	0.37	0.00	0.00
1:00	1.8	0.454	0.37	0.09	0.51
1:05	2.2	0.554	0.37	0.19	1.12
1:10	2.2	0.554	0.37	0.19	1.12
1:15	2.2	0.554	0.37	0.19	1.12
1:20	2.0	0.504	0.37	0.14	0.82
1:25	2.6	0.655	0.37	0.29	1.73
1:30	2.7	0.680	0.37	0.31	1.88
1:35	2.4	0.605	0.37	0.24	1.42
1:40	2.7	0.680	0.37	0.31	1.88
1:45	3.3	0.832	0.37	0.46	2.79
1:50	3.1	0.781	0.37	0.41	2.48
1:55	2.9	0.731	0.37	0.36	2.18
2:00	3.0	0.756	0.37	0.39	2.33
2:05	3.1	0.781	0.37	0.41	2.48
2:10	4.2	1.058	0.37	0.69	4.15
2:15	5.0	1.260	0.37	0.89	5.36
2:20	3.5	0.882	0.37	0.51	3.09
2:25	6.8	1.714	0.37	1.35	8.09
2:30	7.3	1.840	0.37	1.47	8.85
2:35	8.2	2.066	0.37	1.70	10.21
2:40	5.9	1.487	0.37	1.12	6.73
2:45	2.0	0.504	0.37	0.14	0.82
2:50	1.8	0.454	0.37	0.09	0.51
2:55	1.8	0.454	0.37	0.09	0.51
3:00	0.6	0.151	0.37	0.00	0.00

Σ Effective Rain
12.30 in/hr

Effective Rain
1.02 in

Flood Volume
0.514 ac-ft

Peak Estimated Flow
10.21 cfs

100-year 3-hour Flood Volume
Subbasin M3.15

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
4B	23.2	0.18	50%	0.045	2.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.15	3.51
0:10	1.3	0.328	0.18	0.15	3.51
0:15	1.1	0.277	0.18	0.10	2.34
0:20	1.5	0.378	0.18	0.20	4.68
0:25	1.5	0.378	0.18	0.20	4.68
0:30	1.8	0.454	0.18	0.28	6.43
0:35	1.5	0.378	0.18	0.20	4.68
0:40	1.8	0.454	0.18	0.28	6.43
0:45	1.8	0.454	0.18	0.28	6.43
0:50	1.5	0.378	0.18	0.20	4.68
0:55	1.0	0.252	0.18	0.08	1.75
1:00	1.8	0.454	0.18	0.28	6.43
1:05	2.2	0.554	0.18	0.38	8.77
1:10	2.2	0.554	0.18	0.38	8.77
1:15	2.2	0.554	0.18	0.38	8.77
1:20	2.0	0.504	0.18	0.33	7.60
1:25	2.6	0.655	0.18	0.48	11.11
1:30	2.7	0.680	0.18	0.50	11.69
1:35	2.4	0.605	0.18	0.43	9.94
1:40	2.7	0.680	0.18	0.50	11.69
1:45	3.3	0.832	0.18	0.66	15.20
1:50	3.1	0.781	0.18	0.60	14.03
1:55	2.9	0.731	0.18	0.55	12.86
2:00	3.0	0.756	0.18	0.58	13.45
2:05	3.1	0.781	0.18	0.60	14.03
2:10	4.2	1.058	0.18	0.88	20.46
2:15	5.0	1.260	0.18	1.08	25.14
2:20	3.5	0.882	0.18	0.71	16.37
2:25	6.8	1.714	0.18	1.54	35.67
2:30	7.3	1.840	0.18	1.66	38.59
2:35	8.2	2.066	0.18	1.89	43.85
2:40	5.9	1.487	0.18	1.31	30.40
2:45	2.0	0.504	0.18	0.33	7.60
2:50	1.8	0.454	0.18	0.28	6.43
2:55	1.8	0.454	0.18	0.28	6.43
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.72 in/hr

Effective Rain
1.56 in

Flood Volume
3.017 ac-ft

Peak Estimated Flow
43.85 cfs

100-year 3-hour Flood Volume
Subbasin M3.16

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
3B	23.8	0.19	55%	0.037	2.2	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.19	0.14	3.26
0:10	1.3	0.328	0.19	0.14	3.26
0:15	1.1	0.277	0.19	0.09	2.06
0:20	1.5	0.378	0.19	0.19	4.46
0:25	1.5	0.378	0.19	0.19	4.46
0:30	1.8	0.454	0.19	0.26	6.26
0:35	1.5	0.378	0.19	0.19	4.46
0:40	1.8	0.454	0.19	0.26	6.26
0:45	1.8	0.454	0.19	0.26	6.26
0:50	1.5	0.378	0.19	0.19	4.46
0:55	1.0	0.252	0.19	0.06	1.46
1:00	1.8	0.454	0.19	0.26	6.26
1:05	2.2	0.554	0.19	0.36	8.66
1:10	2.2	0.554	0.19	0.36	8.66
1:15	2.2	0.554	0.19	0.36	8.66
1:20	2.0	0.504	0.19	0.31	7.46
1:25	2.6	0.655	0.19	0.46	11.06
1:30	2.7	0.680	0.19	0.49	11.66
1:35	2.4	0.605	0.19	0.41	9.86
1:40	2.7	0.680	0.19	0.49	11.66
1:45	3.3	0.832	0.19	0.64	15.26
1:50	3.1	0.781	0.19	0.59	14.06
1:55	2.9	0.731	0.19	0.54	12.86
2:00	3.0	0.756	0.19	0.57	13.46
2:05	3.1	0.781	0.19	0.59	14.06
2:10	4.2	1.058	0.19	0.87	20.66
2:15	5.0	1.260	0.19	1.07	25.46
2:20	3.5	0.882	0.19	0.69	16.46
2:25	6.8	1.714	0.19	1.52	36.26
2:30	7.3	1.840	0.19	1.65	39.25
2:35	8.2	2.066	0.19	1.88	44.65
2:40	5.9	1.487	0.19	1.30	30.86
2:45	2.0	0.504	0.19	0.31	7.46
2:50	1.8	0.454	0.19	0.26	6.26
2:55	1.8	0.454	0.19	0.26	6.26
3:00	0.6	0.151	0.19	0.00	0.00

Σ Effective Rain
18.22 in/hr

Effective Rain
1.52 in

Flood Volume
3.013 ac-ft

Peak Estimated Flow
44.65 cfs

100-year 3-hour Flood Volume
Subbasin M3.17

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST4	8.2	0.08	51%	0.128	7.7	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.08	0.24	1.99
0:20	2.6	0.328	0.08	0.24	1.99
0:30	3.3	0.416	0.08	0.33	2.71
0:40	3.3	0.416	0.08	0.33	2.71
0:50	3.3	0.416	0.08	0.33	2.71
1:00	3.4	0.428	0.08	0.35	2.82
1:10	4.4	0.554	0.08	0.47	3.84
1:20	4.2	0.529	0.08	0.45	3.64
1:30	5.3	0.668	0.08	0.58	4.77
1:40	5.1	0.643	0.08	0.56	4.56
1:50	6.4	0.806	0.08	0.72	5.90
2:00	5.9	0.743	0.08	0.66	5.39
2:10	7.3	0.920	0.08	0.84	6.82
2:20	8.5	1.071	0.08	0.99	8.06
2:30	14.1	1.777	0.08	1.69	13.81
2:40	14.1	1.777	0.08	1.69	13.81
2:50	3.8	0.479	0.08	0.40	3.23
3:00	2.4	0.302	0.08	0.22	1.79

Σ Effective Rain
11.11 in/hr

Effective Rain
1.85 in

Flood Volume
1.258 ac-ft

Peak Estimated Flow
13.81 cfs

100-year 3-hour Flood Volume
Subbasin M3.18

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
3C	10.6	0.20	55%	0.061	3.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.20	0.13	1.37
0:10	1.3	0.328	0.20	0.13	1.37
0:15	1.1	0.277	0.20	0.08	0.83
0:20	1.5	0.378	0.20	0.18	1.90
0:25	1.5	0.378	0.20	0.18	1.90
0:30	1.8	0.454	0.20	0.25	2.71
0:35	1.5	0.378	0.20	0.18	1.90
0:40	1.8	0.454	0.20	0.25	2.71
0:45	1.8	0.454	0.20	0.25	2.71
0:50	1.5	0.378	0.20	0.18	1.90
0:55	1.0	0.252	0.20	0.05	0.56
1:00	1.8	0.454	0.20	0.25	2.71
1:05	2.2	0.554	0.20	0.36	3.78
1:10	2.2	0.554	0.20	0.36	3.78
1:15	2.2	0.554	0.20	0.36	3.78
1:20	2.0	0.504	0.20	0.31	3.24
1:25	2.6	0.655	0.20	0.46	4.85
1:30	2.7	0.680	0.20	0.48	5.11
1:35	2.4	0.605	0.20	0.41	4.31
1:40	2.7	0.680	0.20	0.48	5.11
1:45	3.3	0.832	0.20	0.63	6.72
1:50	3.1	0.781	0.20	0.58	6.18
1:55	2.9	0.731	0.20	0.53	5.65
2:00	3.0	0.756	0.20	0.56	5.92
2:05	3.1	0.781	0.20	0.58	6.18
2:10	4.2	1.058	0.20	0.86	9.13
2:15	5.0	1.260	0.20	1.06	11.27
2:20	3.5	0.882	0.20	0.68	7.26
2:25	6.8	1.714	0.20	1.51	16.09
2:30	7.3	1.840	0.20	1.64	17.43
2:35	8.2	2.066	0.20	1.87	19.83
2:40	5.9	1.487	0.20	1.29	13.68
2:45	2.0	0.504	0.20	0.31	3.24
2:50	1.8	0.454	0.20	0.25	2.71
2:55	1.8	0.454	0.20	0.25	2.71
3:00	0.6	0.151	0.20	0.00	0.00

Σ Effective Rain
17.94 in/hr

Effective Rain
1.49 in

Flood Volume
1.323 ac-ft

Peak Estimated Flow
19.83 cfs

100-year 3-hour Flood Volume
Subbasin M3.19

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
11	10.2	0.36	95%	0.036	2.1	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.36	0.00	0.00
0:10	1.3	0.328	0.36	0.00	0.00
0:15	1.1	0.277	0.36	0.00	0.00
0:20	1.5	0.378	0.36	0.02	0.17
0:25	1.5	0.378	0.36	0.02	0.17
0:30	1.8	0.454	0.36	0.09	0.94
0:35	1.5	0.378	0.36	0.02	0.17
0:40	1.8	0.454	0.36	0.09	0.94
0:45	1.8	0.454	0.36	0.09	0.94
0:50	1.5	0.378	0.36	0.02	0.17
0:55	1.0	0.252	0.36	0.00	0.00
1:00	1.8	0.454	0.36	0.09	0.94
1:05	2.2	0.554	0.36	0.19	1.97
1:10	2.2	0.554	0.36	0.19	1.97
1:15	2.2	0.554	0.36	0.19	1.97
1:20	2.0	0.504	0.36	0.14	1.45
1:25	2.6	0.655	0.36	0.29	2.99
1:30	2.7	0.680	0.36	0.32	3.25
1:35	2.4	0.605	0.36	0.24	2.48
1:40	2.7	0.680	0.36	0.32	3.25
1:45	3.3	0.832	0.36	0.47	4.79
1:50	3.1	0.781	0.36	0.42	4.28
1:55	2.9	0.731	0.36	0.37	3.77
2:00	3.0	0.756	0.36	0.39	4.02
2:05	3.1	0.781	0.36	0.42	4.28
2:10	4.2	1.058	0.36	0.70	7.10
2:15	5.0	1.260	0.36	0.90	9.16
2:20	3.5	0.882	0.36	0.52	5.31
2:25	6.8	1.714	0.36	1.35	13.78
2:30	7.3	1.840	0.36	1.48	15.07
2:35	8.2	2.066	0.36	1.70	17.38
2:40	5.9	1.487	0.36	1.13	11.47
2:45	2.0	0.504	0.36	0.14	1.45
2:50	1.8	0.454	0.36	0.09	0.94
2:55	1.8	0.454	0.36	0.09	0.94
3:00	0.6	0.151	0.36	0.00	0.00

Σ Effective Rain
12.51 in/hr

Effective Rain
1.04 in

Flood Volume
0.886 ac-ft

Peak Estimated Flow
17.38 cfs

100-year 3-hour Flood Volume
Subbasin M3.20

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	2.2	0.37	100%	0.077	4.6	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.37	0.00	0.00
0:10	1.3	0.328	0.37	0.00	0.00
0:15	1.1	0.277	0.37	0.00	0.00
0:20	1.5	0.378	0.37	0.01	0.01
0:25	1.5	0.378	0.37	0.01	0.01
0:30	1.8	0.454	0.37	0.08	0.18
0:35	1.5	0.378	0.37	0.01	0.01
0:40	1.8	0.454	0.37	0.08	0.18
0:45	1.8	0.454	0.37	0.08	0.18
0:50	1.5	0.378	0.37	0.01	0.01
0:55	1.0	0.252	0.37	0.00	0.00
1:00	1.8	0.454	0.37	0.08	0.18
1:05	2.2	0.554	0.37	0.18	0.41
1:10	2.2	0.554	0.37	0.18	0.41
1:15	2.2	0.554	0.37	0.18	0.41
1:20	2.0	0.504	0.37	0.13	0.29
1:25	2.6	0.655	0.37	0.28	0.63
1:30	2.7	0.680	0.37	0.31	0.68
1:35	2.4	0.605	0.37	0.23	0.52
1:40	2.7	0.680	0.37	0.31	0.68
1:45	3.3	0.832	0.37	0.46	1.02
1:50	3.1	0.781	0.37	0.41	0.91
1:55	2.9	0.731	0.37	0.36	0.80
2:00	3.0	0.756	0.37	0.38	0.85
2:05	3.1	0.781	0.37	0.41	0.91
2:10	4.2	1.058	0.37	0.69	1.52
2:15	5.0	1.260	0.37	0.89	1.97
2:20	3.5	0.882	0.37	0.51	1.13
2:25	6.8	1.714	0.37	1.34	2.97
2:30	7.3	1.840	0.37	1.47	3.25
2:35	8.2	2.066	0.37	1.70	3.75
2:40	5.9	1.487	0.37	1.12	2.47
2:45	2.0	0.504	0.37	0.13	0.29
2:50	1.8	0.454	0.37	0.08	0.18
2:55	1.8	0.454	0.37	0.08	0.18
3:00	0.6	0.151	0.37	0.00	0.00

Σ Effective Rain
12.20 in/hr

Effective Rain
1.02 in

Flood Volume
0.188 ac-ft

Peak Estimated Flow
3.75 cfs

100-year 3-hour Flood Volume
Subbasin G3.2

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
6D	24.1	0.18	50%	0.053	3.2	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	3.47
0:10	1.3	0.328	0.18	0.14	3.47
0:15	1.1	0.277	0.18	0.09	2.25
0:20	1.5	0.378	0.18	0.19	4.69
0:25	1.5	0.378	0.18	0.19	4.69
0:30	1.8	0.454	0.18	0.27	6.51
0:35	1.5	0.378	0.18	0.19	4.69
0:40	1.8	0.454	0.18	0.27	6.51
0:45	1.8	0.454	0.18	0.27	6.51
0:50	1.5	0.378	0.18	0.19	4.69
0:55	1.0	0.252	0.18	0.07	1.65
1:00	1.8	0.454	0.18	0.27	6.51
1:05	2.2	0.554	0.18	0.37	8.94
1:10	2.2	0.554	0.18	0.37	8.94
1:15	2.2	0.554	0.18	0.37	8.94
1:20	2.0	0.504	0.18	0.32	7.73
1:25	2.6	0.655	0.18	0.47	11.38
1:30	2.7	0.680	0.18	0.50	11.98
1:35	2.4	0.605	0.18	0.42	10.16
1:40	2.7	0.680	0.18	0.50	11.98
1:45	3.3	0.832	0.18	0.65	15.63
1:50	3.1	0.781	0.18	0.60	14.42
1:55	2.9	0.731	0.18	0.55	13.20
2:00	3.0	0.756	0.18	0.57	13.81
2:05	3.1	0.781	0.18	0.60	14.42
2:10	4.2	1.058	0.18	0.87	21.11
2:15	5.0	1.260	0.18	1.08	25.97
2:20	3.5	0.882	0.18	0.70	16.85
2:25	6.8	1.714	0.18	1.53	36.92
2:30	7.3	1.840	0.18	1.66	39.96
2:35	8.2	2.066	0.18	1.88	45.44
2:40	5.9	1.487	0.18	1.30	31.45
2:45	2.0	0.504	0.18	0.32	7.73
2:50	1.8	0.454	0.18	0.27	6.51
2:55	1.8	0.454	0.18	0.27	6.51
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
3.095 ac-ft

Peak Estimated Flow
45.44 cfs

100-year 3-hour Flood Volume
Subbasin G3.3

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
14D	1.0	0.38	100%	0.046	2.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.38	0.00	0.00
0:10	1.3	0.328	0.38	0.00	0.00
0:15	1.1	0.277	0.38	0.00	0.00
0:20	1.5	0.378	0.38	0.00	0.00
0:25	1.5	0.378	0.38	0.00	0.00
0:30	1.8	0.454	0.38	0.08	0.08
0:35	1.5	0.378	0.38	0.00	0.00
0:40	1.8	0.454	0.38	0.08	0.08
0:45	1.8	0.454	0.38	0.08	0.08
0:50	1.5	0.378	0.38	0.00	0.00
0:55	1.0	0.252	0.38	0.00	0.00
1:00	1.8	0.454	0.38	0.08	0.08
1:05	2.2	0.554	0.38	0.18	0.18
1:10	2.2	0.554	0.38	0.18	0.18
1:15	2.2	0.554	0.38	0.18	0.18
1:20	2.0	0.504	0.38	0.13	0.13
1:25	2.6	0.655	0.38	0.28	0.28
1:30	2.7	0.680	0.38	0.30	0.31
1:35	2.4	0.605	0.38	0.23	0.23
1:40	2.7	0.680	0.38	0.30	0.31
1:45	3.3	0.832	0.38	0.45	0.46
1:50	3.1	0.781	0.38	0.40	0.41
1:55	2.9	0.731	0.38	0.35	0.36
2:00	3.0	0.756	0.38	0.38	0.38
2:05	3.1	0.781	0.38	0.40	0.41
2:10	4.2	1.058	0.38	0.68	0.69
2:15	5.0	1.260	0.38	0.88	0.89
2:20	3.5	0.882	0.38	0.50	0.51
2:25	6.8	1.714	0.38	1.34	1.35
2:30	7.3	1.840	0.38	1.46	1.48
2:35	8.2	2.066	0.38	1.69	1.71
2:40	5.9	1.487	0.38	1.11	1.12
2:45	2.0	0.504	0.38	0.13	0.13
2:50	1.8	0.454	0.38	0.08	0.08
2:55	1.8	0.454	0.38	0.08	0.08
3:00	0.6	0.151	0.38	0.00	0.00

Σ Effective Rain
11.98 in/hr

Effective Rain
1.00 in

Flood Volume
0.084 ac-ft

Peak Estimated Flow
1.71 cfs

100-year 3-hour Flood Volume
Subbasin G3.4

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
16A	2.3	0.02	10%	0.021	1.3	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.02	0.31	0.70
0:10	1.3	0.328	0.02	0.31	0.70
0:15	1.1	0.277	0.02	0.26	0.59
0:20	1.5	0.378	0.02	0.36	0.82
0:25	1.5	0.378	0.02	0.36	0.82
0:30	1.8	0.454	0.02	0.43	0.99
0:35	1.5	0.378	0.02	0.36	0.82
0:40	1.8	0.454	0.02	0.43	0.99
0:45	1.8	0.454	0.02	0.43	0.99
0:50	1.5	0.378	0.02	0.36	0.82
0:55	1.0	0.252	0.02	0.23	0.53
1:00	1.8	0.454	0.02	0.43	0.99
1:05	2.2	0.554	0.02	0.53	1.22
1:10	2.2	0.554	0.02	0.53	1.22
1:15	2.2	0.554	0.02	0.53	1.22
1:20	2.0	0.504	0.02	0.48	1.10
1:25	2.6	0.655	0.02	0.63	1.45
1:30	2.7	0.680	0.02	0.66	1.51
1:35	2.4	0.605	0.02	0.58	1.33
1:40	2.7	0.680	0.02	0.66	1.51
1:45	3.3	0.832	0.02	0.81	1.85
1:50	3.1	0.781	0.02	0.76	1.74
1:55	2.9	0.731	0.02	0.71	1.62
2:00	3.0	0.756	0.02	0.73	1.68
2:05	3.1	0.781	0.02	0.76	1.74
2:10	4.2	1.058	0.02	1.04	2.37
2:15	5.0	1.260	0.02	1.24	2.83
2:20	3.5	0.882	0.02	0.86	1.97
2:25	6.8	1.714	0.02	1.69	3.87
2:30	7.3	1.840	0.02	1.82	4.15
2:35	8.2	2.066	0.02	2.05	4.67
2:40	5.9	1.487	0.02	1.47	3.35
2:45	2.0	0.504	0.02	0.48	1.10
2:50	1.8	0.454	0.02	0.43	0.99
2:55	1.8	0.454	0.02	0.43	0.99
3:00	0.6	0.151	0.02	0.13	0.30

Σ Effective Rain
24.29 in/hr

Effective Rain
2.02 in

Flood Volume
0.385 ac-ft

Peak Estimated Flow
4.67 cfs

100-year 3-hour Flood Volume
Subbasin G3.6

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
14C	2.3	0.38	100%	0.043	2.6	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.38	0.00	0.00
0:10	1.3	0.328	0.38	0.00	0.00
0:15	1.1	0.277	0.38	0.00	0.00
0:20	1.5	0.378	0.38	0.00	0.00
0:25	1.5	0.378	0.38	0.00	0.00
0:30	1.8	0.454	0.38	0.08	0.17
0:35	1.5	0.378	0.38	0.00	0.00
0:40	1.8	0.454	0.38	0.08	0.17
0:45	1.8	0.454	0.38	0.08	0.17
0:50	1.5	0.378	0.38	0.00	0.00
0:55	1.0	0.252	0.38	0.00	0.00
1:00	1.8	0.454	0.38	0.08	0.17
1:05	2.2	0.554	0.38	0.18	0.40
1:10	2.2	0.554	0.38	0.18	0.40
1:15	2.2	0.554	0.38	0.18	0.40
1:20	2.0	0.504	0.38	0.13	0.28
1:25	2.6	0.655	0.38	0.28	0.63
1:30	2.7	0.680	0.38	0.30	0.68
1:35	2.4	0.605	0.38	0.23	0.51
1:40	2.7	0.680	0.38	0.30	0.68
1:45	3.3	0.832	0.38	0.45	1.03
1:50	3.1	0.781	0.38	0.40	0.91
1:55	2.9	0.731	0.38	0.35	0.80
2:00	3.0	0.756	0.38	0.38	0.85
2:05	3.1	0.781	0.38	0.40	0.91
2:10	4.2	1.058	0.38	0.68	1.54
2:15	5.0	1.260	0.38	0.88	1.99
2:20	3.5	0.882	0.38	0.50	1.14
2:25	6.8	1.714	0.38	1.34	3.02
2:30	7.3	1.840	0.38	1.46	3.31
2:35	8.2	2.066	0.38	1.69	3.82
2:40	5.9	1.487	0.38	1.11	2.51
2:45	2.0	0.504	0.38	0.13	0.28
2:50	1.8	0.454	0.38	0.08	0.17
2:55	1.8	0.454	0.38	0.08	0.17
3:00	0.6	0.151	0.38	0.00	0.00

Σ Effective Rain
11.98 in/hr

Effective Rain
1.00 in

Flood Volume
0.188 ac-ft

Peak Estimated Flow
3.82 cfs

100-year 3-hour Flood Volume
Subbasin G3.5

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST1	4.9	0.07	39%	0.078	4.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.07	0.26	1.27
0:10	1.3	0.328	0.07	0.26	1.27
0:15	1.1	0.277	0.07	0.21	1.02
0:20	1.5	0.378	0.07	0.31	1.51
0:25	1.5	0.378	0.07	0.31	1.51
0:30	1.8	0.454	0.07	0.39	1.88
0:35	1.5	0.378	0.07	0.31	1.51
0:40	1.8	0.454	0.07	0.39	1.88
0:45	1.8	0.454	0.07	0.39	1.88
0:50	1.5	0.378	0.07	0.31	1.51
0:55	1.0	0.252	0.07	0.19	0.90
1:00	1.8	0.454	0.07	0.39	1.88
1:05	2.2	0.554	0.07	0.49	2.37
1:10	2.2	0.554	0.07	0.49	2.37
1:15	2.2	0.554	0.07	0.49	2.37
1:20	2.0	0.504	0.07	0.44	2.13
1:25	2.6	0.655	0.07	0.59	2.86
1:30	2.7	0.680	0.07	0.61	2.98
1:35	2.4	0.605	0.07	0.54	2.61
1:40	2.7	0.680	0.07	0.61	2.98
1:45	3.3	0.832	0.07	0.77	3.72
1:50	3.1	0.781	0.07	0.71	3.47
1:55	2.9	0.731	0.07	0.66	3.23
2:00	3.0	0.756	0.07	0.69	3.35
2:05	3.1	0.781	0.07	0.71	3.47
2:10	4.2	1.058	0.07	0.99	4.82
2:15	5.0	1.260	0.07	1.19	5.80
2:20	3.5	0.882	0.07	0.82	3.96
2:25	6.8	1.714	0.07	1.65	8.00
2:30	7.3	1.840	0.07	1.77	8.61
2:35	8.2	2.066	0.07	2.00	9.71
2:40	5.9	1.487	0.07	1.42	6.90
2:45	2.0	0.504	0.07	0.44	2.13
2:50	1.8	0.454	0.07	0.39	1.88
2:55	1.8	0.454	0.07	0.39	1.88
3:00	0.6	0.151	0.07	0.08	0.41

Σ Effective Rain
22.66 in/hr

Effective Rain
1.89 in

Flood Volume
0.764 ac-ft

Peak Estimated Flow
9.71 cfs

100-year 3-hour Flood Volume
Subbasin G3.7

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
5E	10.5	0.18	50%	0.045	2.7	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	1.50
0:10	1.3	0.328	0.18	0.14	1.50
0:15	1.1	0.277	0.18	0.09	0.98
0:20	1.5	0.378	0.18	0.19	2.03
0:25	1.5	0.378	0.18	0.19	2.03
0:30	1.8	0.454	0.18	0.27	2.82
0:35	1.5	0.378	0.18	0.19	2.03
0:40	1.8	0.454	0.18	0.27	2.82
0:45	1.8	0.454	0.18	0.27	2.82
0:50	1.5	0.378	0.18	0.19	2.03
0:55	1.0	0.252	0.18	0.07	0.71
1:00	1.8	0.454	0.18	0.27	2.82
1:05	2.2	0.554	0.18	0.37	3.88
1:10	2.2	0.554	0.18	0.37	3.88
1:15	2.2	0.554	0.18	0.37	3.88
1:20	2.0	0.504	0.18	0.32	3.35
1:25	2.6	0.655	0.18	0.47	4.93
1:30	2.7	0.680	0.18	0.50	5.20
1:35	2.4	0.605	0.18	0.42	4.40
1:40	2.7	0.680	0.18	0.50	5.20
1:45	3.3	0.832	0.18	0.65	6.78
1:50	3.1	0.781	0.18	0.60	6.25
1:55	2.9	0.731	0.18	0.55	5.72
2:00	3.0	0.756	0.18	0.57	5.99
2:05	3.1	0.781	0.18	0.60	6.25
2:10	4.2	1.058	0.18	0.87	9.15
2:15	5.0	1.260	0.18	1.08	11.26
2:20	3.5	0.882	0.18	0.70	7.30
2:25	6.8	1.714	0.18	1.53	16.01
2:30	7.3	1.840	0.18	1.66	17.32
2:35	8.2	2.066	0.18	1.88	19.70
2:40	5.9	1.487	0.18	1.30	13.63
2:45	2.0	0.504	0.18	0.32	3.35
2:50	1.8	0.454	0.18	0.27	2.82
2:55	1.8	0.454	0.18	0.27	2.82
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
1.342 ac-ft

Peak Estimated Flow
19.70 cfs

100-year 3-hour Flood Volume
Subbasin G3.9

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
ST2	7.0	0.07	41%	0.201	12.1	10

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:10	2.6	0.328	0.07	0.26	1.82
0:20	2.6	0.328	0.07	0.26	1.82
0:30	3.3	0.416	0.07	0.35	2.44
0:40	3.3	0.416	0.07	0.35	2.44
0:50	3.3	0.416	0.07	0.35	2.44
1:00	3.4	0.428	0.07	0.36	2.52
1:10	4.4	0.554	0.07	0.49	3.41
1:20	4.2	0.529	0.07	0.46	3.23
1:30	5.3	0.668	0.07	0.60	4.21
1:40	5.1	0.643	0.07	0.57	4.03
1:50	6.4	0.806	0.07	0.74	5.18
2:00	5.9	0.743	0.07	0.67	4.74
2:10	7.3	0.920	0.07	0.85	5.98
2:20	8.5	1.071	0.07	1.00	7.04
2:30	14.1	1.777	0.07	1.71	11.99
2:40	14.1	1.777	0.07	1.71	11.99
2:50	3.8	0.479	0.07	0.41	2.88
3:00	2.4	0.302	0.07	0.23	1.64

Σ Effective Rain
11.36 in/hr

Effective Rain
1.89 in

Flood Volume
1.108 ac-ft

Peak Estimated Flow
11.99 cfs

100-year 3-hour Flood Volume
Subbasin G3.8

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
5F	5.3	0.18	50%	0.031	1.9	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.18	0.14	0.77
0:10	1.3	0.328	0.18	0.14	0.77
0:15	1.1	0.277	0.18	0.09	0.50
0:20	1.5	0.378	0.18	0.19	1.03
0:25	1.5	0.378	0.18	0.19	1.03
0:30	1.8	0.454	0.18	0.27	1.44
0:35	1.5	0.378	0.18	0.19	1.03
0:40	1.8	0.454	0.18	0.27	1.44
0:45	1.8	0.454	0.18	0.27	1.44
0:50	1.5	0.378	0.18	0.19	1.03
0:55	1.0	0.252	0.18	0.07	0.36
1:00	1.8	0.454	0.18	0.27	1.44
1:05	2.2	0.554	0.18	0.37	1.97
1:10	2.2	0.554	0.18	0.37	1.97
1:15	2.2	0.554	0.18	0.37	1.97
1:20	2.0	0.504	0.18	0.32	1.71
1:25	2.6	0.655	0.18	0.47	2.51
1:30	2.7	0.680	0.18	0.50	2.65
1:35	2.4	0.605	0.18	0.42	2.24
1:40	2.7	0.680	0.18	0.50	2.65
1:45	3.3	0.832	0.18	0.65	3.45
1:50	3.1	0.781	0.18	0.60	3.18
1:55	2.9	0.731	0.18	0.55	2.91
2:00	3.0	0.756	0.18	0.57	3.05
2:05	3.1	0.781	0.18	0.60	3.18
2:10	4.2	1.058	0.18	0.87	4.66
2:15	5.0	1.260	0.18	1.08	5.73
2:20	3.5	0.882	0.18	0.70	3.72
2:25	6.8	1.714	0.18	1.53	8.15
2:30	7.3	1.840	0.18	1.66	8.82
2:35	8.2	2.066	0.18	1.88	10.03
2:40	5.9	1.487	0.18	1.30	6.94
2:45	2.0	0.504	0.18	0.32	1.71
2:50	1.8	0.454	0.18	0.27	1.44
2:55	1.8	0.454	0.18	0.27	1.44
3:00	0.6	0.151	0.18	0.00	0.00

Σ Effective Rain
18.46 in/hr

Effective Rain
1.54 in

Flood Volume
0.683 ac-ft

Peak Estimated Flow
10.03 cfs

100-year 3-hour Flood Volume
Subbasin G3.10

100-yr 3-hr Point Rain 2.10 in

PA	Area	F	Ap	Lag	Lag	Unit time
	acres	in/hr		hours	minutes	minutes
SB1	4.9	0.33	100%	0.067	4.0	5

Time	3-hour Rainfall Pattern	Rain	Loss Rate	Effective Rain	Estimated Flow
H:MM	5min	in/hr	in/hr	in/hr	cfs
0:05	1.3	0.328	0.33	0.00	0.00
0:10	1.3	0.328	0.33	0.00	0.00
0:15	1.1	0.277	0.33	0.00	0.00
0:20	1.5	0.378	0.33	0.05	0.23
0:25	1.5	0.378	0.33	0.05	0.23
0:30	1.8	0.454	0.33	0.12	0.60
0:35	1.5	0.378	0.33	0.05	0.23
0:40	1.8	0.454	0.33	0.12	0.60
0:45	1.8	0.454	0.33	0.12	0.60
0:50	1.5	0.378	0.33	0.05	0.23
0:55	1.0	0.252	0.33	0.00	0.00
1:00	1.8	0.454	0.33	0.12	0.60
1:05	2.2	0.554	0.33	0.22	1.10
1:10	2.2	0.554	0.33	0.22	1.10
1:15	2.2	0.554	0.33	0.22	1.10
1:20	2.0	0.504	0.33	0.17	0.85
1:25	2.6	0.655	0.33	0.32	1.59
1:30	2.7	0.680	0.33	0.35	1.71
1:35	2.4	0.605	0.33	0.27	1.34
1:40	2.7	0.680	0.33	0.35	1.71
1:45	3.3	0.832	0.33	0.50	2.45
1:50	3.1	0.781	0.33	0.45	2.21
1:55	2.9	0.731	0.33	0.40	1.96
2:00	3.0	0.756	0.33	0.43	2.08
2:05	3.1	0.781	0.33	0.45	2.21
2:10	4.2	1.058	0.33	0.73	3.56
2:15	5.0	1.260	0.33	0.93	4.55
2:20	3.5	0.882	0.33	0.55	2.70
2:25	6.8	1.714	0.33	1.38	6.77
2:30	7.3	1.840	0.33	1.51	7.39
2:35	8.2	2.066	0.33	1.74	8.50
2:40	5.9	1.487	0.33	1.16	5.66
2:45	2.0	0.504	0.33	0.17	0.85
2:50	1.8	0.454	0.33	0.12	0.60
2:55	1.8	0.454	0.33	0.12	0.60
3:00	0.6	0.151	0.33	0.00	0.00

Σ Effective Rain
13.46 in/hr

Effective Rain
1.12 in

Flood Volume
0.458 ac-ft

Peak Estimated Flow
8.50 cfs

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
8A	P3.9	18.51	0.09	2.9	5	2.780
Total		18.51				2.780

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 35,641 sf
Surface Area at Depth 45,279 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	35,641	0.000
1.0	38,725	0.853
2.0	41,938	1.779
3.0	45,279	2.780
4.0	48,747	3.859
5.0	52,344	5.019

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
9	P3.8	9.33	0.06	2.7	5	1.469
Total		9.33				1.469

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 17,924 sf
Surface Area at Depth 24,926 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	17,924	0.000
1.0	20,130	0.437
2.0	22,464	0.925
3.0	24,926	1.469
4.0	27,516	2.071
5.0	30,234	2.733

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
8D	P3.12A	8.68	0.10	2.0	5	1.296
Total		8.68				1.296

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 15,632 sf
Surface Area at Depth 22,209 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	15,632	0.000
1.0	17,696	0.382
2.0	19,888	0.813
3.0	22,209	1.296
4.0	24,657	1.834
5.0	27,234	2.430

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
8C	P3.3	11.51	0.09	3.2	5	1.728
Total		11.51				1.728

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 21,383 sf
Surface Area at Depth 28,978 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	21,383	0.000
1.0	23,786	0.518
2.0	26,318	1.093
3.0	28,978	1.728
4.0	31,765	2.425
5.0	34,681	3.187

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
5B	P3.3b	4.56	0.35	2.9	5	0.412
Total		4.56				0.412

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 4,232 sf
Surface Area at Depth 7,930 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	4,232	0.000
1.0	5,337	0.110
2.0	6,570	0.246
3.0	7,930	0.412
4.0	9,419	0.611
5.0	11,036	0.846

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
8B	P3.2	13.94	0.09	3.7	5	2.110
Total		13.94				2.110

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 26,533 sf
Surface Area at Depth 34,928 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	26,533	0.000
1.0	29,203	0.640
2.0	32,002	1.342
3.0	34,928	2.110
4.0	37,982	2.946
5.0	41,164	3.855

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
5A	P3.2b	5.19	0.34	4.1	5	0.469
Total		5.19				0.469

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 4,937 sf
Surface Area at Depth 8,885 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	4,937	0.000
1.0	6,125	0.127
2.0	7,441	0.282
3.0	8,885	0.469
4.0	10,457	0.691
5.0	12,158	0.950

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
ST1	P3.4	5.12	0.07	4.9	5	0.802
SB1	P3	9.11	0.37	5.6	10	0.769
Total		14.23				1.571

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 19,290 sf
Surface Area at Depth 26,533 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	19,290	0.000
1.0	21,576	0.469
2.0	23,991	0.992
3.0	26,533	1.571
4.0	29,203	2.211
5.0	32,001	2.913

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
ST2	P3.7	5.96	0.07	5.0	5	0.929
ST3	P3.10	3.66	0.09	6.8	10	0.549
ST4	P3.11	3.60	0.08	4.0	5	0.549
SB1	P3.13	6.25	0.28	5.8	10	0.658
Total		19.46				2.686

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 34,356 sf
Surface Area at Depth 43,829 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	34,356	0.000
1.0	37,386	0.823
2.0	40,543	1.717
3.0	43,829	2.686
4.0	47,243	3.731
5.0	50,784	4.856

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
10	P3.12	25.98	0.31	3.4	5	2.563
Total		25.98				2.563

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 32,690 sf
Surface Area at Depth 41,944 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	32,690	0.000
1.0	35,647	0.784
2.0	38,731	1.638
3.0	41,944	2.563
4.0	45,285	3.564
5.0	48,754	4.644

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
1	P3.16	26.73	0.23	14.2	10	3.120
Total		26.73				3.120

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 40,295 sf
Surface Area at Depth 50,507 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	40,295	0.000
1.0	43,571	0.962
2.0	46,975	2.001
3.0	50,507	3.120
4.0	54,167	4.321
5.0	57,954	5.608

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
2A	P3.17	15.84	0.23	4.3	5	1.857
Total		15.84				1.857

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 23,124 sf
Surface Area at Depth 31,000 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	23,124	0.000
1.0	25,621	0.559
2.0	28,247	1.177
3.0	31,000	1.857
4.0	33,881	2.602
5.0	36,890	3.414

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
SB1	P3.18	5.40	0.38	5.1	10	0.448
ST1	P3.20	2.78	0.06	7.8	10	0.433
Total		8.19				0.881

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 10,177 sf
Surface Area at Depth 15,596 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	10,177	0.000
1.0	11,855	0.253
2.0	13,661	0.545
3.0	15,596	0.881
4.0	17,658	1.262
5.0	19,848	1.693

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
6A	P3.14	7.67	0.18	2.4	5	0.983
Total		7.67				0.983

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 11,508 sf
Surface Area at Depth 17,233 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	11,508	0.000
1.0	13,288	0.284
2.0	15,196	0.611
3.0	17,233	0.983
4.0	19,397	1.403
5.0	21,689	1.875

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
SB1	P3.21	5.95	0.26	4.7	5	0.657
Total		5.95				0.657

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 7,303 sf
Surface Area at Depth 11,981 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	7,303	0.000
1.0	8,735	0.184
2.0	10,294	0.402
3.0	11,981	0.657
4.0	13,797	0.953
5.0	15,740	1.292

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
4A	P3.19	21.99	0.18	2.8	5	2.830
Total		21.99				2.830

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 36,326 sf
Surface Area at Depth 46,050 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	36,326	0.000
1.0	39,439	0.869
2.0	42,681	1.812
3.0	46,050	2.830
4.0	49,547	3.927
5.0	53,173	5.106

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
7A	P3.26	26.88	0.12	5.8	10	3.806
Total		26.88				3.806

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 49,716 sf
Surface Area at Depth 60,995 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	49,716	0.000
1.0	53,348	1.183
2.0	57,107	2.450
3.0	60,995	3.806
4.0	65,010	5.252
5.0	69,154	6.792

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
1	S4.1	23.45	0.21	4.4	5	2.870
Total		23.45				2.870

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 36,878 sf
Surface Area at Depth 46,671 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	36,878	0.000
1.0	40,014	0.882
2.0	43,279	1.838
3.0	46,671	2.870
4.0	50,192	3.982
5.0	53,840	5.176

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
2B	P3.23	17.16	0.23	11.0	10	2.004
Total		17.16				2.004

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 25,102 sf
Surface Area at Depth 33,283 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	25,102	0.000
1.0	27,701	0.606
2.0	30,428	1.273
3.0	33,283	2.004
4.0	36,266	2.802
5.0	39,376	3.670

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
SB1	P3.24	6.02	0.37	5.1	10	0.505
Total		6.02				0.505

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 5,379 sf
Surface Area at Depth 9,475 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	5,379	0.000
1.0	6,616	0.137
2.0	7,982	0.305
3.0	9,475	0.505
4.0	11,097	0.741
5.0	12,846	1.015

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
3A	P3.29	20.00	0.20	2.5	5	2.491
Total		20.00				2.491

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 31,706 sf
Surface Area at Depth 40,829 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	31,706	0.000
1.0	34,619	0.761
2.0	37,660	1.590
3.0	40,829	2.491
4.0	44,126	3.466
5.0	47,551	4.518

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
2C	P3.30	16.33	0.23	5.2	10	1.907
Total		16.33				1.907

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 23,792 sf
Surface Area at Depth 31,771 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	23,792	0.000
1.0	26,324	0.575
2.0	28,984	1.210
3.0	31,771	1.907
4.0	34,687	2.669
5.0	37,731	3.500

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
4C	P3.31	18.36	0.18	3.3	5	2.355
Total		18.36				2.355

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 29,852 sf
Surface Area at Depth 38,722 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	29,852	0.000
1.0	32,681	0.718
2.0	35,637	1.501
3.0	38,722	2.355
4.0	41,934	3.280
5.0	45,274	4.281

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
SB1	P3.32	7.69	0.34	7.0	10	0.696
Total		7.69				0.696

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 7,790 sf
Surface Area at Depth 12,603 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	7,790	0.000
1.0	9,266	0.196
2.0	10,871	0.426
3.0	12,603	0.696
4.0	14,463	1.006
5.0	16,451	1.361

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
7A	M3.1	58.66	0.11	5.1	10	8.456
Total		58.66				8.456

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 114,474 sf
Surface Area at Depth 131,290 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	114,474	0.000
1.0	119,951	2.691
2.0	125,557	5.508
3.0	131,290	8.456
4.0	137,152	11.537
5.0	143,141	14.754

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
5D	S7.1	21.63	0.18	4.4	5	2.774
Total		21.63				2.774

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 35,567 sf
Surface Area at Depth 45,196 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	35,567	0.000
1.0	38,649	0.852
2.0	41,858	1.775
3.0	45,196	2.774
4.0	48,661	3.852
5.0	52,255	5.010

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
6C	S7.2	12.22	0.18	2.0	5	1.567
Total		12.22				1.567

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 19,230 sf
Surface Area at Depth 26,463 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	19,230	0.000
1.0	21,513	0.467
2.0	23,924	0.989
3.0	26,463	1.567
4.0	29,130	2.205
5.0	31,924	2.905

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
SB1	S7.3	3.99	0.32	3.8	5	0.387
Total		3.99				0.387

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 3,919 sf
Surface Area at Depth 7,500 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	3,919	0.000
1.0	4,985	0.102
2.0	6,179	0.230
3.0	7,500	0.387
4.0	8,950	0.575
5.0	10,528	0.799

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
12	M3.10	10.87	0.34	1.9	5	0.984
Total		10.87				0.984

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 11,516 sf
Surface Area at Depth 17,244 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	11,516	0.000
1.0	13,298	0.285
2.0	15,207	0.612
3.0	17,244	0.984
4.0	19,409	1.404
5.0	21,702	1.876

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
13	M3.7	1.08	0.38	0.8	5	0.090
Total		1.08				0.090

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 549 sf
Surface Area at Depth 2,250 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	549	0.000
1.0	988	0.017
2.0	1,555	0.046
3.0	2,250	0.090
4.0	3,073	0.151
5.0	4,024	0.232

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
7B	M3.6	30.70	0.12	3.5	5	4.389
Total		30.70				4.389

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 57,770 sf
Surface Area at Depth 69,883 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	57,770	0.000
1.0	61,680	1.371
2.0	65,717	2.833
3.0	69,883	4.389
4.0	74,177	6.042
5.0	78,598	7.796

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
4D	M3.11	12.30	0.18	1.6	5	1.577
Total		12.30				1.577

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 19,360 sf
Surface Area at Depth 26,614 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	19,360	0.000
1.0	21,650	0.470
2.0	24,068	0.995
3.0	26,614	1.577
4.0	29,289	2.218
5.0	32,091	2.922

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
5C	M3.12	12.60	0.18	5.3	10	1.617
Total		12.60				1.617

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 19,896 sf
Surface Area at Depth 27,243 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	19,896	0.000
1.0	22,217	0.483
2.0	24,666	1.021
3.0	27,243	1.617
4.0	29,948	2.273
5.0	32,781	2.993

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
6B	M3.13	18.75	0.17	2.9	5	2.482
Total		18.75				2.482

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 31,578 sf
Surface Area at Depth 40,684 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	31,578	0.000
1.0	34,485	0.758
2.0	37,521	1.584
3.0	40,684	2.482
4.0	43,975	3.453
5.0	47,394	4.502

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
4B	M3.15	23.20	0.18	2.7	5	3.017
Total		23.20				3.017

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 38,879 sf
Surface Area at Depth 48,920 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	38,879	0.000
1.0	42,098	0.929
2.0	45,445	1.934
3.0	48,920	3.017
4.0	52,523	4.181
5.0	56,254	5.429

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
3B	M3.16	23.81	0.19	2.2	5	3.013
Total		23.81				3.013

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 38,823 sf
Surface Area at Depth 48,857 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	38,823	0.000
1.0	42,040	0.928
2.0	45,384	1.931
3.0	48,857	3.013
4.0	52,458	4.175
5.0	56,186	5.422

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
3C	M3.18	10.62	0.20	3.7	5	1.323
Total		10.62				1.323

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 15,983 sf
Surface Area at Depth 22,628 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	15,983	0.000
1.0	18,070	0.391
2.0	20,285	0.831
3.0	22,628	1.323
4.0	25,099	1.871
5.0	27,697	2.476

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
ST5	M3.9	4.89	0.09	2.8	5	0.734
14B	M3.14	6.01	0.37	4.6	5	0.514
ST4	M3.17	8.16	0.08	7.7	10	1.233
11	M3.19	10.19	0.36	2.1	5	0.886
Total		29.26				3.366

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 43,673 sf
Surface Area at Depth 54,281 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	43,673	0.000
1.0	47,081	1.041
2.0	50,617	2.163
3.0	54,281	3.366
4.0	58,072	4.656
5.0	61,992	6.034

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
SB1	M3.20	2.22	0.37	4.6	5	0.188
Total		2.22				0.188

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 1,580 sf
Surface Area at Depth 4,063 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	1,580	0.000
1.0	2,279	0.044
2.0	3,107	0.106
3.0	4,063	0.188
4.0	5,147	0.293
5.0	6,359	0.425

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
6D	G3.2	24.14	0.18	3.2	5	3.095
Total		24.14				3.095

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 39,945 sf
Surface Area at Depth 50,115 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	39,945	0.000
1.0	43,207	0.954
2.0	46,597	1.985
3.0	50,115	3.095
4.0	53,761	4.287
5.0	57,535	5.564

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
5E	G3.7	10.46	0.18	2.7	5	1.342
Total		10.46				1.342

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 16,230 sf
Surface Area at Depth 22,921 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	16,230	0.000
1.0	18,332	0.396
2.0	20,563	0.843
3.0	22,921	1.342
4.0	25,407	1.896
5.0	28,022	2.509

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
5F	G3.8	5.33	0.18	1.9	5	0.683
Total		5.33				0.683

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 7,631 sf
Surface Area at Depth 12,400 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	7,631	0.000
1.0	9,092	0.192
2.0	10,682	0.418
3.0	12,400	0.683
4.0	14,245	0.989
5.0	16,219	1.338

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
ST1	G3.5	4.86	0.07	4.7	5	0.761
ST2	G3.9	7.02	0.07	12.1	10	1.085
SB1	G3.10	4.89	0.33	4.0	5	0.458
Total		16.77				2.304

Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 29,166 sf
Surface Area at Depth 37,939 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	29,166	0.000
1.0	31,962	0.701
2.0	34,887	1.468
3.0	37,939	2.304
4.0	41,120	3.211
5.0	44,428	4.193

100-yr 3-hr Point Rain 2.10 in

PA	Subbasin	Area	F	Lag	Unit Time	Volume
		acres	in/hr	minutes	minutes	acre-ft
16A	G3.4	2.28	0.02	1.3	5	0.383
Total		2.28				0.383

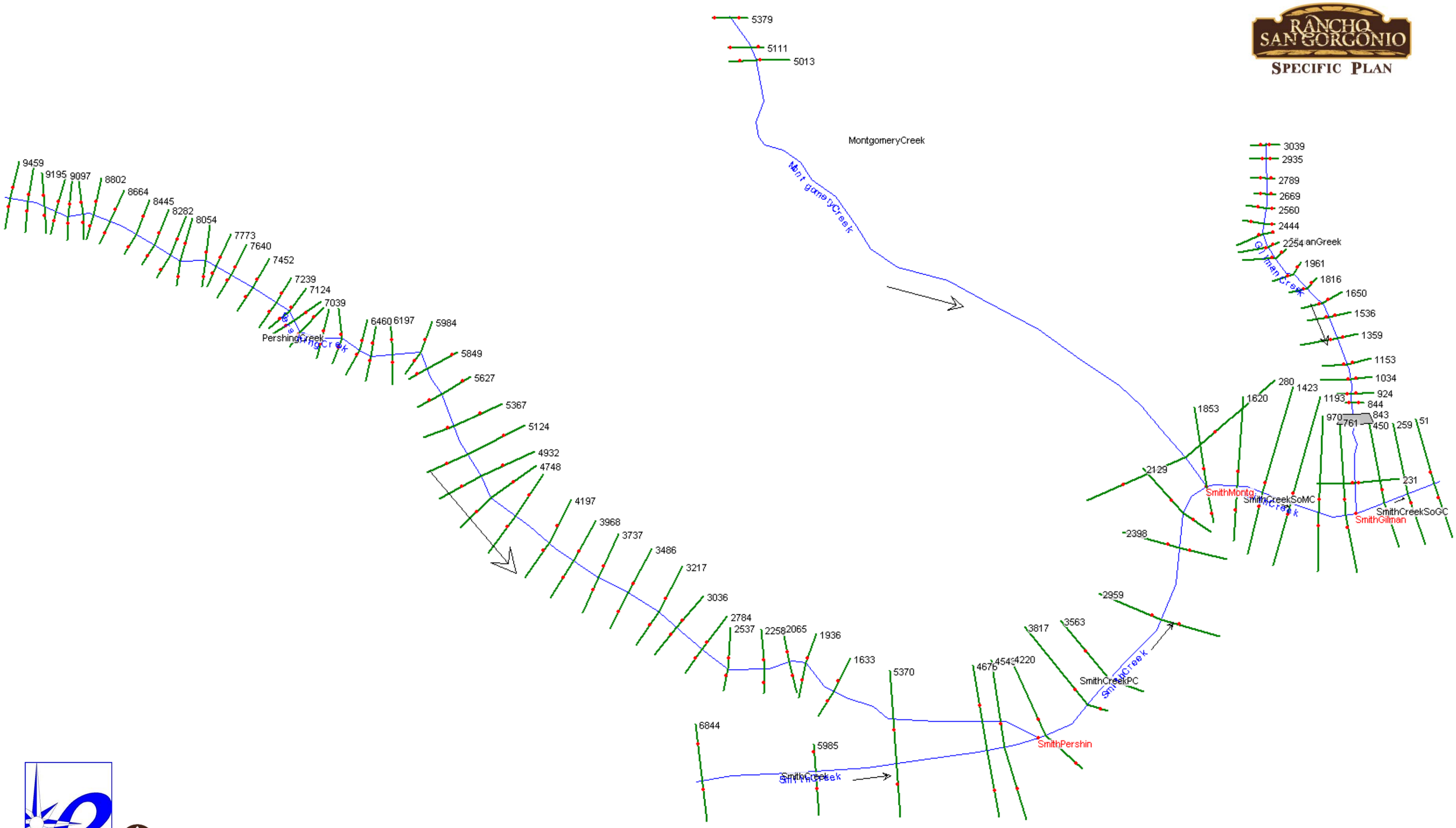
Basin Side Slope 4 :1

Depth to achieve volume 3.0 feet

Bottom Footprint 3,879 sf
Surface Area at Depth 7,444 sf

Depth	Surface Area	Volume
Feet	sf	ac-ft
0.0	3,879	0.000
1.0	4,939	0.101
2.0	6,128	0.228
3.0	7,444	0.383
4.0	8,888	0.571
5.0	10,461	0.792

Appendix H: Proposed Stream Hydraulic Calculations



HEC-RAS Proposed Condition Creek Hydraulics Schematic

```
                    HEC-RAS Version 4.1.0 Jan 2010
                     U.S. Army Corps of Engineers
                    Hydrologic Engineering Center
                          609 Second Street
                          Davis, California


           X     X  XXXXXX    XXXX        XXXX       XX      XXXX
           X     X  X        X    X       X   X     X  X    X
           X     X  X        X            X   X    X    X   X
           XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
           X     X  X        X            X  X     X    X        X
           X     X  X        X    X       X   X    X    X        X
           X     X  XXXXXX    XXXX        X    X   X    X   XXXXX


PROJECT DATA
Project Title: RSG_Prop_Creeks
Project File : RSG_Prop_Creeks.prj
Run Date and Time: 2/5/2015 1:07:19 PM

Project in English units


PLAN DATA

Plan Title: Plan 01
Plan File : p:\102-212\Drainage\HEC-RAS-Prop\RSG_Prop_Creeks.p01

          Geometry Title: ExGeoCombined
          Geometry File : p:\102-212\Drainage\HEC-RAS-Prop\RSG_Prop_Creeks.g01

          Flow Title    : ExFlowCombined
          Flow File     : p:\102-212\Drainage\HEC-RAS-Prop\RSG_Prop_Creeks.f01

Plan Summary Information:
Number of:  Cross Sections =   88    Multiple Openings  =    0
            Culverts       =    1    Inline Structures  =    0
            Bridges        =    0    Lateral Structures =    0

Computational Information
    Water surface calculation tolerance  =  0.01
    Critical depth calculation tolerance =  0.01
    Maximum number of iterations         =  20
    Maximum difference tolerance         =  0.3
    Flow tolerance factor                =  0.001

Computation Options
    Critical depth computed only where necessary
    Conveyance Calculation Method: At breaks in n values only
    Friction Slope Method:         Average Conveyance
    Computational Flow Regime:     Mixed Flow



FLOW DATA

Flow Title: ExFlowCombined
Flow File : p:\102-212\Drainage\HEC-RAS-Prop\RSG_Prop_Creeks.f01

Flow Data (cfs)

  River           Reach           RS                  PF 1
  GilmanCreek     GilmanCreek     3039                3665
  MontgomeryCreek MontgomeryCreek 5379                2183
  MontgomeryCreek MontgomeryCreek 280                 2493
  PershingCreek   PershingCreek   9459                3528
  PershingCreek   PershingCreek   5984                3961
  PershingCreek   PershingCreek   3968                3961
  SmithCreek      SmithCreek      6844                8712
  SmithCreek      SmithCreek      5370                8712
  SmithCreek      SmithCreekPC    4220               11934
  SmithCreek      SmithCreekSoMC  1853               13988
  SmithCreek      SmithCreekSoGC  450                16894


Boundary Conditions

  River           Reach           Profile                       Upstream                Downstream

  GilmanCreek     GilmanCreek     PF 1                            Critical
```

MontgomeryCreek	MontgomeryCreek	PF 1		Critical	
PershingCreek	PershingCreek	PF 1		Critical	
SmithCreek	SmithCreek	PF 1		Critical	
SmithCreek	SmithCreekSoGC	PF 1			Critical

GEOMETRY DATA

Geometry Title: ExGeoCombined
Geometry File : p:\102-212\Drainage\HEC-RAS-Prop\RSG_Prop_Creeks.g01

Reach Connection Table

River	Reach	Upstream Boundary	Downstream Boundary
GilmanCreek	GilmanCreek		SmithGilman
MontgomeryCreek	MontgomeryCreek		SmithMontg
PershingCreek	PershingCreek		SmithPershin
SmithCreek	SmithCreek		SmithPershin
SmithCreek	SmithCreekPC	SmithPershin	SmithMontg
SmithCreek	SmithCreekSoMC	SmithMontg	SmithGilman
SmithCreek	SmithCreekSoGC	SmithGilman	

JUNCTION INFORMATION

Name: SmithMontg
Description:
Energy computation Method

Length across Junction River	Reach		Tributary River	Reach	Length	Angle
SmithCreek	SmithCreekPC	to SmithCreek	SmithCreekSoMC		276.67	0
MontgomeryCreek	MontgomeryCreek	to SmithCreek	SmithCreekSoMC		0	0

Name: SmithGilman
Description:
Energy computation Method

Length across Junction River	Reach		Tributary River	Reach	Length	Angle
SmithCreek	SmithCreekSoMC	to SmithCreek	SmithCreekSoGC		311.58	0
GilmanCreek	GilmanCreek	to SmithCreek	SmithCreekSoGC		0	0

Name: SmithPershin
Description:
Energy computation Method

Length across Junction River	Reach		Tributary River	Reach	Length	Angle
SmithCreek	SmithCreek	to SmithCreek	SmithCreekPC		322.42	0
PershingCreek	PershingCreek	to SmithCreek	SmithCreekPC		0	0

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 3039

INPUT
Description:
Station Elevation Data num= 149

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2271	.89	2271	4.88	2271	5.33	2271	5.34	2271
6.23	2270.85	6.94	2270.74	7.24	2270.7	10.55	2270.72	19.98	2270.72
32.78	2270.98	32.94	2271	33.38	2271.01	35.35	2271.03	35.72	2271.04
37.94	2271.01	38.55	2271	38.6	2270.98	41.78	2270	43.7	2269.34
44.71	2269	47.13	2268.17	47.8	2268	48.91	2267.7	49.25	2267.65
50.04	2267.59	51.39	2267.55	52.9	2267.53	54.21	2267.52	55.63	2267.5
63.32	2267	64.45	2266.37	65.55	2266	66.51	2265.25	66.79	2265
67.59	2264.5	68.53	2264	69.44	2263.52	69.71	2263.39	70.47	2263
71.13	2262.51	71.75	2262	73.03	2261.03	73.08	2261	74.51	2260.25
74.75	2260.14	75.14	2260	75.95	2259.68	76.97	2259.32	77.46	2259.22
78.45	2259	80.38	2258.6	80.77	2258.48	82.99	2258	83.31	2257.93
88.09	2257	88.19	2256.98	88.22	2256.98	88.24	2256.97	88.47	2256.94
88.51	2256.93	92.16	2255.35	94.49	2254.9	96.01	2254.42	99.2	2253.92
102.96	2253.23	112.87	2251.33	113.09	2251.29	114.32	2250.94	117.43	2250
117.81	2250	117.86	2250	119.21	2249.99	125.04	2249.96	126.41	2249.97
132.66	2250	132.99	2250.26	133.89	2251	134.07	2251.13	134.87	2252
136.06	2252.87	136.18	2253	136.35	2253.13	137.31	2254	138.61	2254.92
138.72	2255	139.32	2255.29	141.71	2256	143.42	2256.52	145.11	2257
146.56	2257.72	146.59	2257.76	146.81	2258	147.3	2258.86	147.35	2259
147.92	2259.89	147.95	2260	148.37	2260.53	148.58	2261	149.07	2261.84
149.17	2262	149.67	2262.85	149.75	2263	149.87	2263.18	150.35	2264
150.85	2264.85	150.94	2265	151.45	2265.86	151.53	2266	152.04	2266.88

```
  152.11    2267  152.64 2267.89   152.7    2268  152.99 2268.34  153.31 2268.55
  154.14    2269  161.17 2269.33  162.51 2269.37  164.68 2269.47   167.9 2269.56
  170.22 2269.62  172.43 2269.63  175.85 2269.52  184.49 2269.07  184.65 2269.07
  184.88 2269.06  185.22    2269   185.5    2269   185.8    2269  187.05 2268.99
  187.12 2268.99  187.42 2268.99  188.65    2269  188.85    2269  189.16    2269
  189.23    2269  191.03 2269.12  192.79 2269.21  194.21 2269.21  195.37 2269.23
  196.89 2269.27  207.61 2269.48  208.91 2269.53  211.02  2269.6  212.25 2269.63
  215.31 2269.71  216.02 2269.74  220.14 2269.81  221.46 2269.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   77.46    .027  146.59    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         77.46  146.59              102  103.99  102.89            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2260.28    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.83    Wt. n-Val.                           0.027      0.035
  W.S. Elev (ft)           2258.45    Reach Len. (ft)          102.00     103.99     102.89
  Crit W.S. (ft)           2257.78    Flow Area (sq ft)                   337.81       0.18
  E.G. Slope (ft/ft)      0.004680    Area (sq ft)                        337.81       0.18
  Q Total (cfs)            3665.00    Flow (cfs)                         3664.81       0.19
  Top Width (ft)             66.15    Top Width (ft)                       65.67       0.48
  Vel Total (ft/s)           10.84    Avg. Vel. (ft/s)                     10.85       1.05
  Max Chl Dpth (ft)           8.49    Hydr. Depth (ft)                      5.14       0.38
  Conv. Total (cfs)        53572.6    Conv. (cfs)                        53569.8        2.8
  Length Wtd. (ft)           103.99    Wetted Per. (ft)                     69.07       0.84
  Min Ch El (ft)           2249.96    Shear (lb/sq ft)                      1.43       0.06
  Alpha                       1.00    Stream Power (lb/ft s)    221.46      0.00       0.00
  Frctn Loss (ft)             0.59    Cum Volume (acre-ft)                 12.91       0.00
  C & E Loss (ft)             0.01    Cum SA (acres)              2.09       3.44       0.86


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 2935

INPUT
Description:
Station Elevation Data    num=     163
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2261.07    5.09 2261.04    5.56 2261.04    5.66 2261.04    5.84 2261.07
    5.85 2261.07    7.03 2261.08    7.28 2261.12    8.15 2261.28    8.97  2261.4
   10.08 2261.59   10.67 2261.68   10.74 2261.69   11.21 2261.87   11.67    2262
   12.26 2262.15   15.53    2263   19.78 2263.93   20.04    2264   24.66  2264.4
   26.95 2264.61   30.35 2264.69   33.11 2264.69   33.92 2264.66   35.62 2264.59
    38.4 2264.45   40.24 2264.35   45.46    2264   46.13 2263.67   47.57    2263
    48.1 2262.72   48.24 2262.71   48.46  2262.7   48.88  2262.7   49.32 2262.69
   50.82    2262   50.96 2261.91   52.76    2261   54.54 2260.02   54.58    2260
   54.97 2259.78   56.54    2259   57.99 2258.21   58.17 2258.11   58.37    2258
      60 2257.19   60.67    2257   62.95 2256.46    64.7    2256   66.41 2255.42
   67.86    2255   70.13 2254.19   70.71    2254   72.92 2253.16   73.36    2253
   75.17 2252.29   75.94    2252   76.77 2251.72   78.81    2251    79.6  2250.7
   81.45    2250    82.6 2249.56   84.11    2249   84.61 2248.58   85.57    2248
   85.84 2247.62   86.54    2247   86.88 2246.65   87.44    2246   89.14  2245.4
   89.74 2245.33   90.63 2245.28   91.25 2245.35   91.45 2245.37   93.74 2245.79
   94.63    2246   95.22 2246.54    95.8    2247   96.81 2247.88   97.35 2248.25
   97.64 2248.45   98.42 2249.06   99.85 2250.05   99.94  2250.1  101.25 2251.06
  101.63 2251.35  102.39 2251.99  103.43 2252.76  104.02 2253.21  104.38 2253.47
  104.56  2253.6  104.86 2253.84  105.05    2254  105.08 2254.03  106.31    2255
  107.43 2255.89  107.54    2256   107.6 2256.05  108.79    2257  109.19 2257.38
  109.96    2258  110.49 2258.46  111.16    2259  111.78 2259.53  112.31    2260
  112.67 2260.28  113.52    2261  114.25 2261.64   114.7    2262  115.47 2262.67
  115.77 2262.91  115.88    2263  116.68  2263.7  117.06    2264  117.42  2264.3
  118.24    2265  118.88  2265.5  119.04 2265.57  119.22 2265.62  119.42 2265.66
  119.61 2265.69  120.14 2265.74   120.6 2265.79  121.35  2265.9     122    2266
  122.35    2266  124.92    2266  125.43    2266  125.89 2265.91  128.72 2265.84
  135.17 2265.74   138.6 2265.95  145.71    2266  146.77 2266.01  147.57 2266.01
  150.95 2266.03  153.18 2266.03  153.39 2266.03  154.57 2266.04  157.44 2266.04
  161.89 2266.17  171.06  2266.1  174.38 2266.04   178.3 2266.03  178.41 2266.02
  178.57 2266.02  178.88 2266.02  179.15 2266.02  181.18    2266  182.03    2266
  182.07    2266   182.1    2266  187.87 2265.99  196.44    2266  201.94 2266.06
  202.09 2266.07   202.3 2266.08   202.6 2266.09  202.92  2266.1  203.15 2266.11
  203.61 2266.11  211.04 2266.48  213.09 2266.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   57.99    .027  115.77    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         57.99  115.77           149.78  146.06  147.39            .01      .03
```

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2259.67	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.88	Wt. n-Val.		0.027		
W.S. Elev (ft)	2256.80	Reach Len. (ft)	149.78	146.06	147.39	
Crit W.S. (ft)	2256.80	Flow Area (sq ft)		269.31		
E.G. Slope (ft/ft)	0.007073	Area (sq ft)		269.31		
Q Total (cfs)	3665.00	Flow (cfs)		3665.00		
Top Width (ft)	47.00	Top Width (ft)		47.00		
Vel Total (ft/s)	13.61	Avg. Vel. (ft/s)		13.61		
Max Chl Dpth (ft)	11.52	Hydr. Depth (ft)		5.73		
Conv. Total (cfs)	43580.0	Conv. (cfs)		43580.0		
Length Wtd. (ft)	146.06	Wetted Per. (ft)		53.41		
Min Ch El (ft)	2245.28	Shear (lb/sq ft)		2.23		
Alpha	1.00	Stream Power (lb/ft s)	213.09	0.00	0.00	
Frctn Loss (ft)	1.01	Cum Volume (acre-ft)		12.19	0.00	
C & E Loss (ft)	0.01	Cum SA (acres)	2.09	3.30	0.86	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 2789

INPUT
Description:
Station Elevation Data num= 125

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2261.52	1.15	2261	2.45	2260.44	3.32	2260	5.54	2259.02
5.62	2259	6.02	2258.99	10.01	2258.72	12.83	2258.64	15.56	2258.65
16.98	2258.64	18.57	2258.54	22.1	2258.2	22.5	2258.18	23.15	2258
24.62	2257.68	27.73	2257.07	28.09	2257	31.09	2256.33	32.74	2256
32.95	2255.88	35.28	2255	36.83	2254.29	37.49	2254	38.14	2253.72
39.6	2253	40.72	2252.42	41.71	2252	43.19	2251.29	43.79	2251
44.86	2250.57	46.05	2250	47.15	2249.54	48.27	2249	49.45	2248.51
50.34	2248	52.13	2247.26	52.66	2247	53.1	2246.79	54.84	2246
55.47	2245.71	57	2245	57.91	2244.45	58.13	2244.38	58.52	2244.31
60.26	2244.09	60.86	2244	60.91	2244	70.04	2243.66	71.75	2243.66
76.01	2243.64	76.09	2243.65	76.49	2244	77.13	2244.74	77.45	2245
78.2	2245.73	78.57	2246	79.79	2246.25	87.66	2247.78	88.37	2248
89.16	2248.39	90.34	2249	91.67	2249.71	92.19	2250	93.75	2250.8
94.08	2251	94.43	2251.21	95.84	2252	96.31	2252.29	97.59	2253
98.16	2253.35	99.3	2254	100.33	2254.65	100.89	2255	102.02	2255.71
102.48	2256	103.71	2256.78	104.06	2257	105.4	2257.85	105.64	2258
105.74	2258.06	107.11	2258.93	107.22	2259	108.42	2259.76	108.84	2260
108.95	2260.06	110.61	2261	111.1	2261.27	112.38	2262	113.28	2262.61
113.99	2263	114.5	2263.05	114.58	2263.06	114.65	2263.05	114.8	2263.04
114.89	2263	119.91	2262.4	120.68	2262.38	121.14	2262.34	121.53	2262.32
122.59	2262.27	123.49	2262.28	123.87	2262.26	124.22	2262.25	125.23	2262.28
125.35	2262.28	126.18	2262.24	126.84	2262.22	135.83	2262.27	144.25	2262.27
145.22	2262.25	157.12	2262.77	157.33	2262.77	157.61	2262.77	158	2262.79
158.88	2262.83	158.98	2262.84	159.9	2262.86	161.71	2262.86	162.69	2262.93
172.35	2262.88	173.99	2262.88	175.83	2262.86	177.91	2262.84	184.61	2262.04

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	27.73	.027	105.74	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
27.73	105.74	119.52	119.49	122.63	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2257.65	Element	Left OB	Channel	Right OB	
Vel Head (ft)	8.39	Wt. n-Val.		0.027		
W.S. Elev (ft)	2249.26	Reach Len. (ft)	119.52	119.49	122.63	
Crit W.S. (ft)	2251.82	Flow Area (sq ft)		157.67		
E.G. Slope (ft/ft)	0.034228	Area (sq ft)		157.67		
Q Total (cfs)	3665.00	Flow (cfs)		3665.00		
Top Width (ft)	43.11	Top Width (ft)		43.11		
Vel Total (ft/s)	23.24	Avg. Vel. (ft/s)		23.24		
Max Chl Dpth (ft)	5.62	Hydr. Depth (ft)		3.66		
Conv. Total (cfs)	19809.8	Conv. (cfs)		19809.8		
Length Wtd. (ft)	119.49	Wetted Per. (ft)		45.71		
Min Ch El (ft)	2243.64	Shear (lb/sq ft)		7.37		

Alpha	1.00	Stream Power (lb/ft s)	184.61	0.00	0.00
Frctn Loss (ft)	1.95	Cum Volume (acre-ft)		11.47	0.00
C & E Loss (ft)	0.06	Cum SA (acres)	2.09	3.15	0.86

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.
Note: Program found supercritical flow starting at this cross section.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 2669

INPUT
Description:
Station Elevation Data num= 139

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2251.26	17.97	2252	18.74	2252.38	20.01	2253	21.45	2253.77
21.95	2254	24.03	2254.01	27.88	2254.02	27.93	2254.02	29.27	2254.01
33.36	2254	34.03	2253.61	35.27	2253	35.79	2252.69	36.76	2252
36.95	2251.89	38.34	2251	39.43	2250.25	39.88	2250	39.89	2250
41.28	2249	41.94	2248.38	42.39	2248	42.99	2247.44	43.42	2247
43.52	2246.91	44.47	2246	45.41	2245.11	45.57	2245	47.04	2244.14
47.18	2244.07	47.36	2244	48.35	2243.9	48.58	2243.89	49.3	2243.97
49.59	2244	49.69	2244	49.83	2244	49.92	2244	50.02	2244
50.09	2244	50.63	2243.73	51.59	2243.18	51.93	2243	56.95	2242.37
61.37	2242.32	61.62	2242.3	64.79	2242.25	68.01	2242.31	69.97	2242.32
72.71	2242.69	74.91	2243	76.08	2243.3	76.78	2243.49	78.49	2244
80.19	2244.34	84.51	2245	84.58	2245.04	86.51	2246	87.17	2246.51
87.86	2247	88.52	2247.53	89.23	2248	89.73	2248.35	90.63	2249
90.92	2249.2	91.41	2249.55	92	2250	92.64	2250.49	93.54	2251
94.79	2251.43	96.27	2252	97.98	2252.58	99.23	2253	101.77	2253.88
102.14	2254	102.9	2254.25	103.25	2254.39	104.67	2255	105.97	2255.66
106.6	2256	106.69	2256.05	108.2	2256.63	108.95	2256.92	108.98	2256.93
109.15	2257	109.93	2257.32	111.05	2257.78	111.06	2257.78	111.55	2258
112.72	2258.01	116.84	2258.03	118.39	2258.03	122.29	2258	122.85	2257.35
123.14	2257	123.79	2256.25	123.98	2256	124.69	2255.03	124.72	2255
124.98	2254.68	125.62	2254	126.05	2253.54	126.57	2253.08	126.64	2253
126.72	2252.93	127.76	2252	128.51	2251.18	128.72	2251	130.02	2250.48
130.37	2250.27	130.55	2250	132.36	2249.8	132.65	2249.78	134.23	2249.58
136.26	2249.67	139.4	2249.9	139.47	2249.9	140.02	2250	141.32	2250.28
144.55	2251	148.04	2251.96	148.1	2251.98	148.11	2251.98	148.13	2252
148.13	2252.01	149.17	2253	149.94	2253.82	150.14	2254	150.31	2254.17
151.07	2255	151.34	2255.41	151.93	2256	152.8	2256.88	152.9	2257
152.98	2257.09	153.74	2258	158.82	2258.17	162.91	2258.3		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	27.88	.027	111.06	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
27.88	111.06	107.48	108.95	103.44	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2254.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	6.69	Wt. n-Val.		0.027	
W.S. Elev (ft)	2247.44	Reach Len. (ft)	107.48	108.95	103.44
Crit W.S. (ft)	2249.51	Flow Area (sq ft)		176.54	
E.G. Slope (ft/ft)	0.025029	Area (sq ft)		176.54	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	45.42	Top Width (ft)		45.42	
Vel Total (ft/s)	20.76	Avg. Vel. (ft/s)		20.76	
Max Chl Dpth (ft)	5.19	Hydr. Depth (ft)		3.89	
Conv. Total (cfs)	23166.0	Conv. (cfs)		23166.0	
Length Wtd. (ft)	108.95	Wetted Per. (ft)		47.95	
Min Ch El (ft)	2242.25	Shear (lb/sq ft)		5.75	
Alpha	1.00	Stream Power (lb/ft s)	162.91	0.00	0.00
Frctn Loss (ft)	3.48	Cum Volume (acre-ft)		11.01	0.00
C & E Loss (ft)	0.05	Cum SA (acres)	2.09	3.03	0.86

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek

```
REACH: GilmanCreek        RS: 2560

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2251.59     .08  2251.6     1.8    2251     4.5 2250.96    8.02 2250.95
    9.85 2250.97    12.5 2250.98   13.61 2250.99   14.94    2251   15.77 2251.02
   17.33 2251.05   19.05 2251.02   20.12 2251.08   20.33 2251.09   20.34 2251.09
   20.48    2251   20.54 2250.93   22.37 2250.37   23.84    2250   26.03 2249.47
   27.86    2249   28.23  2248.8    29.6    2248   30.27 2247.49   30.84    2247
   31.64 2246.32   32.01    2246   32.98 2245.23   33.22    2245   34.44 2244.05
    34.5    2244   34.65 2243.87   35.94    2243   36.92 2242.32   37.28    2242
   38.09  2241.6   38.42 2241.44   39.29    2241   40.21 2240.42   41.18  2239.9
    42.2 2239.36   44.33 2238.69   51.86 2238.74   52.35 2238.75   56.53 2239.91
   56.68 2239.91   57.18  2240.1   58.21 2240.43   59.85    2241   60.61 2241.23
   63.65    2242   63.84    2242   66.42  2242.1   72.01 2242.28   86.22 2242.66
   86.83 2242.67    91.7 2242.78   91.76 2242.78   91.81 2242.79   91.94 2242.79
   91.98 2242.79   95.38    2243   95.41    2243   95.43    2243   97.43    2243
   99.07    2243  101.32    2243  102.25 2243.36  104.35    2244  108.47 2244.87
  110.13    2245  113.23  2245.6  115.07 2245.98  115.18    2246  116.23 2246.35
  118.19    2247   119.7 2247.74  120.28    2248  120.45 2248.14  120.87 2248.49
  121.54    2249  121.87 2249.41  122.22  2249.8  122.35    2250  122.61 2250.33
  123.18    2251  123.21 2251.03  124.11    2252  124.43 2252.32  125.08    2253
  125.37 2253.33  126.04    2254  126.38 2254.26   127.4    2255  128.47 2255.02
  129.39 2255.02  129.55 2255.03  129.77 2255.03  131.93 2255.24  134.45 2255.44
  135.26 2255.47  140.42 2255.53  141.18 2255.56  143.34 2255.62  146.05  2255.7
  147.31 2255.75  149.21 2255.83  153.01 2255.99  153.02 2255.99  153.03 2255.99
  153.16    2256  163.51 2256.28  166.36 2256.35   168.8 2256.39  192.08 2256.75
     199 2256.86  210.47    2257  210.48    2257   210.5    2257  223.12 2257.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   20.12    .027  129.55    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         20.12  129.55           118.77   116.3  120.85            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2250.66    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               6.51    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2244.15    Reach Len. (ft)          118.77     116.30     120.85
  Crit W.S. (ft)           2246.04    Flow Area (sq ft)                   179.02
  E.G. Slope (ft/ft)      0.041757    Area (sq ft)                        179.02
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             70.75    Top Width (ft)                       70.75
  Vel Total (ft/s)           20.47    Avg. Vel. (ft/s)                     20.47
  Max Chl Dpth (ft)           5.46    Hydr. Depth (ft)                      2.53
  Conv. Total (cfs)        17935.2    Conv. (cfs)                       17935.2
  Length Wtd. (ft)           116.30    Wetted Per. (ft)                     72.89
  Min Ch El (ft)           2238.69    Shear (lb/sq ft)                      6.40
  Alpha                       1.00    Stream Power (lb/ft s)    223.12       0.00       0.00
  Frctn Loss (ft)             3.47    Cum Volume (acre-ft)                 10.57       0.00
  C & E Loss (ft)             0.01    Cum SA (acres)              2.09       2.88       0.86


Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 2444

INPUT
Description:
Station Elevation Data    num=      69
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2251    1.03    2251    1.56 2250.86    4.78 2250.04    4.95    2250
    9.14 2249.64   12.41 2249.44   14.21 2249.35   14.87 2249.26   16.78    2249
   19.12 2248.29   20.32    2248   21.11 2247.77   25.13    2247   25.29 2246.79
    26.1    2246    26.5  2245.5   26.88    2245   27.24 2244.34   27.47    2244
   28.01  2243.2   28.18    2243   28.34 2242.81   28.94    2242   29.53 2241.18
   29.65    2241   29.78 2240.86   30.44    2240   32.14 2239.13   32.26    2239
   34.99  2238.1   35.31    2238   35.44    2238   35.54    2238   35.66    2238
    35.7    2238   38.81 2237.96   40.99 2237.97   43.27 2237.97   46.81    2238
   51.77 2238.04   52.06 2238.04   52.89 2238.03   60.78  2238.1   60.83  2238.1
   61.34  2238.1    61.9 2238.11   62.14 2238.22   63.73 2238.32   69.23 2238.77
   69.27 2238.77   78.14 2239.32   79.43 2239.68   80.53 2239.74   81.28 2239.78
      83    2240   84.89 2240.17   88.33 2240.49   89.49 2240.62   93.35    2241
   98.61 2241.48  102.22  2241.8  103.02 2241.87  103.43 2241.91  104.54    2242
     110    2243     1262250.552     160  2266.6     200  2266.6

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   14.87    .027     126    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         14.87     126             61.49   79.26  140.11            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2247.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.53    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2246.93    Reach Len. (ft)            61.49     79.26     140.11
  Crit W.S. (ft)           2243.49    Flow Area (sq ft)                    628.70
  E.G. Slope (ft/ft)      0.000944    Area (sq ft)                         628.70
  Q Total (cfs)            3665.00    Flow (cfs)                          3665.00
  Top Width (ft)             93.13    Top Width (ft)                       93.13
  Vel Total (ft/s)            5.83    Avg. Vel. (ft/s)                      5.83
  Max Chl Dpth (ft)           8.97    Hydr. Depth (ft)                      6.75
  Conv. Total (cfs)       119281.2    Conv. (cfs)                        119281.2
  Length Wtd. (ft)           79.26    Wetted Per. (ft)                     98.22
  Min Ch El (ft)           2237.96    Shear (lb/sq ft)                      0.38
  Alpha                       1.00    Stream Power (lb/ft s)    200.00      0.00       0.00
  Frctn Loss (ft)             0.07    Cum Volume (acre-ft)                  9.49       0.00
  C & E Loss (ft)             0.00    Cum SA (acres)              2.09      2.66       0.86


Note:    Hydraulic jump has occurred between this cross section and the previous upstream section.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 2365

INPUT
Description:
Station Elevation Data    num=     107
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2251.21     .33 2251.22     .36 2251.22     .45 2251.21    1.64    2251
    2.47  2250.8    7.88    2250    8.31  2249.9   12.08 2249.29   12.15 2249.28
    13.9    2249   15.07 2248.63   17.57    2248   19.12 2247.61    21.5    2247
   23.67 2246.44   25.34    2246   27.31 2245.39   28.54    2245   30.21 2244.13
    30.4    2244   31.01 2243.67   32.09    2243   32.42  2242.8   33.52 2242.22
   33.88    2242   34.49 2241.63   35.39    2241   36.39 2240.87   41.55    2240
   42.61 2239.84   46.15    2239    46.8  2238.6   47.86    2238   48.72 2237.54
   49.61    2237    55.5 2236.23   55.89 2236.15   56.97    2236   57.88    2236
   60.05    2236   61.98    2236   62.37    2236   71.28 2236.78   77.85  2237.9
   78.75 2238.04   79.58 2238.16   86.04  2238.8   89.92 2239.29   101.4    2241
  112.56 2241.99  112.85    2242  112.92 2242.03  114.44    2243  114.87 2243.56
  115.46    2244  116.11 2244.61  116.53    2245  117.54 2245.99  117.56    2246
  118.86 2246.97  118.89 2246.98  118.92    2247  120.19 2247.71  120.83    2248
  121.02 2248.08  123.17    2249  124.24 2249.44   125.5    2250  127.96 2250.48
  128.88    2251  134.51 2251.27  135.89 2251.33  137.07 2251.38  137.12 2251.39
  137.17 2251.39  146.33    2252  147.53 2252.09  155.09 2252.64  159.35 2252.95
  160.13    2253  161.82 2253.11  167.99 2253.44  176.22    2254  184.19 2254.57
  187.98 2254.88  189.71    2255  200.29 2255.79  202.74 2255.98  202.97    2256
  206.17 2256.17  208.77  2256.3  214.25 2256.62  221.17    2257  227.28 2257.28
  234.66  2257.6  243.97    2258   248.3  2258.2  249.09 2258.23  250.51 2258.29
  254.43 2258.45  256.87 2258.53  270.05    2259  291.93 2259.92  293.63    2260
  300.61 2260.31  306.52 2260.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   12.08    .027  118.89    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         12.08  118.89             95.42  111.04  107.38            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2247.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.44    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2246.94    Reach Len. (ft)            95.42     111.04     107.38
  Crit W.S. (ft)                      Flow Area (sq ft)                    686.60
  E.G. Slope (ft/ft)      0.000735    Area (sq ft)                         686.60
  Q Total (cfs)            3665.00    Flow (cfs)                          3665.00
  Top Width (ft)             97.10    Top Width (ft)                       97.10
  Vel Total (ft/s)            5.34    Avg. Vel. (ft/s)                      5.34
  Max Chl Dpth (ft)          10.94    Hydr. Depth (ft)                      7.07
  Conv. Total (cfs)       135176.2    Conv. (cfs)                        135176.2
  Length Wtd. (ft)          111.04    Wetted Per. (ft)                    101.47
  Min Ch El (ft)           2236.00    Shear (lb/sq ft)                      0.31
  Alpha                       1.00    Stream Power (lb/ft s)    306.52      0.00       0.00
  Frctn Loss (ft)             0.19    Cum Volume (acre-ft)                  8.29       0.00
  C & E Loss (ft)             0.03    Cum SA (acres)              2.09      2.49       0.86


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
```

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 2254

INPUT
Description:
Station Elevation Data num= 111

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2250.6	4.1	2251	6.51	2251.04	8.14	2251.06	13.28	2251.15
19.12	2251.24	19.13	2251.24	28.58	2251.08	33.51	2251	34.92	2250.66
37.65	2250	39.55	2249.6	45.04	2249.13	46.69	2249	51.22	2248.67
51.39	2248.66	54.44	2248	55.53	2247.67	57.69	2247	59.52	2246.38
60.71	2246	63.19	2245.21	63.84	2245	66.54	2244.11	66.89	2244
68.21	2243.59	69.89	2243.02	69.93	2243	69.98	2242.98	72.64	2242
74.14	2241.44	75.24	2241	75.39	2240.95	77.8	2240	78.44	2239.79
80.55	2239	81.73	2238.65	83.49	2238	85.21	2237.48	85.75	2237
86.66	2236.55	87.63	2236	89.25	2235.21	89.62	2235	90.34	2234.71
90.8	2234.63	91.68	2234.54	94.65	2234.34	95.12	2234.3	97.02	2234.22
98.26	2234.18	99.24	2234.17	99.71	2234.2	100.07	2234.3	100.86	2235
102.11	2235.92	102.19	2236	102.25	2236.06	104.51	2237	105.94	2237.59
106.32	2238	106.6	2238.48	107.19	2239	107.5	2239.65	107.79	2240
108.38	2240.93	108.43	2241	109.16	2241.78	109.29	2242	109.42	2242.14
109.88	2242.96	109.9	2243	109.96	2243.1	110.7	2244	111.21	2244.74
111.45	2245	111.51	2245.09	112.22	2246	112.4	2246.23	113	2247
113.28	2247.39	113.75	2248	114.19	2248.64	114.46	2249	114.78	2249.42
115.06	2250	115.49	2250.19	116.4	2251	121.85	2251.25	129.55	2252
144.99	2252.98	145.24	2253	145.71	2253.03	162.46	2254	175.75	2254.74
180.06	2255	192.32	2255.72	196.85	2256	204.14	2256.44	214.36	2257
229.46	2257.64	236.88	2258	246.51	2258.32	263.85	2258.83	269.63	2259
283.75	2259.35	291.72	2259.54	296.39	2259.65	310.51	2260	318.2	2260.21
321.32	2260.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	51.22	.027	109.88	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
51.22	109.88	90.36	91.28	88.48	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2247.17	Element			
Vel Head (ft)	3.02	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2244.16	Reach Len. (ft)	90.36	91.28	88.48
Crit W.S. (ft)	2244.16	Flow Area (sq ft)		262.91	0.55
E.G. Slope (ft/ft)	0.006850	Area (sq ft)		262.91	0.55
Q Total (cfs)	3665.00	Flow (cfs)		3664.02	0.98
Top Width (ft)	44.42	Top Width (ft)		43.49	0.93
Vel Total (ft/s)	13.91	Avg. Vel. (ft/s)		13.94	1.78
Max Chl Dpth (ft)	9.99	Hydr. Depth (ft)		6.05	0.59
Conv. Total (cfs)	44283.4	Conv. (cfs)		44271.6	11.8
Length Wtd. (ft)	91.28	Wetted Per. (ft)		49.12	1.52
Min Ch El (ft)	2234.17	Shear (lb/sq ft)		2.29	0.15
Alpha	1.00	Stream Power (lb/ft s)	321.32	0.00	0.00
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		7.08	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	2.09	2.31	0.86

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 2162

INPUT
Description:
Station Elevation Data num= 150

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2250.64	3.6	2250.63	8.07	2251	8.13	2251.07	8.16	2251.07
8.99	2251.07	10.14	2251	15.51	2250.93	20.42	2250.92	22.75	2250.95
25.68	2250.96	30.39	2251	30.4	2251.04	30.43	2251.04	30.59	2251.04

```
   30.73    2251   31.48 2250.77   33.31    2250   37.48 2249.51   41.47 2249.04
   42.71    2249   42.98    2249   43.96 2248.89   45.32 2248.68   47.81    2248
    50.4 2247.19   50.99    2247   54.36 2246.05   54.51    2246   55.39 2245.76
   57.56    2245   58.09 2244.83   61.11    2244   61.17 2243.98    64.3    2243
   64.54 2242.92    67.3    2242   68.71 2241.61   70.74    2241   73.69 2240.16
   74.23    2240   74.97 2239.79   77.63 2239.26   79.05    2239   79.34    2239
   79.47    2239   81.53 2238.85   83.82 2238.71   88.71 2238.23   89.48 2238.16
   91.13    2238   92.12 2237.93   93.08 2237.86   95.66  2237.7   96.42 2237.64
   96.99 2237.57   97.63    2237   98.37 2236.65   99.76    2236  100.88 2235.27
  101.06    2235   101.7 2234.71  103.66    2234  104.39 2233.46  105.25    2233
  106.74  2232.2  107.46 2232.16  108.64 2232.23  113.49 2232.67  114.17 2232.73
  114.77 2232.76  115.53 2232.81  116.02 2232.86  116.28 2232.88  116.64    2233
  118.23 2233.97  118.28    2234  118.31 2234.03  119.14 2234.52  119.55  2234.8
  119.85    2235  120.83 2235.65  121.33    2236  121.76 2236.28  122.82    2237
   123.5  2237.5  124.26    2238  125.63 2238.99  125.64    2239  125.67 2239.01
  128.71    2240   129.6  2240.9  129.73    2241  129.86  2241.1  131.07 2241.97
  131.11    2242  131.98 2242.68  132.42    2243  133.63 2243.86  133.74 2243.93
  133.78 2243.95  133.89    2244  134.16 2244.19  135.43    2245  135.98 2245.46
  136.62    2246  136.78 2246.14  136.91 2246.25  137.51 2246.73  137.85    2247
   137.9 2247.04   138.4 2247.37   138.9 2247.74  139.27    2248  139.76 2248.41
   139.8 2248.43  139.89 2248.41  140.76 2248.91  143.49 2248.79  144.56 2248.78
  145.63 2248.82   148.4    2249  150.42 2249.08  151.04  2249.1  152.93 2249.18
  154.33 2249.27  155.99 2249.34  159.53 2249.55  161.04 2249.66  165.58    2250
  179.38 2250.96  179.96    2251  180.06 2251.01  192.67    2252  202.61  2252.7
   206.6    2253  213.82  2253.5  216.53 2253.67  222.29    2254  227.68 2254.27
   241.6    2255  250.69 2255.45  262.35    2256  284.93 2256.89  288.43    2257
  292.68 2257.14  297.66 2257.29  304.55 2257.47  326.55    2258  355.79 2258.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   37.48    .027  129.86    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         37.48  129.86           164.55  201.48  186.31            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2246.02    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               6.27    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2239.74    Reach Len. (ft)          164.55     201.48     186.31
  Crit W.S. (ft)           2241.68    Flow Area (sq ft)                   182.32
  E.G. Slope (ft/ft)      0.027846    Area (sq ft)                        182.32
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             52.69    Top Width (ft)                       52.69
  Vel Total (ft/s)           20.10    Avg. Vel. (ft/s)                     20.10
  Max Chl Dpth (ft)           7.58    Hydr. Depth (ft)                      3.46
  Conv. Total (cfs)        21962.9    Conv. (cfs)                        21962.9
  Length Wtd. (ft)          201.48    Wetted Per. (ft)                     56.30
  Min Ch El (ft)           2232.16    Shear (lb/sq ft)                      5.63
  Alpha                       1.00    Stream Power (lb/ft s)    355.79       0.00       0.00
  Frctn Loss (ft)             1.12    Cum Volume (acre-ft)                  6.62
  C & E Loss (ft)             0.03    Cum SA (acres)              2.09       2.21       0.85


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.
Note:    Program found supercritical flow starting at this cross section.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 1961

INPUT
Description:
Station Elevation Data    num=     101
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2249.99    1.51    2250    2.34 2250.01    3.43 2250.01    5.17    2250
    5.31    2250    5.45    2250    5.71 2249.99   15.26 2249.88    25.1    2250
   25.21    2250    25.6 2250.01   25.72 2250.01      26    2250   27.25 2249.54
   29.24    2249   31.43  2248.3   32.26    2248   34.23 2247.32   35.01    2247
   36.45 2246.68   38.92    2246   43.67 2245.09   44.12 2245.01   44.18    2245
    44.3 2244.99   52.66    2244   58.24 2243.42   63.02    2243   65.94 2242.75
   74.11    2242    75.5  2241.4   76.56    2241   77.49 2240.53    78.5    2240
   79.62 2239.43   80.55    2239   81.48 2238.49    82.3    2238    83.4 2237.45
   84.31    2237    85.5 2236.41   86.27    2236   87.22 2235.52   88.47    2235
   90.07 2234.15    90.4    2234   103.2    2228   108.4    2228   116.9    2228
     131    2231  136.01 2231.52  136.77 2231.53  137.59 2231.55  144.27    2232
  144.53 2232.07  144.64 2232.12  145.15 2232.36  146.25    2233  147.48 2233.79
   147.8    2234  148.51 2234.39  149.48    2235  150.41 2235.53  150.78 2235.76
  151.17    2236  152.42 2236.72  152.83    2237  153.68 2237.57  154.25    2238
   154.8 2238.44  155.53    2239  156.29 2239.62  156.86    2240  157.86 2240.68
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  158.15 2240.82  158.51    2241  159.13 2241.31  159.82 2241.64  160.34 2241.86
  160.74    2242   161.9 2242.44  163.54    2243  163.62 2243.03  163.88 2243.11
  164.99 2243.54  165.32 2243.73  165.83    2244  165.96    2244  166.22 2244.01
  169.61  2244.1   178.4 2244.35  181.81 2244.45  184.26 2244.53  199.55    2245
  206.47 2245.18  233.38    2246   236.5 2246.11  259.57    2247  270.68 2247.59
  274.45 2247.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   43.67    .027  150.78    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         43.67  150.78           159.91   145.1  155.03            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2240.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               6.82    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2233.19    Reach Len. (ft)           159.91     145.10     155.03
  Crit W.S. (ft)           2235.24    Flow Area (sq ft)                    174.84
  E.G. Slope (ft/ft)      0.031954    Area (sq ft)                         174.84
  Q Total (cfs)            3665.00    Flow (cfs)                          3665.00
  Top Width (ft)             54.40    Top Width (ft)                        54.40
  Vel Total (ft/s)           20.96    Avg. Vel. (ft/s)                      20.96
  Max Chl Dpth (ft)           5.19    Hydr. Depth (ft)                       3.21
  Conv. Total (cfs)        20502.7    Conv. (cfs)                         20502.7
  Length Wtd. (ft)           145.11   Wetted Per. (ft)                      56.21
  Min Ch El (ft)           2228.00    Shear (lb/sq ft)                       6.20
  Alpha                       1.00    Stream Power (lb/ft s)    274.45       0.00       0.00
  Frctn Loss (ft)             6.00    Cum Volume (acre-ft)                   5.79
  C & E Loss (ft)             0.01    Cum SA (acres)              2.09       1.96       0.85


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 1816

INPUT
Description:
Station Elevation Data    num=      96
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2249.01     .14 2249.01    4.02    2249    5.02    2249    5.18    2249
   11.23    2249   12.97    2249   13.41    2249   13.82    2249   14.36    2249
    14.6 2249.01    14.9 2249.03   15.23 2249.02   15.67    2249   17.98 2248.06
   18.13    2248   20.58    2247    20.6    2247   20.68 2246.96   23.13    2246
   25.45 2245.24   26.07    2245   28.67 2244.07   28.85    2244   30.17 2243.53
   31.57    2243   31.67 2242.96   34.23    2242   35.84 2241.82   41.64    2241
   52.14 2240.09   53.27    2240    56.8 2239.51   57.52 2239.41   57.97 2239.34
   58.96  2239.2    60.3    2239   60.73 2238.92   60.95 2238.87   61.72 2238.66
   61.95  2238.6    64.1    2238   64.29 2237.95   67.53    2237   70.17 2236.28
   71.19    2236   72.59 2235.59  107.31 2226.75   116.9    2225  124.28    2235
  124.86 2235.71  125.12    2236  125.25 2236.24  126.19    2237  126.48 2237.28
  127.13    2238  127.75 2238.64  128.24    2239  128.55 2239.39  129.24    2240
  130.04 2240.87  130.18    2241  131.04 2241.96  131.09    2242  131.21    2242
  131.57    2242  132.12    2242  133.46    2242  134.06    2242  134.55    2242
  135.57    2242  135.58    2242  135.65    2242  136.54    2242  137.41    2242
  139.87 2241.95  140.43 2241.95  145.16 2241.86  147.65 2241.88  151.59 2241.89
     152 2241.89  152.82  2241.9  153.83  2241.9  157.55 2241.97  158.59    2242
  159.54 2242.05  163.23 2242.24   173.1 2242.75  178.69    2243  190.14 2243.52
  200.86    2244  212.98 2244.54     223    2245  237.66 2245.67  246.25    2246
  250.11 2246.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035    56.8    .027  134.55    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          56.8  134.55           178.14   166.2  165.36            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2238.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               2.73    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2235.37    Reach Len. (ft)           178.14     166.20     165.36
  Crit W.S. (ft)           2235.38    Flow Area (sq ft)                    276.48
  E.G. Slope (ft/ft)      0.007161    Area (sq ft)                         276.48
  Q Total (cfs)            3665.00    Flow (cfs)                          3665.00
  Top Width (ft)             51.11    Top Width (ft)                        51.11
  Vel Total (ft/s)           13.26    Avg. Vel. (ft/s)                      13.26
  Max Chl Dpth (ft)          10.37    Hydr. Depth (ft)                       5.41
```

Conv. Total (cfs)	43311.2	Conv. (cfs)		43311.2		
Length Wtd. (ft)	166.20	Wetted Per. (ft)		57.57		
Min Ch El (ft)	2225.00	Shear (lb/sq ft)		2.15		
Alpha	1.00	Stream Power (lb/ft s)	250.11	0.00	0.00	
Frctn Loss (ft)	1.16	Cum Volume (acre-ft)		5.04		
C & E Loss (ft)	0.00	Cum SA (acres)	2.09	1.79	0.85	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 1650

INPUT
Description:
Station Elevation Data num= 134

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2237	.53	2237	3.72	2237	13.33	2236.98	14.3	2236.98
37.4	2236.9	37.93	2236.9	38.45	2236.9	52.98	2237	56.07	2237.04
56.54	2237.04	63.91	2237.09	63.99	2237.09	70.43	2237.1	70.74	2237.1
76.85	2237.09	83.21	2237.07	85.42	2237.06	93.35	2237	100.27	2236.99
104.3	2237	105.18	2237	105.56	2237	106.83	2237	107.47	2237
109.01	2237	109.33	2237	109.41	2237	111.43	2237	111.71	2237
112.2	2237	112.32	2237	112.43	2237	113.68	2237.03	117.86	2237.11
119.87	2237.11	120.54	2237.06	121.23	2237	122.08	2236.8	128.3	2236
131	2235.21	131.69	2235	134.17	2234.23	134.92	2234	137.35	2233.25
138.15	2233	140.51	2232.27	141.37	2232	143.67	2231.29	144.6	2231
146.81	2230.3	147.78	2230	149.93	2229.32	150.95	2229	152.61	2228.51
154.26	2228	156.66	2227.28	157.51	2227	158.4	2226.71	160.72	2226
163.34	2225.3	164.37	2225	165.13	2224.87	167.81	2224	169.48	2223.14
169.82	2223	170.7	2222.98	171.15	2222.98	176.05	2222.89	176.83	2222.88
177.99	2222.86	180.92	2222.91	186.12	2223	186.94	2223.39	189.52	2225.09
193.74	2229.18	193.95	2229.33	194.77	2230.23	195.55	2231	195.8	2231.23
196.57	2232	197.03	2232.42	197.59	2233	197.89	2233.26	198.11	2233.46
198.63	2234	199.2	2234.5	199.73	2235	200.43	2235.64	200.76	2236
201.07	2236.35	201.83	2237	203.14	2237.89	204.01	2237.95	204.24	2237.96
204.39	2237.97	205.84	2237.97	207.91	2237.96	210.22	2237.97	212.25	2238
212.67	2238.01	216.98	2238.13	217.11	2238.13	217.25	2238.13	219.34	2238.18
223.47	2238.28	232.58	2238.44	234.32	2238.47	235.22	2238.49	236.66	2238.49
237.6	2238.51	238.82	2238.5	239.89	2238.49	240.98	2238.49	244.9	2238.4
246.16	2238.39	253.32	2238.27	257.26	2238.2	261.41	2238.16	261.81	2238.16
262.28	2238.16	266.12	2238.15	268.91	2238.17	279.75	2238.24	281.86	2238.23
282.12	2238.23	282.41	2238.23	282.86	2238.23	291.69	2238.13	295.18	2238.14
299.3	2238.19	310.45	2238.32	339.73	2238.13	340.82	2238.12		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	120.54	.027	197.89	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
120.54	197.89	126.82	113.39	113.92	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2236.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	7.19	Wt. n-Val.		0.027	
W.S. Elev (ft)	2228.83	Reach Len. (ft)	126.82	113.39	113.92
Crit W.S. (ft)	2231.11	Flow Area (sq ft)		170.36	
E.G. Slope (ft/ft)	0.025833	Area (sq ft)		170.36	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	41.85	Top Width (ft)		41.85	
Vel Total (ft/s)	21.51	Avg. Vel. (ft/s)		21.51	
Max Chl Dpth (ft)	5.97	Hydr. Depth (ft)		4.07	
Conv. Total (cfs)	22802.9	Conv. (cfs)		22802.9	
Length Wtd. (ft)	113.39	Wetted Per. (ft)		44.91	
Min Ch El (ft)	2222.86	Shear (lb/sq ft)		6.12	
Alpha	1.00	Stream Power (lb/ft s)	340.82	0.00	0.00
Frctn Loss (ft)	2.04	Cum Volume (acre-ft)		4.19	
C & E Loss (ft)	0.04	Cum SA (acres)	2.09	1.61	0.85

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the

need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 1536

INPUT
Description:
Station Elevation Data num= 99

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2233.99	.05	2233.99	.13	2233.99	3.34	2234	4.45	2234
5.55	2234	6.96	2234	8.13	2234	8.29	2234	36.29	2234.37
50.4	2234.54	50.58	2234.54	51.05	2234.54	59.2	2234.56	70.02	2234.67
71.74	2234.67	73.25	2234.69	74.85	2234.71	76.02	2234.73	80.76	2234.73
84.09	2234.77	86.46	2234.8	89.09	2234.85	96.19	2235	98.07	2235.02
101.21	2235.04	104.03	2235.03	107.19	2235.02	110.02	2235	113.27	2234.98
117.04	2234.97	121.06	2234.98	124.32	2234.99	127.31	2235	128.21	2235.08
128.42	2235.09	128.69	2235.08	130.06	2235.25	130.35	2235	130.58	2234.79
131.47	2234	132.31	2233.28	132.58	2233	133.01	2232.68	133.79	2232
134.3	2231.59	134.97	2231	135.79	2230.28	136.11	2230	137.73	2229.56
139	2229.19	139.49	2229	140.29	2228.7	142.5	2228	143.58	2227.62
145.39	2227	146.68	2226.54	147.97	2226	148.95	2225.66	150.87	2225
152.09	2224.56	153.66	2224	155.27	2223.42	156.43	2223	157.91	2222.47
158.88	2222	166.79	2221.95	167.71	2221.95	171.55	2221.97	171.61	2221.97
176.26	2222	176.92	2222.59	177.35	2223	178.07	2223.58	178.53	2224
179.26	2224.72	179.62	2225	180.52	2225.8	180.72	2226	181.62	2226.79
181.82	2227	182.64	2227.85	182.79	2228	183.71	2228.84	183.86	2229
184.77	2229.83	184.94	2230	185.83	2230.82	186.03	2231	186.89	2231.86
187.03	2232	187.17	2232.14	187.55	2232.5	188.09	2233	188.98	2233.83
189.16	2234	192.64	2234.17	236	2250	341.45	2250.9		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	124.32	.027	187.55	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
124.32	187.55	177.36	177.35	174.63	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2233.75	Element			
Vel Head (ft)	5.01	Wt. n-Val.		0.027	
W.S. Elev (ft)	2228.75	Reach Len. (ft)	177.36	177.35	174.63
Crit W.S. (ft)	2230.23	Flow Area (sq ft)		204.11	
E.G. Slope (ft/ft)	0.015136	Area (sq ft)		204.11	
Q Total (cfs)	3665.00	Flow (cfs)		3665.00	
Top Width (ft)	43.44	Top Width (ft)		43.44	
Vel Total (ft/s)	17.96	Avg. Vel. (ft/s)		17.96	
Max Chl Dpth (ft)	6.79	Hydr. Depth (ft)		4.70	
Conv. Total (cfs)	29790.2	Conv. (cfs)		29790.2	
Length Wtd. (ft)	177.35	Wetted Per. (ft)		47.26	
Min Ch El (ft)	2221.95	Shear (lb/sq ft)		4.08	
Alpha	1.00	Stream Power (lb/ft s)	341.45	0.00	0.00
Frctn Loss (ft)	2.20	Cum Volume (acre-ft)		3.70	
C & E Loss (ft)	0.07	Cum SA (acres)	2.09	1.50	0.85

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 1359

INPUT
Description:
Station Elevation Data num= 156

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2230.3	2.43	2230.32	6.81	2230.36	32.16	2230.15	32.54	2230.15
33.03	2230.15	37.48	2230.1	37.87	2230.09	43.56	2230	44.21	2229.97
50.16	2229.94	54.9	2229.94	67.19	2230	71.36	2230.08	72.17	2230.1
79.07	2230.27	81.6	2230.33	84.04	2230.36	99.45	2230.67	102.61	2230.66
103	2230.66	103.4	2230.66	105.81	2230.63	107.34	2230.61	112.79	2230
114.74	2229.63	115.41	2229.51	119.33	2229	122.57	2228.39	123.76	2228
125.59	2227.37	126.71	2227	127.95	2226.56	129.78	2226	131.42	2225.4
132.7	2225	134.78	2224.23	135.44	2224	136.41	2223.69	138.4	2223
139.69	2222.61	143.01	2222	146.5	2221.42	148.46	2221	151.4	2220.44
151.92	2220.41	152.8	2220.39	153.07	2220.34	155.97	2220.21	157.57	2220.19
158.44	2220.39	158.46	2220.39	166.41	2220.38	188.04	2221.27	190.39	2222
192.39	2222.14	196.85	2222.48	201.89	2222.76	202.53	2222.92	202.97	2222.94
203.23	2222.96	203.28	2222.96	204.65	2223	207.38	2223.5	209.97	2224

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  212.99 2224.63  214.46 2224.94  214.78    2225  215.21 2225.09  215.69 2225.24
   217.2 2225.67  218.05    2226  218.97 2226.37  220.37    2227  220.86 2227.22
  222.07 2227.77  222.42 2227.93  222.55    2228  223.37  2228.4  224.44    2229
  224.63 2229.11  226.27    2230  227.77 2230.83  228.18    2231  229.37    2231
  234.58 2231.02  237.36 2231.03  238.15 2231.03  246.16    2231   247.7 2230.94
  250.18 2230.85  252.65 2230.78  256.29 2230.73  259.52 2230.69  263.72 2230.69
  264.15 2230.69  265.85 2230.68  272.13 2230.75   280.3 2230.89  280.53 2230.89
  281.73 2230.92  284.45 2230.99  285.37 2230.99  286.54    2231   286.8    2231
  286.92    2231  287.22    2231  287.29    2231  288.54 2231.01  288.83 2231.01
   289.7 2231.01   291.5 2231.03  291.82 2231.03  292.06 2231.03   292.1 2231.03
  293.14 2231.02  302.64 2231.38  303.16 2231.39  303.85 2231.42  319.56 2231.99
  319.99 2231.99  320.52 2231.99  320.96 2231.98  321.91 2231.99  326.35 2231.99
  327.93 2231.99  328.84 2231.99  328.98 2231.99  330.25    2232  331.17    2232
  332.84    2232  332.88    2232   332.9    2232  332.92    2232  347.27 2232.95
  349.06    2233  356.81  2233.5  365.04    2234  366.19 2234.09  366.62 2234.12
  366.86 2234.13  379.41    2235  381.66 2235.17  393.51    2236  397.81 2236.38
  405.57    2237   410.5  2237.5   416.1    2238  418.37 2238.22  427.38    2239
  430.25 2239.29  435.23 2239.95  435.65    2240  436.37 2240.08  444.82    2241
  447.07 2241.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  114.74    .027  212.99    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        114.74  212.99           205.95  205.68  217.03            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2229.81    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               5.73    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2224.08    Reach Len. (ft)          205.95     205.68     217.03
  Crit W.S. (ft)           2225.76    Flow Area (sq ft)                   190.76
  E.G. Slope (ft/ft)      0.035653    Area (sq ft)                        190.76
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             75.13    Top Width (ft)                       75.13
  Vel Total (ft/s)           19.21    Avg. Vel. (ft/s)                     19.21
  Max Chl Dpth (ft)           3.89    Hydr. Depth (ft)                      2.54
  Conv. Total (cfs)        19410.1    Conv. (cfs)                        19410.1
  Length Wtd. (ft)           205.68    Wetted Per. (ft)                     75.88
  Min Ch El (ft)           2220.19    Shear (lb/sq ft)                      5.60
  Alpha                       1.00    Stream Power (lb/ft s)    447.07      0.00       0.00
  Frctn Loss (ft)             3.94    Cum Volume (acre-ft)                  2.90
  C & E Loss (ft)             0.01    Cum SA (acres)              2.09      1.26       0.85


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 1153

INPUT
Description:
Station Elevation Data    num=     105
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2225.08    27.5 2225.03   28.17 2225.03   28.46 2225.03   31.43 2225.01
   31.47 2225.01    31.5 2225.01   53.01    2225   53.02    2225   53.05    2225
   56.32 2225.02   56.41 2225.02   56.53 2225.02   56.66 2225.02   56.75 2225.02
    56.9 2225.02   82.51 2225.28   89.41 2225.36   94.54 2225.42   95.06 2225.43
  116.77  2225.5   125.6 2225.35  142.94 2225.02  143.76    2225  145.05 2224.82
  145.46 2224.76  145.67 2224.73  148.54 2224.42  150.11    2224  153.59 2223.13
  154.04    2223  157.64 2222.08  157.89    2222  159.15 2221.66   161.7    2221
  165.21 2220.14  165.75    2220  169.51 2219.07  169.75    2219  169.91 2218.94
  172.51    2218  173.03 2217.75  174.41    2217  175.52 2216.46  176.53    2216
  177.67 2215.42  178.51    2215  180.06 2214.35  181.05 2214.39   182.4 2214.48
  184.75 2214.77  184.78 2214.77  185.47 2214.87  185.92 2214.85  186.32 2214.88
   186.6  2214.8   187.2    2214  187.55 2213.32  187.72    2213  187.99 2212.31
  188.06    2212  190.75 2211.89  193.85 2211.75  194.23 2211.76  195.03 2211.78
  198.44  2211.9   200.2    2212  200.42 2212.24  200.96    2213  201.24 2213.26
  201.75    2214  202.01 2214.35  202.55    2215  202.66 2215.16  203.17    2216
  203.48 2216.27  203.76    2217  204.06 2217.48  204.42    2218  204.81 2218.55
  205.15    2219  205.53 2219.55  205.87    2220  206.34 2220.58  206.66    2221
  206.96  2221.5  207.33    2222  207.73 2222.53  207.86 2222.72  208.06    2223
  208.46 2223.53   208.8    2224  209.27 2224.56  209.59    2225  210.01 2225.55
  210.28    2226  210.67  2226.5  211.01    2227  211.64 2227.74  212.19 2227.94
  212.44    2228  219.71 2228.59  224.76    2229     226  2233.5   378.7  2235.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0    .035  145.46    .027  207.86    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        145.46  207.86           122.47  118.96  118.07            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2225.12    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               5.13    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2219.99    Reach Len. (ft)          122.47     118.96     118.07
  Crit W.S. (ft)           2221.53    Flow Area (sq ft)                   201.58
  E.G. Slope (ft/ft)      0.015737    Area (sq ft)                        201.58
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             40.07    Top Width (ft)                      40.07
  Vel Total (ft/s)           18.18    Avg. Vel. (ft/s)                    18.18
  Max Chl Dpth (ft)           8.24    Hydr. Depth (ft)                     5.03
  Conv. Total (cfs)        29215.5    Conv. (cfs)                       29215.5
  Length Wtd. (ft)          118.96    Wetted Per. (ft)                    47.17
  Min Ch El (ft)           2211.75    Shear (lb/sq ft)                     4.20
  Alpha                       1.00    Stream Power (lb/ft s)    378.70     0.00       0.00
  Frctn Loss (ft)             4.67    Cum Volume (acre-ft)                1.97
  C & E Loss (ft)             0.02    Cum SA (acres)              2.09     0.99       0.85


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 1034

INPUT
Description:
Station Elevation Data    num=     112
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2222.01    1.68 2222.01    1.71 2222.01    1.73 2222.01    3.85 2222.02
   11.41 2222.01   14.27 2222.02   18.75 2222.01   23.12    2222   27.42 2221.94
   31.89  2221.9   36.07 2221.88   52.35    2222   81.65 2222.22   83.59 2222.29
   84.51 2222.32   85.08 2222.33   86.34 2222.36   87.92 2222.41   88.16 2222.41
   89.83 2222.46   93.19 2222.54   95.01 2222.58    96.5 2222.59    98.6 2222.66
   103.3 2222.64  110.02 2222.51   112.8 2222.38  113.88 2222.36  117.84 2222.16
  118.51 2222.14  120.12 2222.06  121.36    2222  122.71 2221.96  124.15 2221.92
  126.29 2221.98  126.81    2222  127.01    2222  129.16 2222.01  130.61    2222
  131.65    2222  131.96    2222  132.13 2221.91   133.9    2221  135.67 2220.09
  135.85    2220   136.1 2219.88  137.81    2219   138.1 2218.85   139.8    2218
  140.04 2217.88  142.05    2217  142.53 2216.57  143.93    2216  144.44 2215.51
  144.85    2215  145.17 2214.67  145.84    2214  146.42 2213.44  146.89    2213
  147.59 2212.26  147.85    2212  148.39 2211.48  148.66    2211   148.9 2210.66
  149.11    2210   149.7    2210  151.95 2209.99  152.03 2209.99  152.88 2209.99
  153.17 2209.99   157.2    2210  159.37 2210.64  159.41 2210.66  160.62    2211
  163.13 2211.76  164.02    2212  166.88 2212.81  167.32    2213  169.66 2213.58
  170.99    2214  172.64 2214.49  174.44    2215  174.77 2215.54   175.5    2216
  175.69 2216.51  176.01    2217  176.33 2217.66   176.5    2218  176.89 2218.82
  176.98    2219  177.43 2219.82  177.55    2220  177.61 2220.15  178.08    2221
  178.55 2221.85  178.63    2222  179.06 2222.95  179.08    2223  179.48    2223
  179.74    2223  179.75    2223  180.23    2223  180.43    2223  181.83    2223
  186.44 2223.01  188.16 2223.01  190.65 2223.01   192.5 2223.01  192.81 2223.01
     196    2231  387.33    2233

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  120.12    .027  179.75    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        120.12  179.75           111.19   109.8  110.16            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2223.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               5.05    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2218.32    Reach Len. (ft)          111.19     109.80     110.16
  Crit W.S. (ft)           2219.67    Flow Area (sq ft)                   203.20
  E.G. Slope (ft/ft)      0.013752    Area (sq ft)                        203.20
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             37.49    Top Width (ft)                      37.49
  Vel Total (ft/s)           18.04    Avg. Vel. (ft/s)                    18.04
  Max Chl Dpth (ft)           8.33    Hydr. Depth (ft)                     5.42
  Conv. Total (cfs)        31253.0    Conv. (cfs)                       31253.0
  Length Wtd. (ft)          109.80    Wetted Per. (ft)                    43.49
  Min Ch El (ft)           2209.99    Shear (lb/sq ft)                     4.01
  Alpha                       1.00    Stream Power (lb/ft s)    387.33     0.00       0.00
```

Frctn Loss (ft)	1.75	Cum Volume (acre-ft)		1.42	
C & E Loss (ft)	0.00	Cum SA (acres)	2.09	0.88	0.85

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 924

INPUT
Description:
Station Elevation Data num= 107

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2219.68	7.73	2219.74	8.54	2219.75	9.4	2219.75	13.09	2219.76
20.93	2219.8	23.51	2219.81	26.77	2219.83	28.12	2219.83	29.67	2219.84
32.4	2219.84	32.54	2219.84	32.69	2219.84	51.1	2219.84	70.03	2219.86
76.83	2219.87	82.57	2219.99	83.65	2219.99	84.37	2219.99	86.61	2219.99
88.94	2220	90.15	2220	90.52	2220	90.65	2220	90.9	2220
92.21	2220.07	94.53	2220.19	95.35	2220.23	98.03	2220.33	108.37	2220.82
115.51	2220.98	116.46	2221	116.95	2221	117.1	2221	117.25	2221
117.92	2221	118.28	2221	118.47	2221	118.65	2221	119.04	2221
119.97	2220.92	121.31	2220.8	122.19	2220.7	123.31	2220.58	124.1	2220.5
128.74	2220	128.76	2219.99	129.58	2219.7	131.99	2219	132.49	2218.64
133.19	2218	133.92	2217.32	134.19	2217	134.93	2216.07	134.99	2216
135.08	2215.91	136.05	2215	136.87	2214.05	136.93	2214	137.02	2213.91
137.99	2213	138.49	2212.46	138.99	2212	139.24	2211.77	140.28	2211
141.1	2210.13	141.27	2210	144.35	2209.97	144.71	2209.97	145.21	2209.96
147.56	2209.93	151.7	2209.96	154.14	2210	156	2210.52	157.85	2211
162.87	2211.49	171.78	2211.91	173.65	2212	181.48	2212.99	181.5	2212.99
181.51	2213	181.52	2213	181.55	2213	181.59	2213.02	181.64	2213.05
182.04	2213.25	183.08	2213.76	183.26	2213.84	183.38	2213.9	183.62	2214
184.94	2214.59	185.85	2215	186.05	2215.1	186.33	2215.23	187.53	2215.77
188	2216	189.17	2216.54	190.05	2217	191.2	2217.55	192.08	2218
193.26	2218.6	194.1	2219	195.15	2219.51	196	2220	196.03	2220
202.85	2227	274.87	2227						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.014	128.76	.014	196.03	.014

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
128.76	196.03	68	68	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2222.17	Element	Left OB	Channel	Right OB	
Vel Head (ft)	7.23	Wt. n-Val.		0.014		
W.S. Elev (ft)	2214.94	Reach Len. (ft)	68.00	68.00	68.00	
Crit W.S. (ft)	2217.13	Flow Area (sq ft)		169.81		
E.G. Slope (ft/ft)	0.008595	Area (sq ft)		169.81		
Q Total (cfs)	3665.00	Flow (cfs)		3665.00		
Top Width (ft)	49.60	Top Width (ft)		49.60		
Vel Total (ft/s)	21.58	Avg. Vel. (ft/s)		21.58		
Max Chl Dpth (ft)	5.01	Hydr. Depth (ft)		3.42		
Conv. Total (cfs)	39532.6	Conv. (cfs)		39532.6		
Length Wtd. (ft)	68.00	Wetted Per. (ft)		52.27		
Min Ch El (ft)	2209.93	Shear (lb/sq ft)		1.74		
Alpha	1.00	Stream Power (lb/ft s)	274.87	0.00	0.00	
Frctn Loss (ft)	1.18	Cum Volume (acre-ft)		0.95		
C & E Loss (ft)	0.02	Cum SA (acres)	2.09	0.77	0.85	

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: GilmanCreek
REACH: GilmanCreek RS: 844

INPUT
Description:
Station Elevation Data num= 7

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2219	41	2219	68	2209	77	2209	95	2212
110	2216	148	2219						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

```
       0    .014      41    .014     110    .014

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
            41     110              600     600     600            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2221.60    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               7.16    Wt. n-Val.                          0.014
  W.S. Elev (ft)           2214.43    Reach Len. (ft)          600.00     600.00     600.00
  Crit W.S. (ft)           2216.69    Flow Area (sq ft)                   170.63
  E.G. Slope (ft/ft)      0.008471    Area (sq ft)                        170.63
  Q Total (cfs)            3665.00    Flow (cfs)                         3665.00
  Top Width (ft)             50.79    Top Width (ft)                       50.79
  Vel Total (ft/s)           21.48    Avg. Vel. (ft/s)                     21.48
  Max Chl Dpth (ft)           5.43    Hydr. Depth (ft)                      3.36
  Conv. Total (cfs)        39821.4    Conv. (cfs)                        39821.4
  Length Wtd. (ft)          600.00    Wetted Per. (ft)                     52.33
  Min Ch El (ft)           2209.00    Shear (lb/sq ft)                      1.72
  Alpha                       1.00    Stream Power (lb/ft s)    148.00      0.00       0.00
  Frctn Loss (ft)             0.58    Cum Volume (acre-ft)                  0.68
  C & E Loss (ft)             0.00    Cum SA (acres)              2.09      0.69       0.85


CULVERT


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 843

INPUT
Description:
Distance from Upstream XS =      85
Deck/Roadway Width        =      80
Weir Coefficient          =     2.6
Upstream  Deck/Roadway Coordinates
    num=       2
     Sta Hi Cord Lo Cord     Sta Hi Cord Lo Cord
       0    2218    2207     160    2218    2207

Upstream Bridge Cross Section Data
Station Elevation Data    num=       7
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2219      41    2219      68    2209      77    2209      95    2212
     110    2216     148    2219

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .014      41    .014     110    .014

Bank Sta: Left   Right    Coeff Contr.   Expan.
            41     110            .01      .03

Downstream  Deck/Roadway Coordinates
    num=       2
     Sta Hi Cord Lo Cord     Sta Hi Cord Lo Cord
     311    2212    2200     360    2212    2200

Downstream Bridge Cross Section Data
Station Elevation Data    num=     151
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2207.96    7.49    2208   14.93 2208.04   16.01 2208.05   42.34 2208.26
   51.23  2208.3   67.78 2208.42   93.97 2208.54   96.18 2208.54   98.63 2208.55
  101.29 2208.54  104.78 2208.52   107.2 2208.51  124.16 2208.37  136.95 2208.25
  162.37    2208  166.39 2207.96  166.78 2207.96  166.99 2207.96  180.02 2207.86
  180.69 2207.86  208.77 2207.74  210.63 2207.76  212.37 2207.78   215.3 2207.79
  217.96  2207.8  218.76  2207.8   220.3 2207.79   222.6 2207.79  224.91 2207.79
  238.72 2207.93  239.92 2207.92  242.49 2207.93  254.77    2208  263.76 2208.45
  265.28 2208.51  267.78  2208.6  271.83 2208.73  277.95 2208.99  279.57    2209
   279.6    2209  279.63    2209  280.12    2209  280.89    2209  282.62    2209
  285.09    2209  286.96    2209  287.81    2209  287.85    2209     288    2209
   291.9    2209  292.45    2209  296.19 2208.99   300.3    2209     301    2209
  304.15 2209.63  305.48 2209.89  305.98    2210  309.25 2210.69  310.78    2211
   310.8 2211.02  310.82 2211.03   311.3 2211.16  311.37 2211.17  311.76 2211.06
  312.34    2211  312.54 2210.86  313.95    2210  313.98 2209.99  315.95    2209
  316.16 2208.89  317.87    2208  318.94 2207.43  319.72    2207  321.08 2206.26
  322.54 2205.77  332.46 2203.31  338.16 2201.88  340.83 2201.22  341.13 2201.16
  341.31 2201.12  341.41 2201.11  341.46  2201.1  341.79    2201  341.84    2201
  343.37    2201  343.65 2201.33   344.2    2202  344.58 2202.55  344.87    2203
  345.24 2203.42  345.88    2204  346.28 2204.84  346.49    2205  347.18  2205.9
  347.24    2206  347.28 2206.14  348.06    2207  349.29 2207.64  350.09    2208
   350.7 2208.26  352.42    2209  353.56 2209.58  353.85  2209.7   354.6    2210
  355.43 2210.35  356.92    2211  358.03 2211.51  359.29    2212  361.04 2212.12
  362.21 2212.16  364.12 2212.04  365.34    2212  367.13 2211.97  367.15 2211.97
   414.8 2211.58  439.14 2211.49  440.97 2211.51  441.96 2211.52  442.99 2211.52
  444.29 2211.53  444.55 2211.53  447.61 2211.55  484.37  2211.7  499.83 2211.76
  513.32 2211.74   515.6  2211.7  516.73 2211.69  520.87 2211.71  522.11  2211.7
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   526.8 2211.71  527.95  2211.7  533.16  2211.7  533.96  2211.7  547.77 2211.85
  553.32 2211.85  563.85 2211.89     565 2211.89  567.07  2211.9  574.43 2211.96
  577.82 2211.96  577.89 2211.96  577.91 2211.96  580.16    2212  580.35    2212
  580.65    2212  586.97 2212.07  589.06 2212.09  589.31  2212.1  591.67 2212.13
  624.63 2212.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  304.15    .027  353.85    .035

Bank Sta: Left   Right    Coeff Contr.   Expan.
        304.15  353.85            .01      .03

Upstream Embankment side slope              =       3 horiz. to 1.0 vertical
Downstream Embankment side slope            =       3 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow =     .98
Elevation at which weir flow begins         =
Energy head used in spillway design         =
Spillway height used in design              =
Weir crest shape                            = Broad Crested

Number of Culverts =  1

Culvert Name     Shape      Rise    Span
Culvert #1           Box       6      11
FHWA Chart # 8 - flared wingwalls
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
Solution Criteria = Highest U.S. EG
Culvert Upstrm Dist  Length    Top n  Bottom n  Depth Blocked  Entrance Loss Coef   Exit Loss Coef
                  1     599     .014     .014        0                  .1               .3
Number of Barrels =  3
Upstream   Elevation =  2209
Centerline Stations
    Sta.    Sta.    Sta.
      60      72      84
Downstream Elevation =  2201.5
Centerline Stations
    Sta.    Sta.    Sta.
     330     342     354

CROSS SECTION


RIVER: GilmanCreek
REACH: GilmanCreek        RS: 231

INPUT
Description:
Station Elevation Data    num=     151
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2207.96    7.49    2208   14.93 2208.04   16.01 2208.05   42.34 2208.26
   51.23  2208.3   67.78 2208.42   93.97 2208.54   96.18 2208.54   98.63 2208.55
  101.29 2208.54  104.78 2208.52   107.2 2208.51  124.16 2208.37  136.95 2208.25
  162.37    2208  166.39 2207.96  166.78 2207.96  166.99 2207.96  180.02 2207.86
  180.69 2207.86  208.77 2207.74  210.63 2207.76  212.37 2207.78   215.3 2207.79
  217.96  2207.8  218.76  2207.8   220.3 2207.79   222.6 2207.79  224.91 2207.79
  238.72 2207.93  239.92 2207.92  242.49 2207.93  254.77    2208  263.76 2208.45
  265.28 2208.51  267.78  2208.6  271.83 2208.73  277.95 2208.99  279.57    2209
   279.6    2209  279.63    2209  280.12    2209  280.89    2209  282.62    2209
  285.09    2209  286.96    2209  287.81    2209  287.85    2209     288    2209
   291.9    2209  292.45    2209  296.19 2208.99   300.3    2209     301    2209
  304.15 2209.63  305.48 2209.89  305.98    2210  309.25 2210.69  310.78    2211
   310.8 2211.02  310.82 2211.03   311.3 2211.16  311.37 2211.17  311.76 2211.06
  312.34    2211  312.54 2210.86  313.95    2210  313.98 2209.99  315.95    2209
  316.16 2208.89  317.87    2208  318.94 2207.43  319.72    2207  321.08 2206.26
  322.54 2205.77  332.46 2203.31  338.16 2201.88  340.83 2201.22  341.13 2201.16
  341.31 2201.12  341.41 2201.11  341.46  2201.1  341.79    2201  341.84    2201
  343.37    2201  343.65 2201.33   344.2    2202  344.58 2202.55  344.87    2203
  345.24 2203.42  345.88    2204  346.28 2204.84  346.49    2205  347.18  2205.9
  347.24    2206  347.28 2206.14  348.06    2207  349.29 2207.64  350.09    2208
   350.7 2208.26  352.42    2209  353.56 2209.58  353.85  2209.7   354.6    2210
  355.43 2210.35  356.92    2211  358.03 2211.51  359.29    2212  361.04 2212.12
  362.21 2212.16  364.12 2212.04  365.34    2212  367.13 2211.97  367.15 2211.97
   414.8 2211.58  439.14 2211.49  440.97 2211.51  441.96 2211.52  442.99 2211.52
  444.29 2211.53  444.55 2211.53  447.61 2211.55  484.37  2211.7  499.83 2211.76
  513.32 2211.74   515.6  2211.7  516.73 2211.69  520.87 2211.71  522.11  2211.7
   526.8 2211.71  527.95  2211.7  533.16  2211.7  533.96  2211.7  547.77 2211.85
  553.32 2211.85  563.85 2211.89     565 2211.89  567.07  2211.9  574.43 2211.96
  577.82 2211.96  577.89 2211.96  577.91 2211.96  580.16    2212  580.35    2212
  580.65    2212  586.97 2212.07  589.06 2212.09  589.31  2212.1  591.67 2212.13
  624.63 2212.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  304.15    .027  353.85    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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        304.15  353.85           143.14  230.99  149.66            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2211.87    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2211.73    Reach Len. (ft)            0.00       0.00       0.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1062.04     279.68      17.50
  E.G. Slope (ft/ft)       0.000609   Area (sq ft)             1062.04     279.68      17.50
  Q Total (cfs)            3665.00    Flow (cfs)               2538.76    1118.14       8.10
  Top Width (ft)            477.96    Top Width (ft)            304.15      49.70     124.11
  Vel Total (ft/s)            2.70    Avg. Vel. (ft/s)            2.39       4.00       0.46
  Max Chl Dpth (ft)          10.73    Hydr. Depth (ft)            3.49       5.63       0.14
  Conv. Total (cfs)        148560.3   Conv. (cfs)              102908.1    45323.8      328.4
  Length Wtd. (ft)            0.00    Wetted Per. (ft)          308.01      55.35     124.52
  Min Ch El (ft)           2201.00    Shear (lb/sq ft)            0.13       0.19       0.01
  Alpha                       1.22    Stream Power (lb/ft s)    624.63       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)
  C & E Loss (ft)             0.02    Cum SA (acres)


Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 5379

INPUT
Description:
Station Elevation Data    num=     131
     Sta    Elev      Sta    Elev      Sta    Elev      Sta    Elev      Sta    Elev
       0 2362.07    11.87 2362.12    12.23 2362.12     15.9 2362.13    18.18 2362.13
   21.25 2362.12     24.6 2362.18    25.83 2362.18    27.03 2362.18    28.06  2362.2
    28.8 2362.21    45.43 2362.35    48.77  2362.3    52.81 2362.21    53.19 2362.21
   53.54 2362.21    53.87 2362.21    54.23  2362.2    55.06 2362.21    55.43 2362.21
    56.3    2362    56.66 2361.79    58.49    2361    59.91 2360.03    59.97    2360
   61.46 2359.28    61.91    2359    62.62 2358.63    63.28 2358.22    63.64    2358
   65.45 2357.01    65.48    2357    65.53 2356.97     66.4  2356.5    67.32    2356
    68.1 2355.58    69.18    2355    69.51 2354.86    71.67    2354    74.19 2353.09
    74.4    2353    74.62 2352.92     77.1    2352    77.36  2351.9     79.8    2351
    82.6 2350.02    82.65    2350    85.34 2349.02     85.4    2349    85.46 2348.98
   87.96    2348    88.47  2347.8    90.64    2347    95.86 2346.97   100.21 2346.96
  105.88 2346.98   106.39 2346.98   108.19 2346.98   110.23 2346.91   112.37 2346.92
  113.41 2346.93   114.67 2346.92   116.56  2346.9   117.18 2346.88      125 2346.88
  140.76 2346.89   141.92 2346.81   143.81 2346.79   144.57 2346.73   146.12 2346.68
  147.26  2346.6   148.05 2346.54   149.29 2346.44   151.22 2346.28   154.16 2346.02
  154.36    2346   154.49 2345.92   155.37 2345.36   156.09    2345   157.13  2344.5
  157.93 2344.03   157.97 2344.01   157.98    2344     158    2344   158.03    2344
  161.03    2344   162.52    2344   163.78 2343.99   168.07    2344   168.92  2344.1
  169.06 2344.11   169.23 2344.11   169.85 2344.14   170.44 2344.15   170.74 2344.15
  170.95 2344.15   171.37 2344.18   171.57 2344.17   172.19 2344.23   172.82 2344.32
   173.1  2344.3   173.76 2344.38      174 2344.36   177.39 2344.19   178.65 2344.08
  181.64 2344.01   181.65    2344   184.36 2343.64    188.7    2343   189.48 2342.99
  190.37 2342.99   191.04 2342.99   192.39    2343   193.01 2343.02    194.1 2343.13
  196.34 2343.29   196.85 2343.32   198.87    2344   199.97 2344.57   201.33    2345
  202.17 2345.46   203.48    2346   204.08 2346.24   206.02    2347   207.43 2347.51
   208.8    2348   210.28 2348.56   211.52    2349   223.23 2352.03   248.06 2358.32
  265.72 2362.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   63.28    .027  248.06    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         63.28  248.06           267.76  268.27  285.61            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2349.13    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.66    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2348.47    Reach Len. (ft)          267.76     268.27     285.61
  Crit W.S. (ft)           2347.85    Flow Area (sq ft)                   335.35
  E.G. Slope (ft/ft)       0.003762   Area (sq ft)                        335.35
  Q Total (cfs)            2183.00    Flow (cfs)                         2183.00
  Top Width (ft)            123.27    Top Width (ft)                      123.27
  Vel Total (ft/s)            6.51    Avg. Vel. (ft/s)                      6.51
  Max Chl Dpth (ft)           5.48    Hydr. Depth (ft)                      2.72
  Conv. Total (cfs)        35593.6    Conv. (cfs)                        35593.6
  Length Wtd. (ft)          268.27    Wetted Per. (ft)                    125.21
  Min Ch El (ft)           2342.99    Shear (lb/sq ft)                      0.63
  Alpha                       1.00    Stream Power (lb/ft s)    265.72      0.00       0.00
  Frctn Loss (ft)             1.49    Cum Volume (acre-ft)                 28.17
  C & E Loss (ft)             0.01    Cum SA (acres)                       23.42
```

```
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 5111

INPUT
Description:
Station Elevation Data    num=     139
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2354.12    9.69 2351.87   18.54 2351.87    27.1  2351.2   38.26 2350.01
   40.73 2349.64   45.01    2349   48.94 2348.44   52.09    2348    57.1 2347.35
   60.56    2347   69.35 2346.33   70.07 2346.25   72.55 2346.01   72.64    2346
   73.94 2345.98   74.36 2345.94   78.76 2345.57   81.25 2345.45   84.26 2345.32
   86.77 2345.24   93.45 2345.37   93.99 2345.33    96.5 2345.36   99.24 2345.34
   99.71 2345.32  100.04  2345.3  100.76 2345.27  101.37 2345.22  102.23 2345.13
  103.26    2345  106.09 2344.92  107.36 2344.94  108.36 2344.93  109.36 2344.92
  117.81 2344.94  118.75 2344.95  118.78 2344.95  122.35    2345  128.43  2345.6
  131.46    2346  138.47 2346.98  138.63    2347  138.66    2347  140.85 2347.25
  141.14 2347.28  142.01 2347.34  142.32 2347.36  143.22 2347.35  143.53 2347.35
  144.44 2347.27  147.13    2347  150.98 2346.55  151.45 2346.44  151.84 2346.37
  153.25    2346  154.09 2345.81   154.9 2345.58  155.85 2345.32  156.95    2345
  158.22 2344.67  158.26 2344.66  158.78 2344.51  159.46 2344.31  160.44    2344
  160.48 2343.97  160.49 2343.96  160.83 2343.76  162.39    2343  162.53 2342.55
  162.66    2342  162.88 2341.17  162.93    2341  162.98 2340.78  163.03 2340.68
  163.62    2340  163.77 2339.93  164.69    2339  169.44    2339  173.15    2339
  173.22    2339  175.56    2339  177.34    2339  178.94    2339  179.76 2339.79
  180.13    2340  180.71 2340.47  181.29    2341  182.23 2341.66   182.6    2342
  183.09 2342.36   184.1    2343  184.28 2343.11  186.04    2344  188.32 2344.97
  188.45    2345  192.88 2345.89  193.04 2345.91  193.17 2345.93  193.38 2345.94
  193.52 2345.96  193.76    2346   196.4 2346.78  197.26    2347  199.42 2347.56
  201.17    2348  201.91  2348.2  203.77 2348.62  205.32 2348.91  205.89    2349
  209.57 2349.65   211.9    2350  213.83 2350.31  218.14    2351  218.65 2351.08
  220.46 2351.36  221.35 2351.54  222.09 2351.71  222.44  2351.8  223.17    2352
  226.58 2352.75  227.22 2352.98   227.3    2353  230.38 2353.04  231.33 2353.04
  237.21 2353.42  238.12 2353.48  245.23 2353.85  246.67 2353.92  247.27 2353.95
  247.33 2353.96  247.66    2354  248.52 2354.05  248.68 2354.05  248.83 2354.06
  248.97 2354.06  249.23 2354.07  263.08 2354.49  268.37 2354.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   40.73    .027  246.67    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         40.73  246.67             96.38   98.05   120.8             .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2347.63    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.19    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2346.44    Reach Len. (ft)           96.38      98.05     120.80
  Crit W.S. (ft)           2346.44    Flow Area (sq ft)                   249.83
  E.G. Slope (ft/ft)      0.009045    Area (sq ft)                        249.83
  Q Total (cfs)            2183.00    Flow (cfs)                         2183.00
  Top Width (ft)            110.61    Top Width (ft)                      110.61
  Vel Total (ft/s)             8.74    Avg. Vel. (ft/s)                     8.74
  Max Chl Dpth (ft)            7.44    Hydr. Depth (ft)                     2.26
  Conv. Total (cfs)        22954.1    Conv. (cfs)                        22954.1
  Length Wtd. (ft)            98.05    Wetted Per. (ft)                    115.81
  Min Ch El (ft)           2339.00    Shear (lb/sq ft)                     1.22
  Alpha                        1.00    Stream Power (lb/ft s)    268.37     0.00       0.00
  Frctn Loss (ft)              0.80    Cum Volume (acre-ft)                26.37
  C & E Loss (ft)              0.01    Cum SA (acres)                      22.70


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION
```

```
RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 5013

INPUT
Description:
Station Elevation Data    num=     204
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2350.37    9.79    2350    37.5 2349.07   39.74    2349   40.22 2348.98
   55.61 2348.44   71.17    2348   76.79 2347.81   77.78 2347.78    78.4 2347.77
   80.27 2347.75   82.54 2347.72  118.19    2347  126.78  2346.8  127.26  2346.8
  128.17  2346.8   131.3 2346.79  136.28 2346.77  142.07 2346.76  152.52 2346.76
  154.37 2346.75  156.32 2346.74  158.43 2346.72  160.69 2346.69  180.97 2346.63
  184.12 2346.56  186.48 2346.47  190.32 2346.28  192.71 2346.17  193.44 2346.16
  197.35    2346  197.46    2346  197.82 2345.98  203.19 2345.82  212.21    2345
  214.23 2344.37  215.54    2344   216.9  2343.6  219.03    2343  219.33 2342.91
  221.28 2342.35   222.5    2342  225.95    2341  225.96    2341  225.97    2341
  230.59 2340.22  231.65 2340.17  231.85 2340.15  232.02 2340.14  233.34  2340.1
  234.15  2340.1  235.69 2340.09  235.91 2340.09  237.95 2340.15  238.42 2340.16
   240.8 2340.31  244.03 2340.31  251.09 2340.66  252.33 2340.67  252.66 2340.67
  253.55 2340.66  254.48 2340.65  257.02 2340.56  258.33 2340.52  259.94 2340.48
   266.2 2340.37  269.32 2340.29  269.71 2340.28  273.48 2340.21  274.52 2340.18
  276.56 2340.18  278.58 2340.09  280.02    2340  282.41  2339.6   282.9 2339.48
  284.66    2339  285.13 2338.86  288.04    2338  289.09  2337.6  289.89    2337
  290.25 2336.51  290.78    2336  291.49 2335.27  291.84    2335   292.5 2334.47
  292.97 2334.18   293.4    2334  293.57 2333.93  293.63 2333.91  294.22 2333.82
   294.4 2333.79   297.3 2333.76  298.46 2333.74     299 2333.65  299.48 2333.48
  300.26 2333.26  300.98 2333.02  301.31    2333  302.93 2332.34  303.41 2332.15
  303.79    2332  304.51    2332   306.2 2332.03     307  2332.1  310.33  2332.3
  314.96 2332.35  315.17 2332.35  315.38 2332.35  315.45 2332.35  320.69 2332.57
  320.76 2332.58  320.87 2332.58  320.93 2332.58  320.99 2332.59  321.05 2332.59
  321.12 2332.59  323.57 2332.73  326.45 2332.93  327.27    2333  327.44    2333
   332.2 2333.84  332.43 2333.88  332.91    2334  333.02 2334.09  333.53 2334.55
  334.06    2335  334.87  2335.7  335.22    2336  335.48 2336.25  336.32    2337
  336.74 2337.39  337.41    2338  337.95 2338.51  338.49    2339  339.12  2339.6
  339.56    2340  339.94 2340.37  340.59    2341  341.13 2341.53   341.6    2342
  342.49 2342.88  342.61    2343  342.86 2343.25  343.66    2344  344.18 2344.49
  344.79    2345  345.57 2345.71  345.96    2346  346.95 2346.77  347.25    2347
   349.5 2347.57  351.16    2348  352.73 2348.03  352.87 2348.03  354.45 2348.06
   355.2 2348.08  355.54 2348.08  357.14  2348.2  362.31 2348.53  364.05 2348.61
  365.37 2348.69  367.63 2348.93  368.76 2348.94  369.07 2348.94  370.34    2349
  372.79 2349.28  373.48 2349.35  374.18 2349.44  376.85 2349.67  377.84 2349.73
  378.08 2349.75  378.41 2349.75  386.03 2350.69  386.22  2350.7  386.36 2350.72
  392.05    2351  396.43  2351.3  397.86 2351.43  398.66 2351.52  402.05 2351.99
  402.09 2351.99  402.16    2352  405.06 2352.39  405.77 2352.51  406.21  2352.6
  407.35    2353  408.53 2353.37  408.91  2353.4  411.51 2353.67   414.4 2353.99
  414.55 2353.99  414.75    2354  417.88  2354.3  420.77 2354.61  424.34    2355
  433.82  2355.9  434.77    2356  435.75 2356.08  437.74 2356.26  445.16    2357
  450.46 2357.54  454.96    2358  461.23  2358.5  461.58 2358.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  221.28    .027  377.84    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        221.28  377.84          5939.3314733.371 5577.64            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2345.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)              10.62    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2334.90    Reach Len. (ft)          5939.33    4733.37    5577.64
  Crit W.S. (ft)           2337.31    Flow Area (sq ft)                    83.48
  E.G. Slope (ft/ft)      0.093331    Area (sq ft)                         83.48
  Q Total (cfs)            2183.00    Flow (cfs)                         2183.00
  Top Width (ft)             41.98    Top Width (ft)                       41.98
  Vel Total (ft/s)           26.15    Avg. Vel. (ft/s)                     26.15
  Max Chl Dpth (ft)           2.90    Hydr. Depth (ft)                      1.99
  Conv. Total (cfs)          7145.6    Conv. (cfs)                         7145.6
  Length Wtd. (ft)         4733.37    Wetted Per. (ft)                     43.04
  Min Ch El (ft)           2332.00    Shear (lb/sq ft)                     11.30
  Alpha                       1.00    Stream Power (lb/ft s)    461.58      0.00       0.00
  Frctn Loss (ft)             2.02    Cum Volume (acre-ft)                 25.99
  C & E Loss (ft)             0.09    Cum SA (acres)                       22.53


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION
```

```
RIVER: MontgomeryCreek
REACH: MontgomeryCreek    RS: 280

INPUT
Description:
Station Elevation Data    num=     180
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2231     602    2226     731  2223.4  734.07 2223.38  736.26 2223.37
   747.4 2223.37  749.71 2223.37  753.34 2223.36  757.46 2223.35  762.49 2223.32
  768.02 2223.29  773.37 2223.25  779.17 2223.19  785.45  2223.1  786.15 2223.09
  791.46    2223  802.56 2222.64  803.78  2222.6   804.8 2222.57  809.98 2222.42
  810.84 2222.41   814.1 2222.33  816.48  2222.3   817.4  2222.3  819.63  2222.3
  822.01 2222.33  823.27 2222.34  825.82 2222.37  832.05 2222.47  834.54 2222.49
  836.63  2222.5  846.75 2222.63  852.42 2222.56  861.96 2222.37  863.94 2222.36
   865.8  2222.3  868.05 2222.22  873.49    2222  874.19    2222  882.01 2221.99
  886.85 2221.98  889.52 2221.98  891.56 2221.98  896.42 2221.99  901.52 2221.99
  902.98 2221.99  904.74 2221.99  908.36    2222  909.41 2222.25  912.76    2223
  917.94 2223.61  920.61 2223.64  921.76 2223.68  922.71  2223.7  925.99 2223.73
   929.5 2223.75  939.25 2223.81  942.71 2223.82  956.87 2223.82  962.93 2223.84
  970.15 2223.88  972.93 2223.89   983.1    2224  991.63 2224.05  991.72 2224.05
  993.25 2224.06  994.74 2224.07 1019.55 2224.16 1032.36 2224.28 1036.12  2224.3
 1040.99 2224.34  1045.5 2224.36 1051.26 2224.36 1053.72 2224.37 1055.24 2224.39
 1062.04 2224.49  1072.9 2224.84 1077.11 2224.99 1077.37 2224.99 1077.88 2224.99
  1078.9 2224.99 1079.52 2224.99 1080.58 2224.99    1081 2224.99 1081.38 2224.99
 1084.49    2225 1085.03    2225 1085.18    2225 1086.09    2225 1089.28 2225.07
 1119.61    2226 1157.97 2226.72 1172.37    2227 1173.23 2227.01 1174.88 2227.02
 1175.89 2227.02 1190.75 2227.25  1211.8 2227.39 1216.87 2227.52 1220.98 2227.56
 1230.97 2227.79  1233.8 2227.83  1241.3    2228 1247.96 2228.07 1266.17 2228.26
 1279.79 2228.47 1284.98  2228.5 1289.61 2228.53 1293.21 2228.56 1299.06 2228.66
 1301.51 2228.69 1315.13  2228.9  1315.8 2228.92 1320.63    2229 1326.18 2229.11
 1336.64 2229.33 1341.58 2229.45 1351.75 2229.67 1359.22 2229.84  1367.6    2230
 1369.57 2230.03 1375.49 2230.11 1379.89 2230.16 1383.87  2230.2 1385.84 2230.22
 1387.81 2230.24 1411.01 2230.71 1425.68    2231 1438.82 2231.34 1441.66 2231.42
 1466.23    2232 1471.02 2232.09 1477.68 2232.21 1486.62 2232.35 1495.71 2232.46
 1498.07 2232.51 1499.95 2232.54 1514.77 2232.98 1515.49 2232.98 1516.22 2232.98
 1523.36 2232.98 1539.41 2232.99 1543.85    2233 1547.31 2233.09 1548.01 2233.11
 1553.99 2233.29 1555.89 2233.34 1558.62 2233.45 1572.79 2233.92 1578.72 2233.92
 1584.53    2234 1598.92  2234.2 1599.59 2234.21  1600.2 2234.22 1602.27 2234.27
 1614.59 2234.63 1625.36 2234.97 1626.13 2234.97 1627.29 2234.97  1634.8 2234.97
 1641.29 2234.98 1646.78 2234.99 1648.82 2234.99 1649.99 2234.99  1651.8 2234.99
 1652.33 2234.99 1653.56    2235 1654.42    2235 1655.37    2235 1656.11    2235
  1656.5    2235  1657.3    2235 1659.26 2235.06 1670.81 2235.46 1684.62 2235.94
 1684.95 2235.94  1686.9 2235.96 1689.57    2236 1710.58 2236.63 1711.59 2236.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035     602    .027 1411.01    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
           602 1411.01           903.84  279.52  128.67             .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2225.00    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.62    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2224.38    Reach Len. (ft)             0.00       0.00       0.00
  Crit W.S. (ft)           2224.44    Flow Area (sq ft)                    394.96
  E.G. Slope (ft/ft)      0.012180    Area (sq ft)                         394.96
  Q Total (cfs)            2493.00    Flow (cfs)                          2493.00
  Top Width (ft)            372.62    Top Width (ft)                       372.62
  Vel Total (ft/s)             6.31    Avg. Vel. (ft/s)                      6.31
  Max Chl Dpth (ft)            2.40    Hydr. Depth (ft)                      1.06
  Conv. Total (cfs)        22589.0    Conv. (cfs)                         22589.0
  Length Wtd. (ft)             0.00    Wetted Per. (ft)                     372.80
  Min Ch El (ft)           2221.98    Shear (lb/sq ft)                      0.81
  Alpha                        1.00    Stream Power (lb/ft s)   1711.59       0.00       0.00
  Frctn Loss (ft)           120.20    Cum Volume (acre-ft)
  C & E Loss (ft)              0.30    Cum SA (acres)


Warning: The energy equation could not be balanced within the specified number of iterations.  The program selected the water
         surface that had the least amount of error between computed and assumed values.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
          This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 9459

INPUT
Description:
```

Station Elevation Data num= 301

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2412.79	3.98	2412.68	7.79	2412.58	9.48	2412.55	11.77	2412.47
17.97	2412	22.54	2411.51	23.05	2411.49	25.11	2411.39	25.89	2411.56
28.42	2412	30.02	2412	35.43	2412	35.85	2412	41.3	2412
42.27	2412	43.52	2412	44.43	2412	46.84	2412	47.9	2412
49.36	2412	51.78	2412	53.37	2412	55.81	2412	56.94	2412
58.98	2412	60.88	2412	61.15	2412	61.35	2412	62.75	2412
83.83	2412	86.41	2412	87.26	2411.96	87.31	2411.96	93.59	2411.69
96.86	2411.58	99.03	2411.52	101.92	2411.44	106.58	2411.36	108.35	2411.31
110.37	2411.26	114.18	2411.14	114.72	2411.12	116.8	2411.02	118.12	2411
124.28	2410.42	127.38	2410.43	127.81	2410.44	128.5	2410.45	131.23	2410.22
137.46	2410.21	143.56	2410.12	147.76	2410.06	149.45	2410.05	149.51	2410.05
149.59	2410.05	150.07	2410	150.98	2409.42	151.8	2409	153.15	2408.31
153.74	2408	155.35	2407.2	155.75	2407	156.1	2406.83	157.78	2406
158.17	2405.8	159.8	2405	160.26	2404.77	161.89	2404	163.33	2403.32
163.91	2403.1	164.23	2403	164.37	2403	166.12	2402.95	166.45	2402.95
166.72	2402.94	168.95	2403	168.98	2403	169.04	2403	169.16	2403.04
172.35	2404	173.91	2404.46	175.18	2404.86	175.61	2405	176.47	2405.99
176.49	2406	176.52	2406.04	176.59	2406.12	177.23	2407	177.62	2407.54
177.95	2408	178.64	2408.94	178.68	2409	179.13	2409.69	179.36	2410
180.11	2410.82	180.22	2410.81	180.86	2410.81	181.64	2410.77	182.06	2410.72
183.02	2410.61	183.92	2410.51	184.05	2410.49	188.83	2410	191.65	2409.68
192.16	2409.66	192.6	2409.65	196.88	2409.17	197.09	2409.17	197.37	2409.16
199.44	2409.1	199.98	2409.1	200.91	2409.06	201.65	2409.03	202.05	2409
202.11	2408.95	203.09	2408	203.11	2407.99	203.37	2407.76	204.16	2407
204.71	2406.5	205.26	2406	205.76	2405.55	206.28	2405	206.36	2404.92
207.24	2404	207.46	2403.8	208.23	2403	208.57	2402.69	209.25	2402
209.8	2401.45	210.27	2401	210.71	2400.61	211.33	2400	211.41	2399.74
212.91	2399	213.58	2398.51	214.96	2398	217.7	2397.07	217.86	2397
218.02	2396.94	220.4	2396	222.43	2395.39	223.47	2395	225.5	2394.37
226.42	2394	229.19	2393.41	230.4	2393	233.49	2392.35	234.03	2392.24
235.03	2392	235.44	2391.88	236.62	2391.5	236.94	2391.38	237.51	2391.12
237.91	2391	240.09	2390.18	240.27	2390.15	240.62	2390	241.1	2389.83
241.69	2389.75	244.2	2389	254.36	2388.15	256.87	2388	271.9	2387.61
275.38	2387.52	296.38	2387	301.94	2386.6	305.44	2386.45	317.06	2386
317.08	2386	317.11	2386	317.2	2386	317.45	2386	320.97	2385.98
331.14	2385.92	332.83	2385.93	345.12	2386	345.6	2386.07	348.21	2386.53
349.81	2387	350.42	2387.24	351.89	2388	352.86	2388.53	353.01	2388.6
353.78	2389	354.66	2389.46	355.72	2390	356.65	2390.47	356.95	2391
357.12	2391.38	357.43	2392	357.58	2392.69	357.79	2393	358.04	2393.82
358.11	2394	358.14	2394.41	358.51	2395	358.59	2395.27	358.85	2396
358.98	2396.54	359.29	2397	359.3	2397.44	359.61	2398	359.75	2398.32
359.99	2399	360.11	2399.4	360.46	2399.8	360.52	2400	360.54	2400.56
360.74	2401	360.93	2401.43	361.12	2402	361.39	2402.63	361.72	2403
361.8	2403.19	362.25	2404	362.51	2404.96	362.53	2405	362.56	2405.05
363.24	2406	363.3	2406.39	363.63	2407	363.96	2407.76	364.08	2408
364.42	2408.76	364.55	2409	364.68	2409.28	365.14	2410	365.61	2410.94
365.64	2411	366.12	2411.95	366.15	2412	366.63	2412.96	366.65	2413
366.81	2413.47	367.09	2414	367.28	2414.39	367.6	2415	367.75	2415.3
368.13	2416	368.23	2416.2	368.65	2417	368.7	2417.08	369.01	2417.66
369.19	2418	369.2	2418.01	369.76	2419	369.79	2419.05	370.33	2420
370.38	2420.09	370.9	2421	371.84	2421.93	372.97	2421.99	372.98	2421.99
372.99	2421.99	374.86	2421.96	375.01	2421.95	375.09	2421.95	381.81	2421.71
382.16	2421.72	382.62	2421.77	382.84	2421.78	383.08	2421.78	384.72	2421.77
385.33	2421.76	386.33	2421.73	391.79	2422	393.37	2422.04	393.54	2422.06
393.64	2422.06	395.31	2422.14	396.48	2422.25	397.49	2422.29	397.71	2422.31
397.97	2422.33	399.35	2422.48	403.41	2423	408.69	2423.56	412.58	2424
421.96	2424.96	422.36	2425	422.63	2425.02	432.74	2426	439.43	2426.23
440.57	2426.24	441.29	2426.24	458.67	2426.33	478.44	2426.03	481.14	2426
481.4	2426	481.63	2426	482	2425.96	491.43	2425	500.26	2424.12
501.33	2424	501.74	2423.95	510.94	2423	511.34	2422.95	518.37	2422
518.56	2421.98								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	200.91	.027	353.01	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
200.91	353.01	131.32	131.94	141.31	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2391.97	Element			
Vel Head (ft)	0.96	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2391.01	Reach Len. (ft)	131.32	131.94	141.31
Crit W.S. (ft)	2390.18	Flow Area (sq ft)		445.84	5.42
E.G. Slope (ft/ft)	0.003407	Area (sq ft)		445.84	5.42
Q Total (cfs)	3528.00	Flow (cfs)		3513.24	14.76
Top Width (ft)	119.07	Top Width (ft)		115.13	3.94
Vel Total (ft/s)	7.82	Avg. Vel. (ft/s)		7.88	2.72
Max Chl Dpth (ft)	5.09	Hydr. Depth (ft)		3.87	1.37
Conv. Total (cfs)	60446.4	Conv. (cfs)		60193.5	252.9
Length Wtd. (ft)	131.96	Wetted Per. (ft)		116.03	4.71
Min Ch El (ft)	2385.92	Shear (lb/sq ft)		0.82	0.24
Alpha	1.01	Stream Power (lb/ft s)	518.56	0.00	0.00
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.13	63.90	0.49

```
  C & E Loss (ft)              0.01    Cum SA (acres)              0.18      30.42       0.41


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 9327

INPUT
Description:
Station Elevation Data    num=     293
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2411.87     .53 2411.87    3.65 2411.85    6.02 2411.85    6.28 2411.84
    7.81 2411.84    8.13 2411.83     9.9 2411.81   11.68 2411.79   13.24 2411.75
   16.21  2411.7   16.49  2411.7   17.52 2411.67   19.59 2411.64   20.53 2411.61
   21.33 2411.57   23.98 2411.47   25.91 2411.41    46.6 2411.05   48.24    2411
   48.94 2410.99    54.8 2410.67   58.66 2410.52    59.9  2410.5   61.16 2410.49
   64.82 2410.46   71.55 2410.35    72.3 2410.34   78.72 2410.21   79.09 2410.21
   82.98 2410.16   83.17 2410.15   87.41 2410.14   87.81 2410.12   88.14  2410.1
   88.54 2410.09   88.92 2410.08   89.44 2410.07   89.88 2410.07   90.91 2410.07
  114.42 2410.11   115.1 2410.11  115.29 2410.11  115.47 2410.11   119.9 2410.02
  122.65 2410.02  123.65 2410.02  125.86 2410.02  126.88 2410.02  127.01 2410.02
  133.84 2410.03  134.51 2410.03  136.91 2410.02  143.56 2410.01  145.49    2410
  146.56    2410   146.8    2410  148.34 2409.57  150.38    2409  153.45  2408.1
  153.79    2408   153.8    2408  153.86    2408  153.96    2408  154.33    2408
  154.37    2408  161.72 2408.79  163.21    2409  163.43    2409  163.44    2409
  163.68 2409.01  171.58  2409.1  175.07 2409.12  175.49 2409.12  175.98 2409.12
  176.55 2409.12  177.75 2409.13  178.67 2409.11  179.06  2409.1  179.81 2409.11
  182.97 2409.09  183.07 2409.09  184.67 2409.09  184.82 2409.09  185.05 2409.09
   191.8 2409.05  191.83 2409.05  191.88 2409.05  195.44 2409.03  196.16 2409.03
  198.62 2409.03  202.36 2409.01  203.51 2409.01  204.08 2409.01  204.34 2409.01
  205.17    2409  207.93    2409  211.27  2408.4  213.23    2408   213.8 2407.76
  215.18    2407  215.38  2406.9   216.9    2406  217.32  2405.8  218.64    2405
  219.69 2404.52  220.62    2404  221.42 2403.59  222.67    2403  223.58 2402.35
  224.42    2402   225.4  2401.6  226.04 2401.27  226.58    2401  228.18 2400.53
   229.9    2400  231.73 2399.53  233.59    2399  236.25 2398.18  236.97    2398
     239 2397.49  240.88    2397  243.04 2396.84  243.15 2396.83  243.25 2396.81
  243.65 2396.72  244.02 2396.62   244.8  2396.4  245.18 2396.29  245.71 2396.12
  245.79 2396.11  246.09    2396  249.09 2395.57   250.3  2395.4  250.96 2395.31
  251.56 2395.24  253.04    2395  253.88 2394.84  253.99 2394.83  254.86 2394.66
  255.02 2394.66  255.58 2394.55  262.81 2394.02  263.06 2394.03  263.43 2394.03
  264.49 2394.03  266.04 2394.02  269.37    2394  270.06 2393.28  270.29    2393
  270.98 2392.28  271.22    2392  271.93 2391.13  272.03    2391  272.86 2390.09
  272.94    2390  273.78 2389.08  273.84    2389  274.28 2388.44  274.71    2388
  274.85 2387.93  277.13    2387  278.24 2386.64  278.58 2386.56  280.77    2386
  281.88 2385.98  297.27 2385.54  301.29 2385.44  304.04 2385.37  318.22    2385
  329.57 2384.65   339.5 2384.59  350.24  2384.7  350.36 2384.68  350.54    2385
  350.72 2385.67  350.73    2386  351.06 2386.87  351.06    2387  351.38 2387.94
  351.39    2388  351.74 2388.99  351.74    2389  351.77  2389.1  352.02    2390
  352.55 2390.38  353.36    2391  353.57 2391.22  354.35    2392  355.23 2392.98
  355.25    2393  355.26 2393.02  355.77 2393.64  356.04    2394  356.92 2394.88
  356.98 2394.96  357.02    2395  357.06 2395.03  357.26 2395.17   358.5    2396
     360 2396.96  360.07    2397  360.36 2397.19  361.56    2398  363.01 2398.98
  363.03    2399  363.04 2399.01  364.33    2400  364.83 2400.34  365.91    2401
  366.34 2401.29  367.58    2402  367.84 2402.17  369.32    2403  369.47 2403.09
   370.8 2403.87   371.1    2404  371.58 2404.33  372.03 2404.51  372.31 2404.66
  372.47 2404.72  372.86 2404.78   373.2 2404.82  373.33 2404.84  376.07    2405
  376.59 2405.04  376.99 2405.07  378.61 2405.33  379.13 2405.48  380.56  2405.9
  380.77 2405.96  380.85    2406  380.89 2406.03  381.71    2407  381.77 2407.06
   382.5    2408  383.05 2408.68   383.3    2409  383.46 2409.17  384.14    2410
  384.78 2410.68  385.04    2411  385.28 2411.11  386.22    2412  386.71 2412.42
  387.24    2413   387.7 2413.75  388.02    2414  388.41 2414.31  389.28    2415
  390.05 2415.61  390.44    2416  391.34 2416.71  391.64    2417  392.74  2417.7
  393.11    2418  394.67 2418.55  395.55    2419  395.87 2419.04  397.64  2419.4
  400.27 2419.89  400.66    2420  401.29  2420.1  402.62 2420.28  404.95    2421
  410.29 2421.57  414.64    2422  420.74 2422.62  423.42 2422.87  423.97 2422.92
  424.89    2423  440.26 2423.65  449.38 2423.83  449.73 2423.84  450.83 2423.87
   453.6 2423.89  455.14 2423.85  458.79 2423.74  459.73 2423.65  462.04 2423.51
  467.05    2423  470.26 2422.64  476.14    2422  480.83 2421.47  484.97    2421
  489.25 2420.53  493.96    2420  498.78 2419.46  502.74    2419  509.61 2418.15
  510.99    2418  511.52 2417.94  511.87  2417.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  226.04    .027  357.26    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        226.04  357.26            113.25  132.02  142.78            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2391.32    Element                  Left OB    Channel   Right OB
```

Vel Head (ft)	2.01	Wt. n-Val.		0.027	
W.S. Elev (ft)	2389.32	Reach Len. (ft)	113.25	132.02	142.78
Crit W.S. (ft)	2389.32	Flow Area (sq ft)		310.39	
E.G. Slope (ft/ft)	0.007307	Area (sq ft)		310.39	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	78.27	Top Width (ft)		78.27	
Vel Total (ft/s)	11.37	Avg. Vel. (ft/s)		11.37	
Max Chl Dpth (ft)	4.73	Hydr. Depth (ft)		3.97	
Conv. Total (cfs)	41272.7	Conv. (cfs)		41272.7	
Length Wtd. (ft)	132.20	Wetted Per. (ft)		82.65	
Min Ch El (ft)	2384.59	Shear (lb/sq ft)		1.71	
Alpha	1.00	Stream Power (lb/ft s)	511.87	0.00	0.00
Frctn Loss (ft)	0.84	Cum Volume (acre-ft)	0.13	62.76	0.48
C & E Loss (ft)	0.03	Cum SA (acres)	0.18	30.13	0.40

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 9195

INPUT
Description:
Station Elevation Data num= 95

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2400.47	6.18	2400	11.46	2399.57	18.73	2399	24.95	2398.5
31.14	2398	35.79	2397.63	43.55	2397	51.54	2396.34	55.56	2396
60.16	2395.61	68.1	2395	72.36	2394.67	80.51	2394	85.16	2393.62
92.59	2393	101.87	2392.14	103.6	2392	104.88	2391.91	115.49	2391
122.97	2390.3	126.41	2390	135.51	2389.17	137.38	2389	145.6	2388.34
150.09	2388	158.54	2387.28	161.44	2387.04	161.95	2387	166.04	2386.64
171.52	2386.16	173.38	2386	181.42	2385.42	187.31	2385	197.65	2384.4
202.52	2384.14	205.02	2384	206.14	2383.98	206.41	2383.98	206.63	2383.98
206.82	2383.98	207.04	2383.98	207.79	2383.97	209.4	2383.95	209.47	2383.95
209.54	2383.95	212.1	2383.93	219.17	2383.84	222.3	2383.84	228.52	2383.49
234.9	2383.19	236.21	2383.18	236.37	2383.18	239.28	2383	246.8	2382.95
250.39	2382.9	266.42	2382.64	282.97	2382.52	283.09	2382.52	283.6	2382.53
289.21	2382.62	289.36	2382.62	290.45	2382.64	291.6	2382.66	300.84	2383
307.63	2383.29	308.5	2383.3	308.81	2383.31	309.1	2383.31	312.32	2383.38
315	2383.42	315.78	2383.43	317.87	2383.45	322.16	2383.61	322.89	2383.64
331.59	2384	331.69	2384	332.92	2384	337.19	2384.17	357.34	2385
364.69	2385.39	377.64	2385.92	377.7	2385.92	377.78	2385.92	380.27	2386
400.32	2386.95	401.33	2387	406.45	2387.39	414.83	2388	417.7	2388.24
428.02	2389	434.71	2389.47	441.73	2390	450.22	2390.59	452.52	2390.76

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	171.52	.027	322.16	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
171.52	322.16	124.63	98	78.37	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2389.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	4.46	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2384.76	Reach Len. (ft)	124.63	98.00	78.37
Crit W.S. (ft)	2386.00	Flow Area (sq ft)		198.27	17.20
E.G. Slope (ft/ft)	0.056013	Area (sq ft)		198.27	17.20
Q Total (cfs)	3528.00	Flow (cfs)		3407.23	120.77
Top Width (ft)	160.17	Top Width (ft)		130.76	29.41
Vel Total (ft/s)	16.37	Avg. Vel. (ft/s)		17.19	7.02
Max Chl Dpth (ft)	2.24	Hydr. Depth (ft)		1.52	0.58
Conv. Total (cfs)	14906.9	Conv. (cfs)		14396.6	510.3
Length Wtd. (ft)	97.66	Wetted Per. (ft)		130.82	29.44
Min Ch El (ft)	2382.52	Shear (lb/sq ft)		5.30	2.04
Alpha	1.07	Stream Power (lb/ft s)	452.52	0.00	0.00
Frctn Loss (ft)	2.08	Cum Volume (acre-ft)	0.13	61.99	0.45
C & E Loss (ft)	0.02	Cum SA (acres)	0.18	29.81	0.36

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 9097

INPUT
Description:
Station Elevation Data num= 183

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2407.39	6.61	2407.3	20.2	2407	31.51	2406.81	34.38	2406.76
38.15	2406.72	53.5	2406.5	58	2406.44	63.18	2406.41	67.88	2406.4
73.27	2406.36	77.88	2406.4	83.09	2406.39	89.41	2406.43	94.32	2406.46
101.83	2406.49	109.61	2406.56	117.4	2406.57	119.92	2406.59	121.93	2406.6
124.07	2406.59	127.9	2406.59	133.64	2406.58	137.75	2406.56	140.89	2406.56
145.41	2406.53	150.84	2406.55	155.61	2406.52	158.22	2406.51	160.89	2406.51
167.89	2406.44	180.66	2406.18	189.45	2406	189.55	2406	189.63	2406
192.86	2406	196.48	2406	196.73	2406	196.87	2406	197.22	2406
197.35	2406	197.8	2406	197.89	2406	198.47	2406	198.51	2406
198.53	2406	198.86	2406	199.59	2405.83	199.85	2405.78	200.05	2405.74
203.53	2405	203.98	2404.66	204.8	2404	205.21	2403.69	206.07	2403
207.06	2402.2	207.31	2402	208.42	2401.11	208.56	2401	209.75	2400.04
209.8	2400	210.69	2399.28	211.03	2399	211.32	2398.77	211.62	2398.54
212.3	2398	212.42	2397.91	213.68	2397	214.17	2396.62	215.24	2396
215.92	2395.6	216.82	2395	217.9	2394.43	218.7	2394	220.26	2393.26
220.75	2393	221.45	2392.62	223.01	2392	224.02	2391.73	226.38	2391
227.27	2390.7	229.52	2390	231.38	2389.3	232.3	2389	233.09	2388.77
235	2388	235.84	2387.77	238.31	2387	239.29	2386.73	241.68	2386
243.16	2385.58	246.52	2385	247.71	2384.86	249.07	2384.68	250.99	2384
251.27	2383.38	251.45	2383	251.78	2382.24	251.91	2382	252.14	2381.69
252.3	2381.65	252.59	2381.63	253.24	2381.6	255.09	2381.46	255.7	2381.36
260.18	2381	261.07	2381	261.33	2381	261.36	2381	261.63	2381
261.88	2381	265.23	2381	265.32	2381	266.04	2381	267.63	2381
267.79	2381	268.19	2381	268.76	2381	269.43	2380.99	273.11	2380.99
273.39	2380.99	273.55	2380.99	273.94	2380.99	284.91	2380.99	285.69	2380.99
290.58	2380.99	302.7	2381	302.89	2381	304.16	2381	308.22	2381
308.42	2381.01	310.88	2381.1	317.54	2381.34	323.67	2381.54	332.6	2381.78
337.39	2382	342.88	2382.53	344.4	2383	346.6	2383.76	347.31	2384
349.66	2384.73	350.91	2384.69	352.64	2384.62	353.14	2384.57	354.08	2384.54
354.54	2384.51	355.54	2384.44	356.23	2384.38	356.57	2384.38	356.96	2384.34
359.07	2384.31	359.48	2384.31	362.07	2384.35	362.68	2384.38	369.53	2385
377.75	2385.85	379.25	2386	383.21	2386.39	389.45	2387	391.81	2387.21
394.11	2387.44	399.83	2388	402.82	2388.25	408.35	2388.65	410.98	2388.85
413.35	2389	417.08	2389.22	420.25	2389.38	427.46	2389.78	430.45	2389.94
431.3	2390	434.68	2390.34	441.21	2391	442.21	2391.14	442.7	2391.2
446	2391.61	449.6	2392	458.13	2392.87	459.32	2393	459.99	2393.06
460.33	2393.1	461.28	2393.2	463.46	2393.4				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	211.62	.027	359.07	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
211.62	359.07	83.07	102.6	113.11	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2386.77	Element			
Vel Head (ft)	2.52	Wt. n-Val.		0.027	
W.S. Elev (ft)	2384.25	Reach Len. (ft)	83.07	102.60	113.11
Crit W.S. (ft)	2384.96	Flow Area (sq ft)		276.91	
E.G. Slope (ft/ft)	0.013716	Area (sq ft)		276.91	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	97.80	Top Width (ft)		97.80	
Vel Total (ft/s)	12.74	Avg. Vel. (ft/s)		12.74	
Max Chl Dpth (ft)	3.26	Hydr. Depth (ft)		2.83	
Conv. Total (cfs)	30124.6	Conv. (cfs)		30124.6	
Length Wtd. (ft)	102.60	Wetted Per. (ft)		99.63	
Min Ch El (ft)	2380.99	Shear (lb/sq ft)		2.38	
Alpha	1.00	Stream Power (lb/ft s)	463.46	0.00	0.00
Frctn Loss (ft)	2.40	Cum Volume (acre-ft)	0.13	61.45	0.44
C & E Loss (ft)	0.06	Cum SA (acres)	0.18	29.55	0.33

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

```
RIVER: PershingCreek
REACH: PershingCreek      RS: 8995

INPUT
Description:
Station Elevation Data    num=     219
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2406.91   30.38 2406.37   33.82 2406.31   50.12    2406      80 2405.28
   80.99 2405.25   91.18    2405   91.36    2405   91.39    2405   92.78 2404.87
   99.45    2404  100.74 2403.29  101.32    2403   101.7 2402.81  103.23    2402
  103.29 2401.97  105.21    2401  106.65 2400.18  106.96    2400   107.3 2399.82
  107.71 2399.76  108.06 2399.71   108.1 2399.71  111.98 2399.73  112.03 2399.73
   112.1 2399.73  112.19 2399.74   113.2 2399.86  114.08 2399.99  114.18    2400
  114.24    2400  114.41 2400.07  115.68    2401  116.19 2401.45  116.78    2402
  117.43 2402.58  117.93    2403  118.67 2403.68  119.04    2404  122.65 2404.62
  122.87 2404.65  123.06 2404.68  124.14 2404.84  126.38    2405  126.79    2405
  127.44 2405.01   130.2 2405.04  130.71 2405.04  130.95 2405.04  156.97  2405.2
  159.43  2405.2  172.17 2405.06  175.85 2405.01  176.74 2405.01  177.84 2405.01
  180.55 2405.01  180.75 2405.01  180.87 2405.01  181.16 2405.01  181.55 2405.01
  181.76 2405.01     185    2405  185.11    2405  185.12    2405   185.4    2405
  185.47 2404.97  187.33 2404.07  187.48    2404  187.54 2403.97  189.58    2403
  191.27  2402.2  191.77    2402  191.91    2402  192.04    2402   192.1    2402
   192.2    2402  192.25    2402   192.3    2402  192.48    2402  192.71 2402.06
  195.83    2403  196.23 2403.12  197.31 2403.38  197.63 2403.47  198.26 2403.53
  198.56 2403.57  199.24 2403.49  199.55 2403.46  199.83 2403.39  201.07  2403.1
  201.15 2403.08  201.19 2403.06  201.42    2403  204.86 2402.19  205.23  2402.1
   205.3 2402.07  205.37 2402.05   205.4 2402.04  205.42 2402.03  205.45    2402
  205.63 2401.84  206.51    2401  206.88 2400.67  207.59    2400  208.34 2399.36
  208.51 2399.18  208.73    2399  208.81 2398.93  209.84    2398  209.98 2397.87
   210.9    2397  211.25  2396.7  211.73    2396  212.91 2395.26  213.22    2395
   213.5 2394.76  214.33    2394  214.71 2393.68  215.48    2393  216.23 2392.34
  216.62    2392  217.17 2391.67  217.33 2391.58  218.33    2391  220.15 2390.26
  220.71    2390  222.44 2389.31  223.24 2388.98  223.93 2388.68  225.72 2387.95
  226.85 2387.49  230.07 2386.15  231.88 2385.39  246.81 2383.24  249.74    2383
  250.92 2382.77   254.4    2382  255.51 2381.77  258.98    2381  260.28 2380.74
  263.68    2380   269.4 2379.87  271.25 2379.85  272.59 2379.86  278.98 2379.88
  289.45    2380  292.89 2380.03  296.12 2380.04  298.18 2380.05  299.63 2380.04
  300.35 2380.03  300.99 2380.02  303.89    2380  304.32    2380  304.35    2380
  304.37    2380  305.54    2380  306.38    2380  306.56    2380  306.94    2380
  307.39    2380  307.73    2380  309.24    2380  310.27    2380  311.58    2380
  313.02    2380  313.26    2380  313.96    2380  314.14    2380  314.24    2380
  314.41    2380  314.52    2380  314.55    2380  314.59    2380  316.18 2379.91
  319.21 2379.73  320.19 2379.72  321.19 2379.67  322.18 2379.62  334.05 2379.34
  339.28 2379.27  339.97 2379.28  346.82 2379.27  349.06 2379.32  352.36  2379.4
  361.76    2380  361.78 2380.13  361.91    2381  361.94 2381.14  364.88    2382
  365.87 2382.13   370.9  2382.8  372.41    2383  374.19 2383.24  379.84    2384
  380.42 2384.08  380.91 2384.15  386.93    2385  387.35 2385.06  393.53    2386
  394.46 2386.14  400.21    2387  405.53 2387.77  407.09    2388  409.06 2388.26
  414.33    2389  416.92 2389.35  421.95    2390  428.73 2390.86  429.84    2391
  431.01 2391.15  437.13    2392  440.81 2392.51   444.2    2393  445.81 2393.26
  450.43    2394  458.09 2394.81  459.92    2397  487.49    2398

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  217.33    .027  365.87    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        217.33  365.87             89.82   109.8  114.29            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2385.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.82    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2382.26    Reach Len. (ft)           89.82     109.80    114.29
  Crit W.S. (ft)           2383.10    Flow Area (sq ft)                   261.65      0.07
  E.G. Slope (ft/ft)      0.019837    Area (sq ft)                        261.65      0.07
  Q Total (cfs)            3528.00    Flow (cfs)                         3527.93      0.07
  Top Width (ft)            113.67    Top Width (ft)                      112.66      1.00
  Vel Total (ft/s)           13.48    Avg. Vel. (ft/s)                    13.48      0.98
  Max Chl Dpth (ft)           2.99    Hydr. Depth (ft)                     2.32      0.07
  Conv. Total (cfs)        25049.0    Conv. (cfs)                        25048.5       0.5
  Length Wtd. (ft)           109.80    Wetted Per. (ft)                    114.05      1.01
  Min Ch El (ft)           2379.27    Shear (lb/sq ft)                      2.84      0.08
  Alpha                       1.00    Stream Power (lb/ft s)    487.49      0.00      0.00
  Frctn Loss (ft)             1.68    Cum Volume (acre-ft)        0.13     60.82      0.44
  C & E Loss (ft)             0.00    Cum SA (acres)              0.18     29.31      0.33


Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
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REACH: PershingCreek      RS: 8885

INPUT
Description:
Station Elevation Data    num=     275
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2406.34   18.49    2406   22.59 2405.93   82.35    2405   86.87 2404.93
   87.46 2404.92   88.32  2404.9   89.89 2404.86   90.26 2404.85    90.9 2404.83
   91.99  2404.8   95.01 2404.73   97.23 2404.67   99.13 2404.62  101.79 2404.55
  105.92 2404.45  106.61 2404.43  107.35 2404.41  120.86  2404.1   121.1 2404.09
  121.25 2404.08  125.15    2404  125.94 2403.99  126.51 2403.99   127.3    2404
  127.67    2404   128.7    2404  129.15    2404  129.49    2404  130.38 2403.97
  130.39 2403.97  130.41 2403.97  130.91 2403.95  133.01 2403.86  140.86  2403.5
  148.33    2403  148.73 2402.56   149.2    2402  149.72 2401.37  150.07    2401
  150.63 2400.31  150.93    2400  151.23 2399.64  151.75    2399  152.37 2398.25
  152.59    2398  152.78 2397.78   153.3    2397  153.74 2396.51  154.18    2396
  154.61 2395.48  155.03    2395  155.58 2394.33  155.86    2394  156.43 2393.89
  156.74 2393.82  156.97 2393.86   157.6    2394  158.47 2394.95  158.53    2395
  159.28  2395.9  159.36    2396  160.35 2396.91  160.46    2397  161.02 2397.31
  161.57 2397.61  162.39    2398  162.93 2398.26  163.61 2398.61  164.33 2398.94
  164.45    2399  166.41 2399.99  166.43    2400  167.98 2400.76  168.45    2401
  169.57 2401.58  170.32 2401.96   170.4    2402  170.46 2402.04  172.09    2403
  173.47 2403.23  174.46 2403.41   177.4 2403.68  178.08 2403.77  180.43 2403.99
  180.55    2404  183.19 2404.01  183.37 2404.01  187.92 2404.05   190.7 2404.05
  193.16 2404.05  197.76 2404.06  201.74 2404.05  203.24 2404.05  206.21 2404.03
  208.65    2404  209.31 2403.08  209.36    2403  209.98 2402.05  210.02    2402
  210.32  2401.6  210.68    2401  211.25 2400.13  211.32    2400  211.39 2399.91
  211.52 2399.67  211.88    2399  212.28  2398.4  212.54    2398  212.94 2397.38
  213.13    2397  213.22 2396.85  213.65    2396  213.88 2395.62  214.26    2395
   214.5  2394.6  214.87    2394  215.11 2393.59  215.47    2393  215.81 2392.45
  216.05    2392  216.28 2391.62  216.63    2391   216.9 2390.56  217.26    2390
  217.53 2389.56  217.88    2389  218.52 2388.44  219.03    2388  220.05 2387.33
  220.41    2387  221.98 2386.08  222.09    2386  222.25 2385.86  223.46    2385
   223.8  2384.7  225.37    2384   229.2 2383.05  229.41    2383  229.75 2382.92
   229.9 2382.89  230.31 2382.78  233.15    2382  236.34  2381.2  237.24    2381
   238.4 2380.79  240.16 2380.48  241.49 2380.26  243.75    2380  244.71 2379.79
  248.54    2379  251.56 2378.36  253.23    2378  256.36 2377.96  257.73 2377.95
  259.52 2377.97  260.18 2377.97   262.1 2377.99  262.34 2377.99  263.04    2378
  264.27    2378   264.8    2378  265.84 2378.01  267.57 2378.01  267.92 2378.01
   268.3 2378.02  268.55 2378.02  277.49 2378.04  285.13 2378.06  294.16 2378.03
  299.22 2378.01  301.42    2378  302.08    2378  302.38 2377.99     319  2377.9
  324.46 2377.92  336.51    2378  340.37 2378.55  345.78 2378.73   345.8 2378.74
  352.47    2379  352.72 2379.87  352.75    2380  352.98 2380.99  352.98    2381
  352.98 2381.01  353.04 2381.22  353.31    2382  353.35 2382.09  353.68    2383
  353.85 2383.26  354.47    2384  354.94 2384.45  355.11    2385  355.35 2385.43
  355.96 2385.75  356.22 2385.86  356.56 2385.95  356.85    2386  357.34 2386.14
  360.39    2387   361.4  2387.3  362.82 2387.69  363.54 2387.95  363.57 2387.96
  363.66    2388  363.71 2388.02  364.15 2388.21  366.01    2389  367.09 2389.45
  368.38    2390  369.78 2390.62  370.33    2391  371.05 2391.59  371.56    2392
  371.79 2392.17  371.89 2392.29  372.65    2393  373.61  2393.8  373.86    2394
     375 2394.93   375.1    2395  376.06 2395.92  376.15    2396  376.46 2396.39
  377.13    2397  377.68 2397.54  378.13    2398  379.06 2398.86  379.43    2399
  379.69 2399.05  379.87 2399.14   380.4 2399.34  381.18 2399.21  381.27 2399.23
   381.4  2399.2  381.94    2399  382.64 2398.74  384.62    2398  385.21  2397.8
  387.32    2397  387.91  2396.8  388.06 2396.74  389.57    2396  389.99  2395.8
  390.07 2395.76  390.22 2395.74  390.69  2395.6  391.01 2395.58  391.78 2395.46
  392.67 2395.32  393.86    2395  394.64 2394.82  395.13  2394.7  397.07 2394.34
  398.44 2394.03  401.05 2394.05  403.99 2394.21  404.23 2394.21  406.34 2394.38
  408.39 2394.57  411.97    2395  417.75 2395.67  420.59    2396   429.5    2397
  429.51    2397  429.54    2397  437.54 2397.87  438.97    2398  446.37 2398.63
  450.37    2399  450.94 2399.06  461.38    2400  475.55    2397  488.88    2397

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  211.52    .027  364.15    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        211.52  364.15           125.76    83.4   58.85            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2383.16    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.40    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2380.76    Reach Len. (ft)          125.76      83.40      58.85
  Crit W.S. (ft)           2381.39    Flow Area (sq ft)                   283.99
  E.G. Slope (ft/ft)      0.015451    Area (sq ft)                        283.99
  Q Total (cfs)            3528.00    Flow (cfs)                         3528.00
  Top Width (ft)            114.37    Top Width (ft)                      114.37
  Vel Total (ft/s)           12.42    Avg. Vel. (ft/s)                     12.42
  Max Chl Dpth (ft)           2.86    Hydr. Depth (ft)                     2.48
  Conv. Total (cfs)        28382.3    Conv. (cfs)                        28382.3
  Length Wtd. (ft)           83.40    Wetted Per. (ft)                    116.05
  Min Ch El (ft)           2377.90    Shear (lb/sq ft)                     2.36
  Alpha                       1.00    Stream Power (lb/ft s)    488.88     0.00       0.00
  Frctn Loss (ft)             1.91    Cum Volume (acre-ft)        0.13     60.13      0.44
  C & E Loss (ft)             0.01    Cum SA (acres)              0.18     29.02      0.33
```

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8802

INPUT
Description:
Station Elevation Data num= 202

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2402.85	19.8	2402.88	20.53	2402.88	21.39	2402.88	30.45	2402.87
32.58	2402.85	36.96	2402.86	40.83	2402.83	46.21	2402.77	52.44	2402.68
57.5	2402.67	59.97	2402.66	63.03	2402.64	75.56	2402.5	79.79	2402.44
84.7	2402.37	102.48	2402.07	103.16	2402.06	103.53	2402.05	106.64	2402.01
107.72	2402	108.19	2402	109.32	2402	109.45	2402	114.16	2401.96
123.72	2401.94	124.12	2401.94	145.58	2401.84	146.31	2401.84	156.46	2401.68
159.16	2401.77	160.93	2401.87	164.65	2402	167.61	2402	173.22	2402
176.14	2401.08	176.24	2401	176.54	2400.51	176.8	2400	177.09	2399.4
177.26	2399	177.43	2398.59	177.68	2398	178.08	2397.04	178.09	2397
178.15	2396.88	178.44	2396.14	178.49	2396	178.79	2395.26	178.89	2395
179.15	2394.35	179.29	2394	179.52	2393.43	179.69	2393	179.89	2392.48
180.09	2392	180.41	2391.56	180.69	2391	181.22	2390.51	181.65	2390.11
181.75	2390	181.87	2389.9	182.85	2389	183.13	2388.77	184.05	2388
184.89	2387.26	185.17	2387	186.13	2386.25	186.42	2386	186.99	2385.74
188.73	2385	190.7	2384.2	191.18	2384	193.46	2383.08	193.66	2383
196.12	2382.01	196.14	2382	196.15	2382	196.16	2381.99	198.54	2381
199.26	2380.86	204.02	2380	206.18	2379.51	209.03	2379	211.44	2378.3
212.54	2378	212.65	2378	221.15	2377.68	240.22	2377	241.08	2376.65
241.38	2376.63	241.72	2376.61	243.68	2376.43	244.85	2376.36	246.14	2376.44
248.17	2376	249.39	2376	250.76	2376	251.67	2375.99	251.82	2375.99
251.84	2375.99	252.04	2375.99	252.08	2375.99	255.33	2375.98	256.98	2375.99
259.8	2376	263.13	2376.57	263.6	2376.6	270.19	2377	280.58	2377.02
281.87	2377.03	285.93	2377.04	286.54	2377.04	287.06	2377.03	288.55	2377.03
289.23	2377.03	297.25	2377.18	300.86	2377	304.44	2376.9	306.58	2376.86
307.87	2376.82	308.49	2376.83	313.15	2377	317.63	2377.4	321.37	2377.43
324.87	2377.44	329.53	2377.48	335.05	2377.52	337.67	2378.05	349.53	2380.13
350.23	2380.85	354.82	2381.21	363.42	2384.41	363.68	2384.93	371.03	2387.36
371.26	2387.43	372.43	2387.82	373.87	2388.57	374.5	2388.97	376.11	2390
377.19	2390.68	377.69	2391	377.82	2391.08	379.49	2392	380.24	2392.49
380.87	2393	381.52	2393.7	381.84	2394	382.08	2394.65	382.39	2395
382.9	2395.63	383.19	2396	383.4	2396.21	384.04	2397	384.58	2397.85
384.73	2398	384.89	2398.19	385.54	2399	385.74	2399.2	386.37	2400
386.59	2400.24	387.11	2401	387.31	2401.21	387.96	2402	396.43	2402.03
399.93	2402.04	401.87	2402.04	402.89	2402.04	403.47	2402.03	405.23	2402.03
407	2402.03	409.59	2402.03	416.45	2402.01	417.05	2402.01	417.73	2402.01
417.87	2402.01	420.25	2402	420.74	2402.02	421.3	2402	422.3	2401.93
422.34	2401.93	424.13	2401.87	424.21	2401.87	426.2	2401.84	426.33	2401.85
426.51	2401.86	428.72	2401.87	431.1	2401.94	432.29	2402	433.65	2402.06
433.73	2402.06	433.82	2402.07	435.4	2402.16	446.57	2402.81	448.97	2402.92
451.32	2403	451.78	2403.02	454.09	2403.08	456.36	2403.12	469.51	2403.35
472.52	2403.39	474.28	2403.43						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	181.22	.027	371.26	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
181.22	371.26	162.96	137.24	119.47	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2381.69	Element			
Vel Head (ft)	2.46	Wt. n-Val.		0.027	
W.S. Elev (ft)	2379.23	Reach Len. (ft)	162.96	137.24	119.47
Crit W.S. (ft)	2379.93	Flow Area (sq ft)		280.02	
E.G. Slope (ft/ft)	0.020236	Area (sq ft)		280.02	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	136.60	Top Width (ft)		136.60	
Vel Total (ft/s)	12.60	Avg. Vel. (ft/s)		12.60	
Max Chl Dpth (ft)	3.25	Hydr. Depth (ft)		2.05	
Conv. Total (cfs)	24801.1	Conv. (cfs)		24801.1	
Length Wtd. (ft)	137.24	Wetted Per. (ft)		137.15	
Min Ch El (ft)	2375.98	Shear (lb/sq ft)		2.58	
Alpha	1.00	Stream Power (lb/ft s)	474.28	0.00	0.00
Frctn Loss (ft)	1.47	Cum Volume (acre-ft)	0.13	59.59	0.44
C & E Loss (ft)	0.00	Cum SA (acres)	0.18	28.78	0.33

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8664

INPUT
Description:
Station Elevation Data num= 246

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2398.56	7.95	2398.54	14.77	2398.55	22.27	2398.59	27.64	2398.62
32.96	2398.67	38.53	2398.73	51.06	2398.88	54.63	2398.9	56.59	2398.92
58.28	2398.94	59.78	2398.95	61.19	2398.96	61.78	2398.96	63.14	2398.96
63.38	2398.97	63.61	2398.97	65.11	2398.96	65.34	2398.96	65.57	2398.96
65.78	2398.96	66	2398.96	92.01	2398.91	98.64	2398.83	104.47	2398.8
131.59	2398.6	132.98	2398.58	133.97	2398.58	138.38	2398.49	146.17	2398.25
151.17	2398	151.54	2397.35	151.71	2397	151.83	2396.77	152.2	2396
152.41	2395.66	152.74	2395	153.19	2394.22	153.29	2394	153.32	2393.96
153.71	2393	154.13	2392.22	154.26	2392	154.44	2391.75	154.85	2391
155.05	2390.66	155.42	2390	155.66	2389.61	156	2389	156.28	2388.55
156.59	2388	156.93	2387.48	157.2	2387	157.64	2386.13	157.71	2386
158.15	2385.25	158.32	2385	158.43	2384.85	158.63	2384.57	159.02	2384
159.6	2383.22	159.76	2383	160.03	2382.65	160.55	2382.03	160.58	2382
161.34	2381.17	161.5	2381	162.14	2380.19	162.37	2380	162.63	2379.73
163.25	2379	163.83	2378.34	164.38	2378	164.71	2377.56	165.29	2377
165.81	2376.45	166.34	2376	166.81	2375.49	167.32	2375	167.84	2374.43
168.35	2374	170.38	2374	172.41	2374	172.97	2374	173.55	2374
175.11	2374	176.15	2374	182.31	2374	188.43	2374.03	189.61	2374.03
190.95	2374.03	192.36	2374.02	194.39	2374.02	197.64	2374	198.92	2374
200.07	2374	200.69	2374	201.39	2374	201.86	2374	202.52	2374
202.55	2374	202.66	2374	203.14	2374.01	203.18	2374.01	203.94	2374.02
204.1	2374.02	206.52	2374.18	206.7	2374.18	206.93	2374.18	207.16	2374.18
215.81	2374.4	221.11	2374.49	221.67	2374.49	227.82	2374.37	238.11	2374.15
238.42	2374.14	239.56	2374.19	242.91	2374.42	243.18	2374.49	243.37	2374.48
243.66	2374.54	244.07	2374.55	244.32	2374.58	244.79	2374.6	245.19	2374.63
245.45	2374.62	245.93	2374.65	246.34	2374.67	247.03	2374.61	247.4	2374.58
253.19	2374.12	254.79	2374	255.15	2374	255.89	2374	256.89	2374
257.29	2374	257.4	2374	257.86	2374.04	268.16	2375	280.23	2375.1
281.84	2375.13	296.12	2375.26	296.25	2375.26	296.44	2375.28	296.64	2375.29
299.38	2375.6	299.92	2375.57	300.44	2375.64	301.04	2375.71	301.57	2375.73
302.36	2375.83	303.74	2375.98	303.98	2376	305.13	2376.06	306.68	2376.12
312.9	2376.38	316.49	2376.57	324.18	2377	324.56	2377	325.74	2377.57
326.59	2378	328.07	2378.73	328.59	2378.98	328.63	2379	328.67	2379.02
328.88	2379.13	330.73	2380	332.53	2380.87	333.12	2381	335.64	2381.47
338.22	2382	338.24	2382	339.08	2382.14	339.81	2382.23	340.03	2382.25
342.42	2382.39	345	2382.55	345.86	2382.61	346.42	2382.66	346.81	2382.69
347.24	2382.74	349.23	2383	349.66	2383.17	349.83	2383.22	350.25	2383.41
350.4	2383.47	350.99	2384	351.45	2384.42	351.62	2384.61	352.08	2385
352.23	2385.11	353.14	2386	353.85	2386.61	354.08	2386.81	354.29	2387
354.72	2387.42	355.53	2388	355.94	2388.4	356.4	2389	356.9	2389.44
357.32	2390	357.73	2390.61	358.24	2391	358.63	2391.54	359.05	2392
359.45	2392.7	359.7	2393	359.89	2393.3	360.37	2394	360.63	2394.36
361.07	2395	361.47	2395.67	361.69	2396	362.16	2396.59	362.44	2397
362.69	2397.36	363.1	2398	363.77	2398.86	363.86	2399	365.16	2399.43
366.16	2400	366.29	2400	366.4	2400	374.63	2400.47	378.53	2400.69
381.05	2400.81	384.28	2401	388.73	2401.2	391.04	2401.31	399.01	2402
403.65	2402.45	408.76	2403	413.9	2403.49	417.95	2404	423.15	2404.36
424.72	2404.42	433.74	2404.77	435.18	2404.84	436.01	2404.88	436.57	2404.89
437.18	2404.91	437.66	2404.9	438.29	2404.88	439.06	2404.92	439.71	2404.93
445.76	2404.23								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	158.63	.027	354.08	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
158.63	354.08	214.51	219.28	210.76	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2378.88	Element			
Vel Head (ft)	2.30	Wt. n-Val.		0.027	
W.S. Elev (ft)	2376.58	Reach Len. (ft)	214.51	219.28	210.76
Crit W.S. (ft)	2377.24	Flow Area (sq ft)		289.69	
E.G. Slope (ft/ft)	0.020745	Area (sq ft)		289.69	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	150.89	Top Width (ft)		150.89	
Vel Total (ft/s)	12.18	Avg. Vel. (ft/s)		12.18	
Max Chl Dpth (ft)	2.58	Hydr. Depth (ft)		1.92	
Conv. Total (cfs)	24494.8	Conv. (cfs)		24494.8	
Length Wtd. (ft)	219.28	Wetted Per. (ft)		152.11	
Min Ch El (ft)	2374.00	Shear (lb/sq ft)		2.47	
Alpha	1.00	Stream Power (lb/ft s)	445.76	0.00	0.00
Frctn Loss (ft)	2.81	Cum Volume (acre-ft)	0.13	58.69	0.44
C & E Loss (ft)	0.00	Cum SA (acres)	0.18	28.33	0.33

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8445

INPUT
Description:
Station Elevation Data num= 174

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2394.46	5.79	2394.49	10.3	2394.53	18.19	2394.6	24.05	2394.67
31.73	2394.73	49.87	2395	64.58	2395.21	67.21	2395.24	67.49	2395.24
71.7	2395.28	72.01	2395.28	72.28	2395.28	88.7	2395.39	89.93	2395.38
91.11	2395.38	96.84	2395.38	102.57	2395.38	113.25	2395.22	127.67	2395
128.78	2395	128.79	2395	128.81	2395	128.83	2395	128.84	2395
128.88	2394.85	129.1	2394	129.26	2393.24	129.31	2393	129.45	2392.29
129.51	2392	129.58	2391.65	129.71	2391	129.79	2390.57	129.91	2390
130.01	2389.48	130.11	2389	130.23	2388.39	130.31	2388	130.45	2387.28
130.51	2387	130.68	2386.15	130.71	2386	130.91	2385.01	130.91	2385
130.92	2384.96	131.13	2384	131.14	2383.92	131.28	2383.3	131.34	2383
131.38	2382.81	131.56	2382	131.63	2381.69	131.78	2381	131.88	2380.53
132	2380	132.14	2379.34	132.21	2379	132.34	2378.46	132.43	2378
132.48	2377.75	132.56	2377.21	132.58	2377	132.58	2376.98	132.71	2376
132.83	2375.06	132.84	2375	132.96	2374.08	132.97	2374	132.98	2373.92
133.1	2373	133.11	2372.9	133.23	2372	151.14	2371.51	169.3	2371
180.78	2370.98	183.18	2370.97	189.74	2370.95	192.32	2370.96	211.42	2370.85
213.16	2370.86	214.29	2370.85	214.73	2370.85	216.5	2370.85	216.8	2370.85
218.47	2370.84	220.41	2370.83	220.68	2370.82	223.21	2370.79	225.99	2370.76
229.89	2370.7	233.47	2370.64	265.13	2370	273.77	2369.69	275.97	2369.58
278.78	2369.43	281.31	2369.29	283.1	2369.21	284.91	2369.13	286.13	2369.11
287.22	2369.12	287.71	2369.15	288.66	2369.29	292.19	2370	297.39	2370.08
300.27	2370.09	304.07	2370.04	306.76	2370	312.21	2369.98	315.36	2369.98
323.59	2370	323.93	2370	324.07	2370.02	326.17	2370.3	330.91	2370.93
331.26	2370.98	331.44	2371	362.78	2371.65	363.98	2371.67	367.47	2371.73
371.04	2371.82	378.94	2372	380.34	2372.68	381.42	2373	382.83	2373.79
383.22	2374	383.57	2374.21	385.08	2375	386.31	2375.75	386.79	2376
387.06	2376.16	388.41	2377	389.16	2377.37	389.93	2377.76	390.3	2378
391.65	2378.76	392.08	2379	393.33	2379.86	393.56	2380	394.02	2380.29
394.62	2381	395.15	2381.81	395.31	2382	395.74	2382.79	395.94	2383
396.51	2383.82	396.6	2384	397.46	2384.93	397.5	2385	397.54	2385.08
398	2385.55	398.34	2386	398.6	2386.34	399.05	2387	399.86	2387.94
399.9	2388	400	2388.12	400.66	2389	401.08	2389.55	401.42	2390
401.99	2390.76	402.15	2391	402.75	2391.93	402.78	2392	403.34	2392.88
403.4	2393	403.45	2393.11	404	2394	404.93	2394.11	408.15	2394.21
410.77	2394.27	413.86	2394.24	425.59	2394	448.68	2393.65		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	131.28	.027	389.16	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
131.28	389.16	181.29	163.06	161.38	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2373.86	Element			
Vel Head (ft)	1.76	Wt. n-Val.		0.027	
W.S. Elev (ft)	2372.10	Reach Len. (ft)	181.29	163.06	161.38
Crit W.S. (ft)	2372.60	Flow Area (sq ft)		331.30	
E.G. Slope (ft/ft)	0.025207	Area (sq ft)		331.30	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	245.92	Top Width (ft)		245.92	
Vel Total (ft/s)	10.65	Avg. Vel. (ft/s)		10.65	
Max Chl Dpth (ft)	2.99	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	22221.4	Conv. (cfs)		22221.4	
Length Wtd. (ft)	163.06	Wetted Per. (ft)		246.23	
Min Ch El (ft)	2369.11	Shear (lb/sq ft)		2.12	
Alpha	1.00	Stream Power (lb/ft s)	448.68	0.00	0.00
Frctn Loss (ft)	5.00	Cum Volume (acre-ft)	0.13	57.13	0.44
C & E Loss (ft)	0.02	Cum SA (acres)	0.18	27.33	0.33

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8282

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INPUT
Description:
Station Elevation Data    num=     210
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2390.75      .8 2390.75     8.4 2390.79   17.09 2390.81   38.81 2390.96
   38.93 2390.96   39.05 2390.96   39.53 2390.96   41.71 2390.97   41.93 2390.97
   42.19 2390.97   80.51 2390.97   80.75 2390.97   80.98 2390.97   88.48 2390.99
   91.11    2391   95.22 2391.02  101.31 2391.08  102.78  2391.1   120.1 2391.31
  122.06 2391.31  123.99 2391.31  128.48 2391.35  132.52 2391.37  136.69 2391.38
  141.39 2391.37  146.25 2391.36  156.89 2391.31  160.92 2391.28   165.3 2391.25
  165.53 2391.24  166.04 2391.24  169.74  2391.3  176.73 2391.46  177.38 2391.46
  179.73 2391.53  186.34 2391.56  188.13 2391.44  191.26 2391.22   191.9 2391.36
  192.01 2391.39  192.05  2391.4  192.12  2391.4  192.71    2391  193.17 2390.54
   193.4 2390.32  193.72    2390  194.46 2389.27  194.73    2389  195.52 2388.22
  195.74    2388  196.59 2387.16  196.75    2387  197.66  2386.1  197.76    2386
  198.73 2385.05  198.78    2385  198.81 2384.95  199.77    2384  199.81 2383.95
  200.77    2383  201.75 2382.03  201.77    2382  201.81 2381.96  202.78    2381
  203.76 2380.04  203.79    2380  204.87    2379  205.43 2378.34   205.8    2378
  206.47 2377.42  206.85    2377  207.67  2376.1  207.73    2376  208.15 2375.21
  208.23    2375  208.28 2374.92  208.38 2374.58  208.63    2374  208.75 2373.78
  208.98    2373  209.26 2372.48  209.46    2372  209.79 2371.41  209.96    2371
  210.34 2370.32  210.48    2370  210.93 2369.23  211.03    2369  216.53 2368.83
  218.07 2368.78  223.82  2368.6  226.98  2368.5  231.09 2368.37  235.96 2368.23
  237.24 2368.19  238.08 2368.17  238.89 2368.14  245.01    2368  246.71    2368
  247.32    2368  247.55    2368  248.84 2367.99  250.97 2367.99  252.14 2367.99
   254.3 2367.99  255.17 2367.98  255.78 2367.98  256.76 2367.98  257.02 2367.98
  258.47 2367.98  260.96 2367.93  274.58 2367.68  277.12 2367.67   284.6  2367.7
  288.22 2367.72  293.28 2367.78  303.87    2368  304.61 2368.02  305.08 2368.02
  305.71 2368.01  307.79 2368.01  309.07    2368  311.71 2367.81  326.87    2367
  327.29    2367  328.18    2367  329.73    2367  332.62    2367  337.88    2367
  344.32    2367  345.31    2367  346.76    2367  347.26    2367  349.14    2367
  351.91    2367     354    2367  356.64    2367  362.66 2366.99  363.42 2366.99
  363.79 2366.99  369.43    2367  369.54    2367  370.32    2367  373.13    2367
  379.84 2367.33  385.85  2367.6  386.52 2367.63  388.89    2368  389.28 2368.64
  389.44    2369  389.59  2369.3  390.01    2370  390.43 2370.58  390.64    2371
  390.81 2371.34  391.26    2372  391.31 2372.11  391.45 2372.38  391.82    2373
  391.94 2373.81  392.03    2374  392.08 2374.55  392.23    2375  392.32 2375.47
  392.49    2376  392.65 2376.96  392.65    2377  392.67 2377.13   392.9    2378
  393.06 2378.75  393.16    2379  393.22 2379.19   393.4    2380  393.44 2380.29
  393.65    2381  393.75 2381.69  393.85    2382  393.93 2382.27  394.15    2383
  394.27 2383.39  394.39    2384  394.52 2384.41  394.64    2385  394.74 2385.66
  394.85    2386  394.97 2386.37  395.18    2387  395.34 2387.52  395.43    2388
  395.53 2388.71  395.62    2389   395.7 2389.39  395.92    2390  395.94 2390.37
  396.13    2391  396.33 2391.67  396.39    2392  400.22    2392  405.21 2392.01
  407.75    2392  413.01    2392  416.84 2391.91  422.96 2391.77  427.53 2391.68
  432.11  2391.6  434.67 2391.58  437.57 2391.54  450.58 2391.37   469.3 2391.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  193.17    .027  391.31    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        193.17  391.31           139.91  141.41  148.28            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2371.16    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.42    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2369.74    Reach Len. (ft)          139.91     141.41     148.28
  Crit W.S. (ft)           2369.97    Flow Area (sq ft)                   369.02
  E.G. Slope (ft/ft)      0.011655    Area (sq ft)                        369.02
  Q Total (cfs)            3528.00    Flow (cfs)                         3528.00
  Top Width (ft)            179.22    Top Width (ft)                      179.22
  Vel Total (ft/s)            9.56    Avg. Vel. (ft/s)                      9.56
  Max Chl Dpth (ft)           2.75    Hydr. Depth (ft)                      2.06
  Conv. Total (cfs)        32679.3    Conv. (cfs)                       32679.3
  Length Wtd. (ft)          141.44    Wetted Per. (ft)                    180.79
  Min Ch El (ft)           2366.99    Shear (lb/sq ft)                      1.49
  Alpha                       1.00    Stream Power (lb/ft s)    469.30      0.00       0.00
  Frctn Loss (ft)             2.69    Cum Volume (acre-ft)        0.13      55.82      0.44
  C & E Loss (ft)             0.01    Cum SA (acres)              0.18      26.53      0.33


Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 8141

INPUT
Description:
```

Station Elevation Data num= 225

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2388.94	4.06	2388.9	34.41	2388.65	52.4	2388.43	55.83	2388.4
61.85	2388.33	76.36	2388.24	80.44	2388.18	85.28	2388.1	90.22	2388
96.25	2387.98	101.1	2387.97	109.38	2387.99	111.41	2388	112.64	2388.06
113.27	2388.11	115.6	2388.27	125.55	2388.92	126.47	2389	127.04	2389
130.4	2389	132.33	2389	133.03	2389	134.01	2389	138.65	2389.01
142.47	2389.01	143.05	2389.01	143.74	2389.01	161.92	2389	161.93	2389
161.94	2389	169.64	2388.2	171.31	2388	171.44	2387.92	172.51	2387.22
172.55	2387.19	172.88	2387	173.3	2386.71	174.38	2386	174.83	2385.7
175.14	2385.45	175.65	2385	176.71	2384.04	176.75	2384	176.77	2383.98
177.78	2383	178.28	2382.6	178.9	2382	179.14	2381.8	180	2381
180.7	2380.25	180.88	2380	181.64	2379.17	181.77	2379	182.51	2378.09
182.58	2378	183.32	2377.1	183.41	2377	183.53	2376.87	184.35	2376
184.74	2375.58	185.23	2375.25	185.43	2375.12	185.5	2375.09	185.74	2375
186.53	2374.71	186.86	2374.56	187.93	2374	187.96	2373.99	188.64	2373.56
189.56	2373	189.62	2372.97	189.64	2372.96	190.38	2372.51	191.31	2372
191.77	2371.82	192.8	2371.26	192.99	2371.15	193.06	2371.1	193.12	2371.05
193.14	2371.04	193.24	2371	195.87	2370.02	195.93	2370	196.31	2369.87
198.64	2369	199.7	2368.85	199.97	2368.83	200.54	2368.8	203.95	2368.42
216.43	2368.04	217.05	2368	217.15	2368	217.27	2368	219.1	2367.94
220.48	2367.93	223.41	2367.83	227.81	2367.72	250.57	2367.12	252.65	2367.06
253.37	2367.04	254.97	2367	269.09	2366.27	271.37	2366.17	272.46	2366.12
275.46	2366	275.49	2366	275.72	2365.99	276.03	2365.98	289.48	2365.45
289.83	2365.44	289.99	2365.43	295.94	2365.24	296.66	2365.21	297.22	2365.19
297.71	2365.17	298.23	2365.15	298.71	2365.14	302.59	2365	306.03	2364.05
306.15	2364	306.4	2364	306.46	2364	306.52	2364	307.12	2364
310.3	2364	311.08	2364	312.61	2363.99	313.58	2363.99	315.26	2363.99
316.65	2363.99	318.49	2363.99	321.26	2364	323.4	2364	324.04	2364
324.74	2364	328.21	2364.23	330.24	2364.35	331.81	2364.45	341.3	2364.84
342.19	2364.88	342.98	2364.91	343.35	2364.94	344.2	2365	344.23	2365
344.27	2365	344.4	2365	344.83	2365	345.01	2365	345.37	2365.02
346.12	2365.04	382.77	2365.69	398.85	2365.12	400.41	2365.04	401.49	2365
402.64	2364.87	407.62	2364.47	411.96	2364.11	412.17	2364.08	412.27	2364.07
413.45	2364	421.65	2363.99	424.66	2363.99	427.07	2364	427.86	2364
439.49	2364.63	445.82	2365	448.65	2365.17	453.4	2365.49	461.23	2366
463.28	2366.98	463.32	2367	463.46	2367.05	463.47	2367.06	465.05	2368
465.1	2368.11	465.13	2368.22	465.24	2368.63	465.27	2369	465.27	2369.1
465.3	2370	465.31	2370.62	465.42	2374	465.43	2374.52	465.45	2375
465.46	2375.57	465.47	2376	465.48	2376.62	465.49	2377	465.51	2377.66
465.52	2378	465.53	2378.69	465.54	2379	465.55	2379.73	465.56	2380
465.57	2380.76	465.58	2381	465.59	2381.79	465.6	2382	465.61	2382.81
465.62	2383	465.63	2383.84	465.63	2384	465.65	2384.86	465.65	2385
465.67	2385.88	465.67	2386	465.68	2386.93	465.68	2387	465.71	2387.97
465.71	2388	465.84	2388	467.09	2388.01	468.03	2388.01	469.18	2388
469.94	2388	471.11	2388	474.92	2387.99	477.45	2387.99	480.04	2387.99
482.14	2388	495.05	2388.23	497.34	2388.27	499.83	2388.31	518.77	2388.61

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	188.64	.027	453.4	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
188.64	453.4	70.64	86.82	138.25	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2368.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.26	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2366.47	Reach Len. (ft)	70.64	86.82	138.25
Crit W.S. (ft)	2367.17	Flow Area (sq ft)		288.64	5.92
E.G. Slope (ft/ft)	0.027450	Area (sq ft)		288.64	5.92
Q Total (cfs)	3528.00	Flow (cfs)		3496.38	31.62
Top Width (ft)	197.02	Top Width (ft)		188.20	8.82
Vel Total (ft/s)	11.98	Avg. Vel. (ft/s)		12.11	5.34
Max Chl Dpth (ft)	2.48	Hydr. Depth (ft)		1.53	0.67
Conv. Total (cfs)	21293.9	Conv. (cfs)		21103.0	190.9
Length Wtd. (ft)	87.06	Wetted Per. (ft)		188.50	8.94
Min Ch El (ft)	2363.99	Shear (lb/sq ft)		2.62	1.13
Alpha	1.02	Stream Power (lb/ft s)	518.77	0.00	0.00
Frctn Loss (ft)	2.42	Cum Volume (acre-ft)	0.13	54.75	0.43
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	25.94	0.31

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 8054

```
INPUT
Description:
Station Elevation Data    num=     310
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2388.09   31.39  2388.2   53.74 2388.07   54.03 2388.07   54.45 2388.05
   54.54 2388.05   56.14 2388.05   59.47    2388   59.54    2388   60.58 2387.99
   61.32 2387.99   74.84 2387.96    82.5 2387.95   84.44 2387.95   104.6 2387.29
  106.56 2387.14  107.51 2387.13  108.74    2387  109.15    2387  109.65    2387
  110.14 2386.99  110.65 2386.99  113.33 2386.98  115.89 2386.96  116.92 2386.96
  117.41 2386.95  118.39 2386.95  119.35 2386.95  119.89 2386.94  120.01 2386.95
  123.47 2386.93  123.99 2386.93  124.34 2386.93  125.82 2386.92  127.03 2386.93
  133.45 2386.49   133.8 2386.45  137.57 2386.47  137.97 2386.44  138.64 2386.49
  139.54 2386.58  139.82 2386.62  140.21 2386.61  140.69 2386.61  141.11 2386.63
  142.53    2387  144.54 2387.85  144.92    2388   146.8 2388.77  147.38    2389
  147.42    2389  149.08    2389  149.45    2389  150.19    2389  150.27    2389
  151.32    2389   151.5    2389  155.11    2389   160.4    2389   162.8    2389
  169.16    2389  172.23    2389   172.3    2389  172.55    2389  172.78    2389
  172.87    2389  173.04    2389  173.23    2389  173.82 2388.86  178.58    2388
  179.78 2387.31  180.43    2387  181.95 2386.05  182.05    2386  182.33 2385.83
  183.79    2385   185.1 2384.24  185.52    2384  185.73 2383.88  187.39    2383
   187.7 2382.83  188.88    2382  189.33 2381.63  190.24    2381  190.97 2380.33
   191.4    2380  192.56    2379  192.57 2378.99  193.85    2378  194.65 2377.32
  195.07    2377  195.96 2376.33  196.37    2376  196.59 2375.83  197.69    2375
   197.9 2374.76  198.02 2374.66  198.78    2374     199 2373.75   199.8    2373
  200.21 2372.62  200.74 2372.15  200.94    2372   201.7 2371.35   202.2    2371
  202.75 2370.54  203.51    2370  204.16 2369.44  204.75    2369  205.59 2368.39
  206.23    2368  206.54 2367.81  206.72 2367.73  207.21 2367.49  208.58    2367
  209.17 2366.79  209.71 2366.57  211.03    2366  211.51 2365.81  213.29    2365
  214.83 2364.42  215.83    2364  216.31 2363.81  219.41    2363  220.97 2362.69
  221.18 2362.66  221.49 2362.62  221.95  2362.6  222.49 2362.53  222.98 2362.55
  223.53  2362.6  224.11 2362.63  224.52 2362.73  224.93 2362.79  225.83    2363
  228.52 2363.82  229.02    2364   230.6 2364.48  231.92 2364.96  232.05    2365
  232.14    2365  232.16    2365  232.18    2365   232.3    2365  232.36    2365
  232.59 2364.94  232.96 2364.85     235 2364.31  236.06 2364.01  236.08    2364
  237.35 2363.61   238.9 2363.06  238.98 2363.03  239.06    2363  239.08    2363
  239.11    2363  241.27    2363  241.82    2363   243.5    2363  245.58 2363.12
  246.91 2363.18  249.42 2363.05  250.23 2363.02  250.62    2363  252.66 2362.99
  272.63 2362.74  287.89 2362.69  296.47  2362.7  303.86 2362.87  307.13 2362.97
  308.96 2362.97  312.67 2362.99  313.21    2363  313.56    2363  313.73    2363
  313.83 2363.03   315.8 2363.35  317.25 2363.44  317.35 2363.44  317.45 2363.45
  317.52 2363.46  317.57 2363.47  320.57    2364  322.17 2364.01  323.94 2364.02
   325.2 2364.03  326.04 2364.02  334.47    2364  339.59 2363.95  339.96 2363.95
  340.92 2363.94  341.76 2363.94  342.26 2363.95   344.2 2363.95  346.26 2363.96
  350.66    2364  353.32 2364.14  353.51 2364.14  353.73 2364.13  359.24 2364.06
  361.95 2364.07  364.86 2364.07  365.78 2364.06  369.84    2364  371.19 2363.75
  371.68 2363.64   374.7    2363  376.89 2362.98  380.36 2362.96  385.63    2363
  385.88    2363  386.07    2363  386.29    2363  388.87 2363.01  391.09    2363
  391.77    2363     392 2362.92  392.79 2362.57     395    2362  396.44 2361.99
  398.99 2361.98  402.31 2361.99  402.63    2362  403.84    2362  404.11    2362
  404.57    2362  409.21 2362.06  415.27 2362.12  424.26 2362.17  426.29 2362.19
  429.15 2362.24  429.86 2362.25  432.39 2362.27  436.32 2362.38  447.28 2362.76
  449.69 2362.85  453.13    2363   453.8 2363.27  457.53 2363.94  457.84    2364
  457.95 2364.07  457.99 2364.08  458.27 2364.19  459.79 2364.87  460.06 2364.99
  460.08    2365  460.19 2365.06  462.11    2366  462.67 2366.33  463.58    2367
  464.38 2367.65  464.84    2368  466.01 2368.99  466.02    2369  466.03 2369.01
  466.18 2369.14  467.11 2369.92  467.21    2370  468.14  2370.8  468.37    2371
   469.1 2371.63  469.52    2372  469.95 2372.38  470.59 2372.94  470.64 2372.98
  470.67    2373  471.36 2373.52  472.01    2374  472.35 2374.27  472.66 2374.71
  472.81 2374.89  472.85    2375  472.94 2375.16  473.18    2376  473.29 2376.48
  473.43    2377  473.53 2377.68  473.65 2377.87  473.67    2378  473.74 2378.23
  473.94    2379  474.01 2379.32  474.19    2380  474.39 2380.72  474.46    2381
  474.65 2381.73  474.71    2382  474.89 2382.95  474.89    2383  474.99    2384
  475.41    2384  475.99    2384  485.33 2384.01  485.77 2384.01  486.48 2384.01
  494.22 2384.02  505.72 2384.01  512.61    2384  514.75 2383.06  514.88    2383
  515.01 2382.95  516.98 2382.04  517.07    2382  517.08    2382  519.19    2381
  521.17 2380.07   521.3    2380  521.44 2379.93   523.2    2379  525.21 2378.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  198.02    .027  457.53    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        198.02  457.53           176.87  194.57  192.45            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2366.30    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.93    Wt. n-Val.                           0.027     0.035
  W.S. Elev (ft)           2364.38    Reach Len. (ft)          176.87     194.57    192.45
  Crit W.S. (ft)           2364.94    Flow Area (sq ft)                   316.70      0.28
  E.G. Slope (ft/ft)      0.028186    Area (sq ft)                        316.70      0.28
  Q Total (cfs)            3528.00    Flow (cfs)                         3527.26      0.74
  Top Width (ft)            239.24    Top Width (ft)                      238.09      1.15
  Vel Total (ft/s)           11.13    Avg. Vel. (ft/s)                    11.14      2.64
  Max Chl Dpth (ft)           2.39    Hydr. Depth (ft)                     1.33      0.24
  Conv. Total (cfs)        21014.0    Conv. (cfs)                        21009.6       4.4
  Length Wtd. (ft)          194.57    Wetted Per. (ft)                    239.31      1.24
```

Min Ch El (ft)	2361.98	Shear (lb/sq ft)		2.33	0.40
Alpha	1.00	Stream Power (lb/ft s)	525.21	0.00	0.00
Frctn Loss (ft)	2.42	Cum Volume (acre-ft)	0.13	54.15	0.42
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	25.51	0.30

Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7859

INPUT
Description:
Station Elevation Data num= 209

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2382.46	3.66	2382.6	7.13	2382.67	9.65	2382.71	10.94	2382.71
16.91	2382.64	18.38	2382.65	27.35	2382.6	32.73	2382.62	37.78	2382.63
41.73	2382.59	44.96	2382.57	48.26	2382.51	55.05	2382.49	58.02	2382.43
78.44	2382.34	84.58	2382.25	87.73	2382.23	91.04	2382.21	112.12	2382.04
113.65	2382.03	114.53	2382.02	118.31	2382	120.82	2381.97	126.55	2381.94
127.19	2381.93	137.5	2381.9	142.92	2381.87	144.08	2381.86	150	2381.8
151.74	2381.79	158.16	2381.71	164.3	2381.68	166.03	2381.67	184.47	2381.45
191.59	2381.38	202.53	2381.11	203.65	2381.08	212.56	2381	212.6	2380.94
213.21	2380	213.25	2379.95	213.84	2379	213.89	2378.93	214.5	2378
215.09	2377.08	215.15	2377	215.2	2376.93	215.74	2376.08	215.8	2376
215.86	2375.91	216.41	2375	216.97	2374.16	217.09	2374	217.64	2373.17
217.75	2373	218.28	2372.2	218.42	2372	218.56	2371.79	219.05	2371
219.25	2370.71	219.76	2370	219.96	2369.66	220.39	2369	220.65	2368.6
221.11	2368	221.75	2367.35	222.19	2367	223.5	2366.18	223.8	2366
225.03	2365.23	225.47	2365	226.9	2364.21	227.3	2364	228.7	2363.22
229.15	2363	230.28	2362.42	231.09	2362	232.07	2361.59	233.2	2361
236.9	2360.43	239.52	2360	242.79	2360	243.12	2360	245.01	2359.99
245.08	2359.99	245.25	2359.99	245.43	2359.99	245.44	2359.99	246.31	2360
246.55	2360	246.63	2360	253.87	2359.81	254.97	2359.8	264.81	2359.77
276.74	2359.96	276.85	2359.96	277.24	2359.98	277.31	2359.97	277.61	2359.98
277.67	2359.98	277.93	2359.97	278	2359.97	278.21	2359.97	278.53	2359.96
279	2359.94	279.16	2359.93	279.55	2359.92	280.06	2359.9	280.49	2359.88
282.95	2359.78	298.81	2359.22	302.59	2359.04	303.22	2359	305.18	2358.99
319.56	2358.84	333.24	2358.81	333.63	2358.82	333.91	2358.82	334.4	2358.83
334.63	2358.83	334.72	2358.83	335.81	2358.84	343.42	2358.97	345.33	2358.97
351.55	2358.96	357.94	2358.95	366.62	2358.96	367.59	2358.96	368.71	2358.96
370.09	2358.96	381.77	2358.99	382.51	2358.99	384.18	2359	386.07	2359.18
389.52	2359.47	391.53	2359.64	395.42	2360	395.44	2360	395.48	2360
396.81	2360.47	397.96	2360.86	398.4	2361	399	2361.16	400.1	2361.45
400.89	2361.66	402.18	2362	402.65	2362.29	403.17	2362.66	403.3	2362.79
403.34	2362.86	403.36	2363	403.36	2363.08	403.48	2364	403.49	2364.12
403.62	2365	403.74	2365.84	403.74	2366	403.75	2366.14	403.88	2367
403.91	2367.18	403.98	2368	404.09	2368.68	404.19	2369.32	404.2	2370
404.22	2370.26	404.33	2371	404.36	2371.27	404.47	2372	404.5	2372.28
404.6	2373	404.63	2373.28	404.74	2374	404.77	2374.29	404.87	2375
404.94	2375.53	405.01	2376	405.05	2376.4	405.1	2377	405.13	2377.33
405.24	2378	405.35	2378.77	405.37	2379	405.4	2379.22	405.54	2380
408.12	2380.01	408.5	2380.01	408.65	2380.01	408.97	2380.01	409.46	2380.01
409.84	2380.01	410.4	2380	411.49	2380	412.25	2379.99	415.08	2379.91
420.77	2379.76	424.07	2379.7	425.78	2379.67	433.48	2379.56	435.18	2379.54
436.08	2379.53	441.22	2379.55	447.01	2379.6	448.13	2379.61	449.49	2379.62
451.45	2379.63	454.19	2379.63	469.59	2379.68	479.02	2379.66		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	215.2	.027	408.12	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
215.2	408.12	109.04	86.59	78.04	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2364.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.027	
W.S. Elev (ft)	2364.16	Reach Len. (ft)	109.04	86.59	78.04
Crit W.S. (ft)	2361.78	Flow Area (sq ft)		814.68	
E.G. Slope (ft/ft)	0.000822	Area (sq ft)		814.68	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	176.50	Top Width (ft)		176.50	
Vel Total (ft/s)	4.33	Avg. Vel. (ft/s)		4.33	
Max Chl Dpth (ft)	5.35	Hydr. Depth (ft)		4.62	
Conv. Total (cfs)	123060.2	Conv. (cfs)		123060.2	
Length Wtd. (ft)	86.59	Wetted Per. (ft)		179.16	
Min Ch El (ft)	2358.81	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)	479.02	0.00	0.00
Frctn Loss (ft)	0.16	Cum Volume (acre-ft)	0.13	51.62	0.42

C & E Loss (ft)	0.02	Cum SA (acres)	0.18	24.59	0.29

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Hydraulic jump has occurred between this cross section and the previous upstream section.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7773

INPUT
Description:
Station Elevation Data num= 199

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2378.24	4.11	2378	7.94	2377.08	8.47	2377.03	8.87	2377
8.97	2377	9.37	2376.85	9.72	2376.7	10.41	2376.42	10.65	2376.31
10.79	2376.24	11.34	2376	11.97	2375.72	13.58	2375	14.12	2374.97
16.9	2374.51	18.31	2374.44	18.51	2374.43	18.89	2374.45	19.43	2374.6
19.77	2374.64	20.69	2375	21.44	2375.76	21.68	2376	22.34	2376.69
22.64	2377	22.99	2377.35	23.48	2377.89	23.6	2378	25.69	2378.06
27.44	2378.12	37.19	2378.41	42.24	2378.54	49.28	2378.7	51.6	2378.73
51.89	2378.73	56.37	2378.78	56.91	2378.79	57.4	2378.8	62.94	2378.87
85.45	2378.99	85.51	2378.99	85.58	2378.99	89.84	2379	91.26	2379
91.57	2379	92.1	2379	95.12	2378.99	96.36	2378.97	104.05	2378.83
118.37	2378.55	119.66	2378.53	124.19	2378.45	127.57	2378.42	132.97	2378.39
134.99	2378.38	164.43	2378.22	167.98	2378.18	169.06	2378.18	170.13	2378.18
171.78	2378.21	175.69	2378.16	177.96	2378.11	179.58	2378.07	181.03	2378.01
181.99	2378	182.13	2378	182.4	2378	182.81	2378	184.57	2377.8
186.95	2377.43	187.72	2377.24	188.26	2377	188.51	2376.82	189.68	2376
190.32	2375.52	191.06	2375	192.22	2374.21	192.53	2374	193.21	2373.55
193.42	2373.43	194.19	2373	194.3	2372.95	196.08	2372	196.49	2371.81
198.25	2371	200.52	2370.1	200.73	2370	201.55	2369.62	203.43	2369
204.56	2368.58	206.47	2368	208.98	2367.15	209.44	2367	214.57	2366.01
214.99	2365.76	215.32	2365.52	229.54	2362.18	242.64	2358.77	243.18	2358
246.1	2358	252.15	2358	253.55	2358	254.04	2358	254.45	2358
256.29	2357.99	256.56	2357.99	256.89	2357.99	256.9	2357.99	267.08	2357.83
273.68	2357.72	274.49	2357.7	274.82	2357.7	275.48	2357.69	275.83	2357.69
276.95	2357.68	285.29	2357.96	285.98	2357.99	286.34	2357.99	287.9	2357.99
299.41	2358	305.44	2358.97	305.61	2359	305.87	2359.08	307.44	2359.52
308.8	2360	309.86	2360.38	311.75	2361	312.71	2361.51	313.74	2362
314.41	2362.4	315.48	2363	316.62	2363.53	317.48	2364	318.08	2364.4
319.09	2365	319.6	2365.46	320.53	2366	320.99	2366.54	321.42	2367
321.76	2367.45	322.28	2368	322.81	2368.56	323.15	2369	323.68	2369.6
323.93	2370	324.45	2370.61	324.7	2371	325.25	2371.58	325.58	2371.98
325.6	2372	326	2372.47	326.41	2373	326.81	2373.46	327.23	2374
327.62	2374.46	328.04	2375	328.89	2375.96	328.93	2376	328.98	2376.05
329.48	2376.67	329.74	2377	329.78	2377.06	330.53	2378	331.08	2378.7
331.26	2379	331.92	2379.85	331.99	2380	332.41	2380	333.24	2380
333.69	2380	333.92	2380	334.65	2380	334.96	2380	335.12	2379.98
335.33	2379.99	335.45	2379.99	337.85	2379.91	344.43	2379.75	349.11	2379.65
355.18	2379.56	356.69	2379.54	376.78	2379.01	376.83	2379.01	376.87	2379.01
377.19	2379	383.69	2378.76	388.8	2378.61	398.38	2378.28	401.18	2378.22
402.86	2378.17	403.91	2378.14	406.18	2378.15	407	2378.14	407.53	2378.13
408.05	2378.13	411.61	2378.19	426.24	2378.35	435.21	2378.49		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	193.42	.027	325.58	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
193.42	325.58	135.51	132.63	130.61	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2364.28	Element	Left OB	Channel	Right OB	
Vel Head (ft)	1.88	Wt. n-Val.		0.027		
W.S. Elev (ft)	2362.40	Reach Len. (ft)	135.51	132.63	130.61	
Crit W.S. (ft)	2362.40	Flow Area (sq ft)		320.93		
E.G. Slope (ft/ft)	0.007046	Area (sq ft)		320.93		
Q Total (cfs)	3528.00	Flow (cfs)		3528.00		
Top Width (ft)	85.81	Top Width (ft)		85.81		
Vel Total (ft/s)	10.99	Avg. Vel. (ft/s)		10.99		
Max Chl Dpth (ft)	4.72	Hydr. Depth (ft)		3.74		
Conv. Total (cfs)	42029.8	Conv. (cfs)		42029.8		
Length Wtd. (ft)	132.63	Wetted Per. (ft)		87.43		
Min Ch El (ft)	2357.68	Shear (lb/sq ft)		1.61		
Alpha	1.00	Stream Power (lb/ft s)	435.21	0.00	0.00	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	0.13	50.49	0.42	
C & E Loss (ft)	0.00	Cum SA (acres)	0.18	24.32	0.29	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.

```
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
        water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
        defaulted to critical depth.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7640

INPUT
Description:
Station Elevation Data    num=     246
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2376.01     .97 2376.01    3.54 2376.02    3.79 2376.02    5.07 2376.01
    6.49 2376.01    7.72 2376.01    9.45    2376    10.2 2375.53   10.53 2375.25
   10.74    2375   11.22 2374.12   11.26    2374   11.51 2373.49   11.79    2373
   12.27 2372.17   12.38    2372   12.46 2371.89   13.03    2371   13.28 2370.62
   13.73    2370   14.33 2369.03   14.35    2369   14.37 2368.96    15.1    2368
   15.54 2367.33   15.75    2367   16.24 2366.26   16.44    2366      17 2365.17
   17.05    2365   17.18 2364.83   17.71    2364   17.73    2364   18.01 2364.93
   18.04    2365   18.16 2365.33   18.28    2366    18.3 2366.13   18.54    2367
   18.57 2367.19   18.78    2368    18.8 2368.42   18.95    2369   19.07 2369.49
   19.19    2370   19.22 2370.41   19.33    2371   19.41 2371.53   19.54    2372
    19.8  2372.6   19.84    2373    20.6 2373.83   20.71    2374   21.47 2374.81
    21.6    2375   21.92 2375.25   22.11 2375.29    22.4  2375.3   22.81 2375.28
   25.69 2375.34   28.19 2375.38    30.2 2375.31   31.31 2375.28   31.79 2375.29
   32.99 2375.27   36.36 2375.33      38 2375.31   38.98 2375.33   40.81 2375.33
   44.14 2375.41   45.28 2375.43   46.34 2375.45   52.36 2375.45   56.87 2375.48
   58.64 2375.49   63.06  2375.5   67.38 2375.48   69.32 2375.49   70.55  2375.5
    75.6 2375.46   77.94 2375.48   80.13 2375.49   82.56 2375.49   84.99 2375.49
   87.11 2375.49   88.84 2375.48   90.65 2375.46   96.54 2375.41  106.17  2375.3
  110.19 2375.26  140.43    2375  148.47 2374.91  148.76 2374.91  149.22 2374.91
   150.9 2374.89  152.55 2374.89  155.19 2374.89  173.64 2374.88  174.53 2374.86
  175.87 2374.82  187.96    2374  188.07 2373.93  189.55    2373  191.07 2372.06
  191.16    2372  192.41 2371.27  192.82    2371  194.12 2370.18   194.4    2370
  195.53 2369.31  195.58 2369.28  195.99    2369  196.29 2368.83   197.5    2368
  197.62 2367.94  199.12    2367  199.24 2366.92  200.72    2366  200.87 2365.91
   202.2    2365   202.5 2364.82  203.85    2364  204.45 2363.72  205.58    2363
  206.31 2362.59  207.32    2362  208.93 2361.23  209.41 2361.19  210.04 2361.14
  212.31    2361  213.76 2360.84  217.06 2360.44  220.31    2360  224.29 2359.45
  227.98    2359  236.88 2358.14  237.27 2358.09  237.69 2358.03   237.8 2358.02
  237.84 2358.02  237.93    2358     238 2357.98  238.03 2357.98  243.31    2357
  247.35 2356.35  249.25    2356  252.44 2355.99  254.27 2355.99  255.21 2355.98
  255.57 2355.98  257.66 2355.98  258.62 2355.98  258.73 2355.98   259.4 2355.98
   262.9 2355.99  268.33 2355.99  271.05    2356  271.25    2356  272.88    2356
  284.46  2356.4  290.83 2356.65  295.28 2356.84  295.51 2356.85  297.12    2357
  297.45 2357.12  300.62    2358  302.47 2358.72  303.18    2359  303.87 2359.27
  305.72    2360   307.3 2360.89  307.49    2361  307.58 2361.16  308.07    2362
  308.58 2362.86  308.66    2363  309.32 2363.96  309.34    2364  309.69 2364.56
  309.95 2364.99  309.96    2365  309.96 2365.01  309.99 2365.04  310.52    2366
  310.63  2366.2  311.03    2367  311.22 2367.36  311.53    2368  311.87 2368.54
  312.11    2369  312.45 2369.54   312.7    2370  313.04 2370.54  313.28    2371
  313.63 2371.54  313.87    2372  314.11 2372.45  314.46    2373  314.89 2373.58
  315.12    2374  315.47 2374.58   315.7    2375  316.34    2376   316.4    2376
  316.68    2376  322.17 2376.02  324.36 2376.02  327.93    2376  332.21 2375.87
  333.02 2375.86  334.08 2375.83  335.07  2375.8  337.02 2375.76  354.24 2375.49
  357.87 2375.43  361.92  2375.4  365.78 2375.33  369.34 2375.36  372.26  2375.3
  375.67 2375.31  379.47 2375.34  383.82  2375.4  387.65 2375.47  420.12    2376
   425.5 2376.06  426.45 2376.08  428.09 2376.11  433.68 2376.06  438.78    2376
  439.73    2376  440.42 2375.95  443.25 2375.78  444.54 2375.67     446 2375.58
   447.1 2375.53  449.92 2375.19  450.26 2375.18   450.7 2375.18  450.85 2375.18
  452.03    2375  453.75 2374.76  457.67    2374  463.57 2373.56  464.57 2373.56
  465.02 2373.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  195.53    .027  309.69    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        195.53  309.69           193.74   188.2  189.78            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2362.99    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.83    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2360.16    Reach Len. (ft)          193.74     188.20     189.78
  Crit W.S. (ft)           2360.93    Flow Area (sq ft)                   261.38
  E.G. Slope (ft/ft)      0.014034    Area (sq ft)                        261.38
  Q Total (cfs)            3528.00    Flow (cfs)                         3528.00
  Top Width (ft)             86.86    Top Width (ft)                       86.86
  Vel Total (ft/s)           13.50    Avg. Vel. (ft/s)                     13.50
  Max Chl Dpth (ft)           4.18    Hydr. Depth (ft)                      3.01
```

Conv. Total (cfs)	29780.9	Conv. (cfs)		29780.9		
Length Wtd. (ft)	188.20	Wetted Per. (ft)		87.75		
Min Ch El (ft)	2355.98	Shear (lb/sq ft)		2.61		
Alpha	1.00	Stream Power (lb/ft s)	465.02	0.00	0.00	
Frctn Loss (ft)	1.28	Cum Volume (acre-ft)	0.13	49.61	0.42	
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	24.06	0.29	

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7452

INPUT
Description:
Station Elevation Data num= 246

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2373.4	1.93	2373.39	11.91	2373.33	13.03	2373.33	14.92	2373.31
16.25	2373.32	21.8	2373.27	22.99	2373.27	41.63	2373.09	42.01	2373.08
42.15	2373.08	53.26	2373	53.43	2372.98	53.65	2372.97	53.73	2372.96
55.47	2372.79	56.83	2372.92	57.19	2372.96	57.59	2373	68.76	2373.2
69.27	2373.2	69.94	2373.21	70.88	2373.21	71.56	2373.22	71.76	2373.22
76.89	2373.24	77.7	2373.24	79.48	2373.25	79.8	2373.25	91.75	2373.24
99.85	2373.23	110.13	2373.17	113.86	2373.81	114.32	2373.85	114.58	2373.83
115.46	2373.84	115.66	2373.81	115.86	2373.78	117.16	2373.74	117.63	2373.61
117.8	2373.59	117.86	2373.58	118.2	2373.49	118.28	2373.47	118.36	2373.46
118.81	2373.38	119.48	2373.32	122.22	2373.21	127.68	2373.04	129.04	2373.11
129.87	2373.24	130.09	2373.27	130.45	2373.36	131.09	2373.52	132.62	2374
137.08	2374	142.71	2374	144.6	2373.84	145.38	2373.8	148.65	2373.62
150.82	2373.53	153.14	2373.45	155.94	2373.35	159.03	2373.27	160.12	2373.23
164.58	2373.09	166.1	2373.02	167.19	2373.02	168.11	2373.01	168.17	2373.01
168.3	2373.01	168.45	2373	170.41	2372.57	171.25	2372.38	173.06	2372
173.39	2371.9	174.83	2371	175.48	2370.47	176.13	2370	176.69	2369.53
177.34	2369	177.97	2368.46	178.54	2368	179.54	2367.2	179.79	2367
180.96	2366.03	181	2366	181.19	2365.84	182.08	2365	182.11	2364.97
183.05	2364	183.18	2363.87	184.25	2363.38	191.1	2360.25	200.81	2355.83
207.09	2353	207.54	2353	209.03	2352.99	209.23	2352.99	209.6	2352.99
210.74	2352.99	210.89	2352.99	211.01	2352.99	211.47	2352.99	211.53	2352.99
211.54	2352.99	212.12	2352.99	212.28	2352.99	214.76	2352.99	215.02	2352.99
215.44	2352.99	215.69	2352.99	216.29	2352.99	216.44	2352.99	216.88	2352.99
218.7	2353	219.05	2353	219.15	2353	220.52	2353	220.54	2353
220.55	2353	220.63	2353	221.02	2353	231.06	2353.08	231.16	2353.08
233.85	2353.02	234.57	2353.02	235.99	2353.01	236.59	2353.01	237.41	2353
238	2353	238.22	2353	238.64	2352.99	238.79	2352.99	238.85	2352.99
239.4	2352.99	242.8	2352.99	243.52	2353	252.27	2353.65	253.24	2353.63
253.69	2353.63	256.83	2353.58	257.53	2353.59	258.2	2353.6	262.43	2353.61
265.26	2353.57	268.82	2353.57	271.76	2353.52	275.84	2353.5	280.12	2353.44
285.37	2353.34	287.69	2353.29	293.9	2353.15	294.88	2353.13	299.2	2353.01
301.28	2353	301.49	2353	301.56	2353	311.64	2352.99	315.58	2352.99
317.01	2352.98	319.09	2352.99	323.25	2353	336.38	2353.59	345.74	2353.97
346.38	2354	346.39	2354	346.41	2354	346.44	2354	346.96	2354.72
348.73	2355	349.36	2355.77	349.67	2356	350.41	2356.81	350.62	2357
350.86	2357.26	351.5	2358	352.13	2358.72	352.41	2359	353.01	2359.69
353.34	2360	353.9	2360.65	354.28	2361	354.82	2361.6	355.17	2362
355.66	2362.5	356.16	2363	356.51	2363.38	357.14	2364	357.35	2364.23
358.15	2365	358.28	2365.13	358.96	2365.71	359.37	2366	359.74	2366.3
360.96	2367	362	2367.69	362.52	2367.82	363.41	2367.96	364.58	2367.99
364.6	2367.99	366	2367.89	367.37	2367.71	367.81	2367.78	368.91	2367.82
369.81	2367.82	370.55	2367.78	371.77	2367.71	379.35	2367.34	380.09	2367.28
380.67	2367.25	381.23	2367.24	382.32	2367.24	383.43	2367.25	391.38	2368
392.3	2368.21	393.56	2369	394.23	2369.47	394.78	2370	395.58	2370.62
395.96	2371	397.02	2371.75	397.25	2372	397.94	2372	400.13	2372
400.52	2372.01	400.9	2372	403.02	2372	410.84	2371.95	415.49	2371.93
417.61	2371.92	420.92	2371.9	421.17	2371.9	421.25	2371.9	432.62	2372
436.46	2372.09	437.6	2372.01	437.67	2372	438.1	2372	438.18	2372
441.23	2372.12	442.08	2372.13	453.68	2372.27	455.63	2372.31	463.57	2372.38
469.41	2372.41								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	184.25	.027	345.74	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
184.25	345.74	228.63	212.82	211.04	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2358.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.80	Wt. n-Val.		0.027	0.035

W.S. Elev (ft)	2354.84	Reach Len. (ft)	228.63	212.82	211.04
Crit W.S. (ft)	2355.93	Flow Area (sq ft)		225.01	0.90
E.G. Slope (ft/ft)	0.044322	Area (sq ft)		225.01	0.90
Q Total (cfs)	3528.00	Flow (cfs)		3523.79	4.21
Top Width (ft)	144.75	Top Width (ft)		142.74	2.01
Vel Total (ft/s)	15.62	Avg. Vel. (ft/s)		15.66	4.67
Max Chl Dpth (ft)	1.86	Hydr. Depth (ft)		1.58	0.45
Conv. Total (cfs)	16758.0	Conv. (cfs)		16738.0	20.0
Length Wtd. (ft)	212.82	Wetted Per. (ft)		143.19	2.38
Min Ch El (ft)	2352.98	Shear (lb/sq ft)		4.35	1.05
Alpha	1.00	Stream Power (lb/ft s)	469.41	0.00	0.00
Frctn Loss (ft)	4.33	Cum Volume (acre-ft)	0.13	48.56	0.42
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	23.57	0.29

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7239

INPUT
Description:
Station Elevation Data num= 137

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2367.86	5.37	2367.62	18.74	2367	28.25	2366.05	28.77	2366
28.82	2366	29.39	2365.98	30.86	2365.92	32.26	2365.97	32.88	2366
36.49	2366.33	44.19	2367	44.67	2367.01	51.78	2367.17	59.09	2367.31
65.46	2367.36	69.15	2367.39	73.5	2367.4	77.79	2367.4	83.68	2367.36
86.18	2367.36	88.84	2367.36	126.73	2367	136.96	2366.46	137.09	2366.39
137.17	2366	137.2	2365.54	137.28	2365	137.3	2364.51	137.33	2364
137.35	2363.48	137.37	2363	137.39	2362.52	137.42	2362	137.44	2361.56
137.46	2361	137.48	2360.63	137.51	2360	137.52	2359.71	137.55	2359
137.56	2358.83	137.59	2358.09	137.61	2358.01	137.62	2358	137.62	2357.99
137.86	2357	138.21	2356.13	138.24	2356	138.37	2355	138.37	2354.99
138.65	2354	138.75	2353.71	138.92	2353.53	139.56	2353	139.76	2352.85
140.77	2352.12	140.94	2352	141.16	2351.84	142.28	2351	143.02	2350.47
143.64	2350	144.02	2349.77	145.04	2349	155.6	2348.94	163.14	2348.88
166.06	2348.89	178.46	2348.7	179.9	2348.7	184.61	2348.69	200.92	2348.83
209.4	2348.95	217.86	2349	218.92	2349.14	221.96	2349.57	222.36	2349.55
222.96	2349.61	226.99	2349.71	229.97	2349.71	238.36	2349	240.53	2348.98
241.25	2348.97	242.26	2348.98	243.7	2348.98	246.69	2348.99	246.9	2348.99
247.88	2348.99	248.36	2348.99	249.71	2349	250.69	2349.46	252.02	2350
252.5	2350.22	253.99	2351	255.36	2351	257.07	2351	257.45	2351
257.9	2351	258.39	2351	263.1	2350.28	264.81	2350.16	264.94	2350.15
267.72	2350	271.11	2349.82	271.26	2349.82	272.59	2349.79	273.79	2349.85
278.13	2349.82	279.94	2349.79	280.41	2349.81	281.59	2349.76	281.97	2349.78
294.21	2354.58	299.58	2355.8	303.96	2356.68	307	2358.28	319.89	2365.1
320.32	2366	338.63	2366.59	345.22	2366.73	348.64	2366.79	362.49	2366.93
368.66	2367	369.42	2367.01	378.13	2367.14	380.87	2367.16	385.15	2367.21
389.4	2367.25	394.03	2367.28	399.18	2367.3	399.94	2367.31	412.58	2367.34
419.16	2367.36	421.28	2367.37	427.12	2367.39	428.66	2367.4	430.21	2367.42
449.69	2367.55	450.22	2367.55						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	139.76	.027	307	.035

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
139.76 307 148.76 114.65 92.9 .01 .03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2353.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.97	Wt. n-Val.		0.027	
W.S. Elev (ft)	2351.50	Reach Len. (ft)	148.76	114.65	92.90
Crit W.S. (ft)	2351.97	Flow Area (sq ft)		313.60	
E.G. Slope (ft/ft)	0.015143	Area (sq ft)		313.60	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	144.73	Top Width (ft)		144.73	
Vel Total (ft/s)	11.25	Avg. Vel. (ft/s)		11.25	
Max Chl Dpth (ft)	2.81	Hydr. Depth (ft)		2.17	
Conv. Total (cfs)	28669.3	Conv. (cfs)		28669.3	
Length Wtd. (ft)	114.65	Wetted Per. (ft)		146.47	
Min Ch El (ft)	2348.69	Shear (lb/sq ft)		2.02	
Alpha	1.00	Stream Power (lb/ft s)	450.22	0.00	0.00
Frctn Loss (ft)	5.13	Cum Volume (acre-ft)	0.13	47.24	0.41
C & E Loss (ft)	0.06	Cum SA (acres)	0.18	22.86	0.28

```
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 7124

INPUT
Description:
Station Elevation Data    num=     164
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2363.3     .46 2363.26    2.67 2363.05    2.99 2363.05    3.33 2363.05
   11.61    2364   17.45 2364.02   20.87 2364.03   22.58 2364.03   23.93 2364.03
   24.79 2364.03   26.04 2364.03   27.09 2364.03   34.14 2364.19   36.57 2364.18
   39.14 2364.18   45.41 2364.28   50.31  2364.3   55.21 2364.35   56.62 2364.35
   57.24 2364.36      59 2364.35   64.59 2364.28   65.22 2364.28   66.29 2364.28
   67.87 2364.26   70.02 2364.27   72.87 2364.29   77.88 2364.37   92.38 2364.29
   95.01 2364.31    96.7 2364.33  100.77 2364.37  104.44  2364.4  110.06 2364.42
  113.99 2364.42  118.34 2364.42  119.33 2364.41   134.7 2364.31  143.35 2364.21
  147.86  2364.2  159.14 2364.06  162.39 2364.07  169.87 2364.02  170.37 2364.01
  170.45 2364.01  171.13 2364.01  172.63    2364  174.04 2363.55  174.28 2363.42
  174.64 2363.25  175.25    2363  176.44 2362.55  176.64 2362.49   176.8 2362.44
  178.45 2362.03  178.58 2362.01  178.62    2362  178.91 2361.93  182.51    2361
  183.08 2360.85  183.32 2360.78  183.98 2360.55   184.8    2360  185.29 2359.84
     187 2359.28  188.02    2359   189.4 2358.52  189.79 2358.34  190.33    2358
  190.83 2357.57  191.43 2357.05  191.48    2357  191.52 2356.97  192.46    2356
  192.89 2355.57  193.53    2355   193.8 2354.78  194.54    2354  195.44 2353.22
  195.67    2353  196.41 2352.36  196.96    2352  196.99 2351.98  197.06 2351.95
  198.25  2351.5  198.59 2351.36  199.45    2351  199.55 2350.96  199.65 2350.92
   199.7 2350.89   200.2 2350.65  200.91  2350.3  202.42 2349.37  205.06 2348.64
  214.83    2347  219.98 2346.99  227.81 2346.95  230.86 2346.94  232.42 2346.94
  236.67 2346.93  238.59 2346.93  250.56 2346.74   262.9 2346.89  265.88 2346.95
  270.59 2346.95  276.05    2347   276.7 2347.14  282.32    2348  296.21 2348.95
  296.92    2349  297.41 2349.09  297.54 2349.12  302.08    2350  304.38 2350.28
  311.49 2350.79  314.37    2351  316.38 2351.93  316.55    2352  317.01 2352.19
  317.36 2352.35  318.71    2353  319.44 2353.33  320.54 2353.87  320.78    2354
  321.81  2354.9  321.88    2355  322.63  2355.9  322.71    2356  322.77 2356.09
  323.43    2357  324.26 2357.98  324.27    2358     325 2358.94  325.05    2359
  325.11 2359.07  325.84    2360  325.95 2360.14  326.63    2361  326.82 2361.23
  327.43    2362  327.71 2362.33  328.24    2363  328.64 2363.47  329.02    2364
  329.44 2364.08  329.69 2364.11  329.96 2364.13  330.19 2364.14  331.47 2364.31
  332.39 2364.34  333.41 2364.39  334.85 2364.47  339.48 2364.88  343.17    2365
  364.92 2365.38  369.56 2365.46  374.03 2365.53  377.19 2365.57  383.46 2365.66
  392.15 2365.75  401.53 2365.85  404.79 2365.87   417.6 2365.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  185.29    .027  311.49    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        185.29  311.49           114.88   85.27   69.44            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2352.48    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.58    Wt. n-Val.                            0.027      0.035
  W.S. Elev (ft)           2350.90    Reach Len. (ft)          114.88       85.27      69.44
  Crit W.S. (ft)           2350.92    Flow Area (sq ft)                    349.33       0.08
  E.G. Slope (ft/ft)      0.007450    Area (sq ft)                         349.33       0.08
  Q Total (cfs)            3528.00    Flow (cfs)                          3527.96       0.04
  Top Width (ft)            113.30    Top Width (ft)                       111.81       1.49
  Vel Total (ft/s)           10.10    Avg. Vel. (ft/s)                     10.10       0.53
  Max Chl Dpth (ft)           4.16    Hydr. Depth (ft)                      3.12       0.05
  Conv. Total (cfs)        40873.7    Conv. (cfs)                         40873.2        0.5
  Length Wtd. (ft)            85.27   Wetted Per. (ft)                     112.69       1.50
  Min Ch El (ft)           2346.74    Shear (lb/sq ft)                      1.44       0.03
  Alpha                       1.00    Stream Power (lb/ft s)    417.60      0.00       0.00
  Frctn Loss (ft)             0.64    Cum Volume (acre-ft)        0.13      46.37       0.41
  C & E Loss (ft)             0.00    Cum SA (acres)              0.18      22.53       0.28


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.
```

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 7039

INPUT
Description:
Station Elevation Data num= 189

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2362.95	1.21	2363	6.74	2363	7.58	2363	7.86	2363
8.97	2363	10.18	2363	12.81	2363	14.16	2363	15.46	2363
17.83	2363	21.74	2363	22.39	2363	25.63	2363	25.65	2363
27.28	2362.83	33.72	2362	36.52	2361.98	36.8	2361.98	37.16	2361.98
37.57	2361.98	37.7	2361.98	48.43	2361.17	49.28	2361	50.37	2360.68
50.87	2360.56	51.64	2360.44	52.49	2360.26	52.81	2360.21	55.73	2360
57.94	2360	58.81	2360	58.88	2360	59.27	2360	59.48	2360
60.25	2360	60.61	2360	62.51	2360	63.33	2360	67.36	2360.55
72.68	2360.31	73.59	2360.35	74.37	2360.39	75.56	2360.33	76.38	2360.37
80.08	2360.4	85.35	2360.52	86.43	2360.56	87.33	2360.59	88.1	2360.62
88.76	2360.65	91.82	2361	92.47	2361.2	95.17	2362	96.55	2362.42
99.11	2363	103.44	2363	106.08	2363	110.39	2363	111.28	2363
111.46	2363	112.96	2363	113.06	2363	114.19	2363	114.34	2363
114.44	2363	114.54	2363	129.68	2362.01	129.8	2362.01	129.84	2362
129.89	2362	130.93	2361.53	131.14	2361.41	132.03	2361	132.33	2360.74
133.48	2360	134.27	2359.38	134.62	2359	135.18	2358.5	136	2358
136.52	2357.68	136.86	2357.53	138.11	2357.15	138.75	2357	141.5	2356.26
142.31	2356.07	142.71	2356	143.3	2355.87	145.22	2355.45	147.36	2355
151.09	2354.2	152.01	2354	152.86	2353.93	154.62	2353.75	156.18	2353.59
157	2353.48	157.46	2353.41	161.46	2353	164.51	2352.74	167.65	2352.22
167.92	2352.37	186.5	2350.71	194.13	2350.38	201.43	2349.89	203.74	2349
203.83	2349.03	204.73	2348.61	205.19	2348.56	205.55	2348.54	207.08	2348.33
209.76	2348	210.24	2347.94	210.51	2347.91	211.22	2347.78	211.59	2347.71
212.28	2347.54	213.44	2347.25	213.77	2347.15	214.27	2347	216.26	2346.51
218.03	2346	218.99	2345.97	228.89	2345.78	235.8	2345.68	236.68	2345.67
238.06	2345.67	239.02	2345.65	242.09	2345.68	243.35	2345.65	244.45	2345.61
248.02	2345.63	250.85	2345.62	266.46	2345.6	286.53	2345.69	286.67	2345.69
286.81	2345.7	298.28	2345.94	298.48	2345.95	300.63	2346	302.74	2346.42
303.76	2346.66	304.07	2346.75	304.58	2347	305.14	2347.31	306.63	2348
310.51	2348.7	311.46	2349	321.45	2349.64	325.42	2349.9	326.91	2350
327.84	2350.13	328.02	2350.15	328.35	2350.19	332.56	2350.71	334.57	2350.97
334.84	2351	334.92	2351.04	335.16	2351.18	336.49	2352	337.03	2352.36
338.03	2353	338.93	2353.61	339.53	2354	340.64	2354.73	341.01	2355
341.24	2355.29	341.91	2356	342.7	2356.82	342.85	2357	343.32	2357.48
343.72	2358	344.28	2358.57	344.63	2359	345.09	2359.47	345.55	2360
345.97	2360.47	346.44	2361	346.86	2361.46	347.33	2362	347.74	2362.46
348.21	2363	349.74	2363.07	362.5	2363.56	366.66	2363.7	386.02	2364
388.03	2364.04	390.94	2364.09	419.01	2364.6	439.54	2364.86		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	143.3	.027	321.45	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
143.3	321.45	75.9	96.23	114.41	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2351.50	Element			
Vel Head (ft)	3.00	Wt. n-Val.		0.027	
W.S. Elev (ft)	2348.50	Reach Len. (ft)	75.90	96.23	114.41
Crit W.S. (ft)	2349.42	Flow Area (sq ft)		253.74	
E.G. Slope (ft/ft)	0.019493	Area (sq ft)		253.74	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	103.53	Top Width (ft)		103.53	
Vel Total (ft/s)	13.90	Avg. Vel. (ft/s)		13.90	
Max Chl Dpth (ft)	2.90	Hydr. Depth (ft)		2.45	
Conv. Total (cfs)	25268.8	Conv. (cfs)		25268.8	
Length Wtd. (ft)	96.38	Wetted Per. (ft)		104.24	
Min Ch El (ft)	2345.60	Shear (lb/sq ft)		2.96	
Alpha	1.00	Stream Power (lb/ft s)	439.54	0.00	0.00
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)	0.13	45.78	0.41
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	22.31	0.28

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 6943

INPUT
Description:

```
Station Elevation Data    num=     217
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2359.49    3.29 2359.59    7.61 2359.68   10.56 2359.67   39.84 2359.95
   40.32 2359.96   43.84    2360   46.45  2360.1   46.74 2360.11   47.13 2360.13
   58.67 2360.62   60.04 2360.74   60.93 2360.77   61.79 2360.79   63.68  2360.8
   76.34 2360.72   82.65 2360.78   82.86 2360.78   83.37 2360.77   83.86 2360.76
   85.34 2360.76   86.65 2360.72   88.56 2360.65   91.91 2360.46   99.27 2360.36
   99.84 2360.26  100.74 2360.18  101.94 2360.08  102.64    2360  103.74 2359.78
  104.85 2359.47  105.23 2359.33  105.27 2359.32  105.98    2359  107.82 2358.14
  108.13    2358  110.12 2357.07  110.28    2357  112.39 2356.02  112.43    2356
  112.48 2355.97  114.74    2355  116.13 2354.33  116.85    2354  117.48 2353.71
  118.83    2353  119.65 2352.58   119.7 2352.57  120.63 2352.42   122.5 2352.01
  122.55 2352.01  122.67 2352.01  122.82    2352  125.19 2351.38  125.77 2351.24
  126.82    2351  126.88 2350.95  127.27 2350.55  128.19    2350   128.2 2349.99
  128.34  2349.9  129.47 2349.17  129.59  2349.1  129.77    2349  130.51  2348.3
  130.83    2348   131.3 2347.56  131.88    2347  132.03 2346.86  133.06    2346
  133.29 2345.79  133.81 2345.27  134.03 2345.14  134.38    2345  134.79  2344.8
  134.95 2344.76  135.16    2344  135.19 2343.87  135.42    2343  135.53 2342.23
  135.59    2342  135.62  2341.8  135.84    2341     136 2340.44  136.28    2340
   139.3 2339.03  139.36 2339.01  139.38    2339  139.39    2339  139.61    2339
   142.7    2339  143.07    2339  143.31    2339  143.39    2339  143.46    2339
  144.15    2339  144.18    2339   144.8 2339.09  145.29 2339.18  145.95 2339.32
   146.5 2339.45  146.92 2339.56  148.69    2340  150.65 2340.33  152.25 2340.62
  152.76 2340.72  154.32    2341  155.83 2341.28  156.45  2341.3  159.02  2341.7
  159.92 2341.87  161.99    2342  162.72 2342.25  162.98 2342.31   164.4 2342.55
  165.25 2342.73  166.61    2343  166.71 2343.01  166.78 2343.04  169.59 2343.98
  169.66 2343.98  170.96    2344  178.02 2344.23  181.33 2344.31  202.01 2344.77
  207.68 2344.81  208.92 2344.89  208.95 2344.89  209.87 2344.82  211.25 2344.88
  213.26 2344.83  221.45    2344  222.55 2343.99   223.4 2343.99  223.95 2343.98
  228.49 2343.96  235.37 2343.92  236.21 2343.92  237.27 2343.92  248.03 2343.98
   249.3 2343.99  249.52 2343.99  250.65 2343.99  250.94 2343.99  251.71 2343.99
  253.16    2344  262.33 2344.96  262.46 2344.97  262.66 2344.99  263.04    2345
  263.04  2344.9  263.59    2345  263.68    2345  264.06    2345  264.91 2344.99
  265.67    2345  265.72    2345  268.19 2344.99  268.33 2344.98   270.1 2344.97
  280.04 2344.85  283.58 2344.86  286.56 2344.91  292.85    2345  293.04 2345.44
  293.36    2346  293.71 2346.79   293.8    2347  293.89  2347.2  294.11    2348
  294.47  2348.8  294.56    2349  295.42 2349.99  295.43    2350  295.47 2350.99
  295.48    2351  295.58 2351.22  296.45    2352  296.87 2352.38  297.25    2353
  298.45 2353.97  298.48    2354  298.52 2354.04  299.37    2355  299.53 2355.17
  300.29    2356  300.77 2356.53  301.16    2357   301.7 2357.58  302.05    2358
  302.64 2358.64  302.96    2359  303.86 2359.83  304.02    2360  309.86 2360.02
  311.45 2360.02  313.38 2360.03   317.5 2360.13  327.93 2360.32  329.73 2360.32
  332.41 2360.32  333.68 2360.32  335.49 2360.32  337.78 2360.32  340.09 2360.31
   353.3 2360.28  357.59 2360.27  361.24 2360.27  366.14 2360.27  367.35 2360.28
  371.64  2360.3  383.41 2360.38  390.66 2360.43  393.68 2360.44   396.6 2360.44
  399.07 2360.46  402.16 2360.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  105.23    .027  286.56    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        105.23  286.56           129.75  175.78  188.75            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2348.51    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.39    Wt. n-Val.                            0.027      0.035
  W.S. Elev (ft)           2348.12    Reach Len. (ft)          129.75     175.78     188.75
  Crit W.S. (ft)           2346.16    Flow Area (sq ft)                   689.01      22.13
  E.G. Slope (ft/ft)      0.001213    Area (sq ft)                        689.01      22.13
  Q Total (cfs)            3528.00    Flow (cfs)                         3471.23      56.77
  Top Width (ft)            163.46    Top Width (ft)                      155.86       7.60
  Vel Total (ft/s)            4.96    Avg. Vel. (ft/s)                      5.04       2.56
  Max Chl Dpth (ft)           9.12    Hydr. Depth (ft)                      4.42       2.91
  Conv. Total (cfs)       101311.1    Conv. (cfs)                        99680.9     1630.2
  Length Wtd. (ft)          175.88    Wetted Per. (ft)                    161.65       9.69
  Min Ch El (ft)           2339.00    Shear (lb/sq ft)                      0.32       0.17
  Alpha                       1.02    Stream Power (lb/ft s)    402.16      0.00       0.00
  Frctn Loss (ft)             0.43    Cum Volume (acre-ft)        0.13     44.74       0.38
  C & E Loss (ft)             0.01    Cum SA (acres)              0.18     22.03       0.27


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Note:    Hydraulic jump has occurred between this cross section and the previous upstream section.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6767

INPUT
Description:
Station Elevation Data    num=     129
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2358	.31	2358	8.16	2358.95	8.66	2359	8.87	2359
9.52	2359	9.86	2359	11	2359	11.29	2359	11.53	2359
13.04	2359	13.5	2358.93	13.93	2358.97	14.35	2358.97	14.74	2358.97
15.04	2358.97	19.91	2358.87	37.67	2358.61	47.63	2358.49	52.27	2358.47
56.56	2358.44	59.65	2358.43	63.93	2358.43	68.33	2358.41	70.46	2358.4
101.82	2358.3	108.7	2358.28	114.79	2358.27	116.06	2358.27	119.09	2358.28
121.19	2358.29	126.91	2358.28	134.5	2358.02	135.13	2358.02	140.23	2358.02
141.39	2358.02	141.48	2358.02	142.21	2358.02	143.48	2358.02	147.65	2358.01
154.06	2358.01	159.83	2358	160.16	2357.71	160.45	2357.53	161.52	2357
162.04	2356.59	162.91	2356	163.78	2355.29	164.17	2355	164.51	2354.74
165.27	2354	166.05	2353.4	166.48	2353	166.93	2352.66	167.78	2352
168.07	2351.79	168.84	2351.25	169.29	2351.02	169.34	2351	175.47	2348.83
176.87	2348.31	179.54	2347.38	187.54	2344.47	194.16	2342.03	194.29	2342.02
194.3	2342.02	194.38	2342	194.43	2342	200.76	2341.99	220.73	2341.97
224.87	2341.97	236.43	2341.98	247.11	2342	251.17	2342.45	252.98	2342.61
254.49	2342.7	258.11	2342.99	259.11	2342.99	259.33	2342.99	262.76	2342.96
264.98	2342.98	267.94	2343	268.34	2343.67	268.5	2344	269.19	2344.85
269.26	2345	269.33	2345.14	269.82	2346	270.34	2346.89	270.39	2347
270.44	2347.1	270.96	2348	271.5	2348.94	271.53	2349	271.95	2349.66
272.1	2350	272.46	2350.56	272.69	2351	272.97	2351.47	273.27	2351.99
273.28	2352	273.28	2352.01	273.78	2353	274.19	2353.61	274.36	2353.95
274.38	2354	274.42	2354.05	274.95	2355	275.54	2355.98	275.55	2356
275.57	2356.02	276.11	2357	285.53	2357.01	290.22	2357.01	290.67	2357.01
291.39	2357.01	295.72	2357.01	301.19	2357.01	309.08	2357	328.14	2356.74
335.09	2356.69	336	2356.68	338.48	2356.65	340.76	2356.62	342.62	2356.6
344.37	2356.59	351.63	2356.53	379.24	2356.19	380.84	2356.17		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	168.07	.027	272.97	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
168.07	272.97	134.16	149.31	139.29	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2348.06	Element			
Vel Head (ft)	1.87	Wt. n-Val.		0.027	
W.S. Elev (ft)	2346.19	Reach Len. (ft)	134.16	149.31	139.29
Crit W.S. (ft)	2346.19	Flow Area (sq ft)		321.61	
E.G. Slope (ft/ft)	0.007241	Area (sq ft)		321.61	
Q Total (cfs)	3528.00	Flow (cfs)		3528.00	
Top Width (ft)	87.13	Top Width (ft)		87.13	
Vel Total (ft/s)	10.97	Avg. Vel. (ft/s)		10.97	
Max Chl Dpth (ft)	4.22	Hydr. Depth (ft)		3.69	
Conv. Total (cfs)	41460.9	Conv. (cfs)		41460.9	
Length Wtd. (ft)	149.22	Wetted Per. (ft)		89.71	
Min Ch El (ft)	2341.97	Shear (lb/sq ft)		1.62	
Alpha	1.00	Stream Power (lb/ft s)	380.84	0.00	0.00
Frctn Loss (ft)	1.05	Cum Volume (acre-ft)	0.13	42.70	0.34
C & E Loss (ft)	0.00	Cum SA (acres)	0.18	21.54	0.25

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 6618

INPUT
Description:
Station Elevation Data num= 140

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2358.21	10.57	2358.02	10.87	2358.02	11.08	2358.01	11.31	2358.01
11.71	2358	21.43	2357.77	35.35	2357.46	39.82	2357.33	47.08	2357.12
49.96	2357.04	50.9	2357	53.23	2356.83	53.49	2356.81	54.31	2356.75
57.8	2356.48	59.11	2356.37	59.64	2356.32	64.14	2356	64.45	2355.98
65.95	2355.97	67.61	2355.99	67.81	2355.99	68.19	2356	76.16	2356.68
77.69	2356.62	87.07	2356.71	95.45	2356.66	101	2356.57	102.9	2356.54
104	2356.53	111.05	2356.41	113.49	2356.37	115.56	2356.35	118.27	2356.31
120.26	2356.29	125.02	2356.24	128.55	2356.21	130.19	2356.19	131.51	2356.18
132.59	2356.17	153.02	2356.02	153.29	2356.02	153.43	2356.02	155.02	2356
155.06	2356	155.09	2356	157.5	2356	183.88	2355.72	185.07	2355.64
187.38	2355.46	190.73	2355.17	191.84	2355.05	194.32	2355	194.36	2354.91
194.82	2354	195.11	2353.37	195.13	2353.09	195.13	2353	195.18	2352.23
195.2	2352	195.24	2351.3	195.26	2351	195.3	2350.33	195.32	2350

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  195.36 2349.36  195.39    2349  195.43 2348.38  195.45    2348  195.49 2347.39
  195.51    2347  195.55  2346.4  195.58    2346   195.6 2345.64  195.64    2345
  195.66 2344.63   195.7    2344  195.73 2343.62  195.76    2343  195.79 2342.61
  195.83    2342  195.85  2341.6  195.89    2341  195.92  2340.6  195.93    2340
  197.84 2339.91  200.07 2339.81  223.58 2339.58  230.84 2339.61  254.82 2339.97
  255.44 2339.97  256.06 2339.98  256.46    2340  257.45 2340.27  260.41    2341
  260.67 2341.07   264.3    2342  267.34 2342.77  268.24    2343  270.96 2343.71
  272.08    2344  275.34 2344.44  275.73 2344.47   278.8  2344.7  280.37 2344.84
  282.13    2345  287.43 2345.27  301.99    2346  302.74 2346.63   303.4    2347
  304.55 2347.92  304.64    2348  304.75 2348.08  305.55    2349  306.66 2349.77
  307.04    2350  307.42 2350.24  307.97 2350.67  308.39    2351     309 2351.34
  309.85    2352  310.66 2352.63  311.15    2353  312.01 2353.66  312.54    2354
  313.06 2354.36  313.89    2355  315.79 2355.07  316.25 2355.08  316.66 2355.08
  329.67  2355.1  337.51 2355.13  352.92 2355.04  356.39 2355.09  357.08 2355.08
  362.14    2355  391.91 2354.45  422.06    2354  425.93 2353.92  430.79 2353.81

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  197.84    .027  307.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        197.84  307.97           162.47  157.94  147.76            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2346.62    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               3.11    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2343.51    Reach Len. (ft)          162.47     157.94     147.76
  Crit W.S. (ft)           2344.33    Flow Area (sq ft)          7.10     245.18
  E.G. Slope (ft/ft)      0.013223    Area (sq ft)               7.10     245.18
  Q Total (cfs)            3528.00    Flow (cfs)                41.43    3486.57
  Top Width (ft)             74.45    Top Width (ft)             2.10      72.34
  Vel Total (ft/s)           13.98    Avg. Vel. (ft/s)           5.84      14.22
  Max Chl Dpth (ft)           3.93    Hydr. Depth (ft)           3.37       3.39
  Conv. Total (cfs)        30680.5    Conv. (cfs)              360.3    30320.2
  Length Wtd. (ft)          157.97    Wetted Per. (ft)           5.43      72.79
  Min Ch El (ft)           2339.58    Shear (lb/sq ft)           1.08       2.78
  Alpha                       1.02    Stream Power (lb/ft s)   430.79       0.00       0.00
  Frctn Loss (ft)             1.43    Cum Volume (acre-ft)       0.12      41.72       0.34
  C & E Loss (ft)             0.01    Cum SA (acres)             0.18      21.26       0.25


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6460

INPUT
Description:
Station Elevation Data    num=     152
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2352.69    2.46 2352.65    3.35 2352.64    4.26 2352.63    7.54 2352.59
    8.94 2352.58   10.47 2352.55   12.23 2352.51   14.24 2352.46   16.58 2352.39
   19.25  2352.3   21.63 2352.29   23.97  2352.3   28.03    2352   28.43    2352
   29.35 2351.99    30.1    2352   30.39    2352   30.88 2352.02   31.03 2352.02
   40.99 2352.35   41.05 2352.35   44.27 2352.37   61.22 2352.56   74.37 2352.59
   79.56 2352.63   83.38 2352.65   86.38 2352.66  100.81 2352.63  110.54 2352.65
  115.73 2352.62  125.06  2352.6  134.88 2352.65  137.52 2352.68  142.88 2352.63
  153.58 2352.35  154.54 2352.36  157.33    2352  158.36 2351.38  159.06    2351
  160.32 2350.18   160.6    2350  160.97 2349.75  162.35    2349  163.54 2348.22
  163.91    2348   164.3 2347.77  165.66    2347  166.05 2346.78  166.33 2346.62
  167.33    2346  168.02  2345.6     169    2345  169.72 2344.59  170.68    2344
  171.41 2343.58  172.35    2343  175.29 2342.56  179.98    2342  185.25 2341.43
  189.58    2341  197.68 2340.09  198.75    2340  202.55 2339.65  202.56 2339.65
  204.27    2339  206.57  2338.2     207    2338  217.22 2337.39  217.27 2337.39
  217.31 2337.39  219.07 2337.29  219.21 2337.29  221.54 2337.18  225.04 2337.17
  230.08 2337.26  236.65 2337.21  245.19 2337.29  245.31  2337.3  245.49 2337.32
  245.79 2337.35  246.16 2337.38  251.33    2338  251.48 2338.27  251.82    2339
     252 2339.31  252.37    2340  252.64 2340.59  252.82    2341  253.19 2341.67
  253.33    2342  253.78 2342.95  253.81    2343  254.17 2343.72  254.31    2344
   254.9 2344.58  255.04  2344.7  255.13 2344.77   255.2 2344.81  255.45    2345
  255.85 2345.44  256.39    2346  256.66 2346.31  256.97 2346.74  257.12    2347
  257.23 2347.15   257.7    2348  258.01 2348.41  258.32    2349  258.76 2349.56
     259    2350  259.26 2350.36  259.69    2351  260.37 2351.61  260.67    2352
  261.48 2352.79  262.18    2353  263.36 2353.01  264.55 2353.01  267.74 2353.04
  269.91 2353.04  271.93 2353.05  274.85 2353.04  276.88 2353.04  278.43 2353.04
  282.26 2353.03   284.4 2353.07  284.75 2353.07  289.81    2353  299.05 2352.92
  303.59 2352.88  306.84 2352.86  312.49 2352.84  312.91 2352.84  313.31 2352.84
  323.96 2352.79   328.2 2352.76  332.71 2352.73  335.05 2352.71  339.84 2352.66
  345.46 2352.61  354.23 2352.51  376.73 2352.22  383.66 2352.13  391.83    2352
  403.47 2351.69  411.27 2351.47  416.87 2351.31  426.21 2351.02  426.75 2351.01
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   426.9    2351  451.14 2350.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  166.05    .027  278.43    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        166.05  278.43            86.47   99.49   110.1            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2344.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.38    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2342.48    Reach Len. (ft)           86.47     99.49     110.10
  Crit W.S. (ft)           2342.84    Flow Area (sq ft)                  285.15
  E.G. Slope (ft/ft)      0.009415    Area (sq ft)                       285.15
  Q Total (cfs)            3528.00    Flow (cfs)                        3528.00
  Top Width (ft)             77.56    Top Width (ft)                      77.56
  Vel Total (ft/s)           12.37    Avg. Vel. (ft/s)                    12.37
  Max Chl Dpth (ft)           5.31    Hydr. Depth (ft)                     3.68
  Conv. Total (cfs)        36359.8    Conv. (cfs)                       36359.8
  Length Wtd. (ft)           99.49    Wetted Per. (ft)                    80.85
  Min Ch El (ft)           2337.17    Shear (lb/sq ft)                     2.07
  Alpha                       1.00    Stream Power (lb/ft s)    451.14     0.00       0.00
  Frctn Loss (ft)             1.75    Cum Volume (acre-ft)        0.11     40.76      0.34
  C & E Loss (ft)             0.02    Cum SA (acres)              0.18     20.99      0.25


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 6360

INPUT
Description:
Station Elevation Data    num=     152
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2351.03    1.35    2351    7.66 2350.31    7.99 2350.32   14.49 2350.33
   21.84 2350.36   22.96 2350.38   24.11 2350.41   32.83 2350.49   46.44 2350.66
   53.51 2350.74   54.35 2350.74   54.95 2350.74   63.19 2350.78   64.24 2350.78
   65.25 2350.78   66.36 2350.79   73.34 2350.79   77.13  2350.8   88.04 2350.78
    93.1 2350.78   98.28  2350.8   100.5 2350.81  107.66 2350.85  110.83 2350.81
  116.82 2350.71  116.92 2350.71  129.19    2351  133.67 2351.01  135.97 2351.01
  137.78 2351.01   139.4 2351.02  140.82 2351.02  142.11 2351.01  142.32 2351.01
  147.63    2351  147.94 2350.98  150.43    2350  151.71 2349.26  152.12    2349
  153.24 2348.28  153.64    2348   154.3 2347.54  155.07    2347  156.13  2346.3
  156.58    2346  157.43 2345.43   157.7 2345.25  158.05    2345  158.78 2344.48
  159.46    2344  159.74 2343.79  160.77    2343  161.88 2342.14  162.01    2342
  163.71 2341.66   167.1    2341  167.21 2340.99   172.6 2340.53  178.27    2340
  181.39 2339.61  183.56 2339.29  185.34    2339  185.82 2338.94  193.69    2338
  198.88  2337.4   199.5 2337.35  200.92    2337  203.09 2336.49  204.37    2336
  205.47 2335.99  206.76 2335.99  208.24    2336  209.31    2336  210.32    2336
     214 2336.01  214.29 2336.01  216.55 2336.01  217.59    2336  218.64    2336
  220.44 2335.99  224.92 2335.96  237.68 2335.76  250.95 2335.72   251.4 2335.73
  251.86 2335.73  256.33 2335.77  258.22 2335.78  274.88    2336  274.92    2336
  275.21    2336  286.82  2336.8  288.86    2337  288.86 2337.46  288.91    2338
  288.91  2338.2  289.03 2338.72  289.08    2339  289.12  2339.2  289.27    2340
  289.38 2340.63  289.44    2341  289.45  2341.1  289.58    2342  290.02 2342.76
  290.11 2342.92  290.12    2343  290.32 2343.74  290.36 2343.99  290.36    2344
  290.52 2344.97  290.53    2345  290.69 2345.95   290.7    2346  290.85 2346.94
  290.86    2347  291.02 2347.93  291.03    2348  291.06 2348.08  291.21    2349
  291.42 2349.23  291.58    2350  291.75    2350  292.11    2350  292.82 2350.01
  293.02 2350.01  296.77 2350.08   301.8 2350.15  314.83  2350.1  315.22  2350.1
  322.46 2350.05  322.71 2350.05  328.58    2350  328.72    2350  333.54 2349.96
  333.92 2349.95  347.87 2349.79  353.92 2349.64  361.82  2349.5  371.39 2349.25
  373.25 2349.21  374.44 2349.18  379.61    2349  398.86 2348.56  403.03 2348.49
  404.66 2348.47  415.69 2348.27  428.53 2348.01  429.91    2348  436.94 2347.84
  446.71 2347.62  448.41 2347.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  157.43    .027  293.02    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        157.43  293.02           144.83  163.77  174.36            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2343.11    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               4.91    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2338.20    Reach Len. (ft)          144.83     163.77     174.36
```

Crit W.S. (ft)	2339.63	Flow Area (sq ft)		198.34		
E.G. Slope (ft/ft)	0.040967	Area (sq ft)		198.34		
Q Total (cfs)	3528.00	Flow (cfs)		3528.00		
Top Width (ft)	96.86	Top Width (ft)		96.86		
Vel Total (ft/s)	17.79	Avg. Vel. (ft/s)		17.79		
Max Chl Dpth (ft)	2.48	Hydr. Depth (ft)		2.05		
Conv. Total (cfs)	17430.6	Conv. (cfs)		17430.6		
Length Wtd. (ft)	163.77	Wetted Per. (ft)		98.29		
Min Ch El (ft)	2335.72	Shear (lb/sq ft)		5.16		
Alpha	1.00	Stream Power (lb/ft s)	448.41	0.00	0.00	
Frctn Loss (ft)	1.71	Cum Volume (acre-ft)	0.11	40.21	0.34	
C & E Loss (ft)	0.03	Cum SA (acres)	0.18	20.79	0.25	

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 6197

INPUT
Description:
Station Elevation Data num= 180

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2349.19	4.37	2349.04	4.93	2349.03	5.74	2349	7.77	2348.82
12.11	2348.45	13.84	2348.32	16.18	2348.16	16.72	2348.12	17.02	2348.1
18.74	2348	19.32	2347.99	22.65	2347.79	27.4	2347.54	29.73	2347.43
30.96	2347.39	31.37	2347.34	32.07	2347.34	32.58	2347.34	33.48	2347.37
34.01	2347.32	34.39	2347.33	35.13	2347.28	35.78	2347.28	36.46	2347.24
36.93	2347.23	37.22	2347.23	37.58	2347.25	37.87	2347.27	38.39	2347.31
39.24	2347.41	39.6	2347.46	40.01	2347.52	40.29	2347.57	43.8	2348
45.79	2348.23	46.14	2348.26	47.1	2348.34	48.91	2348.47	56.12	2348.89
56.3	2348.91	56.44	2348.92	56.54	2348.93	57.49	2348.96	57.54	2348.97
57.84	2348.99	57.89	2349	57.9	2349	58.49	2349	58.98	2349
62.84	2348.99	64.75	2348.99	65.75	2348.99	66.15	2348.99	66.74	2348.98
67.82	2348.98	68.85	2348.98	69.18	2348.98	69.67	2348.98	70.94	2348.98
78.63	2348.79	89.21	2348.58	100.38	2348.57	113.72	2348.55	117.68	2348.54
121.12	2348.52	123.12	2348.51	125.22	2348.49	128.79	2348.45	133.83	2348.39
140.23	2348.28	148.04	2348.11	152.5	2348	153.71	2347.79	154.82	2347.57
155.48	2347.47	155.61	2347.45	156.62	2347	157.01	2346.73	158.28	2346
158.67	2345.73	159.94	2345	160.33	2344.73	161.08	2344.3	161.59	2344
161.99	2343.73	163.38	2343	164.55	2342.34	165.03	2342	165.52	2341.66
166.99	2341	167.94	2340.48	168.62	2340	176.56	2339.04	176.78	2339
179.17	2338.72	182.17	2338.39	185.76	2338	200.45	2337.39	208.49	2337
212.02	2336.71	212.22	2336.7	212.42	2336.69	212.54	2336.68	212.77	2336.66
218.06	2336	221.8	2335.61	226	2335	229.37	2334.6	235.53	2334
240.04	2333.1	240.43	2333	241.25	2333	246.23	2333	247.47	2333
250.37	2333	251.73	2333	263.93	2333.15	269.5	2333.22	275.65	2333.3
286.77	2333.44	321.18	2333.93	323.08	2333.95	326.14	2334	326.74	2334.08
329.63	2334.35	330.26	2334.44	330.56	2334.53	330.8	2335	330.92	2335.67
331.02	2336	331.12	2336.76	331.2	2337	331.27	2337.24	331.42	2338
331.5	2338.25	331.64	2339	331.72	2339.25	331.87	2340	331.97	2340.82
332.02	2341	332.08	2341.18	332.25	2342	332.31	2342.19	332.48	2343
332.6	2343.87	332.64	2344	332.8	2344.99	332.8	2345	332.8	2345.01
333.02	2346	333.03	2346.06	333.07	2346.19	333.31	2347	336.68	2347.02
337.01	2347.02	337.26	2347.02	345.53	2347.03	358.03	2347	366.93	2346.89
367.47	2346.88	368.07	2346.86	373.3	2346.73	379.28	2346.6	383.41	2346.5
386.48	2346.42	388.26	2346.38	404.71	2346	444.91	2345.14	446.9	2345.1
447.94	2345.07	448.55	2345.06	451.72	2345	463.84	2344.77	477.83	2344.52
484.16	2344.4	484.96	2344.38	487.9	2344.31	489.65	2344.27	497.11	2344.15

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	161.08	.027	333.07	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
161.08	333.07	252.67	212.84	183	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2338.75	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.67	Wt. n-Val.		0.027		
W.S. Elev (ft)	2336.09	Reach Len. (ft)	252.67	212.84	183.00	
Crit W.S. (ft)	2336.85	Flow Area (sq ft)		269.29		
E.G. Slope (ft/ft)	0.018243	Area (sq ft)		269.29		
Q Total (cfs)	3528.00	Flow (cfs)		3528.00		
Top Width (ft)	113.65	Top Width (ft)		113.65		
Vel Total (ft/s)	13.10	Avg. Vel. (ft/s)		13.10		
Max Chl Dpth (ft)	3.08	Hydr. Depth (ft)		2.37		
Conv. Total (cfs)	26120.4	Conv. (cfs)		26120.4		

Length Wtd. (ft)	212.84	Wetted Per. (ft)		115.09	
Min Ch El (ft)	2333.00	Shear (lb/sq ft)		2.66	
Alpha	1.00	Stream Power (lb/ft s)	497.11	0.00	0.00
Frctn Loss (ft)	4.30	Cum Volume (acre-ft)	0.11	39.33	0.34
C & E Loss (ft)	0.07	Cum SA (acres)	0.18	20.40	0.25

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 5984

INPUT
Description:
Station Elevation Data num= 240

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2349.42	1.76	2349.25	2.71	2349.15	4.29	2349	8.46	2348.63
8.97	2348.59	9.41	2348.55	11.71	2348.33	14.57	2348.07	15.41	2348
16.11	2347.94	18.82	2347.71	21.52	2347.49	22	2347.45	27.72	2347
33.31	2346.56	34.87	2346.45	37.52	2346.25	40.44	2346	41.85	2345.84
42.78	2345.71	44	2345	44.78	2344.32	45.14	2344	46.19	2343.08
46.27	2343	47.35	2342.1	47.45	2342	47.48	2341.95	48.73	2341
49.29	2340.64	50.05	2340	50.9	2339.27	51.3	2339	53.05	2338.25
53.8	2338	55.02	2337.58	56.65	2337	57.67	2336.59	59.4	2336
60.91	2335.43	62.19	2335	62.37	2334.94	65.42	2334	67.71	2333.74
68.23	2333.68	68.78	2333.61	69.53	2333.52	70.37	2333.43	71.58	2333.32
75.38	2333	76.09	2333	76.33	2333	76.64	2333	77.02	2333
78.76	2332.99	80.26	2332.99	80.96	2332.99	83.65	2333	85.9	2333.92
86.06	2334	86.19	2334.06	88.48	2335	90.43	2335.88	90.65	2336
92.11	2336.81	92.4	2337	92.6	2337.18	93.48	2338	93.65	2338.17
94.64	2339	94.87	2339.27	95.72	2340	96.02	2340.29	96.82	2341
97.12	2341.26	97.87	2342	99.09	2342.83	99.23	2343	99.42	2343.32
100.3	2344	100.63	2344.45	101.28	2345	104.41	2345.01	106.51	2345.01
111.36	2345	111.69	2345	111.79	2345	111.82	2344.97	111.9	2344.88
112	2344.72	112.35	2344	112.74	2343.21	112.86	2343	113.14	2342.54
113.47	2342	114.04	2341.26	114.22	2341	115	2340.07	115.05	2340
115.68	2339.24	115.86	2339	116.63	2338.17	116.75	2338	117.58	2337.11
117.67	2337	117.74	2336.91	118.54	2336	119.4	2335.22	119.58	2335
124.79	2334.98	124.9	2334.98	125.43	2334.98	125.77	2334.98	128.73	2334.84
128.74	2334.84	129.17	2334.87	129.91	2335	130.09	2335.11	131.47	2336
133.04	2336.92	133.15	2337	133.23	2337.05	134.45	2338	135.24	2338.64
135.4	2338.7	135.68	2339	136.34	2339.74	136.54	2340	137.22	2340.76
137.43	2341	138.1	2341.75	138.29	2342	138.98	2342.77	139.19	2343
139.87	2343.77	140.06	2344	140.27	2344.22	140.96	2345	141.57	2345.02
142.77	2345.03	143.22	2345.02	143.28	2345.02	143.34	2345.02	143.59	2345.01
143.71	2345.01	144.45	2345	145	2344.93	149.94	2344.36	150.02	2344.35
151.63	2344.17	153.17	2344.01	153.37	2344	153.4	2344	153.51	2344
153.98	2343.96	155.37	2343.3	155.89	2343	156	2342.86	156.68	2342
156.7	2341.97	156.88	2341.74	157.41	2341.1	157.49	2341	158.09	2340.27
158.31	2340	158.73	2339.48	159.12	2339	159.31	2338.77	159.61	2338.41
159.92	2338.05	159.96	2338	160.03	2337.92	160.81	2337	161.7	2336
161.97	2335.64	162.38	2335	164.66	2334.22	165.24	2334	167.46	2333.29
168.19	2333	168.68	2332.76	171.32	2332	196.51	2331.36	204.12	2331
206.23	2330.33	207.13	2330	208.07	2329.98	208.98	2329.98	209.87	2329.98
212.68	2329.98	216.44	2330	233.54	2330.11	244.41	2330.16	244.87	2330.16
245.06	2330.16	247.2	2330.18	248.28	2330.18	250.99	2330.18	263.21	2330.11
266.45	2330.1	266.64	2330.1	266.91	2330.1	270.72	2330.09	277.36	2330
279.04	2329.97	283.89	2329.96	284	2329.96	288.51	2329.9	288.72	2329.9
295.9	2329.64	300.25	2329.62	309.34	2330	323.98	2338.3	330.87	2339.77
343.52	2342.45	349.28	2343.74	349.54	2343.79	349.67	2343.82	349.81	2343.85
350.67	2344.04	350.69	2344.04	353.24	2344.05	355.73	2344.06	360.66	2344.07
371.08	2344.07	371.12	2344.07	371.21	2344.07	371.3	2344.07	379.97	2344.05
382.06	2344.05	383.48	2344.06	426.7	2344.13	430.13	2344.14	430.86	2344.14
436.11	2344.13	441.76	2344.12	442.4	2344.11	449.65	2344.07	450.18	2344.07

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	150.02	.027	330.87	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
150.02	330.87	253.07	134.59	99.74	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2335.00	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.32	Wt. n-Val.		0.027		
W.S. Elev (ft)	2332.69	Reach Len. (ft)	253.07	134.59	99.74	
Crit W.S. (ft)	2333.32	Flow Area (sq ft)		324.34		
E.G. Slope (ft/ft)	0.017010	Area (sq ft)		324.34		

Q Total (cfs)	3961.00	Flow (cfs)		3961.00		
Top Width (ft)	145.14	Top Width (ft)		145.14		
Vel Total (ft/s)	12.21	Avg. Vel. (ft/s)		12.21		
Max Chl Dpth (ft)	3.07	Hydr. Depth (ft)		2.23		
Conv. Total (cfs)	30370.5	Conv. (cfs)		30370.5		
Length Wtd. (ft)	134.35	Wetted Per. (ft)		146.14		
Min Ch El (ft)	2329.62	Shear (lb/sq ft)		2.36		
Alpha	1.00	Stream Power (lb/ft s)	450.18	0.00	0.00	
Frctn Loss (ft)	3.74	Cum Volume (acre-ft)	0.11	37.88	0.34	
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	19.77	0.25	

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 5849

INPUT
Description:
Station Elevation Data num= 208

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2349.07	.64	2349	3.94	2348.63	10.27	2348	18.71	2347.17
20.31	2347	22.94	2346.74	23.41	2346.69	29.61	2346	30.18	2345.41
30.65	2345	30.99	2344.65	31.6	2344	32.37	2343.14	32.54	2343
33.3	2342.15	33.43	2342	34.15	2341.21	34.34	2341	34.36	2340.98
35.28	2340	35.37	2339.91	36.24	2339	36.39	2338.85	37.19	2338
37.4	2337.79	38.15	2337	38.43	2336.73	39.13	2336	39.47	2335.67
40.12	2335	40.53	2334.62	41.08	2334.04	41.12	2334	41.62	2333.5
42.09	2333	42.88	2332.28	43.21	2332	44.47	2331.36	44.92	2331
47.5	2330.58	51.25	2330	54.87	2329.59	59.82	2329	70.78	2328.99
79.92	2328.98	85.01	2328.98	90.58	2328.99	93.87	2328.99	99.23	2329
100.34	2329	101.12	2329.01	102.77	2329.08	102.91	2329.08	103.27	2329.09
106.64	2329.11	110.66	2329.5	113.68	2329.65	115.2	2330	116.14	2330.37
117.92	2331	118.86	2331.39	120.54	2332	122.19	2332.83	122.51	2333
123.23	2333.88	123.33	2334	123.43	2334.13	124.18	2335	124.94	2335.87
125.05	2336	125.72	2336.9	125.81	2337	126.64	2337.99	126.65	2338
127.48	2338.98	127.49	2339	127.51	2339.02	128.39	2340	129.11	2340.91
129.2	2341	129.52	2341	131.22	2341	133.93	2341	151.04	2341.01
168.94	2341	173.06	2341	173.78	2341	173.79	2340.99	174.71	2340
174.74	2339.97	175.54	2339	176.13	2338.3	176.55	2338	176.77	2337.72
177.51	2337	177.84	2336.58	178.52	2336	179.55	2335.49	180.56	2335
181.49	2334.52	182.53	2334	183.77	2333.35	184.48	2333	186.18	2332.14
186.38	2332	186.48	2332	186.61	2332	186.66	2332	186.91	2332
187.19	2332	201.16	2331.6	208.85	2331.4	212.15	2331.31	216.54	2331.2
223.67	2331	223.76	2330.99	232.67	2330	236.64	2329.53	241.4	2329
242.97	2328.82	247.91	2328	249.35	2327.85	260.27	2327.54	261.46	2327.51
267.86	2327.45	271.55	2327.49	274.12	2327.5	276.56	2327.51	280.63	2327.55
285.55	2327.62	287.07	2327.65	292.26	2327.63	293.55	2327.65	295.54	2327.65
297.52	2327.65	299.57	2327.65	301.45	2327.66	310.93	2327.73	324.67	2327.96
326.19	2328	332.32	2328.21	335.22	2328.31	338.79	2328.44	346.75	2328.78
348.92	2328.87	350.5	2328.93	350.72	2328.94	350.93	2328.94	351.46	2328.96
351.52	2328.96	351.58	2328.96	351.82	2329	352.54	2329.35	353.19	2329.64
354.08	2330	355.04	2330.25	356.06	2330.5	356.59	2330.65	356.86	2330.76
356.95	2330.83	356.99	2331	357.02	2331.92	357.03	2332	357.1	2332.93
357.11	2333	357.18	2333.95	357.19	2334	357.26	2334.97	357.26	2335
357.34	2335.99	357.34	2336	357.37	2336.29	357.78	2337	358.13	2337.32
358.36	2338	358.37	2338.04	358.41	2338.14	358.68	2338.8	358.77	2339
358.9	2339.29	359.23	2340	359.33	2340.29	359.64	2341	359.88	2341.47
360.08	2342	361.11	2342.11	361.57	2342.16	361.83	2342.21	362.26	2342.19
362.59	2342.25	363.22	2342.24	364.6	2342.32	368.22	2342.73	373.71	2343
381.05	2343.09	381.72	2343.1	384.35	2343.12	386.83	2343.15	390.05	2343.17
391.22	2343.18	392.55	2343.19	398.42	2343.24	403.66	2343.28	407.78	2343.29
417.05	2343.29	419.31	2343.3	422.62	2343.31				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	41.08	.027	346.75	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
41.08	346.75	216.27	222.02	224.5	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2332.43	Element	Left OB	Channel	Right OB	
Vel Head (ft)	2.20	Wt. n-Val.		0.027	0.035	
W.S. Elev (ft)	2330.23	Reach Len. (ft)	216.27	222.02	224.50	
Crit W.S. (ft)	2330.89	Flow Area (sq ft)		326.35	8.50	
E.G. Slope (ft/ft)	0.021798	Area (sq ft)		326.35	8.50	
Q Total (cfs)	3961.00	Flow (cfs)		3907.51	53.49	
Top Width (ft)	190.27	Top Width (ft)		182.07	8.19	
Vel Total (ft/s)	11.83	Avg. Vel. (ft/s)		11.97	6.30	
Max Chl Dpth (ft)	2.77	Hydr. Depth (ft)		1.79	1.04	

Conv. Total (cfs)	26828.2	Conv. (cfs)		26466.0	362.3
Length Wtd. (ft)	222.04	Wetted Per. (ft)		182.44	8.44
Min Ch El (ft)	2327.45	Shear (lb/sq ft)		2.43	1.37
Alpha	1.01	Stream Power (lb/ft s)	422.62	0.00	0.00
Frctn Loss (ft)	2.58	Cum Volume (acre-ft)	0.11	36.88	0.33
C & E Loss (ft)	0.00	Cum SA (acres)	0.18	19.26	0.25

Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 5627

INPUT
Description:
Station Elevation Data num= 184

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2345.22	1.5	2345.04	1.8	2345	2.16	2344.96	7.68	2344.18
9.62	2344	19.7	2343.07	20.57	2343	34.36	2342.02	34.66	2342
34.76	2341.99	35.37	2341.95	49.06	2341	50.75	2340.79	56.62	2340
58.16	2339.42	58.76	2339.21	59.46	2339	61.1	2338.49	63.02	2338
63.49	2337.86	66.87	2337	67.84	2336.71	70.27	2336.1	70.66	2336
71.35	2335.8	74.57	2335	74.98	2334.88	78.58	2334	79.1	2333.83
79.34	2333.74	79.76	2333.55	79.9	2333.51	79.99	2333.47	80.85	2333.02
80.85	2333.01	80.88	2333	80.89	2332.99	82.64	2332	83.43	2331.57
84.44	2331	85.01	2330.68	86.23	2330	87.36	2329.37	88	2329
89.43	2328.19	89.8	2328	90.06	2327.88	91.8	2327	97.48	2326.49
102.98	2326	114.29	2326	120.54	2325.99	133.19	2326	138.01	2326
139.02	2326.96	139.05	2327	139.08	2327.02	140.12	2328	140.14	2328.01
141.02	2328.84	141.17	2328.98	141.19	2329	142.15	2329.88	142.28	2330
142.4	2330.11	143.37	2331	143.84	2331.37	144.43	2332	145.14	2332.61
145.59	2333	146.23	2333.65	146.62	2334	146.79	2334.17	147.8	2335
148.34	2335.54	148.85	2336	149.26	2336.4	149.91	2337	156.69	2337.4
157.41	2337.44	159.74	2337.44	170.37	2337.48	184.82	2337.07	188.61	2337.02
189.85	2337	190.36	2336.6	191.31	2336	192.6	2335.04	192.67	2335
193.96	2334.04	194.03	2334	194.08	2333.96	195.54	2333	196.68	2332.03
196.73	2332	196.77	2331.97	198.12	2331	199.27	2330.09	199.41	2330
201.25	2329.01	201.64	2329	208.05	2328.59	213.78	2328.25	216.38	2328
219.11	2327.2	219.88	2327	220.91	2326.47	222.01	2326	222.33	2325.84
223.63	2325	231.16	2324.52	233.68	2324.34	235.08	2324.27	236.01	2324.23
236.66	2324.21	236.99	2324.21	238.63	2324.01	238.65	2324.01	238.76	2324
239.95	2323.99	240.05	2323.99	240.93	2323.99	241.12	2323.99	241.89	2323.98
242.28	2323.98	242.98	2323.98	246.16	2323.97	250.9	2323.96	253.69	2323.94
261.47	2323.9	261.9	2323.9	277.31	2323.7	277.56	2323.71	291.86	2324
332.33	2326.75	334.68	2327	335.39	2327	335.46	2327	342.13	2327.36
351.24	2328	353.22	2328.67	353.79	2328.83	354.27	2329	354.5	2329.16
355.68	2330	356.7	2331	357.64	2331.87	357.81	2332	357.83	2332.02
358.66	2332.71	358.96	2333	359.93	2333.89	360.04	2334	360.17	2334.11
361	2335	361.62	2335.55	362.16	2336	362.7	2336.48	363.29	2337
363.86	2337.51	364.42	2338	368.47	2338	368.87	2338	369.39	2338
369.94	2338	370.14	2338	373.87	2338	377.35	2338	377.49	2338
377.97	2338	378.53	2338	378.68	2338	379.17	2338	387.44	2338.27
394.81	2338.49	399.04	2338.51	410.02	2338.52	415.1	2338.53	419.24	2338.53
425.31	2338.53	437.25	2338.48	450.55	2338.45	465.15	2338.33		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	70.27	.027	357.83	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
70.27	357.83	307.06	260.47	252.46	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2329.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.55	Wt. n-Val.		0.027	
W.S. Elev (ft)	2327.49	Reach Len. (ft)	307.06	260.47	252.46
Crit W.S. (ft)	2327.74	Flow Area (sq ft)		396.13	
E.G. Slope (ft/ft)	0.011194	Area (sq ft)		396.13	
Q Total (cfs)	3961.00	Flow (cfs)		3961.00	
Top Width (ft)	174.53	Top Width (ft)		174.53	
Vel Total (ft/s)	10.00	Avg. Vel. (ft/s)		10.00	
Max Chl Dpth (ft)	3.79	Hydr. Depth (ft)		2.27	
Conv. Total (cfs)	37438.2	Conv. (cfs)		37438.2	
Length Wtd. (ft)	260.15	Wetted Per. (ft)		176.03	
Min Ch El (ft)	2323.70	Shear (lb/sq ft)		1.57	
Alpha	1.00	Stream Power (lb/ft s)	465.15	0.00	0.00
Frctn Loss (ft)	3.37	Cum Volume (acre-ft)	0.11	35.04	0.30
C & E Loss (ft)	0.02	Cum SA (acres)	0.18	18.35	0.22

```
Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 5367

INPUT
Description:
Station Elevation Data    num=     244
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2339.86    8.16  2339.1    9.36    2339   10.88 2338.85   19.33    2338
   21.57  2337.8   28.99    2337   39.94 2336.22   42.23    2336   47.98 2335.64
   49.88 2335.54   59.51 2335.07   60.89    2335   73.44 2334.41   81.93    2334
   89.76 2333.74   91.48 2333.71   95.75 2333.59   99.36 2333.52  102.55 2333.47
  117.28 2333.27  125.09 2333.16  132.42 2333.01  133.19    2333  133.51    2333
  133.56    2333  133.85    2333  141.69 2332.81  147.67 2332.69  148.26 2332.67
   151.5 2332.63  152.16 2332.62  155.39 2332.57  156.17 2332.56  157.03 2332.55
  161.98 2332.35  167.79 2332.04  170.18    2332  170.67 2331.14  170.82    2331
  171.12  2330.7  171.53    2330  171.88 2329.73  172.82    2329  173.97 2328.18
   174.2    2328  174.58 2327.73  175.14 2327.32  175.57    2327  176.25 2326.48
  176.91    2326   177.1 2325.86  177.22 2325.76  177.57 2325.48   178.4    2325
  180.24 2324.05  180.36    2324  182.05 2323.16  182.36    2323  190.45 2322.55
  190.78 2322.53  202.04    2322  204.05    2322  204.07    2322  208.15    2322
  208.42    2322  209.62 2321.99  223.45 2321.98  227.59 2321.98  228.04 2321.98
  228.28 2321.98  229.28 2321.98  229.65 2321.98  229.92 2321.98  239.96 2321.54
   240.3 2321.55  241.08 2321.52  241.45 2321.52  242.09 2321.52  242.73 2321.52
  244.28 2321.55  245.76  2321.6   247.6 2321.68  248.27 2321.67  251.72    2322
  252.19 2322.05  252.41 2322.07   254.5 2322.27  256.41 2322.46  258.04  2322.6
  259.13 2322.69  260.36 2322.78  262.35    2323  264.17 2323.48  267.79    2324
  268.39 2324.29  269.83    2325   270.3 2325.22   271.8    2326  272.07 2326.21
  273.03    2327  273.36 2327.32  274.07    2328  274.48 2328.38  275.12    2329
  275.73 2329.59   276.2    2330  276.86 2330.63  277.28    2331     278  2331.7
  278.33    2332  280.04 2332.21   280.2 2332.23  284.72 2332.42  287.59 2332.51
  287.98    2332  288.33 2331.48  288.68    2331  288.99 2330.46   289.3    2330
  289.63 2329.51  289.97    2329  290.28 2328.42  290.56    2328  290.87 2327.55
  291.23    2327  291.54 2326.44  291.84    2326  292.06 2325.47  292.45    2325
  293.01 2324.37  293.33    2324  294.16 2323.02  294.19    2323  295.09 2322.08
  295.19    2322  295.29 2321.94  298.01    2321  302.76 2321.11  305.36 2321.15
   308.9 2321.09   310.9 2321.06  313.78    2321  318.85 2321.19  319.36 2321.19
  332.04 2321.36  341.29 2321.41  342.21  2321.4  342.92 2321.38  359.13 2321.26
  380.86 2321.01  381.89 2321.01  382.24 2321.01   382.8    2321  383.88    2321
  384.54 2320.86  387.67    2320  391.22 2319.99  393.05 2319.99  398.39 2319.98
  402.04 2319.98  407.33 2319.98  415.82 2319.98  422.19 2319.98  425.31 2319.99
   427.1 2319.99  428.39 2319.99  433.09    2320  435.88    2320  437.28    2320
  437.75    2320  438.17    2320  438.71    2320  439.48    2320  440.14 2320.01
  442.06 2320.11   443.4 2320.18  445.28 2320.29  450.26 2320.56  454.16 2320.74
  458.96 2320.99  459.85    2321  459.88    2321  459.96    2321  460.04    2321
  461.44 2321.34  462.13 2321.68  462.72    2322  462.83 2322.28  463.12    2323
  463.42 2323.78  463.51    2324  463.85 2324.88  463.89    2325  464.27 2325.97
  464.28    2326  464.37 2326.24  464.82 2326.81   464.9    2327  465.32 2327.62
  465.46    2328     466 2328.68   466.1    2329  466.23  2329.4  466.45    2330
  466.59 2330.38  466.73 2330.93  466.74    2331  466.77 2331.08  467.02    2332
  467.35 2332.82   467.4    2333  475.41    2333  478.13    2333  478.72    2333
   478.8    2333  480.66    2333  494.19    2333  512.16    2333  527.26 2332.89
  527.57 2332.89  527.89 2332.89  545.23 2332.92   545.8 2332.92  553.64 2332.95
  561.26    2333  561.33    2333  561.37    2333  570.22 2333.07   570.7 2333.08
  597.47 2333.31  600.95 2333.34   602.1 2333.35  608.33 2333.42  618.11 2333.55
  622.48  2333.6  642.35 2333.99  642.54 2333.99   642.7 2333.99  642.84 2333.97
  642.93    2334  646.77  2334.8  647.08 2334.83  647.25 2334.83

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  177.22    .027  445.28    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        177.22  445.28           259.76   243.1  272.64            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2324.64    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               2.10    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2322.54    Reach Len. (ft)         259.76     243.10    272.64
  Crit W.S. (ft)           2323.17    Flow Area (sq ft)                  310.76     30.78
  E.G. Slope (ft/ft)      0.028392    Area (sq ft)                       310.76     30.78
  Q Total (cfs)            3961.00    Flow (cfs)                        3648.96    312.04
  Top Width (ft)            235.14    Top Width (ft)                     217.48     17.66
  Vel Total (ft/s)           11.60    Avg. Vel. (ft/s)                    11.74     10.14
  Max Chl Dpth (ft)           2.56    Hydr. Depth (ft)                     1.43      1.74
  Conv. Total (cfs)        23507.6    Conv. (cfs)                       21655.7    1851.9
  Length Wtd. (ft)          244.33    Wetted Per. (ft)                   218.09     18.24
  Min Ch El (ft)           2319.98    Shear (lb/sq ft)                     2.53      2.99
```

Alpha	1.00	Stream Power (lb/ft s)	647.25	0.00	0.00
Frctn Loss (ft)	4.40	Cum Volume (acre-ft)	0.11	32.92	0.22
C & E Loss (ft)	0.01	Cum SA (acres)	0.18	17.18	0.17

Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 5124

INPUT
Description:
Station Elevation Data num= 266

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2333.58	6.21	2334	8.82	2334.09	11.18	2334.13	13.51	2334.09
18.14	2334.26	25.66	2334.18	28.76	2334.11	32.51	2334.01	32.7	2334
36.2	2333.82	41.06	2333.57	52.36	2333	58.09	2332.7	69.83	2332
72.82	2331.83	79.74	2331.4	85.95	2331	104.99	2330.43	121.42	2330
124.63	2329.94	155.11	2329	155.14	2328.95	156.07	2328	156.09	2327.98
156.86	2327.18	157.04	2327	157.05	2326.99	158.07	2326	158.11	2325.96
159.1	2325	159.18	2324.91	160.23	2324	160.51	2323.72	161.23	2323
161.57	2322.67	162.31	2322	162.75	2321.51	163.28	2321	163.83	2320.45
164.23	2320	164.83	2319.56	165.65	2319	168.56	2318.54	170.36	2318.27
172.42	2318	176.34	2317.86	193.86	2317.21	199.91	2317.03	200.06	2317.03
200.18	2317.02	201.05	2317	201.42	2317	201.66	2317	201.94	2316.99
203.21	2316.97	208.65	2316.89	208.91	2316.89	209.18	2316.89	212.16	2316.84
221.79	2316.64	248.86	2316	249.3	2315.99	250	2315.99	250.49	2315.99
251.54	2315.99	251.87	2316	252.36	2316.18	255.88	2317	263.8	2317.46
264.73	2317.47	269.24	2317.55	275.78	2317.68	277	2317.7	278.08	2317.72
283.5	2317.69	285.84	2318	286.54	2318.35	287.53	2319	288.34	2319.43
289.05	2320	289.48	2320.24	290.76	2321	291.19	2321.24	292.48	2322
293.14	2322.82	293.4	2323	293.79	2323.4	294.59	2324	295.6	2324.93
295.69	2325	296.04	2325.44	296.71	2326	297.28	2326.54	297.8	2327
303.18	2327.3	304.08	2327.34	304.89	2327.38	311.76	2327.5	318.32	2327.71
319.99	2327.74	321.34	2327.76	327.78	2327.83	328.25	2327.84	329.1	2327.85
329.38	2327.85	336.89	2327.91	337.04	2327.91	337.17	2327.91	337.7	2327.92
338.12	2327.93	338.43	2327.93	340.02	2327.92	343.09	2327.87	360.31	2328
373.26	2328.03	374.76	2328	376.26	2328.01	377.92	2328	378.03	2328
378.04	2327.97	378.48	2327	378.94	2326.03	378.96	2326	379.41	2325.04
379.43	2325	379.46	2324.89	379.92	2324	380.26	2323.16	380.4	2323
380.41	2322.95	380.87	2322	380.9	2321.94	381.47	2321	381.56	2320.82
382.05	2320	382.96	2319.08	383.27	2319.03	383.6	2319.01	383.64	2319
383.68	2319	384.36	2318.85	385.33	2318.59	387.32	2318	388.45	2317.99
405.96	2317.57	414.81	2317.44	427.18	2317.67	429.36	2317.61	432.96	2317.45
433.48	2317.46	434.73	2317	438.47	2316.22	440.65	2316.22	448	2316.33
448.44	2316.3	457.58	2316.23	466.42	2316.29	468.8	2316.32	471.48	2316.37
483.82	2316.5	485.58	2316.52	494.19	2316.63	494.65	2316.63	495	2316.63
495.37	2316.63	495.92	2316.64	497.9	2316.66	500	2316.69	530.19	2317.96
564.79	2319.33	568.3	2319.32	571.8	2319.32	577.98	2319.36	580.82	2319.39
584.11	2319.42	607.29	2319.51	616.62	2319.72	618.29	2319.75	619.82	2319.75
621.42	2319.74	622.76	2319.77	624.22	2319.81	628.98	2319.7	629.8	2319.73
633.07	2319.83	634.01	2319.84	634.03	2319.84	634.68	2319.82	635.61	2319.77
636.78	2319.77	637.12	2319.75	638.42	2319.74	639.48	2319.68	640.61	2319.66
641.38	2319.6	642.18	2319.57	648.28	2319	650.9	2318.47	651.64	2318.31
652.72	2318	653.06	2318	654.28	2317.99	654.73	2318	655.16	2318
657.16	2318.44	657.48	2318.53	659.14	2319	660.06	2319.31	662.42	2320
663.56	2320.63	664.34	2321	665.1	2321.37	666.09	2322	667.35	2322.77
667.77	2323	667.94	2323.09	669.53	2324	670.4	2324.45	671.36	2325
672.62	2325.67	673.21	2326	674.84	2326.86	675.09	2327	676.6	2327.79
676.9	2327.96	676.97	2328	677.09	2328.04	680.15	2329	681.04	2329.15
686	2330	691.14	2330.21	691.66	2330.23	704.7	2331	712.5	2331.45
713.88	2331.47	715.41	2331.5	716.6	2331.53	717.69	2331.55	718.03	2331.55
723.28	2332	732.61	2332.93	733.31	2333	734.03	2333.07	742.28	2334
742.82	2334.05	751.89	2335	756.46	2335.46	762.89	2336	772.58	2336.81
775.91	2337	776.55	2337	777.33	2337.02	777.7	2337.02	779.09	2337.04
779.23	2337.04	779.42	2337.04	787.13	2337.27	792.88	2337.28	798.91	2337.24
803.13	2337.12	803.53	2337.13	803.98	2337.13	807.2	2337	814.63	2336.6
818.78	2336.35								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	176.34	.027	653.06	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
176.34	653.06	237.06	191.78	209.09	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2319.93	Element			
Vel Head (ft)	1.20	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2318.73	Reach Len. (ft)	237.06	191.78	209.09
Crit W.S. (ft)	2318.98	Flow Area (sq ft)	5.03	445.77	2.70
E.G. Slope (ft/ft)	0.013825	Area (sq ft)	5.03	445.77	2.70
Q Total (cfs)	3961.00	Flow (cfs)	17.04	3935.29	8.68
Top Width (ft)	293.03	Top Width (ft)	8.96	278.95	5.12
Vel Total (ft/s)	8.73	Avg. Vel. (ft/s)	3.38	8.83	3.22
Max Chl Dpth (ft)	2.74	Hydr. Depth (ft)	0.56	1.60	0.53
Conv. Total (cfs)	33687.8	Conv. (cfs)	144.9	33469.1	73.8
Length Wtd. (ft)	191.90	Wetted Per. (ft)	9.02	279.74	5.20
Min Ch El (ft)	2315.99	Shear (lb/sq ft)	0.48	1.38	0.45
Alpha	1.02	Stream Power (lb/ft s)	818.78	0.00	0.00
Frctn Loss (ft)	4.69	Cum Volume (acre-ft)	0.09	30.81	0.11
C & E Loss (ft)	0.03	Cum SA (acres)	0.15	15.79	0.10

Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 4932

INPUT
Description:
Station Elevation Data num= 282

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2324.33	7.28	2324.61	9.93	2324.71	13.8	2324.88	15.47	2325
28.45	2325.54	31.86	2325.63	33.79	2325.69	35.19	2325.73	40.05	2325.81
43.92	2325.89	49.13	2325.93	55.5	2325.95	56.22	2325.96	63.14	2325.94
63.99	2325.95	64.32	2325.94	64.67	2325.94	72.14	2325.91	72.49	2325.9
88.79	2325.8	93.03	2325.76	115.24	2325.64	141.42	2325.41	143.44	2325.38
145.73	2325.33	158.72	2325	170.06	2324.71	177.64	2324.68	184.68	2324.66
188.08	2324.66	188.93	2324.66	190.21	2324.66	193.6	2324.65	197.26	2324.63
211.85	2324.62	217.56	2324.54	223.04	2324.48	227.3	2324.46	230	2324.42
233.51	2324.35	248.33	2324	248.38	2324	248.39	2324	251.18	2323.42
251.77	2323.27	252	2323.19	252.34	2323	252.53	2322.89	254.03	2322
254.83	2321.5	255.71	2321	256.73	2320.39	257.44	2320	258.36	2319.48
259.02	2319.11	259.22	2319	259.92	2318.58	260.92	2318	262.47	2317.35
263.24	2317	264.83	2316.4	265.92	2316	266.53	2315.74	268.53	2315
270.69	2314.26	271.11	2314.25	278.3	2314.2	282.31	2314.02	282.94	2314.02
286.48	2314.01	286.9	2314.01	287.13	2314.01	287.5	2314.01	289.22	2314
290.2	2313.99	290.71	2313.97	290.83	2313.97	291.18	2313.96	292.42	2313.89
292.59	2313.88	292.83	2313.87	299.6	2313.53	300.27	2313.49	301.18	2313.44
303.68	2313.28	304.93	2313.23	305.79	2313.17	311.34	2313	322.24	2313
327.26	2313	329.55	2313	332.48	2313	332.85	2313	334.09	2313
336.06	2313	343.61	2313	353.84	2313	354.15	2313	355.75	2313
358.28	2313	361.13	2313	363.05	2313	363.08	2313	363.09	2313
363.85	2313.29	365.95	2314	366.92	2314.41	368.66	2315	370.37	2315.94
370.45	2316	370.46	2316.02	370.97	2317	371.05	2317.13	371.5	2318
371.62	2318.24	372.11	2319	372.24	2319.24	372.73	2320	373.2	2320.74
373.36	2321	373.59	2321.63	373.82	2322	374.16	2322.63	374.4	2323
374.92	2323.76	375.18	2324	379.98	2324	380.87	2324	384.55	2324
385.77	2324	387.09	2324	387.5	2323.69	388.48	2323	389.43	2322.22
389.63	2322	390.6	2321.26	391.04	2321	391.56	2320.69	392.96	2320
394.15	2319.43	394.97	2319	397.11	2318.04	397.2	2318	397.63	2317.8
399.35	2317	399.69	2316.84	401.35	2316	401.85	2315.8	403.47	2315
409.31	2314.39	415.12	2314	416.08	2313.72	418.75	2313	419.48	2313
419.63	2313	419.75	2313	421.72	2312.99	421.86	2312.99	423.37	2312.99
423.44	2312.99	425.33	2312.99	425.86	2312.99	428.1	2312.99	430.97	2312.99
432.57	2313	435.75	2313	440.17	2313.1	440.46	2313.11	444.72	2313.21
456.05	2313.48	457.27	2313.48	467.12	2313.67	481.22	2313.99	481.85	2313.99
484.78	2314	486.5	2314.21	486.96	2314.22	487.54	2314.24	489.02	2314.26
489.92	2314.28	492.5	2314.35	497.06	2314.49	503.15	2314.73	511.44	2315
516.43	2315.47	517.44	2315.45	525.4	2315.56	532.14	2315.53	537.03	2315.46
538.78	2315.42	541.39	2315.39	550.8	2315.17	551.31	2315.16	555.93	2315.05
556.43	2315.04	556.59	2315.04	556.73	2315.04	558.83	2315	559.61	2314.97
561.82	2314.92	563.77	2314.89	563.89	2314.88	564	2314.88	565.97	2314.84
566.07	2314.85	567.84	2314.79	569.15	2314.72	577.87	2314.93	578.41	2314.93
582.38	2314.96	584.01	2314.97	588.76	2315	589.63	2315.21	593.01	2316
594.51	2316.39	594.98	2316.51	597.03	2317	600.1	2317.81	600.35	2317.88
600.49	2317.91	600.93	2318	601.16	2318.04	602.85	2318.32	606.05	2319
609.26	2319.42	611.68	2319.74	614.13	2320	615.07	2320.05	615.27	2320.06
615.3	2320.06	618.28	2320.37	619.39	2320.38	619.61	2320.41	620.62	2320.44
620.91	2320.45	621.67	2320.52	626.57	2320.63	628.08	2320.79	629.91	2321
629.97	2321	632.73	2321.4	636.89	2322	637.45	2322.07	637.92	2322.13
641.37	2322.58	644.77	2323	647.77	2323.22	651.34	2323.43	658.79	2323.84
659.92	2323.91	660.27	2323.93	661.94	2324	662.55	2324	663.36	2324.01
663.85	2324.01	664.25	2324.01	665.39	2324.01	665.61	2324.01	666.53	2324.01

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  667.59 2324.02   670.2 2324.02  671.52 2324.02  674.27 2324.02  675.59 2324.02
  678.99 2324.02  683.15 2324.08  689.33    2324  706.48 2323.71   711.5  2323.6
  713.04 2323.57  714.46 2323.56   724.4 2323.37  726.41 2323.39  727.89 2323.37
  734.73 2323.42  741.29 2323.43  749.22 2323.51   751.3 2323.54   767.3 2323.62
  768.79 2323.63  801.76 2323.99

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  259.02    .027  609.26    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        259.02  609.26           148.59  183.34  226.28            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2316.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.45    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2315.46    Reach Len. (ft)          148.59     183.34     226.28
  Crit W.S. (ft)           2315.85    Flow Area (sq ft)                   409.67
  E.G. Slope (ft/ft)      0.017912    Area (sq ft)                        409.67
  Q Total (cfs)            3961.00    Flow (cfs)                         3961.00
  Top Width (ft)            271.26    Top Width (ft)                      271.26
  Vel Total (ft/s)            9.67    Avg. Vel. (ft/s)                      9.67
  Max Chl Dpth (ft)           2.47    Hydr. Depth (ft)                      1.51
  Conv. Total (cfs)        29596.2    Conv. (cfs)                       29596.2
  Length Wtd. (ft)          183.45    Wetted Per. (ft)                    272.38
  Min Ch El (ft)           2312.99    Shear (lb/sq ft)                      1.68
  Alpha                       1.00    Stream Power (lb/ft s)    801.76       0.00       0.00
  Frctn Loss (ft)             3.01    Cum Volume (acre-ft)        0.08      28.93       0.10
  C & E Loss (ft)             0.00    Cum SA (acres)              0.13      14.58       0.09


Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 4748

INPUT
Description:
Station Elevation Data    num=     195
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2322.88   15.92 2322.94   16.68 2322.95   16.86 2322.95   17.07 2322.96
    17.3 2322.96   17.71 2322.96   20.99 2322.96   21.22 2322.97   21.44 2322.97
   21.65 2322.96    24.7 2322.96    25.3 2322.95   45.31 2322.86   47.86 2322.85
   70.34  2322.8   78.55 2322.78   83.16 2322.75   87.12 2322.72   91.47 2322.72
   95.83 2322.73   96.39 2322.73   98.22 2322.72  101.39  2322.7  115.27 2322.65
  124.07 2322.61  125.72  2322.6  127.53 2322.58   129.8 2322.54  146.18 2322.53
   162.7 2322.02  162.74 2322.02  162.77 2322.02  163.15    2322  163.57    2322
  163.82    2322  166.46 2321.99  172.11 2321.97  180.79 2321.97  180.95 2321.97
  181.89 2321.96  182.72 2321.97  182.73 2321.97  182.75 2321.97  185.03 2321.92
   186.1 2321.86  196.91 2321.03  202.24 2321.02  202.65 2321.01  211.05    2321
  211.13    2321  211.14    2321  211.15    2321  211.31    2321  212.03    2321
  216.81 2320.68  220.47 2320.44  221.15 2320.38  221.49 2320.33  221.73 2320.27
  222.02 2320.22  222.61    2320   223.6 2319.53  224.88    2319  227.33 2318.21
  228.02 2318.13  229.81 2318.03  230.16    2318     231 2317.93   231.2 2317.91
  232.33 2317.78  233.16 2317.67   235.8 2317.19  236.23 2317.11  236.67    2317
  240.52  2316.4  242.22    2316  242.83 2315.82  244.38 2315.43  245.95    2315
  248.63 2314.31  249.52 2314.07  249.77    2314  249.98 2313.95  253.66    2313
  255.35 2312.63   257.9    2312  260.26 2311.48  262.46    2311  267.79 2310.18
  268.52 2310.18  269.77 2310.22  269.83 2310.22  269.89 2310.22   271.3 2310.28
  278.46 2310.31  281.51   2310.4 290.03 2310.64  294.04 2310.72  308.85 2310.85
  320.76 2310.99  322.23 2310.99  325.31    2311  330.31 2311.03   341.2 2311.08
  343.74 2311.07  359.65    2311  360.46 2310.97   360.5 2310.97  372.24 2310.58
  375.14 2310.54  377.68 2310.51  381.07 2310.53   393.3 2310.57  411.84  2310.8
  418.99 2310.98  419.52    2311  419.77 2311.06  421.88 2311.58  423.64    2312
  426.67 2312.86  427.14    2313  430.16    2313     434    2313  434.08    2313
  435.34    2313  435.61    2313  435.78 2312.99  455.15 2312.79  470.65 2312.72
  474.95 2312.71  476.34 2312.71  477.88 2312.69  517.28 2311.75  536.03 2311.34
  541.76 2311.09  542.55 2311.04  542.88 2311.04  544.01 2311.02  544.57 2311.03
  544.71 2311.03  544.86 2311.02  547.57    2311  550.09 2310.66  550.76 2310.65
  558.79 2310.45  564.02 2310.42  565.67  2310.5  568.11 2310.63   570.8 2310.83
  571.27 2310.84  571.79 2310.86  571.97 2310.87  572.18 2310.88  572.43  2310.9
  573.08    2311  573.19 2311.09  574.44    2312   575.6 2312.83  575.84    2313
  575.86 2313.01  577.33    2314  578.07 2314.48  578.79    2315  579.82 2315.75
   580.2    2316  580.52 2316.22  581.66    2317  582.39  2317.5  583.09    2318
  583.83  2318.5  584.52    2319  588.81 2319.01  589.87 2319.01  591.34 2319.01
  593.58 2319.01  594.84 2319.02  596.45 2319.02  602.44 2319.12  615.48  2319.3
  634.34 2319.05  634.76 2319.05  638.75    2319  643.81 2318.94  664.07 2318.75
   685.6 2318.57  695.07 2318.48  699.11 2318.44  701.96 2318.42  705.12 2318.38
  718.12 2318.28  737.59    2318  739.47 2317.98  740.01 2317.98  744.61 2317.94
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  216.81    .027  571.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        216.81  571.97           155.93  226.05  265.04            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2313.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.23    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2312.75    Reach Len. (ft)          155.93     226.05    265.04
  Crit W.S. (ft)           2313.04    Flow Area (sq ft)                   441.24      4.10
  E.G. Slope (ft/ft)      0.014300    Area (sq ft)                        441.24      4.10
  Q Total (cfs)            3961.00    Flow (cfs)                         3940.13     20.87
  Top Width (ft)            282.12    Top Width (ft)                      278.60      3.51
  Vel Total (ft/s)            8.89    Avg. Vel. (ft/s)                      8.93      5.09
  Max Chl Dpth (ft)           2.57    Hydr. Depth (ft)                      1.58      1.17
  Conv. Total (cfs)        33123.0    Conv. (cfs)                        32948.5     174.6
  Length Wtd. (ft)          226.15    Wetted Per. (ft)                    279.17      4.09
  Min Ch El (ft)           2310.18    Shear (lb/sq ft)                      1.41      0.90
  Alpha                       1.00    Stream Power (lb/ft s)    744.61      0.00      0.00
  Frctn Loss (ft)             2.93    Cum Volume (acre-ft)        0.08     27.14      0.09
  C & E Loss (ft)             0.01    Cum SA (acres)              0.13     13.43      0.08


Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 4522

INPUT
Description:
Station Elevation Data    num=     186
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2320.83   15.48 2320.86   19.18 2320.88   19.57 2320.88   20.02 2320.88
   43.23 2320.86   45.14 2320.85   45.96 2320.85   46.98 2320.84   48.68 2320.83
   50.08 2320.81   51.74 2320.79   53.87 2320.75   61.07 2320.64   75.98 2320.37
    93.4 2320.18   96.97 2320.13  107.45    2320  111.48 2319.95  114.65 2319.92
  132.58 2319.69  135.03 2319.66  137.85 2319.62  141.19 2319.57  145.14 2319.51
  154.54 2319.35  167.79 2319.15  169.72 2319.11  173.25 2319.01  174.37 2319.01
  175.99    2319  176.15    2319  176.23 2318.97  178.62    2318  179.88 2317.36
  180.69    2317  181.97 2316.34  182.69    2316  183.38  2315.7  184.86    2315
  186.08 2314.35  186.88    2314  188.12 2313.33  188.88    2313  190.18 2312.27
   190.7    2312  191.13 2311.76  193.02    2311  193.74 2310.83  194.96 2310.54
  197.22    2310  200.16 2309.28  201.17    2309  203.12 2308.67  204.16 2308.66
  205.24 2308.67  207.12 2308.71  207.81 2308.72  208.85 2308.73  210.16 2308.74
  211.67 2308.74  234.19 2308.36  242.99 2308.29  253.49 2308.26  255.14 2308.27
  262.15 2308.27  263.52 2308.27  267.72 2308.27  273.14  2308.3  280.47 2308.36
  292.92  2308.3  294.97 2308.37  296.16  2308.4  299.45 2308.38  302.42 2308.38
  309.16 2308.59  311.04 2308.61  311.49 2308.62  311.88 2308.63  313.45 2308.66
  316.66 2308.53  325.72    2308   326.2    2308  331.76 2307.32  334.25    2307
  334.74    2307  334.92    2307  335.72    2307  337.38    2307  337.54    2307
  337.56    2307  337.73    2307   340.9 2307.04  345.47 2307.04  345.84 2307.03
  346.08 2307.03  351.28 2307.01  353.54    2307  355.66    2307  355.77    2307
  355.81    2307  356.02    2307   362.7 2306.97  366.67 2306.97  377.32 2306.95
  379.38 2306.95   392.2    2307  392.39    2307  392.53    2307  398.03 2307.01
  399.12 2307.01  402.09    2307  403.23    2307  410.57 2306.96  418.66 2306.92
  419.94 2306.92  420.62 2306.92   422.8 2306.93  430.86 2306.97  436.32    2307
  442.72 2307.04  443.03 2307.04  444.04 2307.03     446 2307.02  450.38    2307
  450.56    2307  450.82    2307  454.83    2307  455.75    2307  456.15    2307
  457.74    2307  459.24 2307.08  459.49  2307.1  461.78 2307.25  462.85 2307.33
  466.36 2307.59  470.24 2307.87  470.38 2307.88   470.5 2307.89  472.11    2308
   472.5 2308.12  477.65    2309  479.23 2309.58  479.99    2310  480.91 2310.51
  482.04    2311  482.51 2311.37  482.89 2311.67  483.23    2312  484.16 2312.77
  484.42    2313  484.67 2313.22  485.72    2314  486.65 2314.68     487    2315
  488.34 2315.95  488.86    2316   489.4    2316   489.5    2316  489.95    2316
  490.48    2316  492.01    2316  492.24    2316  492.39    2316  492.94    2316
  493.95 2315.92  494.78 2315.97  494.98 2315.98   495.5 2315.98  496.04 2315.98
   497.9 2315.96  568.62 2315.37  601.79 2315.03  605.19    2315  621.89 2314.81
  623.17  2314.8  650.99 2314.51  653.09 2314.49  655.42 2314.48     680 2314.39
  697.93 2314.27  709.14 2314.15  719.49 2314.01  721.91    2314   724.7 2313.97
  725.49 2313.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  193.74    .027  482.51    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        193.74  482.51           320.48  325.63  340.99            .01      .03
```

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2310.58	Element	Left OB	Channel	Right OB	
Vel Head (ft)	1.32	Wt. n-Val.		0.027		
W.S. Elev (ft)	2309.25	Reach Len. (ft)	320.48	325.63	340.99	
Crit W.S. (ft)	2309.55	Flow Area (sq ft)		429.13		
E.G. Slope (ft/ft)	0.015800	Area (sq ft)		429.13		
Q Total (cfs)	3961.00	Flow (cfs)		3961.00		
Top Width (ft)	278.09	Top Width (ft)		278.09		
Vel Total (ft/s)	9.23	Avg. Vel. (ft/s)		9.23		
Max Chl Dpth (ft)	2.33	Hydr. Depth (ft)		1.54		
Conv. Total (cfs)	31512.5	Conv. (cfs)		31512.5		
Length Wtd. (ft)	325.63	Wetted Per. (ft)		278.41		
Min Ch El (ft)	2306.92	Shear (lb/sq ft)		1.52		
Alpha	1.00	Stream Power (lb/ft s)	725.49	0.00	0.00	
Frctn Loss (ft)	3.40	Cum Volume (acre-ft)	0.08	24.88	0.08	
C & E Loss (ft)	0.00	Cum SA (acres)	0.13	11.98	0.07	

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 4197

INPUT
Description:
Station Elevation Data num= 167

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2315.14	1.06	2315.13	7.29	2315.04	9.73	2315	53.03	2314.24
72.17	2314	78.03	2313.93	94.53	2313.7	138.17	2313.13	145.66	2313
174.03	2312.37	193.88	2312.03	195.68	2312	195.71	2312	198.91	2311.73
199.01	2311.73	208.67	2311.45	221.45	2311.04	222.34	2311.01	222.84	2311
223.88	2310.73	226.94	2310	227.7	2309.79	231.07	2309	231.84	2308.8
235.23	2308	238.29	2307.19	239.12	2307	241.82	2306.54	244.15	2306
247.68	2305.33	249.25	2305	271.23	2304.25	272.86	2304.18	273.31	2304.17
273.73	2304.16	273.81	2304.16	277.6	2304	277.96	2304	308.74	2303.1
311.45	2303.02	311.84	2303.01	311.99	2303.01	312.11	2303	312.17	2303
312.19	2303	312.21	2303	312.23	2303	317.28	2302.98	317.39	2302.98
317.71	2302.98	317.72	2302.98	318.11	2302.98	319.47	2302.97	320.18	2302.97
327.3	2302.67	330.07	2302.6	331.49	2302.58	333.96	2302.52	334.93	2302.51
342.96	2302.36	347.5	2302.29	350.58	2302.28	353.73	2302.27	355.28	2302.27
363.59	2302.23	364.62	2302.22	364.67	2302.22	374.52	2302.18	375.91	2302.17
377.38	2302.17	378.81	2302.17	381.47	2302.17	384.34	2302.18	386.38	2302.18
399.49	2302.23	425.16	2303	429.47	2303.21	429.68	2303.32	435.2	2304.19
435.27	2304.29	435.43	2304.5	435.51	2304.6	439	2305.15	440.45	2305.38
449.38	2307.77	449.6	2307.75	449.68	2307.72	450.26	2308	450.28	2308.02
452.44	2309	452.68	2309.13	454.5	2310	454.73	2310	465.26	2310.01
467.05	2310.01	479.27	2310	480.96	2309.93	481.08	2309.94	482.57	2309.95
483.65	2309.95	484.06	2309.95	490.81	2309.89	492.53	2309.85	500.28	2309.79
501.21	2309.77	504.25	2309.73	510.08	2309.64	511.65	2309.63	527.56	2309.47
531.97	2309.45	534.94	2309.42	538.3	2309.38	556.65	2309.04	559.03	2309
568.06	2308.61	578.1	2308	579.13	2307.58	580.11	2307.23	580.33	2307.15
580.84	2307	581.14	2306.9	581.21	2306.88	581.82	2306.75	584.71	2306.12
585.25	2306	587.65	2305.48	588.73	2305.25	589.22	2305.18	589.72	2305.16
589.91	2305.14	590.27	2305.21	590.5	2305.2	590.75	2305.26	591.3	2305.45
592.45	2306	594.17	2306.89	594.37	2307	594.51	2307.07	596.32	2308
598.22	2308.82	599.76	2309	602.96	2309.31	605.82	2309.64	606.87	2309.75
607.31	2309.81	609.1	2310	611.17	2310	612.63	2310	613.94	2309.91
615.58	2309.81	622.91	2309.39	623.97	2309.34	625.22	2309.34	625.78	2309.31
626.22	2309.27	634.36	2309.48	635.8	2309.43	636.83	2309.39	647.58	2309.26
659.62	2309.02	662.03	2309	664.5	2308.96	670.21	2308.88	675.07	2308.82
683.35	2308.73	686.31	2308.71						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	222.34	.027	439	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
222.34	439	277.01 228.98	257.87	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2306.63	Element	Left OB	Channel	Right OB	
Vel Head (ft)	1.32	Wt. n-Val.		0.027	0.035	
W.S. Elev (ft)	2305.31	Reach Len. (ft)	277.01	228.98	257.87	
Crit W.S. (ft)	2305.43	Flow Area (sq ft)		429.31	0.33	
E.G. Slope (ft/ft)	0.009588	Area (sq ft)		429.31	0.33	
Q Total (cfs)	3961.00	Flow (cfs)		3960.71	0.29	
Top Width (ft)	194.67	Top Width (ft)		191.22	3.45	
Vel Total (ft/s)	9.22	Avg. Vel. (ft/s)		9.23	0.87	
Max Chl Dpth (ft)	3.14	Hydr. Depth (ft)		2.25	0.10	
Conv. Total (cfs)	40451.1	Conv. (cfs)		40448.1	2.9	

Length Wtd. (ft)	228.98	Wetted Per. (ft)		191.66	3.50	
Min Ch El (ft)	2302.17	Shear (lb/sq ft)		1.34	0.06	
Alpha	1.00	Stream Power (lb/ft s)	686.31	0.00	0.00	
Frctn Loss (ft)	3.95	Cum Volume (acre-ft)	0.08	21.67	0.08	
C & E Loss (ft)	0.00	Cum SA (acres)	0.13	10.23	0.06	

Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 3968

INPUT
Description:
Station Elevation Data num= 155

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2314.44	8.26	2314	17.69	2313.53	24.83	2313.16	26.55	2313.08
26.72	2313.07	27.91	2313	29.01	2312.95	48.43	2312	66.93	2311.05
67.9	2311	68.34	2310.98	87.39	2310	99.94	2309.5	108.13	2309.18
112.46	2309	127.36	2308.15	129.83	2308.02	129.98	2308.01	130.18	2308
130.75	2307.99	131.3	2308	131.54	2308	131.79	2308	150.72	2308.83
153.17	2308.82	155.83	2308.8	156.48	2308.8	157.1	2308.8	159.16	2308.8
162.7	2308.75	166.55	2308.73	174.71	2308.6	177.73	2308.58	180.89	2308.56
184.66	2308.51	227.55	2308	232.77	2307.89	233.05	2307.88	234.01	2307.86
234.93	2307.85	237.23	2307.8	241.56	2307.71	241.95	2307.7	244.48	2307.65
248.13	2307.57	258.52	2307.34	263.71	2307	264.9	2306.29	264.93	2306.27
265.27	2306	266.38	2305.25	266.68	2305	267.86	2304.21	268.11	2304
268.63	2303.66	269.62	2303	270.35	2302.51	271.13	2302	272.13	2301.46
272.75	2301	273.16	2301	273.39	2301	274.92	2301.1	275.65	2301.14
276.25	2301.1	278.14	2301	281.34	2300.5	284.47	2300	286.14	2299.94
292.02	2299.71	309.89	2299	314.18	2298.99	315.81	2298.99	318.31	2299
319.5	2299	321.98	2299	322.97	2299	327.73	2299	327.86	2299
328.34	2299	330.7	2299	331.45	2299	332.34	2299	333.15	2299
333.98	2299	343.9	2299	345.29	2299	349.63	2299	350.96	2299
352.04	2299	352.23	2299	352.63	2299	371.09	2298.79	372.96	2298.78
374.44	2298.77	391.64	2298.73	408.14	2298.74	410.29	2298.73	418.69	2298.69
424.52	2298.99	430.81	2299	485.19	2301.69	493.96	2302.09	494.09	2302.1
494.25	2302.11	494.33	2302.12	494.49	2302.13	494.64	2302.14	495.29	2302.18
496.77	2302.23	497.89	2302.3	498.2	2302.32	498.57	2302.35	500.36	2302.42
501.71	2302.49	504.75	2303	509.93	2303.98	509.99	2304	510.03	2304.02
511.17	2304.58	511.78	2304.9	512	2305	512.1	2305.04	513.98	2306
517.01	2306.01	518.5	2306.01	522.27	2306.01	525.73	2306.01	532.89	2306
537.48	2305.96	539.83	2305.93	554.15	2305.77	573	2305.54	591.55	2305.34
592.35	2305.33	600.25	2305.25	602.63	2305.22	604.54	2305.2	607.71	2305.18
614.12	2305.13	616.16	2305.12	621.66	2305.1	631.13	2305.07	637	2305.03
640.75	2305	641.08	2305	642.95	2304.98	643.43	2304.98	643.52	2304.98
652.7	2304.88	655.18	2304.85	673.51	2304.64	676.54	2304.61	677.15	2304.61

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	264.9	.027	494.64	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
264.9	494.64	220.71	230.4	246.6	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2303.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	2.36	Wt. n-Val.		0.027	
W.S. Elev (ft)	2300.91	Reach Len. (ft)	220.71	230.40	246.60
Crit W.S. (ft)	2301.63	Flow Area (sq ft)		321.34	
E.G. Slope (ft/ft)	0.025041	Area (sq ft)		321.34	
Q Total (cfs)	3961.00	Flow (cfs)		3961.00	
Top Width (ft)	190.68	Top Width (ft)		190.68	
Vel Total (ft/s)	12.33	Avg. Vel. (ft/s)		12.33	
Max Chl Dpth (ft)	2.22	Hydr. Depth (ft)		1.69	
Conv. Total (cfs)	25030.9	Conv. (cfs)		25030.9	
Length Wtd. (ft)	230.40	Wetted Per. (ft)		190.83	
Min Ch El (ft)	2298.69	Shear (lb/sq ft)		2.63	
Alpha	1.00	Stream Power (lb/ft s)	677.15	0.00	0.00
Frctn Loss (ft)	3.35	Cum Volume (acre-ft)	0.08	19.70	0.08
C & E Loss (ft)	0.01	Cum SA (acres)	0.13	9.22	0.05

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 3737

INPUT
Description:
Station Elevation Data num= 204

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2323.44	1.77	2323.18	2.96	2323	4.76	2322.74	9.57	2322
15.53	2321.1	16.22	2321	16.45	2320.97	23.32	2320	31.01	2319.05
31.45	2319	34.9	2318.58	39.35	2318	42.78	2317.56	47.1	2317
49.55	2316.7	54.89	2316	59.56	2315.43	62.48	2315	63.51	2314.89
70.69	2314	77.67	2313.18	79.18	2313	87.78	2312.11	88.73	2312
90.42	2311.81	93.66	2311.52	98.62	2311	105.66	2310.42	109.77	2310.08
110.49	2310.02	110.71	2310	110.82	2309.99	110.97	2309.98	112.24	2309.88
123.17	2309	127.21	2308.68	135.3	2308.01	135.5	2308	135.69	2307.99
147.86	2307	152.5	2306.7	162.05	2306	176.08	2305.29	183.64	2305
186.17	2304.98	188.54	2304.98	188.88	2304.97	189.22	2304.97	206.63	2304.65
219.5	2304.52	219.64	2304.54	220.19	2304.49	220.32	2304.5	220.5	2304.51
220.77	2304.52	221.59	2304.5	221.95	2304.51	222.89	2304.5	223.3	2304.5
224.28	2304.47	224.68	2304.47	225.03	2304.46	228.21	2304.31	229.11	2304.23
230.29	2304.11	231.15	2304	231.35	2303.93	233.5	2303	234.49	2302.93
234.73	2302.91	235.3	2302.95	235.74	2302.97	236.08	2303	236.99	2303.37
238.81	2304	239.64	2304.44	240.94	2304.4	242.55	2304.31	243.33	2304.08
243.34	2304.08	243.36	2304.08	243.79	2304	244.82	2303.99	245.99	2303.98
246.3	2303.98	246.53	2303.98	247.78	2303.84	250.87	2303.54	252.17	2303.47
252.48	2303.46	252.88	2303.46	253.86	2303.4	254.41	2303.4	254.97	2303.4
255.75	2303.34	256.28	2303.36	256.84	2303.31	257.25	2303.32	259.47	2303.23
260.77	2303.19	268.97	2303.15	272.74	2303.13	283.14	2303.01	284.34	2303.01
285.3	2303.01	285.49	2303.01	285.71	2303.01	287.15	2303	288.63	2302.26
289.12	2302	289.14	2301.98	290.96	2301	291.06	2300.92	292.73	2300
292.94	2299.86	294.48	2299	294.75	2298.81	296.18	2298	296.52	2297.76
297.85	2297	298.3	2296.72	299.51	2296	313.21	2295.9	321.1	2295.68
331.89	2295.56	334.13	2295.57	336.23	2295.59	338.63	2295.61	340.92	2295.63
366.1	2295.75	368.52	2295.76	370.48	2295.78	376.63	2295.76	385	2295.71
385.64	2295.69	386.46	2295.69	388.76	2295.65	389.97	2295.62	391.4	2295.59
392.95	2295.57	394.31	2295.54	397.27	2295.49	399.26	2295.45	403.04	2295.38
408.82	2295.3	409.82	2295.28	410.86	2295.26	411.64	2295.25	412.1	2295.24
416.25	2295.16	420.42	2295.15	424.49	2295.16	432.95	2295.17	441.23	2295.18
444.7	2295.27	444.73	2295.27	453.84	2295.64	461.07	2295.49	461.13	2295.52
461.2	2295.54	461.55	2295.65	462.18	2295.66	462.54	2295.73	462.71	2295.8
462.88	2296	463.61	2296.95	463.64	2297	463.78	2297.25	464.26	2297.8
464.47	2298	464.53	2298.06	465.49	2299	465.84	2299.3	466.63	2300
467.38	2300.65	467.72	2301	468.6	2301.81	468.8	2302	468.96	2302.01
469.28	2302.01	469.52	2302.01	469.63	2302.01	469.72	2302.02	469.83	2302.02
469.92	2302.02	472.95	2302.02	485.95	2302.49	492.02	2302.62	515.29	2302.42
530.18	2302.37	549.97	2302.09	550.01	2302.09	551.82	2302.07	558.42	2302
571.97	2301.89	575.85	2301.86	580.13	2301.82	616.47	2301.6	626.67	2301.48
628.05	2301.47	633.39	2301.43	651.14	2301.33	657.21	2301.27		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	268.97	.027	469.72	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
268.97	469.72	257.8	251.56	255.24	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2299.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.61	Wt. n-Val.		0.027	
W.S. Elev (ft)	2297.91	Reach Len. (ft)	257.80	251.56	255.24
Crit W.S. (ft)	2298.17	Flow Area (sq ft)		389.22	
E.G. Slope (ft/ft)	0.011305	Area (sq ft)		389.22	
Q Total (cfs)	3961.00	Flow (cfs)		3961.00	
Top Width (ft)	168.07	Top Width (ft)		168.07	
Vel Total (ft/s)	10.18	Avg. Vel. (ft/s)		10.18	
Max Chl Dpth (ft)	2.76	Hydr. Depth (ft)		2.32	
Conv. Total (cfs)	37253.9	Conv. (cfs)		37253.9	
Length Wtd. (ft)	251.58	Wetted Per. (ft)		169.70	
Min Ch El (ft)	2295.15	Shear (lb/sq ft)		1.62	
Alpha	1.00	Stream Power (lb/ft s)	657.21	0.00	0.00
Frctn Loss (ft)	3.73	Cum Volume (acre-ft)	0.08	17.82	0.08
C & E Loss (ft)	0.02	Cum SA (acres)	0.13	8.27	0.05

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

```
RIVER: PershingCreek
REACH: PershingCreek      RS: 3486

INPUT
Description:
Station Elevation Data    num=     221
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2311.43    1.12 2311.53     6.2    2312    9.38 2312.34   10.79 2312.48
   13.74 2312.75   15.46 2312.91   16.02 2312.96   16.05 2312.96   16.56    2313
   20.22 2313.27   30.13    2314   32.48  2314.1   34.57 2314.16   36.43  2314.2
   41.55 2314.23   42.46 2314.22    45.8 2314.22   49.06 2314.15   53.09 2314.04
   53.77    2314   55.53 2313.86   66.71    2313   73.37 2312.44   75.63 2312.24
   77.02 2312.12   77.33  2312.1   77.52 2312.08   78.11    2312   84.75 2311.21
   86.84    2311   87.96 2310.86   95.73    2310  102.06 2309.22  103.88    2309
  110.26 2308.26  112.49    2308  121.25 2307.04  121.59    2307   121.7 2306.99
  130.13    2306  130.91 2305.91  138.07    2305  147.04 2304.11  147.94    2304
  149.28 2303.84   157.2    2303  164.95  2302.2  167.13    2302  173.88 2301.46
  180.85    2301  190.37 2300.34  191.16 2300.27  192.59 2300.17  195.35    2300
  197.82 2299.88  198.16 2299.88  206.14 2299.63   210.7  2299.5  211.89  2299.5
  231.67 2299.02  232.48 2299.02  232.59 2299.02   232.6 2299.02  233.81 2299.02
  236.61 2299.02  236.79 2299.02  237.98 2299.02  238.49 2299.01  239.83 2299.01
  244.36 2299.01     245 2299.01  246.14 2299.01  248.88 2299.01  249.59 2299.01
  250.47 2299.01  260.48    2299  261.14 2298.99  261.41 2298.99  261.44 2298.99
  261.49 2298.98  261.66 2298.98  267.38 2298.86  269.46 2298.77  279.21 2298.35
   285.1 2298.08  285.93 2298.04  286.21 2298.03  286.85    2298  286.92    2298
   287.2 2297.95  289.29 2297.03  289.32 2297.01  289.35    2297  289.53 2296.97
  289.57 2296.96  291.51 2296.15  291.74 2296.08  291.89    2296  291.95    2296
  292.01 2295.99  292.19 2295.98  292.92 2295.71  293.44 2295.59  293.77 2295.54
  293.95 2295.53  294.05 2295.47  294.35 2295.52  294.48 2295.48  294.76 2295.48
  295.32 2295.38   295.5 2295.35  295.62 2295.33  296.09 2295.18   296.5    2295
  296.93 2294.93  297.07 2294.88  298.36 2294.57   298.6 2294.52  299.73 2294.21
  299.93 2294.17  300.21 2294.11  300.55    2294  302.98 2293.32  303.86    2293
  304.81 2292.67  305.09 2292.56   305.3 2292.45  305.93    2292  306.37    2292
  307.73    2292  308.75    2292  309.26    2292  310.42    2292  312.26    2292
  314.09    2292  314.41    2292   314.6    2292  317.19    2292  318.06    2292
  318.22    2292  318.94    2292  319.11    2292   319.2    2292   348.3 2291.62
  350.89 2291.59  366.04 2291.47  373.73 2291.42  376.36  2291.4  395.49 2291.63
  396.71 2291.66   399.1 2291.69  402.57 2291.76  405.63 2291.79  405.74 2291.79
     410 2291.81  413.98 2291.85  418.47 2291.85     422 2291.84  424.37 2291.81
  427.69 2291.77  428.12 2291.76  430.62 2291.71  431.01 2291.71  432.47 2291.66
  443.54 2291.49  450.66 2291.42   451.8 2291.43  457.52 2291.45  463.08 2291.45
  465.35 2291.45  467.68 2291.44  472.71 2291.44  475.51 2291.43  477.69 2291.42
  479.92 2291.42  484.31 2291.39  486.82 2291.38  498.05  2291.4  508.74 2291.27
  525.94 2291.03  527.48    2291  528.67    2291  532.28 2290.99  533.63 2290.99
  535.09 2290.99  537.84    2291  538.26    2291  538.74    2291  539.29    2291
  539.63 2291.29   540.1    2292  540.59 2292.84  540.67    2293  541.08 2293.49
  541.33    2294  541.56 2294.48  541.78    2295  542.36 2295.74  542.49    2296
  542.99 2296.79  543.14    2297  543.63 2297.19   548.3 2297.12  569.08 2297.44
  579.88 2297.54  592.42 2297.47  594.06 2297.45  616.36 2297.24     624 2297.18
  628.22 2297.15  632.49 2297.12  635.36  2297.1  654.37 2297.01  654.42 2297.01
  656.37    2297  659.71 2296.98  660.51 2296.97     680 2296.82  680.58 2296.82
  683.42  2296.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   295.5    .027  537.84    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         295.5  537.84           269.22  268.71   263.4            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2295.16    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.20    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2292.96    Reach Len. (ft)          269.22     268.71    263.40
  Crit W.S. (ft)           2293.60    Flow Area (sq ft)                   329.22      4.34
  E.G. Slope (ft/ft)      0.029810    Area (sq ft)                        329.22      4.34
  Q Total (cfs)            3961.00    Flow (cfs)                         3926.59     34.41
  Top Width (ft)            236.66    Top Width (ft)                      233.86      2.81
  Vel Total (ft/s)           11.87    Avg. Vel. (ft/s)                    11.93      7.93
  Max Chl Dpth (ft)           1.97    Hydr. Depth (ft)                     1.41      1.54
  Conv. Total (cfs)        22941.7    Conv. (cfs)                        22742.4     199.3
  Length Wtd. (ft)          268.69    Wetted Per. (ft)                    234.11      3.85
  Min Ch El (ft)           2290.99    Shear (lb/sq ft)                      2.62      2.10
  Alpha                       1.00    Stream Power (lb/ft s)    683.42      0.00      0.00
  Frctn Loss (ft)             4.36    Cum Volume (acre-ft)        0.08     15.74      0.07
  C & E Loss (ft)             0.01    Cum SA (acres)              0.13      7.11      0.04


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
```

```
CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3217

INPUT
Description:
Station Elevation Data    num=     173
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2297.98     .26    2298    5.38 2298.53    9.82    2299   18.18 2299.85
   19.67    2300   22.78  2300.3   27.76    2301   28.78 2301.15    34.9    2302
   35.98 2302.55   38.14    2303   38.66 2303.44   39.91    2304   40.89  2304.4
   42.29    2305   45.85 2305.96   46.03    2306   46.31    2306   46.64    2306
   47.16 2305.95   48.76 2305.96   57.61 2305.81    58.8 2305.79   66.19 2305.93
   69.21    2306   72.32 2306.24   73.16 2306.28   74.36 2306.33   75.76 2306.36
   78.04 2306.41   81.05 2306.48   87.59 2306.69   90.46 2306.77   90.56 2306.77
   92.88  2306.7  102.15 2306.09  102.23 2306.09  103.32    2306  104.27 2305.81
  109.04    2305  113.55  2304.5  117.61    2304  121.98 2303.73  124.66 2303.58
  135.89    2303  138.07 2302.68   141.8    2302  144.78 2301.64  149.36    2301
  155.07 2300.25  157.22    2300  161.45 2299.43  165.43    2299  168.74 2298.66
  176.56    2298  181.31 2297.63  188.38    2297  196.95 2296.27  200.71    2296
  208.43 2295.62  219.44 2295.12  221.73    2295  223.13 2294.93  245.96    2294
  255.86 2293.61  256.66 2293.59  257.44 2293.57  260.42 2293.41  267.11 2293.03
  267.51    2293  267.55 2292.98   269.3    2292   269.7 2291.76  270.95    2291
  271.97 2290.37  272.81    2290  273.53 2289.56  274.53    2289  278.27 2288.91
   288.8 2288.64  320.04 2288.07  322.28 2288.03  322.91 2288.02  323.83    2288
   329.5 2287.93  335.06 2287.87  340.38 2287.82  351.16 2287.76  360.69 2287.73
  370.48 2287.74  374.18 2287.73  376.62 2287.72   382.2 2287.71  384.89  2287.7
  385.64  2287.7  388.36 2287.68  390.79 2287.65  392.33 2287.64  394.37 2287.62
  403.97 2287.43  424.24    2287  424.43    2287  425.71    2287  428.11    2287
  432.98 2287.01  436.97    2287  437.59    2287  439.21    2287  439.98    2287
   442.4    2287  443.27    2287  447.43    2287  447.95    2287  452.06    2287
  454.05 2287.03  458.98 2287.11  461.36 2287.15  487.57    2288  492.17 2288.31
  493.21 2288.37  493.66  2288.4  494.18 2288.43  494.76 2288.48  498.07 2288.75
  499.65 2288.87  501.46    2289   501.9 2289.08  509.51    2290  510.22  2290.3
  510.78 2290.59  511.54    2291  512.65 2291.84  513.02    2292  514.11 2292.79
  514.44    2293  514.78 2293.04  515.42 2293.09  516.56 2293.07  525.25 2293.28
  525.84  2293.3  526.52  2293.3  527.19  2293.3  527.54  2293.3  528.14 2293.32
  528.57 2293.32  530.66 2293.38  531.22 2293.38  533.57 2293.44  535.49  2293.5
  536.17 2293.49  555.23  2293.4  556.49 2293.39  558.28 2293.37  559.74 2293.36
   561.6 2293.33  566.38  2293.3  580.08 2293.17  585.33 2293.11  589.13 2293.06
  594.65    2293  610.03 2292.84  613.46 2292.81   645.2 2292.53  647.24 2292.52
  649.51 2292.51  654.32  2292.5   660.1 2292.46  662.94 2292.46  665.53 2292.45
     669 2292.46   679.1 2292.43  693.56 2292.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  278.27    .027  510.78    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        278.27  510.78           233.02  181.23  177.51            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2291.00    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.75    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2290.25    Reach Len. (ft)          233.02     181.23     177.51
  Crit W.S. (ft)           2289.88    Flow Area (sq ft)          6.23     566.50
  E.G. Slope (ft/ft)      0.004864    Area (sq ft)               6.23     566.50
  Q Total (cfs)            3961.00    Flow (cfs)                18.21    3942.79
  Top Width (ft)            237.87    Top Width (ft)             6.03     231.84
  Vel Total (ft/s)             6.92    Avg. Vel. (ft/s)          2.92       6.96
  Max Chl Dpth (ft)            3.25    Hydr. Depth (ft)          1.03       2.44
  Conv. Total (cfs)        56792.3    Conv. (cfs)               261.1    56531.1
  Length Wtd. (ft)          181.47    Wetted Per. (ft)           6.35     232.02
  Min Ch El (ft)           2287.00    Shear (lb/sq ft)           0.30       0.74
  Alpha                       1.01    Stream Power (lb/ft s)   693.56       0.00       0.00
  Frctn Loss (ft)             1.08    Cum Volume (acre-ft)       0.06      12.98       0.05
  C & E Loss (ft)             0.01    Cum SA (acres)             0.11       5.68       0.03


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Note:    Hydraulic jump has occurred between this cross section and the previous upstream section.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 3036

INPUT
Description:
Station Elevation Data    num=      90
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2291.8	136	2291	153.88	2289.53	158.44	2289.54	162.78	2289.53
164.98	2289.52	167.59	2289.5	175.1	2289.42	175.45	2289.42	175.79	2289.42
180.04	2289.38	184.86	2289.31	188.53	2289.3	191.05	2289.27	193.42	2289.26
195.77	2289.26	201.46	2289.25	203.98	2289.24	205.99	2289.25	211.32	2289.2
213.93	2289.23	217.02	2289.22	220.21	2289.21	220.37	2289.22	220.42	2289.22
223.03	2289.22	229.5	2289.15	237.48	2289	237.62	2289	237.8	2288.96
238.03	2288.89	239.76	2288.41	240.95	2288	242.19	2287.62	243.9	2287
244.95	2286.66	245.48	2286.64	278.65	2285.37	296.83	2285	297.57	2285
298.34	2285	301.97	2284.98	303.08	2284.99	303.99	2284.99	306.56	2285
307.74	2285	308.57	2285.01	308.95	2285	309.87	2285	310.54	2285
310.9	2284.99	311.43	2284.99	311.66	2284.99	317.05	2284.98	318.56	2284.97
339.31	2284.92	349.99	2284.93	352.6	2284.92	355.33	2284.93	366.49	2285
369	2285.89	369.55	2285.97	369.83	2286	373.39	2286.8	374.07	2286.95
374.31	2287	374.35	2287.02	376.68	2288	376.72	2288.02	377.21	2288.21
379.21	2289	380.26	2289.46	381.57	2290	383.81	2290	409.91	2290.01
412.48	2290.01	420.53	2290	436.47	2290	436.76	2290	436.98	2290
445.96	2290.1	446.01	2290.1	466.74	2290	471.49	2289.98	471.64	2289.98
471.83	2289.98	478.03	2289.94	479.77	2289.94	488	2292.7	574.43	2292.6

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	245.48	.027	377.21	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
245.48	377.21	251.94	251.59	260.05	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2289.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.51	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2288.41	Reach Len. (ft)	251.94	251.59	260.05
Crit W.S. (ft)	2288.41	Flow Area (sq ft)	5.47	399.37	0.05
E.G. Slope (ft/ft)	0.007372	Area (sq ft)	5.47	399.37	0.05
Q Total (cfs)	3961.00	Flow (cfs)	18.70	3942.26	0.04
Top Width (ft)	137.96	Top Width (ft)	5.72	131.73	0.51
Vel Total (ft/s)	9.78	Avg. Vel. (ft/s)	3.42	9.87	0.75
Max Chl Dpth (ft)	3.49	Hydr. Depth (ft)	0.96	3.03	0.10
Conv. Total (cfs)	46132.0	Conv. (cfs)	217.8	45913.7	0.4
Length Wtd. (ft)	251.59	Wetted Per. (ft)	6.01	132.27	0.55
Min Ch El (ft)	2284.92	Shear (lb/sq ft)	0.42	1.39	0.04
Alpha	1.01	Stream Power (lb/ft s)	574.43	0.00	0.00
Frctn Loss (ft)	1.88	Cum Volume (acre-ft)	0.03	10.97	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.08	4.92	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 2784

INPUT
Description:
Station Elevation Data num= 107

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2286.8	144	2286.2	171.7	2284.62	176.33	2284.69	181.74	2284.77
187.6	2284.82	188.56	2284.84	189.46	2284.85	190.46	2284.85	196.15	2284.89
202.51	2284.91	204.81	2284.93	218.81	2284.95	219.62	2284.95	226.63	2284.95
235.85	2284.67	241.63	2284.61	242.83	2284.54	245.49	2284.49	246.98	2284.47
249.59	2284.4	253.12	2284	255.39	2283.38	256.91	2283	260.45	2282.12
260.91	2282	261.62	2281.9	267.27	2281	267.32	2281	269.5	2280.99
270.39	2280.99	271.74	2281	273.05	2281.13	273.73	2281.13	274.88	2281.04
274.91	2281	276.21	2281	276.68	2281	284.72	2280.99	291.3	2281
294.18	2281	297.37	2281	300.84	2281.01	302.49	2281	306.24	2281
311.43	2280.97	312.36	2280.96	316.26	2280.95	323.02	2280.98	325.04	2280.98
327.72	2281	349.99	2281.54	352.78	2281.61	356.1	2281.69	358.43	2281.73
360.17	2281.76	362.21	2281.79	368.3	2281.98	368.32	2281.98	368.89	2281.98
369.92	2282	369.99	2282	370.53	2282	374.51	2282.04	374.52	2282.04
376.86	2282.04	378.35	2282.04	380.2	2282.02	384.97	2282.13	387.12	2282.11
387.25	2282.12	389.25	2282.14	389.54	2282.18	390.82	2282.2	391.7	2282.23
392.56	2282.28	393.58	2282.36	394.54	2282.45	395.25	2282.55	395.64	2282.64
396.48	2283	397.2	2283.48	397.41	2283.61	398.23	2284	399.24	2284.42
400.37	2285	401.18	2285.42	402.58	2286	408.57	2286	411.02	2286
414.26	2286	418	2286	421.61	2286	423.43	2286	424.27	2286
424.86	2286	426.92	2286	440.32	2285.99	441.24	2285.98	458.65	2285.96
466.07	2286	480.28	2286.1	480.93	2286.1	486.38	2286.15	491.27	2286.17

```
     505  2288.9  534.28  2288.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  245.49    .027   397.2    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        245.49   397.2           220.92  246.89  270.53            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2286.63    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               3.24    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2283.40    Reach Len. (ft)          220.92     246.89     270.53
  Crit W.S. (ft)           2284.38    Flow Area (sq ft)                   274.39
  E.G. Slope (ft/ft)      0.028660    Area (sq ft)                        274.39
  Q Total (cfs)            3961.00    Flow (cfs)                         3961.00
  Top Width (ft)            141.75    Top Width (ft)                      141.75
  Vel Total (ft/s)           14.44    Avg. Vel. (ft/s)                     14.44
  Max Chl Dpth (ft)           2.45    Hydr. Depth (ft)                      1.94
  Conv. Total (cfs)        23397.5    Conv. (cfs)                        23397.5
  Length Wtd. (ft)          246.89    Wetted Per. (ft)                    142.27
  Min Ch El (ft)           2280.95    Shear (lb/sq ft)                      3.45
  Alpha                       1.00    Stream Power (lb/ft s)    534.28       0.00       0.00
  Frctn Loss (ft)             3.27    Cum Volume (acre-ft)        0.01       9.03       0.05
  C & E Loss (ft)             0.02    Cum SA (acres)              0.06       4.13       0.03


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 2537

INPUT
Description:
Station Elevation Data    num=      53
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2285     112    2284  114.36 2281.84  122.84 2281.81  129.95 2281.78
  137.66 2281.74  145.34 2281.69  160.61 2281.58  164.09 2281.56  172.64 2281.51
  175.92  2281.5  183.92 2281.46  187.13 2281.46  191.67 2281.45  195.17 2281.46
  196.58 2281.45  204.34 2281.47  210.28 2281.46  216.72 2281.43  229.69 2281.06
  231.95    2281  232.93 2280.64  234.38    2280  235.96 2279.49  236.93    2279
  263.03 2278.54  292.95 2278.09  303.77    2278  306.68  2277.4  306.71  2277.4
  309.73 2277.42  312.64 2277.45  321.63 2277.61  330.61    2278  338.56  2278.4
  338.81 2278.41  339.03 2278.41  339.24 2278.42  342.12 2278.55   342.3 2278.55
  345.11 2278.66  345.21 2278.66  345.31 2278.67  351.22 2278.74  358.64 2278.84
   363.7    2279  365.38 2279.94  365.58    2280  366.18 2280.23  367.99    2281
   369.5  2281.5   464.7  2281.5  479.97    2285

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  229.69    .027  367.99    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        229.69  367.99           268.32  279.46  294.49            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2282.90    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.66    Wt. n-Val.                0.035      0.027      0.035
  W.S. Elev (ft)           2281.25    Reach Len. (ft)          268.32     279.46     294.49
  Crit W.S. (ft)           2281.69    Flow Area (sq ft)           0.60     383.33       0.09
  E.G. Slope (ft/ft)      0.009135    Area (sq ft)                0.60     383.33       0.09
  Q Total (cfs)            3961.00    Flow (cfs)                  0.49    3960.42       0.09
  Top Width (ft)            145.51    Top Width (ft)              6.47     138.30       0.74
  Vel Total (ft/s)           10.31    Avg. Vel. (ft/s)            0.83      10.33       0.97
  Max Chl Dpth (ft)           3.84    Hydr. Depth (ft)            0.09       2.77       0.12
  Conv. Total (cfs)        41443.0    Conv. (cfs)                  5.2    41436.9        0.9
  Length Wtd. (ft)          279.65    Wetted Per. (ft)            6.47     139.25       0.78
  Min Ch El (ft)           2277.40    Shear (lb/sq ft)            0.05       1.57       0.07
  Alpha                       1.00    Stream Power (lb/ft s)    479.97       0.00       0.00
  Frctn Loss (ft)             3.69    Cum Volume (acre-ft)        0.01       7.16       0.05
  C & E Loss (ft)             0.05    Cum SA (acres)              0.04       3.34       0.02


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
```

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 2258

INPUT
Description:
Station Elevation Data num= 94

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2282.2	136	2280	139.52	2276.98	145.75	2276.98	161.19	2277
164.81	2277	165.04	2277	165.72	2277	167.49	2277	171.31	2277.02
183.36	2277.05	184.23	2277.06	185.01	2277.07	186.06	2277.09	193.25	2277.14
194.72	2277.17	195.27	2277.18	201.92	2277.25	202.81	2277.26	213.76	2277.16
219	2277.05	222.22	2277.04	224.93	2277.03	225.8	2277.02	226.72	2277.02
230.31	2277	230.84	2277	232.64	2276.47	233.99	2276	234.67	2275.76
236.6	2275	237.37	2274.72	239.3	2274	246.95	2273.76	248.64	2273.75
259.41	2273.58	266.47	2273.49	281.6	2273.44	292.77	2273.45	300.24	2273.41
301.04	2273.4	310.71	2273.35	312.31	2273.35	314.82	2273.33	317.39	2273.32
330.07	2273.36	332.09	2273.36	338.42	2273.31	346.06	2273.23	346.88	2273.21
347.34	2273.21	348.04	2273.21	348.76	2273.22	358.82	2273.05	358.9	2273.05
360.77	2273	362.66	2272.97	362.9	2272.96	363.09	2272.96	364.05	2272.94
366.56	2272.89	400.08	2272.26	408.12	2272.03	409.1	2272	409.47	2271.99
409.52	2271.99	409.57	2271.99	410.48	2272	411	2272	411.27	2272.82
411.28	2273	411.36	2273.17	411.41	2274	411.47	2274.18	411.54	2275
412.22	2275.91	412.76	2275.93	413.98	2275.94	416.15	2275.94	418.92	2275.93
421.69	2275.91	424.51	2275.93	426.67	2275.93	431.42	2275.89	432.42	2275.88
437.41	2275.83	439.23	2275.8	444	2275.75	446.73	2275.72	457.32	2275.58
460	2275.55	468.41	2275.46	476.29	2275.41	481.1	2279		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	230.31	.027	408.12	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
230.31	408.12	185.55	193.08	230.62	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2278.12	Element			
Vel Head (ft)	3.41	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2274.71	Reach Len. (ft)	185.55	193.08	230.62
Crit W.S. (ft)	2275.74	Flow Area (sq ft)		259.04	8.67
E.G. Slope (ft/ft)	0.042113	Area (sq ft)		259.04	8.67
Q Total (cfs)	3961.00	Flow (cfs)		3860.71	100.29
Top Width (ft)	174.12	Top Width (ft)		170.72	3.40
Vel Total (ft/s)	14.80	Avg. Vel. (ft/s)		14.90	11.57
Max Chl Dpth (ft)	2.72	Hydr. Depth (ft)		1.52	2.55
Conv. Total (cfs)	19301.8	Conv. (cfs)		18813.1	488.7
Length Wtd. (ft)	193.55	Wetted Per. (ft)		170.87	5.66
Min Ch El (ft)	2272.03	Shear (lb/sq ft)		3.99	4.02
Alpha	1.00	Stream Power (lb/ft s)	481.10	0.00	0.00
Frctn Loss (ft)	4.76	Cum Volume (acre-ft)	0.01	5.10	0.02
C & E Loss (ft)	0.02	Cum SA (acres)	0.02	2.35	0.01

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 2065

INPUT
Description:
Station Elevation Data num= 62

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2280	76	2278.7	78.22	2277.45	84.48	2277	93.27	2276.39
98.83	2276	112.54	2275.03	112.92	2275	123.02	2274.84	154.81	2274.35
163.3	2274.22	165.81	2274.19	167.71	2274.17	176.82	2274	179.27	2273.13
179.61	2273	181.38	2272.32	182.14	2272.06	182.24	2272.03	182.3	2272.01
182.33	2272	182.4	2271.99	187.77	2271.32	190.39	2271	200.37	2270.71
202.58	2270.64	210.99	2270.48	216.12	2270.39	238.64	2270	258.77	2269.6
270.11	2269.36	274.15	2269.44	280.64	2269.58	281.6	2269.63	283.7	2269.54
287.32	2269.36	287.42	2269.35	290.24	2270	296.68	2270.1	301.29	2270.14
310.41	2270.03	311.08	2270.03	313.49	2270	322.88	2269.79	341.74	2269.34
348.79	2269.17	350.37	2269.14	351.48	2269.12	355.16	2269.06	355.65	2269.05

```
  356.03 2269.04  357.72 2269.08  358.37 2269.15  360.97    2270  363.13  2270.9
  363.46    2271  363.84 2271.13  366.84    2272  368.25  2272.1  455.67  2272.1
     494    2275     500  2274.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  187.77    .027  368.25    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        187.77  368.25           174.64  128.62   81.74            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2273.76    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.72    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2272.03    Reach Len. (ft)          174.64     128.62      81.74
  Crit W.S. (ft)           2272.53    Flow Area (sq ft)          2.03     375.28
  E.G. Slope (ft/ft)      0.013788    Area (sq ft)               2.03     375.28
  Q Total (cfs)            3961.00    Flow (cfs)                 5.14    3955.86
  Top Width (ft)            185.05    Top Width (ft)             5.54     179.52
  Vel Total (ft/s)           10.50    Avg. Vel. (ft/s)           2.54      10.54
  Max Chl Dpth (ft)           2.99    Hydr. Depth (ft)           0.37       2.09
  Conv. Total (cfs)        33733.0    Conv. (cfs)               43.8     33689.2
  Length Wtd. (ft)          128.65    Wetted Per. (ft)           5.58     180.13
  Min Ch El (ft)           2269.04    Shear (lb/sq ft)           0.31       1.79
  Alpha                       1.01    Stream Power (lb/ft s)   500.00       0.00       0.00
  Frctn Loss (ft)             4.32    Cum Volume (acre-ft)       0.00       3.70       0.00
  C & E Loss (ft)             0.05    Cum SA (acres)             0.01       1.57       0.00


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: PershingCreek
REACH: PershingCreek      RS: 1936

INPUT
Description:
Station Elevation Data    num=     127
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2276      90    2275    92.2    2275   96.63 2274.65   97.55 2274.58
  106.89    2274  120.72 2273.43  130.05    2273  136.73 2272.76  138.41 2272.72
   140.7 2272.69  142.86 2272.63  144.75 2272.58   148.2 2272.57  152.39 2272.49
  154.58 2272.45  156.95 2272.41  174.76 2272.12  181.13 2272.01  181.42 2272.01
  181.95 2272.01  192.32    2272  194.21    2272   195.1    2272  200.32    2272
  201.66    2272  202.58    2272  203.15 2271.42  203.55    2271  204.36 2270.17
  204.54    2270  204.87 2269.65  205.56 2269.02  205.57    2269   206.6 2268.03
  206.63    2268  206.74 2267.93  206.75 2267.93  206.77 2267.92  206.81 2267.92
  217.58 2267.76  225.45 2267.68  226.16 2267.71  226.48 2267.72   230.7 2267.91
  232.72    2268  234.99 2268.01  235.73 2268.02   238.7 2268.03  240.81 2268.03
  241.76 2268.02   243.4 2268.02  246.31 2268.06  246.46 2268.06  247.95    2268
  248.41    2268  248.46    2268   250.7    2268  251.18    2268  252.31    2268
  252.68    2268  255.04 2268.01  256.32 2268.01  259.24 2268.01  261.57 2268.01
  266.75    2268  270.27 2267.89   271.2 2267.87   274.5 2267.96  275.24 2267.85
  275.32 2267.85  275.39 2267.84  275.44 2267.85  275.47 2267.86  275.84    2268
  276.47    2268  276.95    2268  298.27 2268.01  298.87 2268.01  309.88 2268.01
   313.6    2268  319.64    2268  322.92    2268  322.98    2268  323.01    2268
  323.19    2268  334.56    2268  337.51    2268  342.14    2268  346.66    2268
  352.69    2268  353.78 2268.35  355.82    2269  358.13 2269.91  358.44    2270
  361.24 2270.95  361.45    2271   362.9 2271.01  363.12 2271.01  363.32 2271.01
  363.55 2271.01  363.96 2271.01   365.5 2271.02  367.03 2271.02   373.8 2271.05
  387.86 2271.17  408.81 2271.17  412.04 2271.12  413.06 2271.11  425.47    2271
   425.5    2271  425.63    2271  425.71    2271  426.11    2271   428.1    2271
  433.13 2270.96  445.53 2270.93   449.7 2270.88  454.06 2270.86  466.92 2270.76
  467.15 2270.76   467.3 2270.76  467.42 2270.76  471.01 2270.73  471.13 2270.73
     473    2275  504.66  2274.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   195.1    .027   365.5    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         195.1   365.5           297.04  303.42  249.93            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2272.17    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.69    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2270.48    Reach Len. (ft)          297.04     303.42     249.93
  Crit W.S. (ft)           2270.76    Flow Area (sq ft)                   380.16
```

E.G. Slope (ft/ft)	0.011053	Area (sq ft)		380.16		
Q Total (cfs)	3961.00	Flow (cfs)		3961.00		
Top Width (ft)	155.81	Top Width (ft)		155.81		
Vel Total (ft/s)	10.42	Avg. Vel. (ft/s)		10.42		
Max Chl Dpth (ft)	2.80	Hydr. Depth (ft)		2.44		
Conv. Total (cfs)	37676.8	Conv. (cfs)		37676.8		
Length Wtd. (ft)	303.42	Wetted Per. (ft)		157.31		
Min Ch El (ft)	2267.68	Shear (lb/sq ft)		1.67		
Alpha	1.00	Stream Power (lb/ft s)	504.66	0.00	0.00	
Frctn Loss (ft)	1.58	Cum Volume (acre-ft)		2.58	0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		1.08	0.00	

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: PershingCreek
REACH: PershingCreek RS: 1633

INPUT
Description:
Station Elevation Data num= 100

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2269.7	80	2269.4	119.4	2268.89	119.45	2268.89	119.49	2268.89
120.19	2268.85	122.18	2268.7	127.7	2268	134.9	2267.46	137.15	2267.28
141.05	2267	141.08	2267	141.09	2267	149.66	2266.87	211.87	2267
215.5	2266.03	215.62	2266	216.67	2265.72	218.98	2265	219.48	2264.83
219.6	2264.81	219.71	2264.81	219.81	2264.82	223.82	2264.24	223.96	2264.25
224.04	2264.25	227.21	2264	229.23	2263.04	229.35	2263	229.59	2262.99
230.53	2262.99	233	2262.97	234.67	2262.98	236.25	2262.98	236.87	2262.98
237.66	2262.98	238.35	2263	241.26	2263.21	251.1	2264	260.33	2264.24
264.07	2264.31	267.27	2264.35	268.05	2264.36	272.82	2264.42	276.8	2264.47
278.94	2264.48	283.01	2264.51	297.62	2264.65	299.17	2264.65	300.75	2264.65
302.61	2264.64	303.43	2264.63	305.57	2264.61	322.19	2264.72	322.22	2264.72
325.72	2264.66	331.39	2264.54	332.25	2264.51	333.25	2264.51	334.33	2264.46
335.72	2264.41	337.41	2264.37	337.94	2264.35	340.18	2264.31	348.45	2264.17
351.5	2264.15	354.21	2264.15	357.39	2264.08	360.56	2264.06	362.53	2264.12
363.29	2264.21	364.03	2265	365.5	2265.91	365.64	2266	365.76	2266.06
366.15	2266.37	366.96	2267	371.25	2267.12	374.98	2267.17	378.29	2267.22
390.92	2267.29	394.07	2267.31	399.22	2267.33	404.83	2267.34	413.57	2267.39
419.45	2267.39	425.49	2267.39	427.29	2267.39	437.92	2267.36	439.42	2267.36
458.56	2267.26	468.75	2267.24	474.36	2267.23	480.82	2267.23	483.63	2267.23
484.39	2267.23	498.13	2267.27	499	2267.26	502.04	2267.24	504.01	2267.25

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	211.87	.027	366.15	.035

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
211.87 366.15 1676.59 1632.82 1689.16 .01 .03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2268.55	Element	Left OB	Channel	Right OB	
Vel Head (ft)	1.87	Wt. n-Val.		0.027	0.035	
W.S. Elev (ft)	2266.68	Reach Len. (ft)	0.00	0.00	0.00	
Crit W.S. (ft)	2267.23	Flow Area (sq ft)		360.75	0.06	
E.G. Slope (ft/ft)	0.012842	Area (sq ft)		360.75	0.06	
Q Total (cfs)	3961.00	Flow (cfs)		3960.93	0.07	
Top Width (ft)	153.48	Top Width (ft)		153.08	0.40	
Vel Total (ft/s)	10.98	Avg. Vel. (ft/s)		10.98	1.19	
Max Chl Dpth (ft)	3.71	Hydr. Depth (ft)		2.36	0.16	
Conv. Total (cfs)	34952.9	Conv. (cfs)		34952.3	0.6	
Length Wtd. (ft)	0.00	Wetted Per. (ft)		154.44	0.51	
Min Ch El (ft)	2262.97	Shear (lb/sq ft)		1.87	0.10	
Alpha	1.00	Stream Power (lb/ft s)	504.01	0.00	0.00	
Frctn Loss (ft)	3.61	Cum Volume (acre-ft)				
C & E Loss (ft)	0.00	Cum SA (acres)				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreek RS: 6844

INPUT
Description:
Station Elevation Data num= 209

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
358.36	2295	360.39	2295.12	361.39	2295.17	366.22	2295.47	369.28	2295.64
375.07	2296	375.59	2296.03	375.63	2296.03	375.67	2296.04	375.98	2296.06
376.17	2296.07	376.42	2296.08	388.47	2296.83	394.84	2297	408.91	2297.41
411.18	2297.34	414.22	2297.22	418.5	2297	424.67	2296.74	426.93	2296.63
428.15	2296.55	428.93	2296.47	432.96	2296	438.74	2295.31	441.37	2295
447.95	2294.26	450.11	2294	458.06	2293.17	459.44	2293	468.27	2292
468.3	2292	468.78	2291.94	471.55	2291.56	474.01	2291.23	474.52	2291.16
475.64	2291	476.19	2290.92	482.84	2290	485.88	2289.6	490.3	2289
495.77	2288.32	498.37	2288	501.42	2287.64	506.96	2287	510.58	2286.64
512.13	2286.5	517.61	2286	525.03	2285.36	530.02	2285	531.95	2284.69
532.77	2284.57	536.33	2284	539.48	2283.75	541.52	2283.41	542.33	2283.29
545.2	2283	552.6	2282.43	554.91	2282.27	558.76	2282.02	559.02	2282
560.27	2281.98	560.61	2281.97	561.53	2281.95	561.92	2281.96	563.45	2282
564.99	2282.07	565.64	2282.07	565.8	2282.08	566.3	2282.08	566.33	2282.08
567.02	2282.08	567.1	2282.08	567.84	2282.08	568.04	2282.08	570.63	2282.07
573.51	2282.06	573.71	2282.05	573.86	2282.05	574.66	2282.03	574.86	2282.03
575.68	2282	575.73	2282	575.77	2282	575.8	2282	577.25	2281.7
580.88	2281.01	580.94	2281	581.01	2281	581.08	2280.98	581.57	2281
666	2281	668.52	2277.45	669.12	2277.47	669.13	2277.47	671.26	2277.49
672.71	2277.49	676.12	2277	677.7	2276.34	678.54	2276	679.43	2275.6
679.54	2275.58	679.69	2275.56	680.55	2275.52	683.43	2275.34	684.73	2275.3
685.82	2275.29	686.76	2275.43	687.64	2275.32	687.9	2275.34	688.65	2275.3
689.19	2275.24	689.87	2275.12	690.18	2275	690.48	2275	694.22	2275
696.22	2275	698.37	2275	700.2	2275	702.6	2275	706.34	2275
709.38	2275	709.87	2275	710	2275	710.16	2275	710.64	2275
716.95	2275	719.5	2275.53	722.08	2276	724.17	2276.4	727.6	2276.98
727.68	2277	729.57	2277.38	732.63	2278	732.88	2278	733.09	2278
733.81	2278	741.99	2278.01	742.09	2278.01	743.27	2278.01	743.48	2278.01
743.65	2278.01	744.37	2278.01	744.83	2278.01	748.14	2278	756.83	2278.01
767.4	2278.01	779.96	2278	780.36	2278	781.33	2278	784.69	2278
786.78	2278	790.21	2278.01	793.73	2278	793.96	2278	796.62	2278.01
802.25	2278.01	809.45	2278	810.14	2278	813.74	2278	819.49	2277.98
820.85	2277.98	826.57	2278	827.96	2278	828.16	2278	828.63	2278.02
853.56	2279	854.48	2278.91	861.14	2278.24	867.15	2278.19	869.64	2278.04
871.85	2278.04	871.9	2278.04	871.94	2278.04	871.98	2278.03	872.01	2278.04
873.79	2278.06	874.77	2278.08	875.68	2278.06	877.25	2278.06	881.02	2278.06
883.77	2278.04	883.78	2278.04	888.29	2278.01	889.91	2278.02	929.47	2278.49
966.98	2278.99	967.73	2278.99	970.13	2279	970.33	2279	970.52	2279
970.56	2279	973.42	2279	975.49	2279	975.66	2279	975.7	2279
975.71	2279	998.15	2279.35	1007.35	2279.57	1022.98	2279.99	1024.78	2279.99
1027.39	2279.99	1030.87	2279.99	1030.9	2279.99	1030.92	2279.99	1030.96	2280
1055.99	2280.41	1091.41	2281	1095.67	2281.07	1158.67	2282		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
358.36	.035	666	.027	854.48	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
666	854.48	881.37	858.67	856.69	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2282.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.33	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2280.87	Reach Len. (ft)	881.37	858.67	856.69
Crit W.S. (ft)	2280.87	Flow Area (sq ft)		667.13	393.82
E.G. Slope (ft/ft)	0.006443	Area (sq ft)		667.13	393.82
Q Total (cfs)	8712.00	Flow (cfs)		6787.74	1924.26
Top Width (ft)	417.70	Top Width (ft)		188.39	229.31
Vel Total (ft/s)	8.21	Avg. Vel. (ft/s)		10.17	4.89
Max Chl Dpth (ft)	5.87	Hydr. Depth (ft)		3.54	1.72
Conv. Total (cfs)	108535.7	Conv. (cfs)		84563.0	23972.8
Length Wtd. (ft)	858.40	Wetted Per. (ft)		190.85	229.38
Min Ch El (ft)	2275.00	Shear (lb/sq ft)		1.41	0.69
Alpha	1.27	Stream Power (lb/ft s)	1158.67	0.00	0.00
Frctn Loss (ft)	5.81	Cum Volume (acre-ft)	5.39	42.60	6.08
C & E Loss (ft)	0.01	Cum SA (acres)	2.13	17.15	3.27

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreek RS: 5985

```
INPUT
Description:
Station Elevation Data    num=     168
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
  521.29 2275.21  527.56    2276   533.1 2276.61  536.79    2277  540.92 2277.49
  545.59    2278  549.58 2278.54  553.67    2279  560.92 2279.98  561.12    2280
  561.17    2280  563.95 2280.14   566.4 2280.25  573.11 2280.51  574.17 2280.56
  576.86 2280.67  578.55 2280.72   579.1 2280.68  581.08    2280  582.86 2279.41
  584.61    2279  585.36 2278.85  588.89 2278.16  590.69    2278  591.41    2278
  591.61    2278  595.93 2277.99  597.46 2277.99  598.17 2277.98  598.98 2277.98
  599.26 2277.98     600 2277.98  600.09 2277.98  600.12 2277.98  603.83    2278
  605.34 2278.93  605.37 2278.94  605.54    2279  605.57 2279.09  605.59 2279.14
  605.63 2279.15  605.67 2279.16  606.11 2279.04  607.14 2279.11  607.66 2279.11
  608.52    2279  610.83  2278.4  612.05    2278  615.48 2277.22  616.26    2277
  616.95 2276.81  618.08  2276.7   621.9    2276  627.99 2275.04  628.23    2275
  631.69 2274.43  634.19    2274  635.62 2273.78  639.79 2273.09  640.31    2273
  646.68 2272.08   647.2    2272  654.12 2271.02  654.27    2271  654.42 2270.98
  661.13    2270  667.68 2269.08  668.23    2269  668.74 2268.93  675.31    2268
  676.46 2267.83  683.62    2267  688.91 2266.55  697.03    2266  701.78 2265.43
  708.36    2265  712.47 2264.13  713.27    2264  713.82 2263.91  714.03 2263.91
  717.26 2263.98  720.88 2263.96   722.4 2263.95  723.11 2263.95  729.18    2264
  738.69 2264.42  739.08 2264.43  743.52 2264.49  747.36 2264.51  747.76  2264.5
  755.59    2264  758.22 2263.99  759.31 2263.99  762.91    2264  762.95    2264
  763.16    2264  763.33    2264  769.39 2264.43  772.13 2264.56  772.68 2264.55
  773.99 2264.57  776.86 2264.49  779.34 2264.49  780.21 2264.48   781.7 2264.51
  782.63 2264.49  788.49 2264.46  793.81 2264.45  796.08 2264.49  829.82 2264.89
  831.83 2264.92  832.67 2264.93  833.37 2264.94  833.93 2264.95  840.09    2265
  840.68    2265  841.17    2265  842.24 2265.01  843.59 2265.01  845.26    2265
   847.1 2264.93  847.95 2264.87  852.25 2264.58  858.42 2264.17  860.93    2264
  862.12    2264  862.43    2264   862.9    2264   864.9    2264  866.71    2264
  871.26 2270.59  872.44 2270.36  873.89 2269.57  877.46 2269.14  884.52 2273.51
  885.11 2273.41  885.64 2273.49  890.15    2275  894.92    2275  895.27    2275
   895.3    2275  895.33    2275  906.62 2275.13  915.68 2275.23  922.81 2275.31
  928.56 2275.38  933.31 2275.44  936.97 2275.47   941.4 2275.53  950.88 2275.67
  967.96 2275.95  970.36    2276  970.95    2276  986.75 2276.25  997.18 2276.42
 1004.69 2276.53 1018.23 2276.75 1022.16 2276.79 1025.07 2276.82 1030.54    2277
 1030.56 2277.01 1030.57 2277.01 1032.52 2277.01 1036.91 2277.02 1040.54 2277.03
 1045.54 2277.05 1047.78 2277.05 1063.04 2277.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
  521.29    .035  585.36    .027  858.42    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        585.36  858.42           633.62  615.42  613.71            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2272.08    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               4.70    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2267.38    Reach Len. (ft)          633.62     615.42     613.71
  Crit W.S. (ft)           2268.79    Flow Area (sq ft)                   471.58      31.75
  E.G. Slope (ft/ft)      0.027913    Area (sq ft)                        471.58      31.75
  Q Total (cfs)            8712.00    Flow (cfs)                         8290.53     421.47
  Top Width (ft)            188.70    Top Width (ft)                      178.08      10.62
  Vel Total (ft/s)           17.31    Avg. Vel. (ft/s)                     17.58      13.27
  Max Chl Dpth (ft)           3.47    Hydr. Depth (ft)                      2.65       2.99
  Conv. Total (cfs)        52144.8    Conv. (cfs)                        49622.2     2522.7
  Length Wtd. (ft)          616.64    Wetted Per. (ft)                    178.37      12.40
  Min Ch El (ft)           2263.91    Shear (lb/sq ft)                      4.61       4.46
  Alpha                       1.01    Stream Power (lb/ft s)   1063.04      0.00       0.00
  Frctn Loss (ft)            10.09    Cum Volume (acre-ft)        5.39      31.37       1.90
  C & E Loss (ft)             0.03    Cum SA (acres)              2.13      13.54       0.91


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreek         RS: 5370

INPUT
Description:
Station Elevation Data    num=     233
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2264.3     198  2261.6  224.35 2260.06  225.99 2260.05  229.79 2260.03
  230.15 2260.03  230.29 2260.03  230.76 2260.03  235.56    2260  260.76 2259.85
  264.67 2259.86  264.73 2259.86  264.79 2259.86  272.77 2259.81     321  2259.8
  323.84 2259.05  324.89 2259.04  328.26 2259.02  329.38 2259.02  330.21 2259.01
  330.93 2259.01  331.69 2259.01  332.28    2259  332.65    2259  335.17 2258.77
```

```
  339.88    2258  360.37 2257.01  360.59    2257  360.74    2257   363.9 2256.98
  364.08 2256.98  366.44 2256.96  367.14 2256.96  381.38 2256.92  395.43 2256.89
  399.07 2256.91  404.98 2256.93  414.04 2256.97  416.18    2257  416.55  2257.6
  416.81    2258  416.98 2258.43   417.2 2258.49   417.8 2258.54  418.78 2258.53
  419.74 2258.48  420.41 2258.43  423.07 2258.71  424.07 2258.68  424.77 2258.64
  426.65 2258.73   427.9 2258.76  431.23 2258.69  434.07 2258.65  437.62 2258.62
  451.13 2258.52  455.47 2258.49  465.75 2258.43  469.06 2258.39  472.94 2258.33
   474.8 2258.32  479.27 2258.23  480.51 2258.21   488.7    2258  496.71 2257.92
  499.33 2257.91   504.1 2257.94  511.32 2257.93  511.66 2257.92  514.49 2257.98
   515.2    2258  521.82 2258.19  521.93 2258.19   528.3 2258.39  528.35 2258.39
  532.58 2258.53   532.6 2258.53  538.42 2258.76   540.8 2258.78  542.95 2258.78
  548.41 2258.74  553.31  2258.7  557.14 2258.69  560.87 2258.69  562.51 2258.69
  584.09 2258.72   586.2 2258.74  586.46 2258.74  586.72 2258.74  586.88 2258.74
  593.66 2258.69  610.19 2258.37  610.33 2258.37  613.29 2258.38  620.63    2258
  624.25 2257.36  626.42    2257  627.59 2256.99  632.94 2256.77  637.34 2256.65
  637.89 2256.66  638.39 2256.68  638.74 2256.72  638.95 2256.75  639.55    2257
  649.51 2257.11     651 2257.12  653.59 2257.43  656.28 2257.63  659.46  2257.6
  661.64 2257.57  664.11 2257.54  679.14 2257.33  684.55 2257.25  687.85  2257.2
  693.43 2257.14  697.21  2257.1  697.49  2257.1  697.77  2257.1  702.07 2257.08
  705.06 2257.07  709.43 2257.07  713.86 2257.01  714.84 2257.01  726.68 2257.02
  729.45 2257.01  729.66 2257.01  729.95 2257.01  736.96 2257.02  738.94 2257.02
  744.68 2257.02  756.59 2257.01  757.28 2257.01  757.38 2257.01  758.78    2257
  760.37    2257  761.96    2257  762.14    2257  762.28    2257  763.69 2256.85
  773.31    2256  775.24    2256   776.3    2256  777.35    2256  781.39    2256
  793.31    2256   793.4    2256  794.36    2256  797.24 2256.06  799.29 2256.11
  805.89  2256.3  813.14    2257  825.27 2257.02  829.92 2257.02  832.62 2257.02
  838.39    2257   838.6    2257  838.63    2257  841.31    2257  841.43    2257
  843.11    2257  844.13    2257  844.38    2257  846.06    2257  846.62 2256.99
  847.61 2256.99  849.07 2256.99  849.58 2256.99  849.81 2256.99   851.3 2256.98
  852.03 2256.96  859.02 2256.77  859.41 2256.76  860.62 2256.71  863.05  2256.6
  864.81 2256.55  866.88 2256.48  874.99 2256.16  878.89 2256.15  878.92 2256.14
   880.5 2256.09  884.87 2256.11  884.98 2256.11  889.59  2257.1  906.47 2258.28
  907.66 2258.45  909.06  2258.7  911.93  2258.8  914.77 2258.85  917.23 2259.45
  921.24 2260.64  926.66 2262.82  931.87 2264.91  941.66 2268.84  944.23 2269.97
  948.89 2269.96  953.46 2269.95  954.03 2269.96  954.47 2269.96  963.93 2269.94
  964.49 2269.94  965.26 2269.93  966.92 2269.88  971.54 2269.86  975.98 2269.84
  975.99 2269.84  977.67 2269.84  981.25 2269.66  983.58 2269.55  990.59 2269.38
  994.59 2269.31 1001.55  2269.3 1003.06  2269.3 1004.56  2269.3 1010.07 2269.34
 1018.69 2269.47 1021.27 2269.55    1025 2269.68 1025.02 2269.68  1034.7    2270
 1034.72    2270 1036.11    2270 1036.13    2270 1043.57    2270 1044.71    2270
 1052.04    2270 1052.05    2270 1052.06    2270 1052.07    2270 1058.89 2270.08
 1076.78  2270.3 1090.21 2270.35 1104.24 2270.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  451.13    .027  864.81    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        451.13  864.81           678.93  694.24  769.17            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2260.45    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.18    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2259.26    Reach Len. (ft)          678.93     694.24    769.17
  Crit W.S. (ft)           2259.48    Flow Area (sq ft)        196.84     718.48    104.84
  E.G. Slope (ft/ft)      0.013390    Area (sq ft)             196.84     718.48    104.84
  Q Total (cfs)            8712.00    Flow (cfs)              1281.01    6607.96    823.04
  Top Width (ft)            593.43    Top Width (ft)           128.10     413.68     51.66
  Vel Total (ft/s)            8.54    Avg. Vel. (ft/s)           6.51       9.20      7.85
  Max Chl Dpth (ft)           3.26    Hydr. Depth (ft)           1.54       1.74      2.03
  Conv. Total (cfs)        75287.8    Conv. (cfs)             11070.3    57104.9    7112.6
  Length Wtd. (ft)          696.66    Wetted Per. (ft)         129.10     413.98     51.90
  Min Ch El (ft)           2256.00    Shear (lb/sq ft)           1.27       1.45      1.69
  Alpha                       1.04    Stream Power (lb/ft s)  1104.24       0.00      0.00
  Frctn Loss (ft)            11.53    Cum Volume (acre-ft)       3.96      22.97      0.93
  C & E Loss (ft)             0.11    Cum SA (acres)             1.20       9.36      0.47


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreek         RS: 4676

INPUT
Description:
Station Elevation Data    num=     152
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2254     308    2251     400  2250.5403.38572248.023 403.5592248.005
```

403.6039 2248403.6696 2248403.84782247.999404.12482247.997404.16672247.997
404.94162247.994 408.7782247.979409.66722247.974 415.3412247.994415.57592247.993
420.65682247.997420.86412247.997422.3687 2248436.47122248.144439.42082248.123
442.6372248.067445.14612248.045447.80132248.085454.16552248.852454.94492248.935
455.4094 2249455.7664 2249457.61632249.002458.86172249.002459.9385 2249
466.34032248.813472.83752248.609500.47222248.334506.29172248.234514.25542248.134
517.71562248.102522.33812248.062526.70192248.016527.9675 2248549.98772247.708
560.71752247.628569.5013 2247.58584.96142247.478 588.292247.472599.66962247.266
612.2337 2247.01612.8613 2247.01613.54512247.009617.0461 2247 626.7582246.895
627.79532246.885628.93832246.889629.2266 2246.89629.3774 2246.89648.85242246.789
657.16822246.746661.71462246.762685.55272246.998685.82282246.998689.7922 2247
695.53582247.131711.5197 2247.47718.72042247.608725.24022247.692732.93982247.785
742.95092247.894744.63512247.915745.0974 2247.92754.3486 2248768.97912248.117
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933.81492247.968943.1692 2248943.20512248.004943.2662 2248.01944.39152248.181
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950.6763 2248.4952.87842248.204954.12132248.053954.5251 2248956.71712248.554
956.72662248.556957.42072248.735958.82392249.125985.88632261.387985.98532261.384
988.10662261.371990.0945 2261.36 990.1922261.358 998.5672261.077998.89562261.077
1002.6192261.012 1003.86 22611003.8672260.9941003.8992260.9941006.8522260.962
1007.832260.9611011.1582260.949 1015.292260.8181024.2852260.6231030.3392260.596
1030.3532260.5971035.9222260.5731038.656 2260.611040.9532260.6411047.032 2260.62
1054.552260.6471063.0972260.705 1074.482260.8591082.747 2260.991085.214 2261
1096.61 2261.1 1096.722261.1011102.0142261.1431108.5722261.1141113.7522261.099
1123.5752261.0191125.684 22611127.0982260.9951128.8252260.9931130.852 2260.99
1132.2572260.991 1136.02 22611140.8542261.0661141.2182261.0651149.3892261.329
1149.4682261.3311156.2522261.2141156.2762261.2151158.1052261.1841158.1262261.184
1158.2522261.1921160.7652261.314

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	308	.027958.8239		.035

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
308958.8239 133 133 133 .01 .03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2250.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.32	Wt. n-Val.		0.027	0.035
W.S. Elev (ft)	2249.63	Reach Len. (ft)	133.00	133.00	133.00
Crit W.S. (ft)	2249.89	Flow Area (sq ft)		945.34	0.28
E.G. Slope (ft/ft)	0.013898	Area (sq ft)		945.34	0.28
Q Total (cfs)	8712.00	Flow (cfs)		8711.48	0.51
Top Width (ft)	558.73	Top Width (ft)		557.63	1.10
Vel Total (ft/s)	9.21	Avg. Vel. (ft/s)		9.22	1.87
Max Chl Dpth (ft)	2.88	Hydr. Depth (ft)		1.70	0.25
Conv. Total (cfs)	73900.2	Conv. (cfs)		73895.8	4.4
Length Wtd. (ft)	133.00	Wetted Per. (ft)		558.45	1.21
Min Ch El (ft)	2246.75	Shear (lb/sq ft)		1.47	0.20
Alpha	1.00	Stream Power (lb/ft s)	1160.77	0.00	0.00
Frctn Loss (ft)	9.50	Cum Volume (acre-ft)	2.43	9.71	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.20	1.62	0.01

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreek RS: 4543

INPUT
Description:
Station Elevation Data num= 234

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2251.6	219	2248.6	355	2248.4	356.2	2246.95	362.58	2247
364.67	2247.01	379.13	2247.08	379.81	2247.08	395.5	2247.13	396.54	2247.13
412.78	2247.16	428.38	2247.02	428.7	2247.02	432.48	2247.02	432.73	2247.02
435.18	2247.02	435.75	2247.02	438.18	2247.01	438.57	2247.01	439.13	2247.01
440.38	2247	447.07	2246.99	448.26	2246.99	454.84	2247	455.14	2247
456.12	2247	456.91	2247	459.12	2247	460.69	2247	463.78	2247
465.96	2246.33	467.08	2246	468	2246	468.34	2246	473.54	2245.97
477.54	2245.98	478.21	2245.98	480.11	2245.97	481.83	2245.97	484.11	2245.96
486.54	2245.97	486.94	2245.97	489.4	2245.98	491.95	2246	494.65	2246.78
495.04	2246.78	497.97	2246.74	502.23	2246.68	504.62	2246.62	505.77	2246.59
509.77	2246.51	511.33	2246.47	518.21	2246.36	525.41	2246.18	535.18	2246.08
537.02	2246.05	537.95	2246.04	544.57	2246	546.16	2246	546.21	2246
546.32	2246	553.39	2245.99	554.27	2245.99	568.41	2245.99	571.96	2245.95
572.29	2245.95	572.66	2245.94	579.64	2245.93	580.15	2245.93	580.65	2245.93
592.54	2245.86	600.08	2245.84	607.44	2245.83	615.58	2245.84	618.64	2245.84
621.88	2245.83	626.8	2245.82	643.19	2245	647.88	2244.99	656.78	2244.99

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  663.12    2245  663.58    2245  667.69    2245  671.04 2245.17  672.16 2245.22
  672.61 2245.24  673.03 2245.29  676.12    2246  679.61    2246  679.68    2246
  680.08    2246  681.01 2245.99  685.57 2245.94  690.25 2245.98  691.04 2245.98
  692.39    2246  692.83    2246  698.04    2246  704.39 2245.43  710.51 2245.35
  715.02 2245.32  723.54 2245.52  725.07 2245.54  727.02 2245.57  730.82 2245.66
  737.17 2245.78  738.27 2245.81  738.85 2245.82  745.64 2245.91  745.81 2245.91
  745.97 2245.92  752.37 2245.96  752.47 2245.96  752.71 2245.97  766.44 2245.99
   768.9    2246  770.71    2246  770.88    2246  781.59 2246.04   781.9 2246.05
  802.38 2246.15  803.22 2246.16  806.01 2246.17  808.73 2246.18  819.72 2246.18
   820.5 2246.18  821.18 2246.18  826.91  2246.2  830.37  2246.2  841.69 2246.25
  845.72  2246.3  852.48 2246.41   859.4 2246.59  862.04 2246.62  869.11 2246.81
  870.14 2246.83  870.93 2246.84     877    2247  877.03    2247  877.07    2247
  877.57    2247  878.88    2247  878.95    2247     879    2247  879.12    2247
  885.24 2246.88   886.1 2246.86  898.15 2246.62  902.12 2246.55  904.69 2246.52
     908 2246.47  922.05 2246.27  937.72 2246.01  938.48 2246.01  941.38    2246
  954.16  2245.9   957.2 2245.88  959.32  2245.9  970.45 2245.79  975.58  2245.9
  975.68  2245.9  978.84 2245.96  979.08 2245.96  981.71    2246  982.36    2246
  983.31    2246  985.09 2246.01  987.57    2246  987.92    2246  990.27 2246.88
  991.76 2247.44  995.56 2248.93  996.59 2249.36  997.73 2249.87  997.76 2249.89
  997.85 2249.93 1008.94 2255.21 1016.39 2258.35 1016.93 2258.62  1021.8    2259
 1024.84 2258.98  1026.7 2258.98 1033.74 2258.83 1042.84 2258.69 1049.54 2258.64
 1053.27 2258.62 1057.61 2258.58 1060.76 2258.56 1063.67 2258.54 1068.88  2258.5
 1075.03 2258.46 1078.59 2258.38 1081.15 2258.33 1086.21 2258.29 1090.44 2258.28
 1097.53 2258.23 1099.02 2258.25 1100.74 2258.27 1100.76 2258.27 1115.98 2258.23
 1136.62 2258.01 1136.68 2258.01 1136.74 2258.01 1136.77 2258.01 1136.86 2258.01
 1137.97    2258 1145.16    2258 1147.36    2258 1151.52    2258 1152.61    2258
  1153.2    2258 1157.86    2258  1161.2    2258 1166.35    2258 1166.37    2258
 1166.38    2258 1166.44    2258 1168.49 2258.02 1168.99 2258.03 1169.82 2258.04
 1170.11 2258.04 1170.52 2258.05 1170.58 2258.06 1182.88 2258.35 1186.68 2258.39
 1191.54 2258.44 1199.75  2258.6 1204.34 2258.69 1211.24 2258.74  1219.4 2258.81
  1221.8 2258.85  1226.9 2258.88 1231.01 2258.88 1231.28 2258.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  486.94    .027  990.27    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        486.94  990.27           304.54  322.42  558.08             .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2249.06    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.33    Wt. n-Val.               0.035      0.027      0.035
  W.S. Elev (ft)           2247.74    Reach Len. (ft)         322.42     322.42     322.42
  Crit W.S. (ft)           2248.03    Flow Area (sq ft)       112.33     866.39       0.97
  E.G. Slope (ft/ft)      0.014341    Area (sq ft)            112.33     866.39       0.97
  Q Total (cfs)            8712.00    Flow (cfs)              513.09    8196.21       2.70
  Top Width (ft)            636.97    Top Width (ft)          131.39     503.33       2.25
  Vel Total (ft/s)            8.89    Avg. Vel. (ft/s)          4.57       9.46       2.78
  Max Chl Dpth (ft)           2.75    Hydr. Depth (ft)          0.85       1.72       0.43
  Conv. Total (cfs)        72750.2    Conv. (cfs)             4284.6    68443.1       22.5
  Length Wtd. (ft)          322.42    Wetted Per. (ft)        131.91     503.77       2.40
  Min Ch El (ft)           2244.99    Shear (lb/sq ft)          0.76       1.54       0.36
  Alpha                       1.08    Stream Power (lb/ft s)  1231.28       0.00       0.00
  Frctn Loss (ft)             1.88    Cum Volume (acre-ft)       2.26       6.94       0.00
  C & E Loss (ft)             0.00    Cum SA (acres)


Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 4220

INPUT
Description:
Station Elevation Data    num=     284
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0     2249   11.94 2246.63   38.79     2246   62.01 2245.32     212     2245
  215.22     2243  220.83   2242.9  221.36 2242.89  224.83 2242.84  227.97 2242.81
  233.27 2242.77  238.21 2242.75   265.4     2243  266.66 2243.01  266.93 2243.01
  271.23 2243.03  271.36 2243.03  271.49 2243.03  271.95 2243.03  300.51 2243.14
  301.39 2243.15  311.55 2243.17  312.35 2243.17  320.06 2243.17  325.78 2243.16
  336.66 2243.06  340.68 2243.01  342.74 2243.01  344.36     2243  351.52 2242.87
  358.45 2242.77  364.11 2242.71  367.43 2242.68  376.97 2242.58  385.53 2242.48
  388.61 2242.45  391.65 2242.43  394.92 2242.43  396.85 2242.41  400.46 2242.41
  404.46 2242.43  406.32 2242.42  410.45 2242.45  412.66 2242.46  416.89  2242.5
  419.39 2242.53  436.31 2242.72  444.09 2242.79  452.31  2242.9   458.4 2242.93
  464.14 2242.94  473.99 2242.94  474.65 2242.95  479.03 2242.95  483.01 2242.97
  487.21     2243  488.35     2243  489.71     2243  489.79     2243     490     2243
  491.13 2242.99   491.3 2242.99  500.75  2242.9  503.82 2242.91  504.26 2242.92
  512.23     2243   512.9     2243  520.35     2243  528.86     2243  531.26     2243
     532     2243  532.47     2243  534.68     2243  541.84     2243  545.07     2243
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  556.22 2242.99  556.66 2242.99  565.86    2243  568.17    2243  568.24    2243
  568.28    2243  579.52  2243.8  582.14    2244   583.3    2244  583.97    2244
  588.76 2243.35  590.21 2243.15  591.36    2243  591.47 2242.98  591.48 2242.98
  591.62 2242.98  592.29 2242.92  592.69 2242.88   594.5 2242.69  599.87 2242.16
  601.41    2242  601.56    2242  601.69    2242  601.78    2242  602.09    2242
  602.22    2242  602.32    2242  602.41    2242  602.58    2242  603.29    2242
  603.45    2242  603.74    2242  603.89    2242  606.57    2242  609.03    2242
   609.1    2242  609.19    2242  609.34    2242  613.88 2241.99     614 2241.99
  614.24 2241.99  614.52 2241.99  615.02 2241.99   615.5 2241.99  615.87 2241.99
  616.22 2241.99  616.46 2241.99  616.76 2241.99  616.98 2241.99  617.23 2241.99
  629.14 2241.98   635.5 2241.98  640.99 2241.98  648.56 2241.97   664.2 2241.99
  665.04 2241.99  667.17 2241.99  667.59 2241.99  669.28 2241.99  669.78 2241.99
  670.47 2241.99  674.05 2241.99  680.81    2242  683.78 2242.02  686.24 2242.03
   688.1 2242.04  689.07 2242.04  696.35 2242.18  714.09 2242.45  714.99 2242.45
  716.13 2242.46  717.67 2242.47  718.76 2242.48  729.14 2242.53  730.05 2242.54
  739.81 2242.65  746.89 2242.67  747.38 2242.67  749.81 2242.66  750.14 2242.66
  754.43 2242.64  759.47  2242.6  779.92  2242.2  780.06 2242.19  780.18 2242.19
  790.93    2242  791.75    2242  796.38 2241.98  800.59 2241.99  802.48 2241.99
  802.51 2241.99  802.58 2241.99  803.58 2241.99  807.01 2241.38  807.98 2241.24
  808.12 2241.22     809    2241  812.87 2240.97  821.74 2240.91  827.45 2240.94
  828.23 2240.94  829.57 2240.95  836.58 2240.95  845.63 2240.92  859.31 2240.98
  860.49 2240.99  861.48 2240.99  864.92    2241  875.72 2241.69   878.2    2242
  878.27    2242  878.38    2242  880.62    2242  881.51    2242   883.3 2242.01
  885.47 2242.01  888.57 2242.01  898.83 2242.04   899.8 2242.04  900.71 2242.04
  901.05 2242.04  903.03 2242.04  911.68 2242.06  911.79 2242.06  911.99 2242.06
  912.04 2242.06   912.7 2242.06  912.88 2242.06  913.94 2242.06  914.29 2242.06
  915.47 2242.06  915.88 2242.06  916.61 2242.05  921.32  2242.5  924.73  2242.8
  928.38    2243  930.14 2243.44     932    2244  933.44 2244.47  935.27    2245
  936.37 2245.38  938.23    2246  940.39 2246.89  940.69    2247  941.14 2247.17
  941.37 2247.29  942.58    2248  942.94 2248.31  944.02    2249  944.83 2249.79
  945.06    2250  945.45 2250.38   946.2    2251  946.73 2251.46   946.8 2251.52
  947.34    2252  948.27 2252.82  948.53    2253  948.66 2253.09  950.45    2254
  952.46 2254.91  952.65    2255   953.4 2255.35  954.68    2256  956.54 2256.93
  956.68    2257  957.61 2257.56   958.6    2258  959.09 2258.28  960.35    2259
  960.98 2259.36   962.1    2260  963.18 2260.62  963.85    2261  965.53 2261.85
  965.83    2262  965.87    2262  965.89    2262  966.62 2262.19  970.04    2263
  972.22  2263.6  973.73    2264  976.28 2264.76  977.24    2265   977.6 2265.08
  981.33    2266  982.76 2266.36  985.33    2267  987.39 2267.61  988.76    2268
  991.22 2268.68  992.29    2269  993.89  2269.5   995.6    2270   996.9 2270.42
  998.51    2271 1000.92 2271.84 1001.38    2272 1003.37 2272.97 1003.44    2273
  1003.5 2273.03 1004.08 2273.33  1005.3    2274 1006.89 2274.91 1007.06    2275
 1007.24  2275.1 1008.71 2275.99 1008.73    2276 1008.74 2276.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  504.26    .027  946.73    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        504.26  946.73             358.3  403.57  452.29            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2245.66    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               1.09    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2244.57    Reach Len. (ft)          358.30     403.57    452.29
  Crit W.S. (ft)           2244.62    Flow Area (sq ft)        497.48    1009.83
  E.G. Slope (ft/ft)      0.008652    Area (sq ft)             497.48    1009.83
  Q Total (cfs)           11934.00    Flow (cfs)              2802.15    9131.85
  Top Width (ft)            721.09    Top Width (ft)           291.57     429.52
  Vel Total (ft/s)            7.92    Avg. Vel. (ft/s)           5.63       9.04
  Max Chl Dpth (ft)           3.66    Hydr. Depth (ft)           1.71       2.35
  Conv. Total (cfs)       128302.8    Conv. (cfs)             30126.0    98176.8
  Length Wtd. (ft)          392.27    Wetted Per. (ft)         292.03     430.09
  Min Ch El (ft)           2240.91    Shear (lb/sq ft)           0.92       1.27
  Alpha                       1.12    Stream Power (lb/ft s)  1008.74       0.00       0.00
  Frctn Loss (ft)             3.40    Cum Volume (acre-ft)       5.56      47.55       3.20
  C & E Loss (ft)             0.01    Cum SA (acres)             3.22      12.02       1.77


Warning: During supercritical flow calculations a junction was encountered.  During standard step calculations the program used
         the stream with the greatest momentum to balance the energy equation.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 3817

INPUT
Description:
Station Elevation Data    num=     194
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2249.4     208  2245.6  211.77    2244  235.99 2243.38  251.16    2243
  255.89 2242.88  268.39 2242.59  268.72 2242.58  269.06 2242.58  269.18 2242.57
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  283.95 2242.24  294.76 2242.02  295.18 2242.02  296.62 2242.01  297.24    2242
   309.8 2241.56  313.48 2241.48  319.96 2241.28  337.49    2241   337.5    2241
  337.51    2241  338.52    2241  338.54    2241  338.55    2241  338.84 2240.97
  343.15 2240.85  344.33 2240.82   347.3 2240.75  353.22 2240.58  366.79 2240.05
  367.83 2240.01  368.08 2240.01  368.98 2240.01  370.03    2240  388.11 2239.56
  388.35 2239.55   403.4 2239.24   414.6    2239  414.61    2239  414.63    2239
  414.66    2239  414.69    2239  414.73    2239  414.77    2239  414.81    2239
  415.18    2239  428.33 2238.81  433.93 2238.74   445.5 2238.57  453.33 2238.46
  468.51 2238.28  473.02 2238.22  493.96    2238  494.17    2238  494.22    2238
  498.05 2237.99  498.83 2237.99  501.78 2237.99  504.19 2237.99  522.24 2237.83
  550.37 2237.82   561.7 2237.91  584.32    2238   588.1 2238.01  591.02 2238.01
  592.88 2238.01   594.8 2238.01  595.62    2238  610.57 2237.65  625.62 2237.29
  629.07 2237.24  633.16 2237.19  636.76 2237.21  642.25 2237.28  642.73 2237.33
  643.89 2237.27  644.86 2237.27  650.09    2238  654.81 2238.74  656.65    2239
  658.56 2239.05   658.9 2239.05  660.34 2239.03  661.77    2239  664.77  2238.3
  665.81 2238.07  666.04    2238  666.23 2237.95  666.33 2237.95  666.97 2237.82
   668.8 2237.59  669.28 2237.64  669.96 2237.56  676.52 2237.69   680.7 2237.72
  698.55 2237.47  710.19 2237.27  715.52 2237.19  716.05 2237.18  723.56  2237.1
  723.91  2237.1  731.87 2237.02  732.28 2237.02  735.14    2237  747.35 2236.94
  750.37 2236.93  757.56 2236.85  767.46 2236.76   775.7  2236.7  778.02 2236.68
  783.49 2236.63  791.22 2236.55  798.35 2236.49  801.28 2236.45  806.44 2236.42
  812.97 2236.33   820.6 2236.29  825.05 2236.33  833.49 2236.54  834.44 2236.47
  834.64 2236.49  834.86 2236.51  835.78 2236.45  836.32 2236.43   836.8 2236.44
  837.13 2236.49  837.97    2237  838.38 2237.34   839.3    2238  840.01  2238.4
  840.81    2239  841.55 2239.45  842.28    2240  843.22 2240.63  843.72    2241
  844.49 2241.43  845.28    2242  846.08 2242.57  846.68    2243   847.6 2243.63
  848.19    2244  849.13 2244.63  849.87    2245  852.84  2245.7  854.14    2246
  857.42 2246.79  858.31    2247  859.67 2247.33  861.66  2247.8  862.37 2247.93
  862.55    2248  862.74 2248.06   866.7    2249  868.18  2249.8  868.61    2250
  870.72 2250.81  871.12    2251  871.64 2251.23  873.68    2252  875.99 2252.97
  876.06    2253  876.13 2253.03   877.9 2253.72  878.61 2253.99  878.63    2254
  878.67 2254.01  881.29    2255  882.62 2255.54  883.84    2256  885.37  2256.6
  886.46    2257  886.86 2257.15  889.19    2258  891.45 2258.83  891.91    2259
   892.3 2259.14  892.64 2259.25  893.93 2259.66  895.23    2260  896.75  2260.4
  898.38    2261  899.73 2261.49  901.29    2262  902.68 2262.63  903.72    2263
  905.77 2263.79   906.2    2264  906.58 2264.19  908.27    2265  909.36 2265.57
  910.34    2266  911.65  2266.7  912.31    2267  912.76 2267.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  610.57    .027  859.67    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        610.57  859.67             253.8  253.43  243.57            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2242.13    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.71    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2240.42    Reach Len. (ft)          253.80     253.43     243.57
  Crit W.S. (ft)           2240.69    Flow Area (sq ft)        493.28     755.06
  E.G. Slope (ft/ft)      0.009348    Area (sq ft)             493.28     755.06
  Q Total (cfs)           11934.00    Flow (cfs)              3157.76    8776.24
  Top Width (ft)            485.59    Top Width (ft)           253.25     232.34
  Vel Total (ft/s)            9.56    Avg. Vel. (ft/s)           6.40      11.62
  Max Chl Dpth (ft)           4.13    Hydr. Depth (ft)           1.95       3.25
  Conv. Total (cfs)       123429.3    Conv. (cfs)             32659.6    90769.6
  Length Wtd. (ft)          253.48    Wetted Per. (ft)         253.28     233.87
  Min Ch El (ft)           2236.29    Shear (lb/sq ft)           1.14       1.88
  Alpha                       1.21    Stream Power (lb/ft s)   912.76       0.00       0.00
  Frctn Loss (ft)             3.53    Cum Volume (acre-ft)       1.49      39.37       3.20
  C & E Loss (ft)             0.01    Cum SA (acres)             0.98       8.95       1.77


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
        need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 3563

INPUT
Description:
Station Elevation Data    num=     235
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2244.8     160  2241.6  161.15 2240.28  178.61    2240     218  2239.2
  229.14    2239  235.82 2238.89  237.71 2238.85   241.2 2238.79   251.5  2238.6
     300  2238.5  307.82 2237.49  314.07 2237.36  317.44 2237.28  319.62 2237.23
  331.71    2237  381.04 2236.11  396.45    2236  400.99 2235.68  403.07  2235.5
   403.7 2235.45  404.03 2235.42  405.79 2235.25  405.94 2235.23  408.15    2235
  409.77 2234.74  410.72 2234.56  411.49 2234.38  412.79    2234  414.67 2233.85
  414.97 2233.84  415.75 2233.38  416.61 2233.15  417.27    2233  420.16  2232.4
  421.89    2232   421.9    2232  421.99    2232  423.07    2232  423.97    2232
```

423.99	2232.01	424.66	2232.18	424.87	2232.23	425.34	2232.32	425.74	2232.37
426.11	2232.44	426.54	2232.46	428.45	2232.95	428.77	2232.95	429.1	2232.95
430.03	2232.94	431.56	2232.94	431.75	2232.94	436.77	2232.97	438.11	2232.98
438.22	2232.98	439.17	2232.98	439.44	2232.98	440.18	2232.98	440.44	2232.98
441.5	2232.98	442.16	2232.97	446.46	2232.98	446.8	2232.98	447.82	2232.98
447.84	2232.98	447.87	2232.98	448.89	2232.98	449.6	2232.99	451.02	2232.99
452.28	2232.99	452.59	2232.99	452.94	2232.99	453.27	2233	453.73	2233
455.85	2233	458.55	2233.66	459.74	2234	460.22	2234.13	462.92	2235
466.2	2235.31	468.67	2235.53	471.77	2235.82	472.08	2235.86	472.54	2235.91
473.57	2236	479.59	2236	480.84	2236	485.05	2236	486.3	2236
487.95	2236	492.12	2235.7	493.54	2235.61	500.53	2235.18	501.87	2235.12
502.05	2235.12	503.23	2235	506.45	2234.63	507	2234.6	507.48	2234.57
509.03	2234.55	509.47	2234.52	509.87	2234.5	510.16	2234.47	512.62	2234.49
512.99	2234.46	513.59	2234.39	515.22	2234.25	516.01	2234.19	530.47	2234.31
531.18	2234.3	531.82	2234.28	534.37	2234.23	536.14	2234.2	545.03	2234.21
545.23	2234.21	545.43	2234.2	548.21	2234.21	553.61	2234.17	557.37	2234.15
558.15	2234.15	574.1	2234.29	577.51	2234.3	580.1	2234.3	583.75	2234.35
588.75	2234.41	591.68	2234.42	595.51	2234.42	599.33	2234.42	599.99	2234.43
616.19	2234.37	619.95	2234.28	625.11	2234.13	627.65	2234.01	628.35	2234
630.31	2233.99	631.2	2234	632.41	2234.06	636.38	2235	638.26	2235.84
638.65	2236	641.16	2236.99	641.17	2237	641.39	2237.08	643.75	2237.84
644.36	2238	646.68	2238.22	651.87	2238.4	655.79	2238.55	659.94	2238.64
664.43	2238.95	664.67	2238.95	665.49	2238.95	666.75	2238.95	674.71	2238.99
676.42	2239	679.25	2239.65	680.63	2240	681.61	2240.25	684.45	2241
685.33	2241.22	686.79	2241.65	687.94	2241.95	688.1	2242	688.29	2242.06
691.51	2243	694.26	2243.85	694.8	2244	694.93	2244.04	698.57	2245
700.98	2245.67	701.92	2245.87	702.79	2246	703.96	2246.19	705.58	2246.36
707.29	2246.52	709.42	2246.68	714.01	2247	715.69	2247.13	729.31	2248
729.5	2248.01	729.53	2248.01	729.54	2248.01	729.57	2248.01	731.58	2248.07
731.65	2248.07	733.95	2248.08	736.57	2248.07	746.6	2248	771.12	2247.85
771.37	2247.85	772.2	2247.85	774.2	2247.92	776.14	2248	776.23	2248.01
777.7	2248.18	778.72	2248.34	781.53	2249	783.95	2249.55	785.69	2250
788.33	2250.6	789.98	2251	791.89	2251.46	794.12	2252	795.73	2252.37
798.14	2253	801.35	2253.69	802.97	2253.82	805.63	2253.91	805.67	2253.92
805.72	2253.92	805.82	2253.92	805.91	2253.92	809.08	2253.94	812.25	2253.9
815.73	2253.68	822.48	2253.35	822.86	2253.33	823.31	2253.34	824.16	2253.31
829.27	2253.43	831.52	2253.42	832.51	2253.41	838.08	2253.25	840.69	2253.18
842.59	2253.15	842.97	2253.15	844.39	2253.19	844.85	2253.21	845.47	2253.26
847.08	2253.45	848.56	2253.61	850.47	2253.89	851.15	2254	851.71	2254.08

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	300	.027	651.87	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
300	651.87	529.2	603.78	660.08	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	2240.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.70	Wt. n-Val.		0.027	
W.S. Elev (ft)	2238.38	Reach Len. (ft)	529.20	603.78	660.08
Crit W.S. (ft)	2238.41	Flow Area (sq ft)		1141.44	
E.G. Slope (ft/ft)	0.007521	Area (sq ft)		1141.44	
Q Total (cfs)	11934.00	Flow (cfs)		11934.00	
Top Width (ft)	350.34	Top Width (ft)		350.34	
Vel Total (ft/s)	10.46	Avg. Vel. (ft/s)		10.46	
Max Chl Dpth (ft)	6.38	Hydr. Depth (ft)		3.26	
Conv. Total (cfs)	137608.3	Conv. (cfs)		137608.3	
Length Wtd. (ft)	607.27	Wetted Per. (ft)		352.05	
Min Ch El (ft)	2232.00	Shear (lb/sq ft)		1.52	
Alpha	1.00	Stream Power (lb/ft s)	851.71	0.00	0.00
Frctn Loss (ft)	2.09	Cum Volume (acre-ft)	0.05	33.86	3.20
C & E Loss (ft)	0.00	Cum SA (acres)	0.24	7.25	1.77

Warning: The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreekPC RS: 2959

INPUT
Description:
Station Elevation Data num= 98

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2238.13	7.01	2238	29.22	2237.53	53.03	2237	74.13	2236.36
75.42	2236.32	89.06	2236	102.49	2235.72	133.75	2235	166.88	2234.27
177.32	2234	226.67	2233.07	227.12	2233.06	227.49	2233.06	229.04	2233.03
230.74	2233	264.7	2232.38	270.82	2232.32	439	2232.3	452.99	2227.93
469.16	2227.75	492.77	2227.64	501.4	2227.67	512.7	2227.69	517.69	2227.7

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  530.11 2227.79  546.21 2227.91  547.07 2227.91  550.99 2227.92  551.68 2227.92
  553.41 2227.91  556.11 2227.88  556.47 2227.87  557.21 2227.87   558.4 2227.87
  574.58 2227.93  578.03 2227.96  591.92    2228  624.76 2228.96   626.2    2229
  626.28    2229  651.35 2229.11  651.93 2229.11  652.81 2229.12  653.46 2229.12
  659.23 2229.16  664.04  2229.2   669.5 2229.25  672.21 2229.28  675.17 2229.31
  695.32 2229.52  703.92 2229.64  705.68 2229.66   708.4  2229.7  730.82    2230
  736.66 2230.14  738.15 2230.18  756.84    2231  767.35 2231.42  772.05 2231.63
  779.61    2232   780.7 2232.06  793.12    2233  804.32  2233.8  807.28    2234
  811.49 2234.29  818.52  2234.8  821.01    2235  825.83 2235.37  833.91    2236
   839.2 2236.51  840.98  2236.7  844.24    2237  852.19 2237.76  855.33    2238
  863.15  2238.9  864.27    2239  866.84 2239.27  873.62    2240  880.67 2240.71
  883.89    2241  894.15 2241.96   894.5    2242  895.02 2242.05  905.08    2243
   905.1    2243   905.4 2243.03  915.18    2244  918.63 2244.28  926.39    2245
  933.37 2245.75  936.01    2246  940.42 2246.46   946.8    2247  953.19 2247.59
  958.09    2248  962.74 2248.37  969.31 2248.99

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035     439    .027  651.93    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
           439  651.93           539.35  561.59  592.31             .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2234.46    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.69    Wt. n-Val.                            0.027      0.035
  W.S. Elev (ft)           2231.77    Reach Len. (ft)          539.35     561.59     592.31
  Crit W.S. (ft)           2232.63    Flow Area (sq ft)                   755.98     220.05
  E.G. Slope (ft/ft)      0.011575    Area (sq ft)                        755.98     220.05
  Q Total (cfs)           11934.00    Flow (cfs)                        10452.99    1481.01
  Top Width (ft)            334.21    Top Width (ft)                      211.23     122.98
  Vel Total (ft/s)           12.23    Avg. Vel. (ft/s)                    13.83       6.73
  Max Chl Dpth (ft)           4.13    Hydr. Depth (ft)                     3.58       1.79
  Conv. Total (cfs)       110924.6    Conv. (cfs)                        97158.9    13765.7
  Length Wtd. (ft)          563.88    Wetted Per. (ft)                    211.84     123.02
  Min Ch El (ft)           2227.64    Shear (lb/sq ft)                      2.58       1.29
  Alpha                       1.16    Stream Power (lb/ft s)    969.31      0.00       0.00
  Frctn Loss (ft)             5.60    Cum Volume (acre-ft)        0.05     20.71       1.54
  C & E Loss (ft)             0.01    Cum SA (acres)              0.24      3.36       0.84


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 2398

INPUT
Description:
Station Elevation Data    num=     311
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2233.43    3.35 2233.38    3.65 2233.37     8.4 2233.31   18.31 2233.18
    31.9    2233   91.82    2232   91.91    2232  110.55 2231.69  126.84  2231.4
  148.77    2231  159.86 2230.76  197.88    2230   222.1 2229.42  240.46    2229
  253.22 2228.64     357    2227  357.61 2223.87  359.79    2223  361.21 2222.54
  362.97    2222  372.92 2221.64  377.18 2221.64  378.15 2221.63  387.63  2221.5
   393.9 2221.42  396.84 2221.41  399.86  2221.4  434.09 2221.24  437.62 2221.22
  437.72 2221.22   437.8 2221.22  437.85 2221.22  440.88 2221.21  444.66 2221.19
  446.35 2221.18   447.8 2221.18  448.25 2221.18  448.63 2221.18  470.36 2221.16
  480.55 2221.06  484.91 2221.01  486.75    2221  489.81 2220.96  493.25 2220.94
  493.54 2220.94  493.97 2220.94  495.57 2220.96  496.89 2220.97  498.29    2221
   498.8 2221.31  499.96    2222  501.17 2222.62  501.73    2223  502.28 2223.37
  503.35    2224   504.4 2224.61  504.96    2225  506.04 2225.74  506.46    2226
  507.87 2226.93  507.96    2227  508.01 2227.04  509.91    2228  511.09 2228.83
  511.39    2229  511.64 2229.15     513    2230  513.26 2230.16  514.82    2231
  515.89  2231.8  516.31    2232  517.25 2232.58  518.34    2233  520.88 2233.87
  521.21    2234  521.45  2234.1  523.54    2235  524.22 2235.19  526.27    2236
   527.5 2236.49  528.23 2236.77  528.86    2237  530.84 2237.84  531.31    2238
  531.68 2238.16  533.99    2239  534.56 2239.25  536.23    2240  536.71 2240.21
  538.67    2241  539.21 2241.24   541.1    2242   541.7 2242.27  543.44    2243
  544.08 2243.29  545.76    2244  546.44  2244.3  548.07    2245  549.71  2245.7
  550.43    2246  552.22 2246.78  552.56    2247  554.41 2247.84  554.67    2248
  555.07 2248.19  556.84    2249  558.47 2249.82  558.79    2250  560.51 2250.86
  560.76    2251  560.99 2251.13     563    2252  563.57 2252.25  565.03    2253
  566.58 2253.79  566.98    2254  568.58 2254.82  568.93    2255  569.33 2255.18
  571.15    2256  572.49 2256.73  573.05    2257  573.54 2257.25  574.92    2258
  576.25 2258.75  576.75    2259   578.3 2259.77  578.75    2260   580.4 2260.81
  580.78    2261  581.15 2261.19  582.81    2262  583.08 2262.14  584.84    2263
  585.89 2263.58  586.82    2264     588 2264.48  589.16    2265  591.06 2265.83
  591.45    2266  592.91 2266.64  593.81    2267  593.88 2267.03  596.64    2268
   597.3 2268.27  599.13    2269  599.93 2269.32   601.6    2270  603.03 2270.62
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  603.97    2271  605.37  2271.6  606.36    2272  607.71 2272.59  608.75    2273
  609.79 2273.42  611.14    2274  612.43 2274.56  613.54    2275  614.79 2275.54
  615.94    2276  616.98 2276.43  618.43    2277  619.56 2277.51  620.82    2278
  621.93  2278.5   623.2    2279  623.28 2279.02  623.31 2279.02  623.41 2279.08
  624.28 2279.55  625.02    2280  626.55 2280.75  627.07    2281  627.69 2281.26
  629.07    2282   629.6 2282.22  631.03    2283  631.43  2283.2   632.9    2284
  633.23 2284.15  634.77    2285  634.98  2285.1  636.59    2286  636.68 2286.04
   637.9    2287  638.26 2287.18  639.62    2288  639.93 2288.15  641.32    2289
  641.75 2289.18  643.14    2290  643.68 2290.21  645.64    2291  646.93  2291.8
  647.25    2292  647.65  2292.3  648.96    2293  649.61 2293.43   650.8    2294
   651.1 2294.15  653.32    2295  653.61 2295.11  656.57    2296  659.86 2296.91
  660.16    2297  661.96 2297.54  663.49    2298  663.68 2298.06  665.95    2299
  669.05 2299.95   669.3    2300  672.92 2300.73  674.31    2301  677.67 2301.98
  677.69 2301.98   677.7 2301.98  677.79    2302  680.38 2302.74  680.83 2302.82
  682.27    2303  682.72 2303.06  682.87 2303.07  685.45 2303.14  685.97 2303.14
  689.46 2303.04  689.86 2303.02  690.03    2303  698.29  2302.4  702.21    2302
  711.19 2301.15  712.93    2301  714.64 2300.83  720.72    2300   725.4 2299.42
   728.8    2299  730.97 2298.75  739.52    2298  742.32 2297.59  745.75 2297.31
   747.1 2297.25  752.12 2297.09   752.4 2297.09  753.34    2297  754.04 2296.93
  754.44 2296.84  756.34 2296.46  757.97    2296  759.61 2295.58  761.69    2295
  762.27 2294.85  766.44    2294  767.62 2293.74  767.76 2293.69  768.04 2293.57
  768.16 2293.53   768.3 2293.47  768.96 2293.14  769.01 2293.12  769.04  2293.1
  769.23    2293  769.71 2292.74  770.34  2292.4  770.63 2292.22  770.99    2292
  771.65  2291.6  772.66    2291  772.87 2290.87   773.7 2290.38  774.29 2290.01
   774.3    2290  774.46 2289.91  775.91    2289  776.87 2288.39  777.51    2288
  778.27 2287.52  779.11    2287   779.7 2286.64  780.72    2286  781.15 2285.74
  782.34    2285  782.62 2284.82  783.95    2284  784.45 2283.78  784.77 2283.57
  785.76    2283  786.89 2282.57  788.06 2282.26  788.85 2282.01     789    2282
  789.35 2281.86  789.89 2281.61  791.55    2281   791.6 2280.98  792.28 2280.72
  793.92 2280.07  794.09    2280  796.37  2279.1  796.48 2279.06  796.63    2279
  796.77 2278.95  799.32    2278   801.9 2277.14  801.99 2277.12  802.36 2277.04
   802.5    2277  805.46 2276.28  806.57    2276  811.31    2275  811.32    2275
   815.3 2274.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035     357    .027   527.5    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
           357   527.5            335.32   268.3   235.1             .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2230.22    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               2.84    Wt. n-Val.                0.035      0.027
  W.S. Elev (ft)           2227.38    Reach Len. (ft)          335.32     268.30     235.10
  Crit W.S. (ft)           2227.38    Flow Area (sq ft)          4.55     881.60
  E.G. Slope (ft/ft)      0.006026    Area (sq ft)               4.55     881.60
  Q Total (cfs)           11934.00    Flow (cfs)                 4.96   11929.04
  Top Width (ft)            175.69    Top Width (ft)            24.01     151.68
  Vel Total (ft/s)           13.47    Avg. Vel. (ft/s)           1.09      13.53
  Max Chl Dpth (ft)           6.44    Hydr. Depth (ft)           0.19       5.81
  Conv. Total (cfs)       153731.9    Conv. (cfs)               63.8   153668.1
  Length Wtd. (ft)          268.31    Wetted Per. (ft)          24.01     156.41
  Min Ch El (ft)           2220.94    Shear (lb/sq ft)           0.07       2.12
  Alpha                       1.01    Stream Power (lb/ft s)   815.30       0.00       0.00
  Frctn Loss (ft)             1.67    Cum Volume (acre-ft)       0.02      10.15       0.04
  C & E Loss (ft)             0.01    Cum SA (acres)             0.09       1.02


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekPC       RS: 2129

INPUT
Description:
Station Elevation Data    num=     236
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2228.05     .05 2228.05    7.23    2228   21.32 2227.89   22.34 2227.89
   23.68 2227.87   33.34 2227.79   37.44 2227.75      44 2227.66   74.45    2227
   83.36 2226.79   86.32 2226.73   98.29 2226.47   110.2 2226.29  115.97 2226.23
  117.46 2226.23  121.09 2226.18  122.56 2226.18  126.72 2226.15  140.13 2226.12
   157.6 2226.04  159.69 2226.03  175.98    2226  186.31 2225.97   186.7 2225.97
  193.45 2225.98   197.8    2226   200.8 2226.01  200.92 2226.01  200.98 2226.01
  223.28 2226.13  225.42 2226.14  227.36 2226.15  228.06 2226.15  230.66 2226.18
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  231.51 2226.18  246.68 2226.35  256.18 2226.44  273.21 2226.63  277.01 2226.72
   280.1 2226.79  283.22 2226.82  286.05 2226.81  286.36 2226.81  288.09 2226.91
  288.25 2226.91  290.17    2227  291.54    2227  295.12    2227  297.86 2226.43
  299.99    2226  303.39 2225.31  303.82 2225.29  304.74 2225.27  305.62 2225.28
  306.22 2225.29  306.93 2225.32  307.73 2225.35   308.6 2225.36   309.5 2225.41
  310.42  2225.4  312.65 2225.52  313.05 2225.54  313.44 2225.55  314.59 2225.53
  315.69 2225.53  316.86 2225.55  320.17 2225.54  320.52 2225.55  320.64 2225.54
  320.98 2225.51   325.5 2225.27  330.51    2225  331.25 2224.98  332.26 2224.98
  333.27 2224.98   334.9    2225  337.39 2225.05  338.18    2225  361.27 2223.18
  362.32  2223.1  362.39 2223.09  362.53 2223.08  363.52    2223  368.83 2222.53
  370.83 2222.31  371.31 2222.28  371.72 2222.27  371.94 2222.27  373.32    2222
  377.25  2221.3   379.1    2221  379.41 2220.93  384.89    2220  389.03 2219.61
  390.91  2219.5  391.46 2219.47  391.95 2219.44  393.06 2219.39  393.81 2219.35
   400.4    2219  414.61 2218.79  416.22 2218.76  419.86  2218.7  425.82 2218.62
  429.53 2218.55  437.88 2218.37  446.83 2218.29  448.67 2218.26  450.08 2218.24
  450.22 2218.24  451.78 2218.22  453.08  2218.2  469.13 2218.02   471.4    2218
  471.73    2218  474.83    2218  479.62 2217.99  480.38 2217.99  487.27 2217.98
  493.57 2217.99  495.39 2217.99  498.63 2217.99  501.96 2217.99  503.44 2217.99
  504.06 2217.99  504.99 2217.99  506.86    2218   508.1    2218  508.99    2218
  511.55  2218.1  517.48    2219  518.52 2219.42   519.6    2220  520.73 2220.51
  521.78    2221  522.56 2221.48  522.87  2221.5  523.41 2221.52  527.19 2221.58
  531.45 2221.97  531.58 2221.97  532.02 2221.97  532.75 2221.97  535.54 2221.98
   535.6 2221.98  535.66 2221.98  536.96    2222   539.8 2222.71  541.14    2223
  544.64 2223.97  544.75    2224   544.8 2224.01  547.77  2224.8  548.51    2225
  550.01 2225.47  551.93    2226  553.87 2226.59  555.01    2227  555.31 2227.11
  557.38    2228  557.85 2228.25  559.49    2229  560.76 2229.47   561.7    2230
  564.04 2230.68  565.04    2231  567.46 2231.62  569.44    2232  569.84 2232.09
  570.15 2232.13  572.57 2232.53  574.33 2232.77   576.2    2233  580.07 2233.65
  582.26    2234  585.55 2234.63  587.83    2235     593 2235.94  593.24    2236
  594.43 2236.28  596.73    2237  597.81 2237.35  600.03    2238  601.79 2238.59
  603.06    2239  605.45 2239.81  606.13    2240  608.83 2240.93  609.06    2241
  609.27 2241.06   610.9 2241.64  612.06 2241.99  612.08 2241.99  612.11    2242
  612.86 2242.17  616.19 2242.81  617.13    2243  621.15 2243.72  622.68    2244
  627.02 2244.75  628.48    2245  632.19 2245.68  634.24    2246  639.83 2246.87
  640.04  2246.9  640.56    2247  643.48 2247.51  645.93    2248  646.92 2248.19
  650.48 2248.72  651.75 2248.93  653.55    2249  653.56    2249  655.26    2249
  655.27    2249  656.64 2248.95  656.78 2248.93  657.09 2248.89  664.54 2248.22
  666.37    2248  670.09 2247.59  674.75    2247  676.22 2246.78  677.77 2246.62
  684.21 2246.15  685.58 2246.05  687.03    2246  707.36 2245.04  707.39 2245.04
  707.44 2245.05  707.54 2245.05   707.6 2245.06  707.74 2245.08  710.35 2245.55
  710.77 2245.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   325.5    .027  547.77    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         325.5  547.77           355.08  276.67  159.01            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2227.72    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               4.54    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2223.18    Reach Len. (ft)          276.67     276.67     276.67
  Crit W.S. (ft)           2224.56    Flow Area (sq ft)                   698.11
  E.G. Slope (ft/ft)      0.016018    Area (sq ft)                        698.11
  Q Total (cfs)           11934.00    Flow (cfs)                        11934.00
  Top Width (ft)            180.47    Top Width (ft)                      180.47
  Vel Total (ft/s)           17.09    Avg. Vel. (ft/s)                     17.09
  Max Chl Dpth (ft)           5.20    Hydr. Depth (ft)                     3.87
  Conv. Total (cfs)         94292.7    Conv. (cfs)                       94292.7
  Length Wtd. (ft)           276.67    Wetted Per. (ft)                    181.57
  Min Ch El (ft)           2217.98    Shear (lb/sq ft)                      3.85
  Alpha                       1.00    Stream Power (lb/ft s)    710.77      0.00       0.00
  Frctn Loss (ft)             2.48    Cum Volume (acre-ft)        0.00      5.28       0.04
  C & E Loss (ft)             0.02    Cum SA (acres)


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1853

INPUT
Description:
Station Elevation Data    num=     127
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0  2227.21    3.51  2227.33    9.96  2227.47   10.04  2227.47   23.87  2227.46
   44.85  2227.19   45.94  2227.18    53.4    2227   54.15  2226.99   55.74  2226.97
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   64.97 2226.82   83.88 2226.63   84.62 2226.62   89.86 2226.56   93.46  2226.5
  123.19    2226   137.6  2224.2     272  2223.5  282.69 2223.45  289.65 2223.34
  301.82 2223.14  309.97    2223  319.11 2222.81     325 2222.69  343.18 2222.28
  350.59 2222.11  355.34    2222  360.28 2221.87  369.67 2221.62  384.52 2221.23
  393.77    2221   417.2 2220.61  420.74 2220.57  426.18 2220.47  440.79  2220.3
  448.43  2220.2  464.19    2220  466.82 2219.85  473.91 2219.41  480.53    2219
  487.76 2218.37  490.73    2218  490.74    2218  490.75    2218  492.23    2218
  492.78    2218  493.05    2218  495.76 2217.99  496.25 2217.99  497.49 2217.99
  498.42 2217.99  499.73 2217.99  500.35 2217.99  502.09 2217.99  503.36 2217.99
  503.93 2217.99  505.81 2217.99  511.24 2217.86     516 2217.79  520.53 2217.73
  529.63 2217.58  536.47 2217.47  544.56  2217.3   560.6    2217  560.71    2217
  560.82    2217  577.69 2216.77   579.6 2216.74   587.3 2216.58  606.43 2216.13
  611.87 2216.01  612.34 2216.01   613.4    2216  627.99 2215.97  630.16 2215.97
  640.26 2215.77  658.21 2215.47  659.22 2215.46  662.34 2215.44  665.72 2215.42
  669.08 2215.39   690.6 2215.18  694.47 2215.23     703 2215.39  703.33 2215.38
  703.56 2215.37  703.73 2215.37  703.83 2215.37  703.89 2215.37  703.92 2215.37
  703.93 2215.38  706.01    2216  708.77 2216.88  709.16 2216.99  709.41 2216.99
  709.44 2216.99  709.71    2217     710    2217  710.01    2217  710.14 2217.01
  710.55 2217.02  731.21 2217.74  737.97 2217.77  748.27 2217.81  755.48 2217.84
  762.17 2217.83  762.26 2217.83  769.55  2217.8  769.64  2217.8  782.92 2217.87
   792.5 2217.98  795.36 2217.99  798.96    2218  801.98 2218.12  807.13 2218.31
  813.71 2218.54  818.19 2218.72  825.58    2219  839.44  2219.9  841.17    2220
  842.37 2220.11  853.72    2221  858.23 2221.38   866.1    2222  871.44 2222.52
  877.36    2223   884.7  2223.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  473.91    .027  818.19    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        473.91  818.19           274.34  232.77  181.95            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2223.04    Element                 Left OB    Channel   Right OB
  Vel Head (ft)               3.22    Wt. n-Val.                0.035      0.027     0.035
  W.S. Elev (ft)           2219.82    Reach Len. (ft)          274.34     232.77    181.95
  Crit W.S. (ft)           2220.80    Flow Area (sq ft)          1.37     966.01     12.32
  E.G. Slope (ft/ft)      0.017386    Area (sq ft)               1.37     966.01     12.32
  Q Total (cfs)           13988.00    Flow (cfs)                 2.67   13935.55     49.77
  Top Width (ft)            370.98    Top Width (ft)             6.64     344.28     20.05
  Vel Total (ft/s)           14.28    Avg. Vel. (ft/s)           1.95      14.43      4.04
  Max Chl Dpth (ft)           4.64    Hydr. Depth (ft)           0.21       2.81      0.61
  Conv. Total (cfs)       106084.8    Conv. (cfs)               20.3   105687.0      377.5
  Length Wtd. (ft)          228.08    Wetted Per. (ft)           6.65     344.64     20.09
  Min Ch El (ft)           2215.18    Shear (lb/sq ft)           0.22       3.04      0.67
  Alpha                       1.02    Stream Power (lb/ft s)   884.70       0.00      0.00
  Frctn Loss (ft)             4.63    Cum Volume (acre-ft)       0.09      30.16      5.31
  C & E Loss (ft)             0.04    Cum SA (acres)             0.09       5.09      3.38


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: During supercritical flow calculations a junction was encountered.  During standard step calculations the program used
         the stream with the greatest momentum to balance the energy equation.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1620

INPUT
Description:
Station Elevation Data    num=     119
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2236     107  2228.6     156    2228     334    2226     347    2221
     467  2220.6  476.83  2219.5  647.96  2219.5  649.35 2217.96  649.63 2217.94
  649.68 2217.94  649.74 2217.94  654.15    2217  654.85 2216.74  656.78    2216
   657.5 2215.47  658.19    2215  659.19 2214.31  659.65    2214  660.61 2213.35
  660.77  2213.3   662.6    2213  671.48 2212.99  676.31 2212.94   683.1 2212.88
  690.67 2212.82  692.64  2212.8  695.19 2212.77  698.67 2212.72  705.07 2212.66
  707.02 2212.63  711.52 2212.58  713.45 2212.55  729.44 2212.57  748.02 2212.64
  749.26 2212.61  749.42 2212.61  749.51 2212.62  749.82    2213  750.01  2213.3
  750.32    2214  750.63 2214.61  750.91    2215   751.3 2215.65  751.52    2216
  797.59 2216.04   799.6 2216.04  804.33 2216.04  805.95 2216.04     812 2216.03
  816.44 2216.03  840.79 2216.12  841.22 2216.12  842.54 2216.11  853.55    2216
  856.49    2216  861.53    2216  875.96 2215.99  890.61 2215.99  907.21 2215.99
  920.74 2215.99   935.3    2216  936.83    2216  937.53    2216  938.75    2216
   939.3    2216  939.55    2216  939.75    2216  941.02    2216  941.45    2216
  946.22 2216.17  948.27 2216.24  954.53 2216.49  962.98 2216.74  964.91 2216.82
  965.87 2216.85  966.56 2216.87  970.15 2216.95  972.08    2217  980.87 2217.34
  988.35 2217.61  999.64    2218 1002.42 2218.17 1004.48  2218.3 1009.29 2218.57
 1014.77 2218.87 1016.24 2218.94 1017.47    2219 1024.28 2219.38 1025.85 2219.47
 1026.71 2219.54 1027.59 2219.62 1031.47    2220 1037.31 2220.91 1038.08    2221
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 1039.04 2221.16 1044.02    2222  1048.5 2222.74 1050.25    2223 1051.22 2223.14
 1055.01  2223.7 1055.62 2223.78 1057.26    2224  1058.1 2224.12 1064.47    2225
 1067.98 2225.51 1071.06    2226 1072.09 2226.14 1077.01    2227 1080.07 2227.52
  1082.8    2228  1087.7 2228.91 1088.22    2229 1088.83 2229.09 1088.92  2229.1
 1089.03  2229.1 1089.86 2229.16 1090.61  2229.2 1090.99 2229.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  647.96    .027  861.53    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        647.96  861.53             217.9  196.72  178.34            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2221.12    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               1.86    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2219.26    Reach Len. (ft)          217.90     196.72    178.34
  Crit W.S. (ft)           2219.26    Flow Area (sq ft)                   978.35    406.37
  E.G. Slope (ft/ft)      0.006109    Area (sq ft)                        978.35    406.37
  Q Total (cfs)           13988.00    Flow (cfs)                        11484.56   2503.44
  Top Width (ft)            373.93    Top Width (ft)                      213.35    160.58
  Vel Total (ft/s)           10.10    Avg. Vel. (ft/s)                    11.74      6.16
  Max Chl Dpth (ft)           6.71    Hydr. Depth (ft)                     4.59      2.53
  Conv. Total (cfs)       178964.7    Conv. (cfs)                       146935.3   32029.4
  Length Wtd. (ft)          193.26    Wetted Per. (ft)                    217.01    160.65
  Min Ch El (ft)           2212.55    Shear (lb/sq ft)                     1.72      0.96
  Alpha                       1.18    Stream Power (lb/ft s)   1090.99     0.00      0.00
  Frctn Loss (ft)             1.08    Cum Volume (acre-ft)        0.08    24.97      4.43
  C & E Loss (ft)             0.01    Cum SA (acres)              0.07     3.60      3.01


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1423

INPUT
Description:
Station Elevation Data    num=     150
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0    2227     537  2221.3     563  2218.7     661  2218.7  667.07  2217.6
   760.8  2217.5   770.6    2214  771.41    2214  772.33 2214.07  772.42 2214.08
  772.51 2214.08  772.59 2214.09  776.44 2214.23  778.33  2214.3  783.92    2214
  784.79    2214  784.94    2214  785.03    2214  785.27 2213.78  785.65 2213.28
  785.82    2213  786.06 2212.72  786.46    2212  786.74 2211.73  787.15    2211
  788.25 2210.08  788.34    2210   788.6    2210  788.99    2210  789.79    2210
  790.21    2210  790.67    2210  790.79    2210  791.22 2210.05  791.56 2210.03
  791.73 2210.03  793.85  2210.1  793.96 2210.09  799.37 2210.15  820.86 2210.37
  822.26 2210.39  833.21 2210.53  835.41 2210.56  837.07 2210.58  838.87  2210.6
  869.12    2211  869.97 2211.49  871.04    2212  872.61 2212.86  872.85    2213
  873.13 2213.17  874.75    2214  876.67 2214.98   876.7    2215  876.93 2215.12
  878.72    2216  878.78    2216  880.34    2216  881.94    2216  883.65    2216
   885.4    2216  891.18    2216  893.22 2215.78  895.81 2215.42  898.53    2215
  904.43 2214.04  904.67    2214   904.7    2214  904.71    2214  905.34    2214
  922.39 2213.97     927 2213.97  927.72 2213.98  928.34 2213.98  929.16 2213.98
  929.95 2213.98  934.29 2213.98  941.16 2213.98  942.22 2213.99  944.26    2214
  946.95 2214.16  951.29 2214.41  953.49 2214.49  955.69 2214.62  970.94    2215
  971.98    2215  972.04    2215  972.31    2215  974.55    2215  974.73    2215
  977.48 2215.05  977.76 2215.05 1003.37 2215.17 1016.69 2215.16 1030.59 2215.14
 1031.73 2215.13 1038.03 2215.11 1038.83 2215.11 1044.06  2215.1 1050.64 2215.08
 1054.97 2215.07 1059.21 2215.09 1066.24 2215.11 1097.27 2215.09  1131.8 2215.01
 1131.85 2215.01 1133.49    2215 1136.42    2215 1138.75    2215 1138.91    2215
 1139.07    2215 1140.99    2215 1141.15    2215 1143.12 2215.03 1147.83 2215.09
 1148.45  2215.1 1149.03 2215.11 1149.65 2215.12 1150.51 2215.14 1165.81 2215.41
 1192.45 2215.84  1198.8    2216 1201.45  2216.1 1207.88 2216.31 1214.54 2216.49
 1215.91 2216.54  1216.6 2216.57 1223.06    2217 1228.96 2217.36 1239.22    2218
 1243.85 2218.41 1248.77    2219 1253.86 2219.53 1258.13    2220  1266.3 2220.92
 1266.97    2221 1267.91 2221.11 1276.43    2222 1285.07 2222.85 1286.15    2223
 1288.01 2223.31 1291.81    2224 1294.84 2224.48 1297.78    2225  1302.1 2225.74
 1303.67    2226 1305.14 2226.27 1309.47    2227 1310.21 2227.14 1311.92 2227.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035   760.8    .027  946.95    .035
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         760.8  946.95           229.84  230.59  229.56            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2219.60    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.70    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2216.91    Reach Len. (ft)          229.84     230.59     229.56
  Crit W.S. (ft)           2217.67    Flow Area (sq ft)                   778.88     457.34
  E.G. Slope (ft/ft)      0.010318    Area (sq ft)                        778.88     457.34
  Q Total (cfs)           13988.00    Flow (cfs)                       11217.88    2770.12
  Top Width (ft)            459.20    Top Width (ft)                      184.49     274.71
  Vel Total (ft/s)           11.32    Avg. Vel. (ft/s)                    14.40       6.06
  Max Chl Dpth (ft)           6.91    Hydr. Depth (ft)                     4.22       1.66
  Conv. Total (cfs)       137707.0    Conv. (cfs)                      110436.1    27270.9
  Length Wtd. (ft)          230.46    Wetted Per. (ft)                    188.35     274.76
  Min Ch El (ft)           2210.00    Shear (lb/sq ft)                     2.66       1.07
  Alpha                       1.36    Stream Power (lb/ft s)   1311.92     0.00       0.00
  Frctn Loss (ft)             1.51    Cum Volume (acre-ft)        0.08    21.00       2.67
  C & E Loss (ft)             0.01    Cum SA (acres)              0.07     2.70       2.12


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoMC     RS: 1193

INPUT
Description:
Station Elevation Data    num=     126
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2225.5     530  2219.7     540  2216.5     653  2216.5  654.33  2215.5
  760.08    2215  761.98 2213.03   769.4    2213  770.01    2213  770.06  2212.9
  770.76    2212  770.83 2211.93  771.23 2211.42  771.42 2211.29  771.44    2211
     772 2210.03  772.01    2210  772.47 2209.71  772.62    2209  772.94 2208.84
  773.14    2208  773.69 2207.31  774.16 2207.31  777.63 2207.35  782.39 2207.42
  783.91 2207.47  785.79 2207.52  786.51 2207.53  786.97 2207.54  787.49 2207.55
  793.08 2207.65   801.2  2207.8  801.79 2207.81  802.23 2207.82  802.55 2207.83
  803.18 2207.84  806.03 2207.87  808.05 2207.89  808.37 2207.88  809.06 2207.88
  814.98 2207.86  820.59 2207.84  832.69 2207.94  839.77    2208  852.23 2208.12
  852.59 2208.12   868.1  2208.1  872.34 2208.38  875.44 2208.41   877.5 2208.48
  878.53 2208.55  879.01 2208.61  882.01    2209     888 2209.03  889.16 2209.03
  918.41 2209.89     921 2209.96   921.1 2209.95  921.59    2210  923.23 2210.77
  923.75    2211  923.97  2211.1  924.54 2211.36  925.96    2212  927.25 2212.61
  928.12    2213  928.42    2213  929.07    2213  929.42    2213  930.57    2213
   931.3    2213  932.22    2213  933.42    2213  936.94    2213  940.86    2213
  941.02    2213  946.09 2212.59  953.42    2212  955.27    2212  959.18 2211.98
  961.25 2211.97  965.19 2211.96  965.86 2211.96  966.62 2211.95  969.99 2211.94
  970.11 2211.94  970.34 2211.94   982.1 2211.98  987.55 2211.99  988.98 2211.99
  991.59    2212  993.53 2212.06  996.98 2212.18 1009.52 2212.65 1012.25 2212.76
 1017.77 2212.99 1018.07 2212.99 1018.38    2213 1018.54    2213  1018.7    2213
 1018.78    2213 1019.87 2213.03 1020.37 2213.03 1022.89 2213.09 1043.14 2213.43
 1053.11 2213.55 1056.55 2213.57 1088.56 2213.79 1091.42 2213.83 1094.53 2213.86
 1095.76 2213.88 1102.97    2214 1126.63 2214.33  1178.1    2215 1200.29 2215.73
 1207.24    2216 1211.43 2216.16 1234.51    2217 1246.25 2217.42 1260.93    2218
    1282 2218.67 1291.85    2219 1294.04 2219.11 1314.88    2220 1321.84 2220.47
 1324.28 2220.63

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  760.08    .027  923.97    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        760.08  923.97           203.99  222.89  250.21            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2217.42    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               3.46    Wt. n-Val.                            0.027     0.035
  W.S. Elev (ft)           2213.96    Reach Len. (ft)          203.99     222.89     250.21
  Crit W.S. (ft)           2215.08    Flow Area (sq ft)                   862.75     188.00
  E.G. Slope (ft/ft)      0.008670    Area (sq ft)                        862.75     188.00
  Q Total (cfs)           13988.00    Flow (cfs)                       13214.35     773.65
  Top Width (ft)            339.41    Top Width (ft)                      162.89     176.52
  Vel Total (ft/s)           13.31    Avg. Vel. (ft/s)                    15.32       4.12
  Max Chl Dpth (ft)           6.65    Hydr. Depth (ft)                     5.30       1.07
  Conv. Total (cfs)       150229.4    Conv. (cfs)                      141920.5     8308.9
  Length Wtd. (ft)          223.88    Wetted Per. (ft)                    166.95     177.00
  Min Ch El (ft)           2207.31    Shear (lb/sq ft)                     2.80       0.57
  Alpha                       1.26    Stream Power (lb/ft s)   1324.28     0.00       0.00
  Frctn Loss (ft)             2.18    Cum Volume (acre-ft)        0.08    16.65       0.96
```

C & E Loss (ft)	0.01	Cum SA (acres)	0.07	1.78	0.93	

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreekSoMC RS: 970

INPUT
Description:
Station Elevation Data num= 126

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2222	391	2218.6	400	2215	514	2215	533.45	2213.5
614	2213.2	622.29	2211.04	627.35	2211.04	627.7	2211.04	627.95	2211.04
628.6	2211.04	628.84	2211.04	630.4	2211.04	633.49	2211.04	636.67	2211.05
636.97	2211.05	637.51	2211.05	639.33	2211.05	642.8	2211.04	643.24	2211.04
644.29	2211.04	645.18	2211.04	646.35	2211.04	650.33	2211	668.35	2210.48
681.59	2210	681.88	2209.27	681.96	2209	682.09	2208.57	682.44	2208
682.65	2207.44	682.86	2207	683.57	2206.28	683.73	2206	684.27	2205.19
685.14	2205.13	687.82	2205.03	689.21	2205	690.29	2205	690.81	2205
691.87	2204.99	692.78	2204.99	706.62	2204.98	710.97	2204.97	715.91	2204.98
722.7	2204.98	730.04	2204.99	733.54	2205	741.62	2205.34	746.33	2205.51
748.63	2205.59	751.19	2205.66	754.28	2205.75	756.69	2205.79	757.79	2205.84
759.04	2205.91	759.64	2205.93	760.59	2205.98	761.06	2206	761.1	2206
761.15	2206	762.96	2206.23	769.18	2207	770.15	2207.02	773	2207.04
774.86	2207.06	776.14	2207.05	779.66	2207	781.14	2206.98	783.55	2206.97
790.13	2206.89	792.45	2206.87	794.45	2206.85	796.96	2206.88	807.21	2207
807.53	2207.24	808.56	2208	808.91	2208.29	810.16	2209	810.92	2209.62
811.44	2210	812.19	2210.78	812.51	2211	814.86	2211	818.47	2211.01
821.25	2211.01	823.15	2211	824.66	2211	828.5	2210.49	831.43	2210
831.83	2209.98	832.13	2209.97	832.32	2209.97	832.43	2209.97	833.31	2210
833.42	2210	837.19	2210.42	838.95	2210.44	840.08	2210.46	842.09	2210.52
844.85	2210.62	852.51	2211	871.3	2211.45	882.58	2211.71	883.71	2211.73
893.66	2212	903.78	2212.26	934.02	2213	946.33	2213.35	969.14	2214
987.3	2214.55	1003.82	2215	1026.74	2215.68	1037.55	2216	1041.97	2216.16
1052.11	2216.48	1067.21	2217	1074.41	2217.25	1093.2	2218	1110.93	2218.75
1117.97	2219	1136.66	2219.51	1143.93	2219.72	1148.9	2219.85	1154.17	2220
1177.79	2220.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.035	633.49	.027	833.31	.035

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
633.49	833.31	189.81	208.47	233.11	.01	.03

CROSS SECTION OUTPUT Profile #PF 1

			Left OB	Channel	Right OB
E.G. Elev (ft)	2215.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	3.09	Wt. n-Val.	0.035	0.027	0.035
W.S. Elev (ft)	2212.39	Reach Len. (ft)	189.81	208.47	233.11
Crit W.S. (ft)	2213.02	Flow Area (sq ft)	18.53	954.25	74.66
E.G. Slope (ft/ft)	0.008610	Area (sq ft)	18.53	954.25	74.66
Q Total (cfs)	13988.00	Flow (cfs)	78.77	13617.63	291.60
Top Width (ft)	291.75	Top Width (ft)	16.36	199.82	75.57
Vel Total (ft/s)	13.35	Avg. Vel. (ft/s)	4.25	14.27	3.91
Max Chl Dpth (ft)	7.41	Hydr. Depth (ft)	1.13	4.78	0.99
Conv. Total (cfs)	150750.2	Conv. (cfs)	848.9	146758.7	3142.6
Length Wtd. (ft)	208.67	Wetted Per. (ft)	16.53	204.27	75.62
Min Ch El (ft)	2204.97	Shear (lb/sq ft)	0.60	2.51	0.53
Alpha	1.11	Stream Power (lb/ft s)	1177.79	0.00	0.00
Frctn Loss (ft)	1.93	Cum Volume (acre-ft)	0.04	12.00	0.21
C & E Loss (ft)	0.01	Cum SA (acres)	0.04	0.85	0.20

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: SmithCreek
REACH: SmithCreekSoMC RS: 761

INPUT
Description:
Station Elevation Data num= 117

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	2220.7	360	2217	366	2213.8	480	2213.8	503.47	2211.12
510.99	2211.03	511.31	2211.02	511.66	2211.02	512.8	2211	512.83	2211

```
  513.01    2211  513.19    2211  518.09 2210.91  568.02 2210.34  591.01 2210.05
  591.28 2210.05  594.75    2210  605.73 2209.64  607.39 2209.59  610.54 2209.49
  612.25 2209.43  614.56 2209.35  626.96    2209  634.43 2208.48  635.37 2208.42
  636.63 2208.35  641.19 2208.14  641.44 2208.13  643.48    2208  643.62    2208
   643.7    2208  643.75    2208  643.78    2208  644.62 2207.73  645.28 2207.49
  646.91    2207  649.53  2206.4  650.62 2206.15  651.22    2206  651.26    2206
  653.26 2205.18  653.52 2205.07  653.69    2205  654.17 2204.82  656.32    2204
  656.46 2203.94  657.17  2203.7  658.31 2203.28  659.14    2203  659.51 2202.98
  660.44 2202.93  660.55 2202.93  660.67 2202.93  666.78 2202.59  680.24 2202.45
  690.62 2202.45  693.48 2202.49  695.73 2202.51  712.13  2202.7  712.35  2202.7
  715.58 2202.69  718.81 2202.69  722.07 2202.69  723.43 2202.68   725.1 2202.68
  746.42 2202.61  763.85 2202.87  765.33  2202.9  767.19 2202.91   775.9 2202.96
   785.6    2203   786.2 2203.66   786.4    2204  787.12  2204.7  787.37    2205
  787.75 2205.39  788.23    2206   788.6 2206.42  788.97    2207  789.03 2207.13
  789.69    2208  789.78 2208.17   790.4    2209  792.86 2209.49  795.18    2210
  797.46 2210.07  803.64 2210.26  820.54 2210.78  827.02    2211  831.52 2211.11
  858.15    2212  889.42    2213  889.45    2213  889.48    2213  900.79  2213.3
  924.52    2214  939.95 2214.46  956.51    2215  969.85 2215.44  984.93    2216
 1000.77 2216.58 1007.84  2216.8 1013.77    2217 1023.22 2217.32 1042.74    2218
 1042.95    2218 1043.58 2218.02 1071.38    2219  1074.1 2219.09 1077.97 2219.21
 1092.95 2219.71 1096.65 2219.84 1100.97    2220 1102.92 2220.07 1127.36    2221
 1139.32 2221.46 1150.39 2221.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  591.01    .027  803.64    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        591.01  803.64           294.47  311.58  322.16            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2213.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               4.85    Wt. n-Val.                            0.027
  W.S. Elev (ft)           2208.48    Reach Len. (ft)           311.58     311.58     311.58
  Crit W.S. (ft)           2210.11    Flow Area (sq ft)                    791.14
  E.G. Slope (ft/ft)      0.012155    Area (sq ft)                         791.14
  Q Total (cfs)           13988.00    Flow (cfs)                         13988.00
  Top Width (ft)            155.54    Top Width (ft)                       155.54
  Vel Total (ft/s)           17.68    Avg. Vel. (ft/s)                      17.68
  Max Chl Dpth (ft)           6.03    Hydr. Depth (ft)                       5.09
  Conv. Total (cfs)       126876.4    Conv. (cfs)                        126876.4
  Length Wtd. (ft)          311.58    Wetted Per. (ft)                     159.04
  Min Ch El (ft)           2202.45    Shear (lb/sq ft)                       3.77
  Alpha                       1.00    Stream Power (lb/ft s)   1150.39       0.00       0.00
  Frctn Loss (ft)             2.12    Cum Volume (acre-ft)                   7.83       0.01
  C & E Loss (ft)             0.02    Cum SA (acres)


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoGC     RS: 450

INPUT
Description:
Station Elevation Data    num=     104
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2212.3     295  2209.6     305    2211     418  2211.3  437.55    2210
     485    2210     500    2210  514.81 2205.05  514.96    2205  515.02 2204.96
  516.99    2204  517.11 2203.94  519.04    2203  519.17 2202.93  521.07    2202
  521.24 2201.91   523.1    2201  524.95  2200.1   525.1    2200   526.6 2199.92
  527.77 2199.84  532.33 2199.52  539.73    2199  540.15    2199  540.18    2199
  541.76    2199  542.02    2199  544.23    2199  544.88    2199  546.92    2199
  547.58    2199  576.81 2198.98  579.68 2198.98   579.7 2198.98  579.79 2198.98
  581.78 2198.98  582.03 2198.98  585.09 2198.98  603.35 2198.88  611.15 2198.82
   611.7 2198.82  611.87 2198.82  615.08 2198.77  621.36 2198.66  621.76 2198.64
  621.93 2198.63  622.05 2198.63  622.15 2198.63  622.26 2198.63  622.35 2198.62
  631.99 2198.66  643.06 2198.72  643.08 2198.72  643.31    2199  643.52 2199.28
   643.9    2200  644.12 2200.29  644.49    2201   644.8 2201.77  644.98    2202
  645.05  2202.8  645.42 2202.88  645.49    2203  645.79 2203.37  645.87    2204
  646.45 2204.86   646.5    2205  646.86  2205.8  646.92    2206  646.94 2206.07
  646.97    2207  647.36 2207.54  647.93    2208  651.57 2208.49  654.45 2208.85
  656.42    2209  659.45 2209.11   660.1 2209.13  682.95    2210   697.7 2210.55
  710.28    2211  732.43 2211.71  743.61    2212  765.14 2212.69  773.72    2213
  779.81 2213.29  798.49    2214   811.6 2214.62   821.8    2215  831.14 2215.37
  832.65 2215.42  846.98    2216  869.04  2216.9  871.31    2217  875.94  2217.2
  882.94 2217.46  893.88 2217.88   896.9    2218   921.1 2218.98  921.46    2219
  924.18 2219.14  941.95    2220  948.26 2220.29  950.26 2220.39

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035     500    .027  659.45    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
           500  659.45           188.12  190.67  192.49            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2211.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               2.27    Wt. n-Val.                          0.027     0.035
  W.S. Elev (ft)           2209.58    Reach Len. (ft)          188.12     190.67    192.49
  Crit W.S. (ft)           2207.36    Flow Area (sq ft)                  1397.47      2.95
  E.G. Slope (ft/ft)      0.002823    Area (sq ft)                       1397.47      2.95
  Q Total (cfs)           16894.00    Flow (cfs)                        16891.45      2.55
  Top Width (ft)             170.64    Top Width (ft)                     158.19     12.45
  Vel Total (ft/s)            12.06    Avg. Vel. (ft/s)                    12.09      0.86
  Max Chl Dpth (ft)           10.96    Hydr. Depth (ft)                     8.83      0.24
  Conv. Total (cfs)       317967.8    Conv. (cfs)                       317919.8      48.0
  Length Wtd. (ft)            190.67    Wetted Per. (ft)                   166.27     12.46
  Min Ch El (ft)           2198.62    Shear (lb/sq ft)                     1.48      0.04
  Alpha                       1.00    Stream Power (lb/ft s)    950.26     0.00      0.00
  Frctn Loss (ft)             0.74    Cum Volume (acre-ft)                 9.76      0.01
  C & E Loss (ft)             0.02    Cum SA (acres)                       1.28      0.03


Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoGC     RS: 259

INPUT
Description:
Station Elevation Data    num=      94
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  2210.6     244    2208     252    2209     368  2209.7  387.94 2208.44
  390.11 2208.39  406.26    2208  424.74 2207.46     478 2207.46   482.5 2205.02
   482.7    2205  482.72 2204.98  483.78    2204  483.81 2203.97  484.92    2203
  485.24 2202.72  485.96    2202  486.43 2201.54  486.98    2201  487.98 2200.11
  488.11    2200  488.33 2199.77  491.61 2198.74  494.53 2197.76  509.31    2197
  514.04 2196.94  515.75 2196.93  519.22 2196.69  523.35 2196.52  541.88 2196.63
  545.11 2196.66  566.54 2196.79  567.43  2196.8  581.34    2197   581.7 2197.22
  582.86    2198   583.8 2198.95  583.89    2199  583.99 2199.06  585.32    2200
  585.42 2200.06  586.75    2201  587.21 2201.34  588.14    2202  588.75 2202.53
   589.3    2203  590.58  2203.9  590.68    2204  591.01 2204.23  591.44 2204.54
  592.22    2205  592.91 2205.02  595.75 2205.43  598.33  2205.8  599.51  2205.9
  599.91    2206  601.89 2206.62  603.26    2207  608.45  2207.5  613.48    2208
  613.71    2208   613.8    2208  616.72 2208.07  617.84 2208.09  648.97 2208.68
  652.64  2208.8  657.69 2208.93  660.52    2209  666.68 2209.19  674.27 2209.43
  688.77    2210  696.32 2210.31  712.96    2211  743.48 2211.95   743.6 2211.95
   743.7 2211.96  745.19    2212  754.47 2212.31  760.75 2212.51  774.94    2213
  783.35 2213.33  801.06    2214  812.23 2214.47  822.62    2215  833.23 2215.57
   841.8    2216  853.26 2216.43  868.87    2217  871.15 2217.09  895.27    2218
  901.98 2218.27  920.36    2219  932.99 2219.52  944.01 2219.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035     478    .027  617.84    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
           478  617.84           204.28  208.22  211.49            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2211.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               4.17    Wt. n-Val.                          0.027
  W.S. Elev (ft)           2206.92    Reach Len. (ft)          204.28     208.22    211.49
  Crit W.S. (ft)           2206.92    Flow Area (sq ft)                  1030.46
  E.G. Slope (ft/ft)      0.005599    Area (sq ft)                       1030.46
  Q Total (cfs)           16894.00    Flow (cfs)                        16894.00
  Top Width (ft)             123.97    Top Width (ft)                     123.97
  Vel Total (ft/s)            16.39    Avg. Vel. (ft/s)                    16.39
  Max Chl Dpth (ft)           10.40    Hydr. Depth (ft)                     8.31
  Conv. Total (cfs)       225767.0    Conv. (cfs)                       225767.0
  Length Wtd. (ft)            208.22    Wetted Per. (ft)                   129.73
  Min Ch El (ft)           2196.52    Shear (lb/sq ft)                     2.78
  Alpha                       1.00    Stream Power (lb/ft s)    944.01     0.00      0.00
  Frctn Loss (ft)             1.21    Cum Volume (acre-ft)                 4.44
  C & E Loss (ft)             0.03    Cum SA (acres)                       0.66


Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
```

```
Warning: The velocity head has changed by more than 0.5 ft (0.15 m).  This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate
the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The
program
         defaulted to critical depth.

CROSS SECTION


RIVER: SmithCreek
REACH: SmithCreekSoGC     RS: 51

INPUT
Description:
Station Elevation Data    num=     238
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0 2209.27     181    2206     188  2206.3     308  2206.7  310.96    2207
  328.92 2206.11  331.14    2206  332.41 2205.96  361.67    2205     408    2205
  417.21  2203.6  437.24 2203.13  442.54    2203  448.19 2202.41  452.27    2202
  460.27 2201.02  460.45    2201  460.56 2200.98  461.14 2200.88  466.38    2200
  469.22  2199.6  471.46 2199.29   473.5    2199  473.57    2199  473.88 2198.64
  474.09 2198.31  474.75    2198  475.69 2197.11  475.86    2197  476.03 2196.89
     477    2196  477.19 2195.88  477.95    2195  481.48  2194.1  481.79    2194
  482.85 2193.99  483.91 2193.99  486.09 2193.98  491.83 2193.96  494.14 2193.95
  496.53 2193.94  499.35 2193.93  500.06 2193.92  502.03 2193.92  503.15 2193.92
  503.58 2193.93  506.65 2193.94  507.55 2193.95  514.36 2193.97  518.75    2194
   524.6 2194.27  531.08 2194.93   542.3 2195.66  544.31 2196.66  545.51 2197.36
  545.63 2197.39  545.85 2197.41  546.47  2197.4  547.14 2197.36  547.45 2197.36
  549.76 2197.26  550.14 2197.24  550.56  2197.2  551.72 2197.18  552.41 2197.18
  552.73 2197.22  553.94 2197.12  554.43 2197.15  555.38 2197.23  556.09 2197.27
  556.92 2197.31   558.6 2197.44  563.76  2197.7  564.97 2197.83  566.25 2197.92
   566.4 2197.93  567.66    2198  568.38 2198.05  569.19 2198.12   570.4 2198.37
  571.48 2198.55  573.64    2199  573.96 2199.05  578.52    2200  582.04 2200.77
  583.18    2201  584.43 2201.27  584.86 2201.37  585.18 2201.43  585.94 2201.55
  586.22  2201.6  586.46 2201.64  588.81    2202  590.36 2202.15  593.22 2202.47
  594.76 2202.62  595.39 2202.68  595.71  2202.7  597.12 2202.86  597.95 2202.91
  598.62    2203  598.63    2203  598.84    2203  598.99    2203  599.14 2203.01
  599.44 2203.01  599.67 2203.01  599.97 2203.02  600.23 2203.02  600.53 2203.02
  601.33 2203.01  601.38 2203.01  601.89 2203.02  602.59 2203.01  609.56 2203.91
  609.98 2203.94  610.05 2203.95  610.46    2204  613.13 2204.96  613.24    2205
  613.41 2205.06  615.87    2206  616.75 2206.33  617.67 2206.69   618.5    2207
  634.35 2207.91  635.86    2208  635.96 2208.02  635.99 2208.03  638.41 2208.57
  638.75 2208.62  639.21 2208.64  640.05 2208.78  640.84 2208.78  642.19 2208.81
  645.07 2208.97  645.49    2209  648.17    2209  652.18    2209   658.4    2209
  660.65    2209  660.71    2209  666.56 2209.46  667.78 2209.57  669.17 2209.55
  671.07 2209.69  674.19 2209.84  678.29 2209.94  679.27 2209.94  683.16 2209.96
  683.27 2209.96  687.74 2209.89   687.8 2209.89  689.04 2209.98  689.35 2209.98
  708.09 2209.92  715.43 2209.96  715.96 2209.96  717.42 2209.99  717.69    2210
   718.4 2210.04  722.31 2210.24  735.97    2211  740.55 2211.23  741.03 2211.26
  741.82  2211.3  746.14 2211.54  747.73 2211.62  749.91 2211.74  750.42 2211.76
  750.84 2211.78  754.13    2212  759.61 2212.24   762.9 2212.36  772.82 2212.71
  775.76 2212.81  776.99 2212.83   780.1 2212.94  780.31 2212.94  782.68    2213
  783.37    2213  784.37 2213.04  790.56 2213.19  790.79  2213.2  792.55 2213.25
  794.21  2213.3  794.67 2213.31  800.08  2213.5  805.12 2213.87  806.17 2213.87
   807.5 2213.88  807.94 2213.88  813.93 2213.97  815.67 2213.99  815.83 2213.99
  816.77 2213.99  817.57    2214   824.1 2214.14  824.77 2214.17  825.06 2214.18
  825.32 2214.18  826.23 2214.21  829.71 2214.33  845.33    2215  845.63    2215
  846.09    2215   850.3 2215.16  852.65 2215.28  853.49  2215.3  854.93 2215.32
  858.17 2215.48   868.1    2216  868.11    2216  868.12    2216     871 2216.27
   871.4 2216.29   874.1 2216.43  883.08 2216.95   883.7    2217  883.86 2217.01
  883.88 2217.01  883.92 2217.02   885.9 2217.18  886.66 2217.28  895.98    2218
  903.53 2218.77  903.72 2218.81  903.91 2218.83  904.29 2218.88  904.45  2218.9
  905.46    2219     909 2219.22   912.3 2219.38  923.22 2219.92  924.93    2220
  925.07    2220  932.22 2220.22  933.01 2220.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0    .035  417.21    .027  616.75    .035

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        417.21  616.75           193.25   50.83  108.25            .01      .03

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           2209.27    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               6.45    Wt. n-Val.                           0.027
  W.S. Elev (ft)           2202.83    Reach Len. (ft)
  Crit W.S. (ft)           2204.83    Flow Area (sq ft)                   829.10
  E.G. Slope (ft/ft)      0.014729    Area (sq ft)                        829.10
  Q Total (cfs)           16894.00    Flow (cfs)                       16894.00
  Top Width (ft)            152.62    Top Width (ft)                      152.62
  Vel Total (ft/s)           20.38    Avg. Vel. (ft/s)                    20.38
  Max Chl Dpth (ft)           8.91    Hydr. Depth (ft)                     5.43
  Conv. Total (cfs)       139201.9    Conv. (cfs)                      139201.9
```

Length Wtd. (ft)		Wetted Per. (ft)		155.59	
Min Ch El (ft)	2193.92	Shear (lb/sq ft)		4.90	
Alpha	1.00	Stream Power (lb/ft s)	933.01	0.00	0.00
Frctn Loss (ft)	1.80	Cum Volume (acre-ft)			
C & E Loss (ft)	0.02	Cum SA (acres)			

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the
need for additional cross sections.

SUMMARY OF MANNING'S N VALUES

River:GilmanCreek

Reach	River Sta.	n1	n2	n3
GilmanCreek	3039	.035	.027	.035
GilmanCreek	2935	.035	.027	.035
GilmanCreek	2789	.035	.027	.035
GilmanCreek	2669	.035	.027	.035
GilmanCreek	2560	.035	.027	.035
GilmanCreek	2444	.035	.027	.035
GilmanCreek	2365	.035	.027	.035
GilmanCreek	2254	.035	.027	.035
GilmanCreek	2162	.035	.027	.035
GilmanCreek	1961	.035	.027	.035
GilmanCreek	1816	.035	.027	.035
GilmanCreek	1650	.035	.027	.035
GilmanCreek	1536	.035	.027	.035
GilmanCreek	1359	.035	.027	.035
GilmanCreek	1153	.035	.027	.035
GilmanCreek	1034	.035	.027	.035
GilmanCreek	924	.014	.014	.014
GilmanCreek	844	.014	.014	.014
GilmanCreek	843	Culvert		
GilmanCreek	231	.035	.027	.035

River:MontgomeryCreek

Reach	River Sta.	n1	n2	n3
MontgomeryCreek	5379	.035	.027	.035
MontgomeryCreek	5111	.035	.027	.035
MontgomeryCreek	5013	.035	.027	.035
MontgomeryCreek	280	.035	.027	.035

River:PershingCreek

Reach	River Sta.	n1	n2	n3
PershingCreek	9459	.035	.027	.035
PershingCreek	9327	.035	.027	.035
PershingCreek	9195	.035	.027	.035
PershingCreek	9097	.035	.027	.035
PershingCreek	8995	.035	.027	.035
PershingCreek	8885	.035	.027	.035
PershingCreek	8802	.035	.027	.035
PershingCreek	8664	.035	.027	.035
PershingCreek	8445	.035	.027	.035
PershingCreek	8282	.035	.027	.035
PershingCreek	8141	.035	.027	.035
PershingCreek	8054	.035	.027	.035
PershingCreek	7859	.035	.027	.035
PershingCreek	7773	.035	.027	.035
PershingCreek	7640	.035	.027	.035
PershingCreek	7452	.035	.027	.035
PershingCreek	7239	.035	.027	.035
PershingCreek	7124	.035	.027	.035
PershingCreek	7039	.035	.027	.035
PershingCreek	6943	.035	.027	.035
PershingCreek	6767	.035	.027	.035
PershingCreek	6618	.035	.027	.035
PershingCreek	6460	.035	.027	.035
PershingCreek	6360	.035	.027	.035
PershingCreek	6197	.035	.027	.035
PershingCreek	5984	.035	.027	.035
PershingCreek	5849	.035	.027	.035
PershingCreek	5627	.035	.027	.035
PershingCreek	5367	.035	.027	.035

PershingCreek	5124	.035	.027	.035
PershingCreek	4932	.035	.027	.035
PershingCreek	4748	.035	.027	.035
PershingCreek	4522	.035	.027	.035
PershingCreek	4197	.035	.027	.035
PershingCreek	3968	.035	.027	.035
PershingCreek	3737	.035	.027	.035
PershingCreek	3486	.035	.027	.035
PershingCreek	3217	.035	.027	.035
PershingCreek	3036	.035	.027	.035
PershingCreek	2784	.035	.027	.035
PershingCreek	2537	.035	.027	.035
PershingCreek	2258	.035	.027	.035
PershingCreek	2065	.035	.027	.035
PershingCreek	1936	.035	.027	.035
PershingCreek	1633	.035	.027	.035

River:SmithCreek

Reach	River Sta.	n1	n2	n3
SmithCreek	6844	.035	.027	.035
SmithCreek	5985	.035	.027	.035
SmithCreek	5370	.035	.027	.035
SmithCreek	4676	.035	.027	.035
SmithCreek	4543	.035	.027	.035
SmithCreekPC	4220	.035	.027	.035
SmithCreekPC	3817	.035	.027	.035
SmithCreekPC	3563	.035	.027	.035
SmithCreekPC	2959	.035	.027	.035
SmithCreekPC	2398	.035	.027	.035
SmithCreekPC	2129	.035	.027	.035
SmithCreekSoMC	1853	.035	.027	.035
SmithCreekSoMC	1620	.035	.027	.035
SmithCreekSoMC	1423	.035	.027	.035
SmithCreekSoMC	1193	.035	.027	.035
SmithCreekSoMC	970	.035	.027	.035
SmithCreekSoMC	761	.035	.027	.035
SmithCreekSoGC	450	.035	.027	.035
SmithCreekSoGC	259	.035	.027	.035
SmithCreekSoGC	51	.035	.027	.035

SUMMARY OF REACH LENGTHS

River: GilmanCreek

Reach	River Sta.	Left	Channel	Right
GilmanCreek	3039	102	103.99	102.89
GilmanCreek	2935	149.78	146.06	147.39
GilmanCreek	2789	119.52	119.49	122.63
GilmanCreek	2669	107.48	108.95	103.44
GilmanCreek	2560	118.77	116.3	120.85
GilmanCreek	2444	61.49	79.26	140.11
GilmanCreek	2365	95.42	111.04	107.38
GilmanCreek	2254	90.36	91.28	88.48
GilmanCreek	2162	164.55	201.48	186.31
GilmanCreek	1961	159.91	145.1	155.03
GilmanCreek	1816	178.14	166.2	165.36
GilmanCreek	1650	126.82	113.39	113.92
GilmanCreek	1536	177.36	177.35	174.63
GilmanCreek	1359	205.95	205.68	217.03
GilmanCreek	1153	122.47	118.96	118.07
GilmanCreek	1034	111.19	109.8	110.16
GilmanCreek	924	68	68	68
GilmanCreek	844	600	600	600
GilmanCreek	843	Culvert		
GilmanCreek	231	143.14	230.99	149.66

River: MontgomeryCreek

Reach	River Sta.	Left	Channel	Right
MontgomeryCreek	5379	267.76	268.27	285.61
MontgomeryCreek	5111	96.38	98.05	120.8
MontgomeryCreek	5013	5939.331	4733.371	5577.64
MontgomeryCreek	280	903.84	279.52	128.67

River: PershingCreek

Reach	River Sta.	Left	Channel	Right

PershingCreek	9459	131.32	131.94	141.31
PershingCreek	9327	113.25	132.02	142.78
PershingCreek	9195	124.63	98	78.37
PershingCreek	9097	83.07	102.6	113.11
PershingCreek	8995	89.82	109.8	114.29
PershingCreek	8885	125.76	83.4	58.85
PershingCreek	8802	162.96	137.24	119.47
PershingCreek	8664	214.51	219.28	210.76
PershingCreek	8445	181.29	163.06	161.38
PershingCreek	8282	139.91	141.41	148.28
PershingCreek	8141	70.64	86.82	138.25
PershingCreek	8054	176.87	194.57	192.45
PershingCreek	7859	109.04	86.59	78.04
PershingCreek	7773	135.51	132.63	130.61
PershingCreek	7640	193.74	188.2	189.78
PershingCreek	7452	228.63	212.82	211.04
PershingCreek	7239	148.76	114.65	92.9
PershingCreek	7124	114.88	85.27	69.44
PershingCreek	7039	75.9	96.23	114.41
PershingCreek	6943	129.75	175.78	188.75
PershingCreek	6767	134.16	149.31	139.29
PershingCreek	6618	162.47	157.94	147.76
PershingCreek	6460	86.47	99.49	110.1
PershingCreek	6360	144.83	163.77	174.36
PershingCreek	6197	252.67	212.84	183
PershingCreek	5984	253.07	134.59	99.74
PershingCreek	5849	216.27	222.02	224.5
PershingCreek	5627	307.06	260.47	252.46
PershingCreek	5367	259.76	243.1	272.64
PershingCreek	5124	237.06	191.78	209.09
PershingCreek	4932	148.59	183.34	226.28
PershingCreek	4748	155.93	226.05	265.04
PershingCreek	4522	320.48	325.63	340.99
PershingCreek	4197	277.01	228.98	257.87
PershingCreek	3968	220.71	230.4	246.6
PershingCreek	3737	257.8	251.56	255.24
PershingCreek	3486	269.22	268.71	263.4
PershingCreek	3217	233.02	181.23	177.51
PershingCreek	3036	251.94	251.59	260.05
PershingCreek	2784	220.92	246.89	270.53
PershingCreek	2537	268.32	279.46	294.49
PershingCreek	2258	185.55	193.08	230.62
PershingCreek	2065	174.64	128.62	81.74
PershingCreek	1936	297.04	303.42	249.93
PershingCreek	1633	1676.59	1632.82	1689.16

River: SmithCreek

Reach	River Sta.	Left	Channel	Right
SmithCreek	6844	881.37	858.67	856.69
SmithCreek	5985	633.62	615.42	613.71
SmithCreek	5370	678.93	694.24	769.17
SmithCreek	4676	133	133	133
SmithCreek	4543	304.54	322.42	558.08
SmithCreekPC	4220	358.3	403.57	452.29
SmithCreekPC	3817	253.8	253.43	243.57
SmithCreekPC	3563	529.2	603.78	660.08
SmithCreekPC	2959	539.35	561.59	592.31
SmithCreekPC	2398	335.32	268.3	235.1
SmithCreekPC	2129	355.08	276.67	159.01
SmithCreekSoMC	1853	274.34	232.77	181.95
SmithCreekSoMC	1620	217.9	196.72	178.34
SmithCreekSoMC	1423	229.84	230.59	229.56
SmithCreekSoMC	1193	203.99	222.89	250.21
SmithCreekSoMC	970	189.81	208.47	233.11
SmithCreekSoMC	761	294.47	311.58	322.16
SmithCreekSoGC	450	188.12	190.67	192.49
SmithCreekSoGC	259	204.28	208.22	211.49
SmithCreekSoGC	51	193.25	50.83	108.25

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: GilmanCreek

Reach	River Sta.	Contr.	Expan.
GilmanCreek	3039	.01	.03
GilmanCreek	2935	.01	.03
GilmanCreek	2789	.01	.03
GilmanCreek	2669	.01	.03
GilmanCreek	2560	.01	.03

GilmanCreek	2444	.01	.03
GilmanCreek	2365	.01	.03
GilmanCreek	2254	.01	.03
GilmanCreek	2162	.01	.03
GilmanCreek	1961	.01	.03
GilmanCreek	1816	.01	.03
GilmanCreek	1650	.01	.03
GilmanCreek	1536	.01	.03
GilmanCreek	1359	.01	.03
GilmanCreek	1153	.01	.03
GilmanCreek	1034	.01	.03
GilmanCreek	924	.01	.03
GilmanCreek	844	.01	.03
GilmanCreek	843	Culvert	
GilmanCreek	231	.01	.03

River: MontgomeryCreek

Reach	River Sta.	Contr.	Expan.
MontgomeryCreek	5379	.01	.03
MontgomeryCreek	5111	.01	.03
MontgomeryCreek	5013	.01	.03
MontgomeryCreek	280	.01	.03

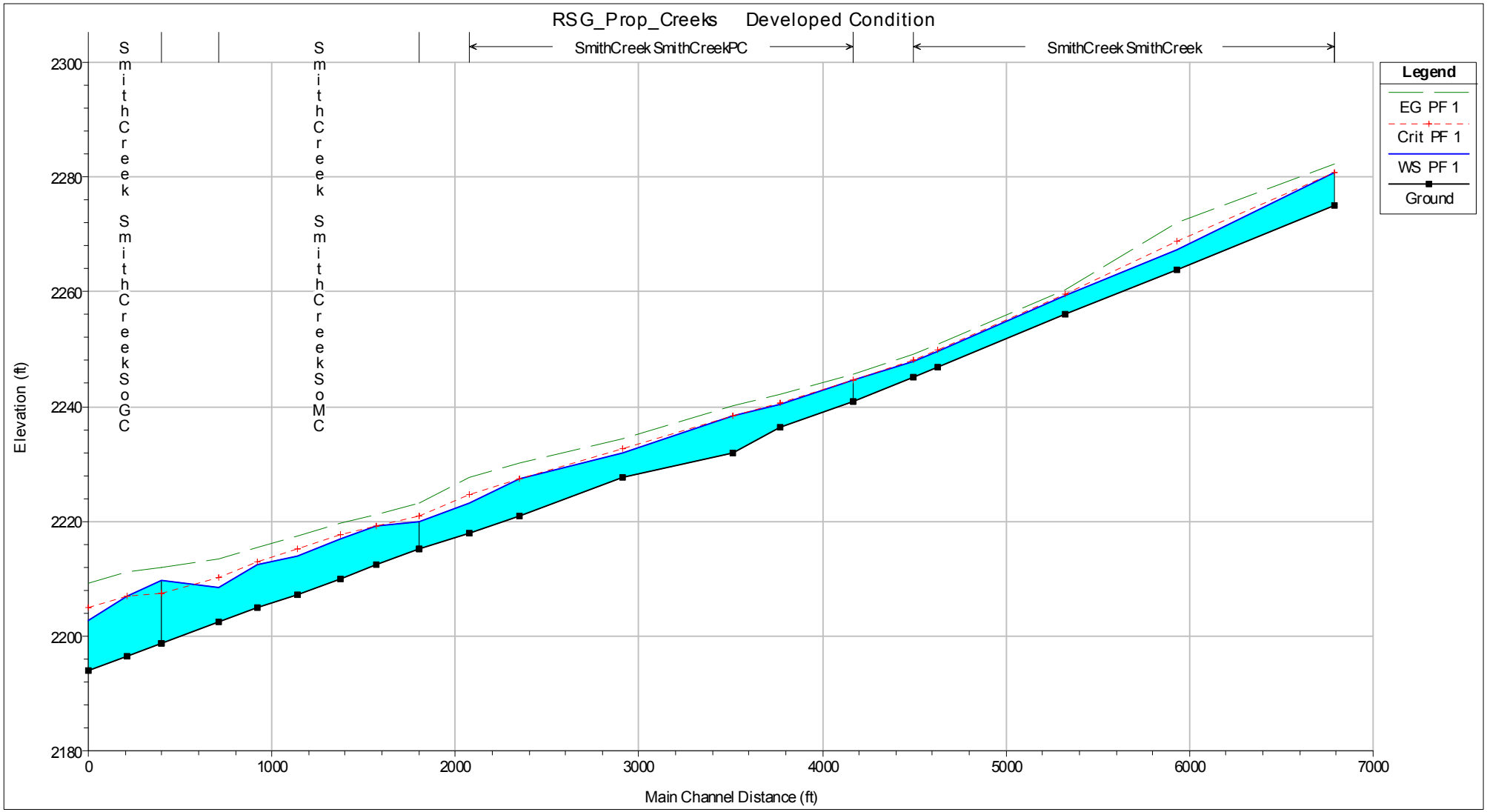
River: PershingCreek

Reach	River Sta.	Contr.	Expan.
PershingCreek	9459	.01	.03
PershingCreek	9327	.01	.03
PershingCreek	9195	.01	.03
PershingCreek	9097	.01	.03
PershingCreek	8995	.01	.03
PershingCreek	8885	.01	.03
PershingCreek	8802	.01	.03
PershingCreek	8664	.01	.03
PershingCreek	8445	.01	.03
PershingCreek	8282	.01	.03
PershingCreek	8141	.01	.03
PershingCreek	8054	.01	.03
PershingCreek	7859	.01	.03
PershingCreek	7773	.01	.03
PershingCreek	7640	.01	.03
PershingCreek	7452	.01	.03
PershingCreek	7239	.01	.03
PershingCreek	7124	.01	.03
PershingCreek	7039	.01	.03
PershingCreek	6943	.01	.03
PershingCreek	6767	.01	.03
PershingCreek	6618	.01	.03
PershingCreek	6460	.01	.03
PershingCreek	6360	.01	.03
PershingCreek	6197	.01	.03
PershingCreek	5984	.01	.03
PershingCreek	5849	.01	.03
PershingCreek	5627	.01	.03
PershingCreek	5367	.01	.03
PershingCreek	5124	.01	.03
PershingCreek	4932	.01	.03
PershingCreek	4748	.01	.03
PershingCreek	4522	.01	.03
PershingCreek	4197	.01	.03
PershingCreek	3968	.01	.03
PershingCreek	3737	.01	.03
PershingCreek	3486	.01	.03
PershingCreek	3217	.01	.03
PershingCreek	3036	.01	.03
PershingCreek	2784	.01	.03
PershingCreek	2537	.01	.03
PershingCreek	2258	.01	.03
PershingCreek	2065	.01	.03
PershingCreek	1936	.01	.03
PershingCreek	1633	.01	.03

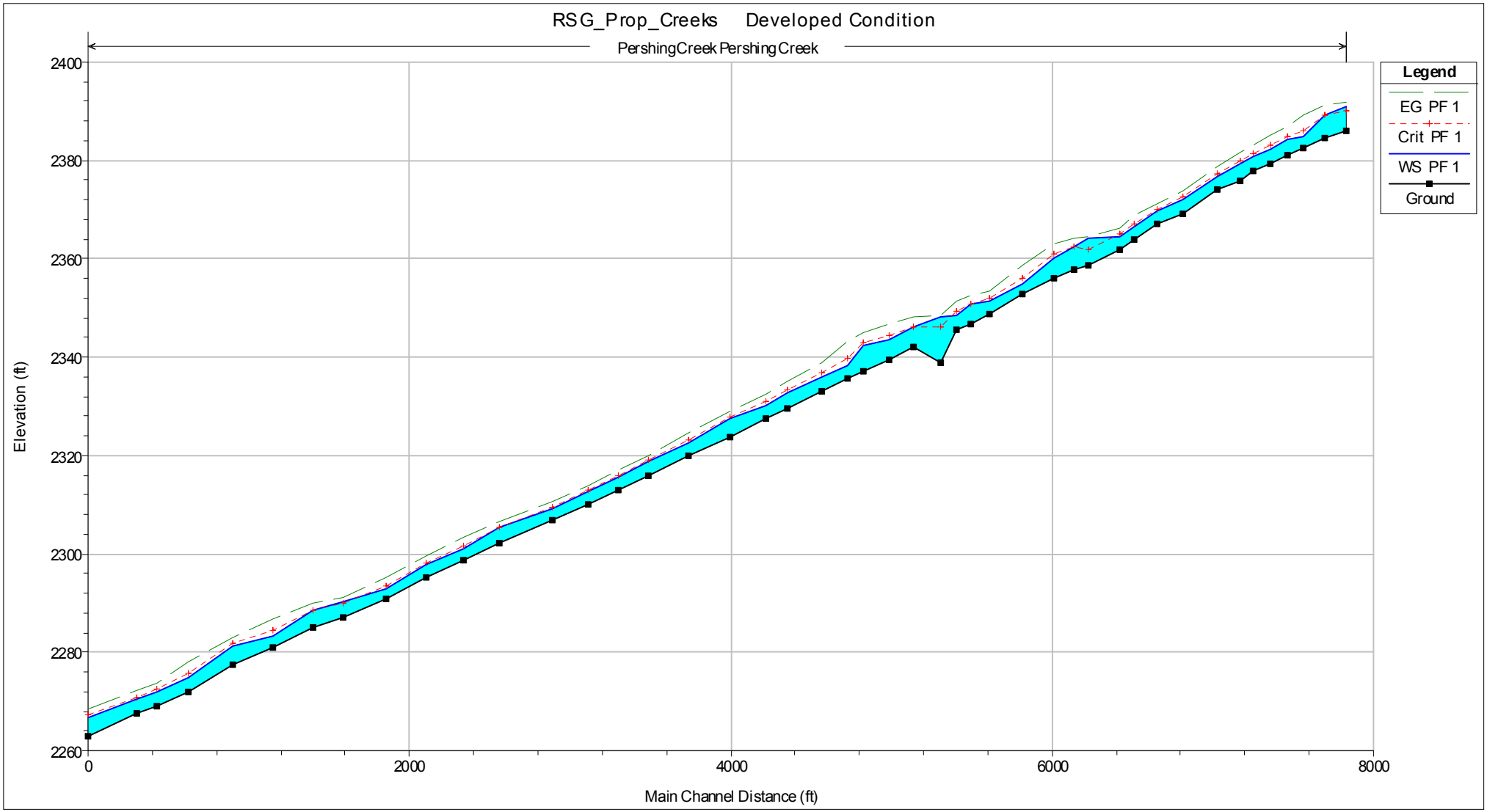
River: SmithCreek

Reach	River Sta.	Contr.	Expan.
SmithCreek	6844	.01	.03
SmithCreek	5985	.01	.03
SmithCreek	5370	.01	.03
SmithCreek	4676	.01	.03
SmithCreek	4543	.01	.03

SmithCreekPC	4220	.01	.03
SmithCreekPC	3817	.01	.03
SmithCreekPC	3563	.01	.03
SmithCreekPC	2959	.01	.03
SmithCreekPC	2398	.01	.03
SmithCreekPC	2129	.01	.03
SmithCreekSoMC	1853	.01	.03
SmithCreekSoMC	1620	.01	.03
SmithCreekSoMC	1423	.01	.03
SmithCreekSoMC	1193	.01	.03
SmithCreekSoMC	970	.01	.03
SmithCreekSoMC	761	.01	.03
SmithCreekSoGC	450	.01	.03
SmithCreekSoGC	259	.01	.03
SmithCreekSoGC	51	.01	.03

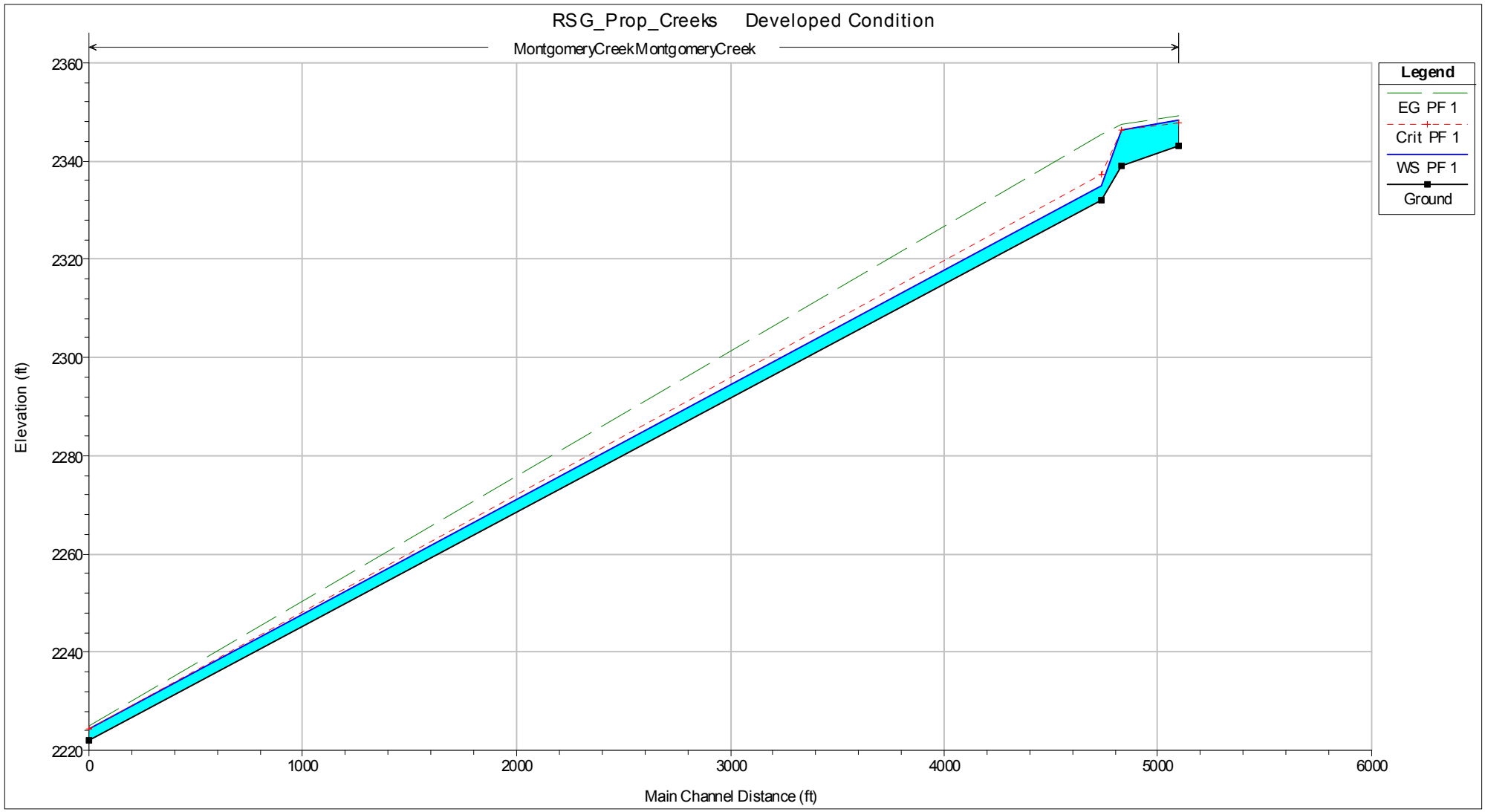

RSG_Prop_Creeks Developed Condition
SmithCreek SmithCreekPC
SmithCreek SmithCreek
SmithCreek SmithCreekSoGC
SmithCreek SmithCreekSoMC
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Elevation (ft)
Main Channel Distance (ft)
2300
2280
2260
2240
2220
2200
2180
0
1000
2000
3000
4000
5000
6000
7000

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SmithCreek	SmithCreek	6844	PF 1	8712	2275	2280.87	2280.87	2282.21	0.006443	10.17	1060.95	417.7	0.95
SmithCreek	SmithCreek	5985	PF 1	8712	2263.91	2267.38	2268.79	2272.08	0.027913	17.58	503.34	188.7	1.9
SmithCreek	SmithCreek	5370	PF 1	8712	2256	2259.26	2259.48	2260.45	0.01339	9.2	1020.16	593.43	1.23
SmithCreek	SmithCreek	4676	PF 1	8712	2246.75	2249.63	2249.89	2250.94	0.013898	9.22	945.61	558.73	1.25
SmithCreek	SmithCreek	4543	PF 1	8712	2244.99	2247.74	2248.03	2249.06	0.014341	9.46	979.69	636.97	1.27
SmithCreek	SmithCreekPC	4220	PF 1	11959	2240.91	2244.57	2244.62	2245.66	0.008636	9.04	1510.13	721.11	1.04
SmithCreek	SmithCreekPC	3817	PF 1	11959	2236.29	2240.42	2240.7	2242.14	0.00935	11.63	1249.99	485.68	1.14
SmithCreek	SmithCreekPC	3563	PF 1	11959	2232	2238.41	2238.43	2240.08	0.007355	10.38	1151.63	351.38	1.01
SmithCreek	SmithCreekPC	2959	PF 1	11959	2227.64	2231.75	2232.64	2234.48	0.011842	13.94	969.83	333.77	1.3
SmithCreek	SmithCreekPC	2398	PF 1	11959	2220.94	2227.37	2227.37	2230.23	0.006077	13.58	884.83	175.2	0.99
SmithCreek	SmithCreekPC	2129	PF 1	11959	2217.98	2223.19	2224.56	2227.72	0.01595	17.08	700.18	180.66	1.53
SmithCreek	SmithCreekSoMC	1853	PF 1	14016	2215.18	2219.83	2220.8	2223.05	0.017405	14.44	980.61	371.05	1.52
SmithCreek	SmithCreekSoMC	1620	PF 1	14016	2212.55	2219.26	2219.26	2221.13	0.006109	11.75	1386.64	374.03	0.97
SmithCreek	SmithCreekSoMC	1423	PF 1	14016	2210	2216.91	2217.68	2219.61	0.010324	14.41	1237.79	459.26	1.24
SmithCreek	SmithCreekSoMC	1193	PF 1	14016	2207.31	2213.97	2215.09	2217.42	0.008661	15.32	1053.08	339.83	1.17
SmithCreek	SmithCreekSoMC	970	PF 1	14016	2204.97	2212.39	2213.02	2215.48	0.008606	14.28	1049.15	292.01	1.15
SmithCreek	SmithCreekSoMC	761	PF 1	14016	2202.45	2208.49	2210.12	2213.34	0.012143	17.68	792.63	155.68	1.38
SmithCreek	SmithCreekSoGC	450	PF 1	16928	2198.62	2209.6	2207.38	2211.87	0.002813	12.08	1404.14	171.39	0.72
SmithCreek	SmithCreekSoGC	259	PF 1	16928	2196.52	2206.9	2206.9	2211.11	0.005667	16.47	1027.59	123.84	1.01
SmithCreek	SmithCreekSoGC	51	PF 1	16928	2193.92	2202.83	2204.85	2209.29	0.014742	20.39	830.14	152.75	1.54

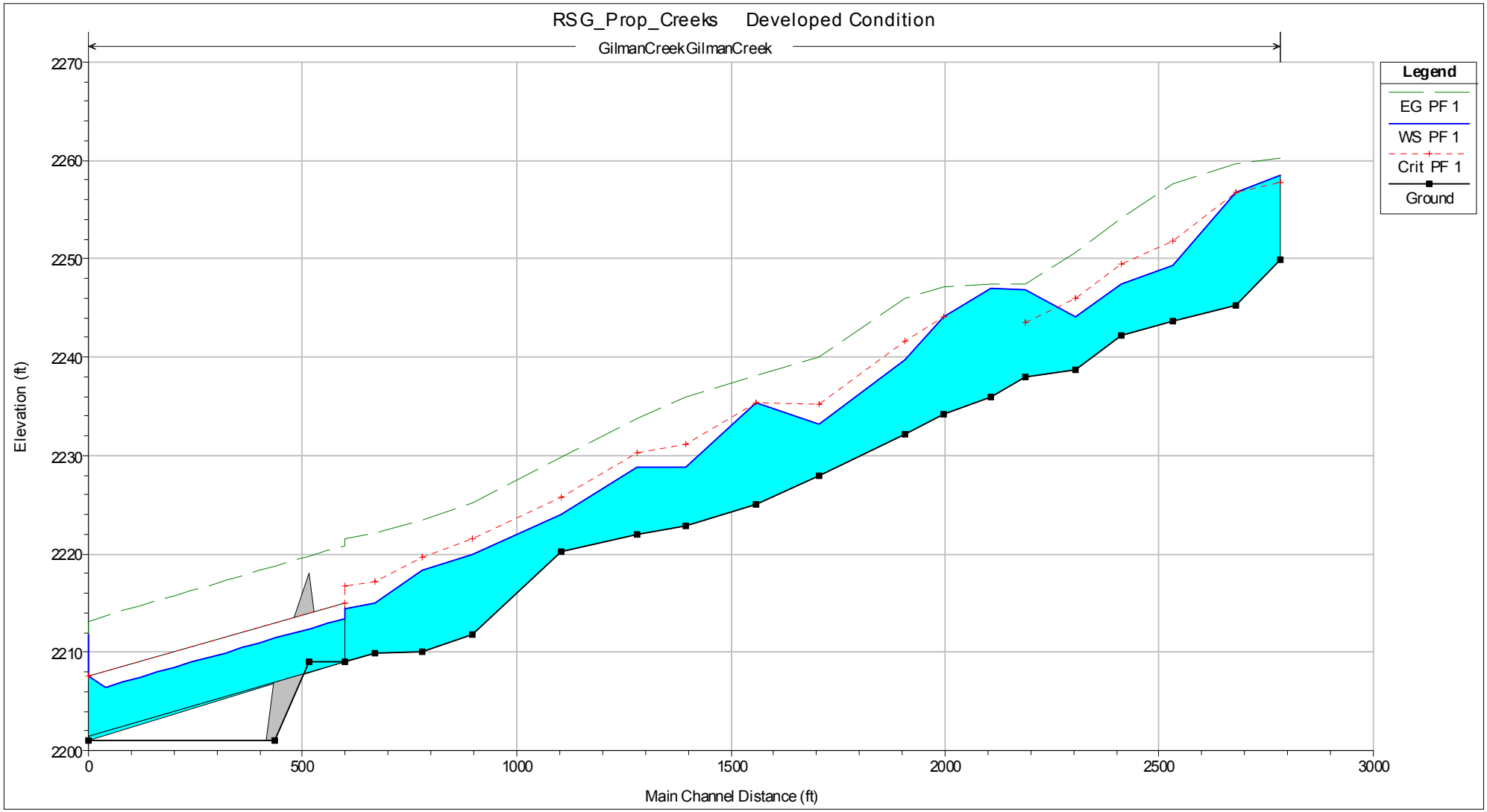

RSG_Prop_Creeks Developed Condition
PershingCreek PershingCreek
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Elevation (ft)
2400
2380
2360
2340
2320
2300
2280
2260
0
2000
4000
6000
8000
Main Channel Distance (ft)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
PershingCreek	PershingCreek	9459	PF 1	3528	2385.92	2391.01	2390.18	2391.97	0.003407	7.88	451.26	119.07	0.71
PershingCreek	PershingCreek	9327	PF 1	3528	2384.59	2389.32	2389.32	2391.32	0.007307	11.37	310.39	78.27	1.01
PershingCreek	PershingCreek	9195	PF 1	3528	2382.52	2384.76	2386	2389.22	0.056013	17.19	215.47	160.17	2.46
PershingCreek	PershingCreek	9097	PF 1	3528	2380.99	2384.25	2384.96	2386.77	0.013716	12.74	276.91	97.8	1.33
PershingCreek	PershingCreek	8995	PF 1	3528	2379.27	2382.26	2383.1	2385.09	0.019837	13.48	261.72	113.67	1.56
PershingCreek	PershingCreek	8885	PF 1	3528	2377.9	2380.76	2381.39	2383.16	0.015451	12.42	283.99	114.37	1.39
PershingCreek	PershingCreek	8802	PF 1	3528	2375.98	2379.23	2379.93	2381.69	0.020236	12.6	280.02	136.6	1.55
PershingCreek	PershingCreek	8664	PF 1	3528	2374	2376.58	2377.24	2378.88	0.020745	12.18	289.69	150.89	1.55
PershingCreek	PershingCreek	8445	PF 1	3528	2369.11	2372.1	2372.6	2373.86	0.025207	10.65	331.3	245.92	1.62
PershingCreek	PershingCreek	8282	PF 1	3528	2366.99	2369.74	2369.97	2371.16	0.011655	9.56	369.02	179.22	1.17
PershingCreek	PershingCreek	8141	PF 1	3528	2363.99	2366.47	2367.17	2368.73	0.02745	12.11	294.56	197.02	1.72
PershingCreek	PershingCreek	8054	PF 1	3528	2361.98	2364.38	2364.94	2366.3	0.028186	11.14	316.98	239.24	1.7
PershingCreek	PershingCreek	7859	PF 1	3528	2358.81	2364.16	2361.78	2364.45	0.000822	4.33	814.68	176.5	0.36
PershingCreek	PershingCreek	7773	PF 1	3528	2357.68	2362.4	2362.4	2364.28	0.007046	10.99	320.93	85.81	1
PershingCreek	PershingCreek	7640	PF 1	3528	2355.98	2360.16	2360.93	2362.99	0.014034	13.5	261.38	86.86	1.37
PershingCreek	PershingCreek	7452	PF 1	3528	2352.98	2354.84	2355.93	2358.65	0.044322	15.66	225.92	144.75	2.2
PershingCreek	PershingCreek	7239	PF 1	3528	2348.69	2351.5	2351.97	2353.46	0.015143	11.25	313.6	144.73	1.35
PershingCreek	PershingCreek	7124	PF 1	3528	2346.74	2350.9	2350.92	2352.48	0.00745	10.1	349.42	113.3	1.01
PershingCreek	PershingCreek	7039	PF 1	3528	2345.6	2348.5	2349.42	2351.5	0.019493	13.9	253.74	103.53	1.57
PershingCreek	PershingCreek	6943	PF 1	3528	2339	2348.12	2346.16	2348.51	0.001213	5.04	711.14	163.46	0.42
PershingCreek	PershingCreek	6767	PF 1	3528	2341.97	2346.19	2346.19	2348.06	0.007241	10.97	321.61	87.13	1.01
PershingCreek	PershingCreek	6618	PF 1	3528	2339.58	2343.51	2344.33	2346.62	0.013223	14.22	252.28	74.45	1.36
PershingCreek	PershingCreek	6460	PF 1	3528	2337.17	2342.48	2342.84	2344.85	0.009415	12.37	285.15	77.56	1.14
PershingCreek	PershingCreek	6360	PF 1	3528	2335.72	2338.2	2339.63	2343.11	0.040967	17.79	198.34	96.86	2.19
PershingCreek	PershingCreek	6197	PF 1	3528	2333	2336.09	2336.85	2338.75	0.018243	13.1	269.29	113.65	1.5
PershingCreek	PershingCreek	5984	PF 1	3980	2329.62	2332.7	2333.33	2335.01	0.016905	12.21	325.93	145.2	1.44
PershingCreek	PershingCreek	5849	PF 1	3980	2327.45	2330.23	2330.9	2332.45	0.021878	12.01	335.49	190.34	1.58
PershingCreek	PershingCreek	5627	PF 1	3980	2323.7	2327.49	2327.76	2329.05	0.011191	10.01	397.45	174.69	1.17
PershingCreek	PershingCreek	5367	PF 1	3980	2319.98	2322.55	2323.18	2324.65	0.028413	11.76	342.51	235.26	1.73
PershingCreek	PershingCreek	5124	PF 1	3980	2315.99	2318.73	2318.98	2319.94	0.013833	8.84	454.86	293.24	1.23
PershingCreek	PershingCreek	4932	PF 1	3980	2312.99	2315.47	2315.86	2316.92	0.017951	9.67	411.39	272.62	1.39
PershingCreek	PershingCreek	4748	PF 1	3980	2310.18	2312.76	2313.06	2313.99	0.014288	8.91	448.24	284.48	1.25
PershingCreek	PershingCreek	4522	PF 1	3980	2306.92	2309.26	2309.55	2310.59	0.015779	9.24	430.55	278.12	1.31
PershingCreek	PershingCreek	4197	PF 1	3980	2302.17	2305.32	2305.44	2306.64	0.009589	9.24	430.92	194.8	1.09
PershingCreek	PershingCreek	3968	PF 1	3980	2298.69	2300.92	2301.63	2303.28	0.025029	12.34	322.41	190.83	1.67
PershingCreek	PershingCreek	3737	PF 1	3980	2295.15	2297.92	2298.18	2299.53	0.011308	10.2	390.33	168.09	1.18
PershingCreek	PershingCreek	3486	PF 1	3980	2290.99	2292.96	2293.61	2295.17	0.029805	11.95	334.54	236.68	1.77
PershingCreek	PershingCreek	3217	PF 1	3980	2287	2290.26	2289.88	2291.01	0.004877	6.98	573.95	237.89	0.79
PershingCreek	PershingCreek	3036	PF 1	3980	2284.92	2288.43	2288.43	2289.93	0.007277	9.85	407.72	138.09	0.99
PershingCreek	PershingCreek	2784	PF 1	3980	2280.95	2283.4	2284.39	2286.67	0.028959	14.51	274.32	141.74	1.84
PershingCreek	PershingCreek	2537	PF 1	3980	2277.4	2281.25	2281.72	2282.92	0.009147	10.36	385.01	145.77	1.09

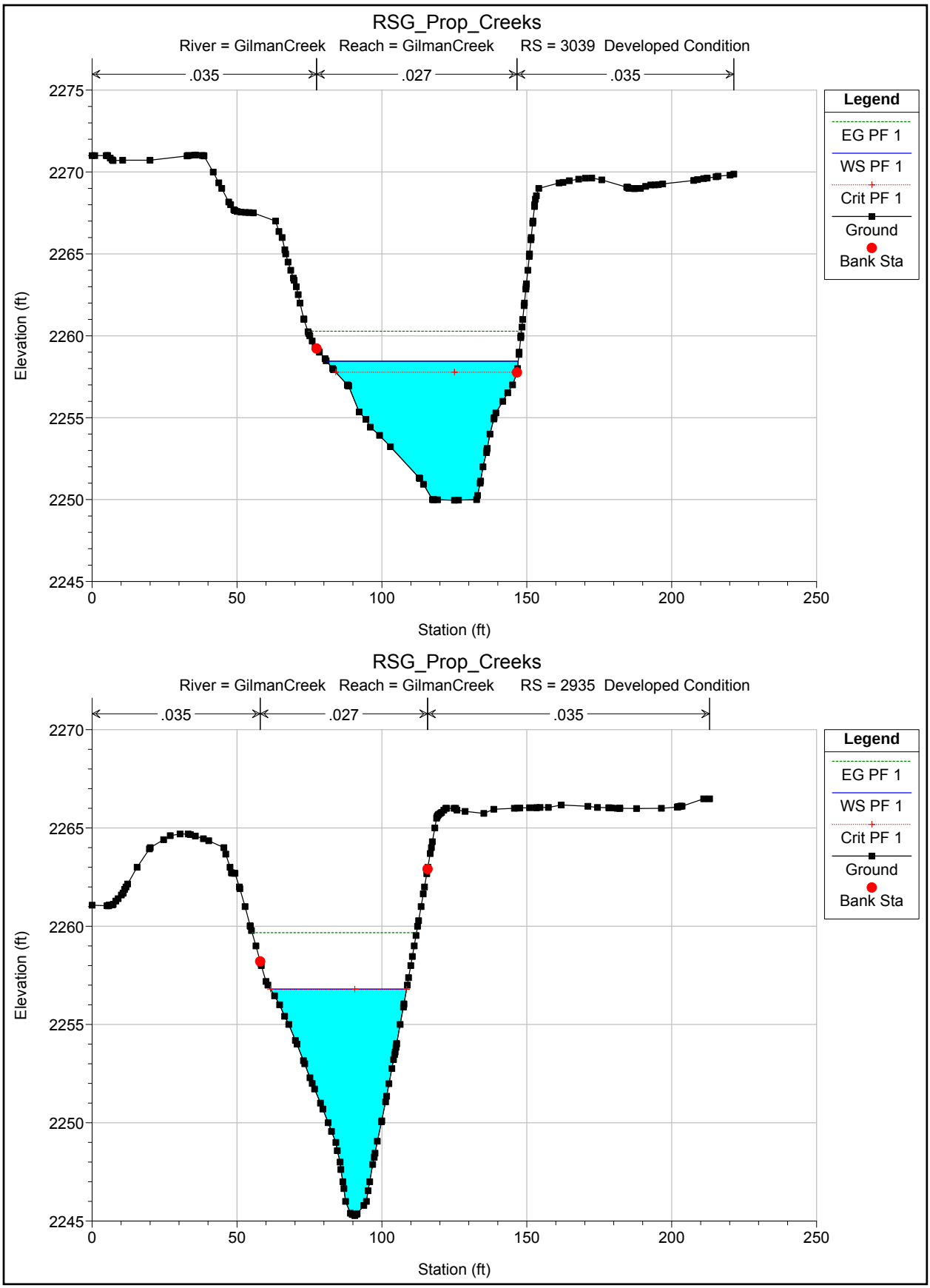
PershingCreek	PershingCreek	2258	PF 1	3980	2272.03	2274.72	2275.74	2278.14	0.042009	14.92	268.68	174.13	2.13
PershingCreek	PershingCreek	2065	PF 1	3980	2269.04	2272.04	2272.54	2273.77	0.013809	10.56	378.3	185.15	1.29
PershingCreek	PershingCreek	1936	PF 1	3980	2267.68	2270.49	2270.77	2272.18	0.011037	10.43	381.45	155.84	1.18
PershingCreek	PershingCreek	1633	PF 1	3980	2262.97	2266.69	2267.27	2268.57	0.012853	11	361.79	153.52	1.26

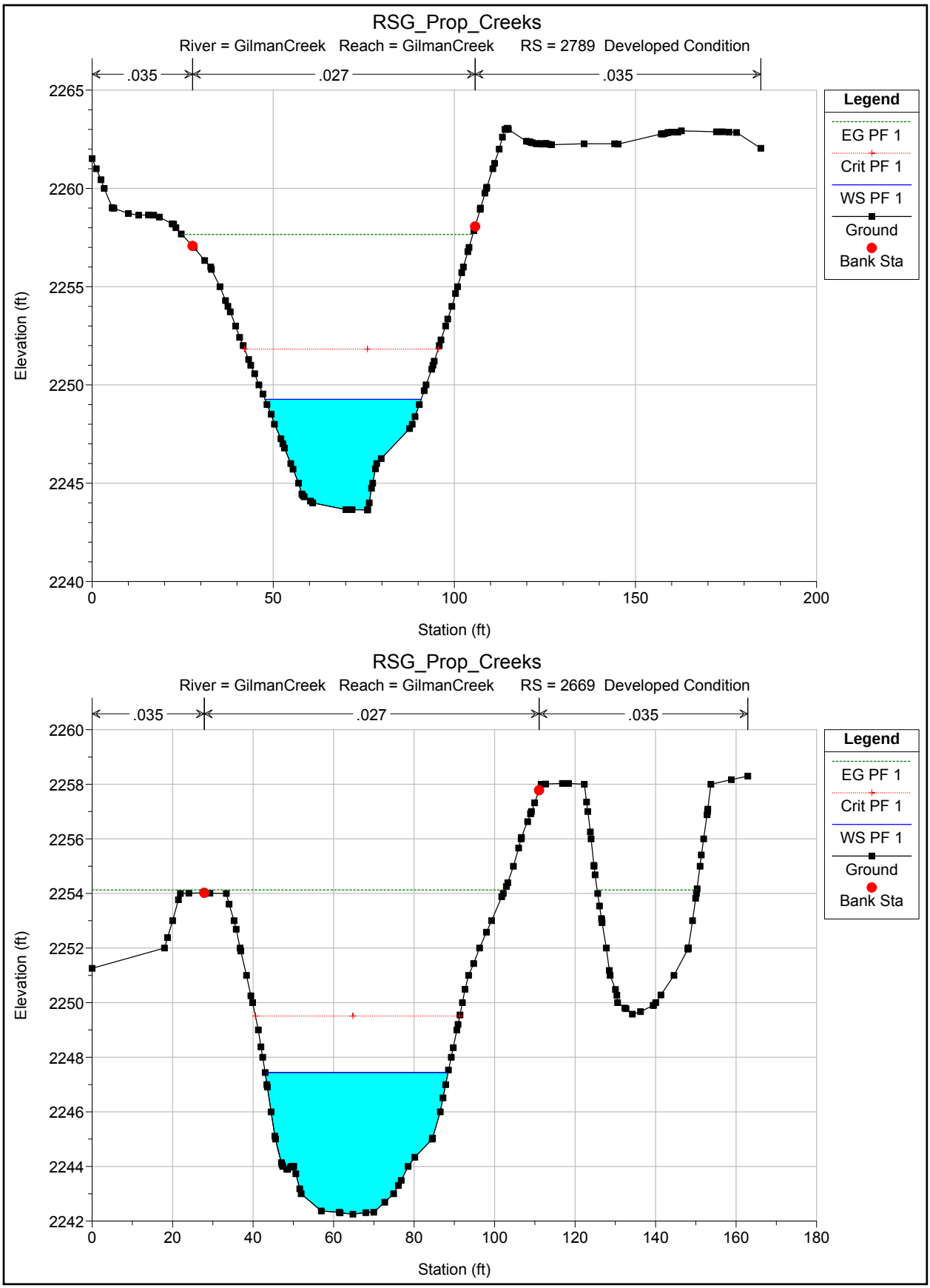

RSG_Prop_Creeks Developed Condition
MontgomeryCreek MontgomeryCreek
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Elevation (ft)
2360
2340
2320
2300
2280
2260
2240
2220
0
1000
2000
3000
4000
5000
6000
Main Channel Distance (ft)

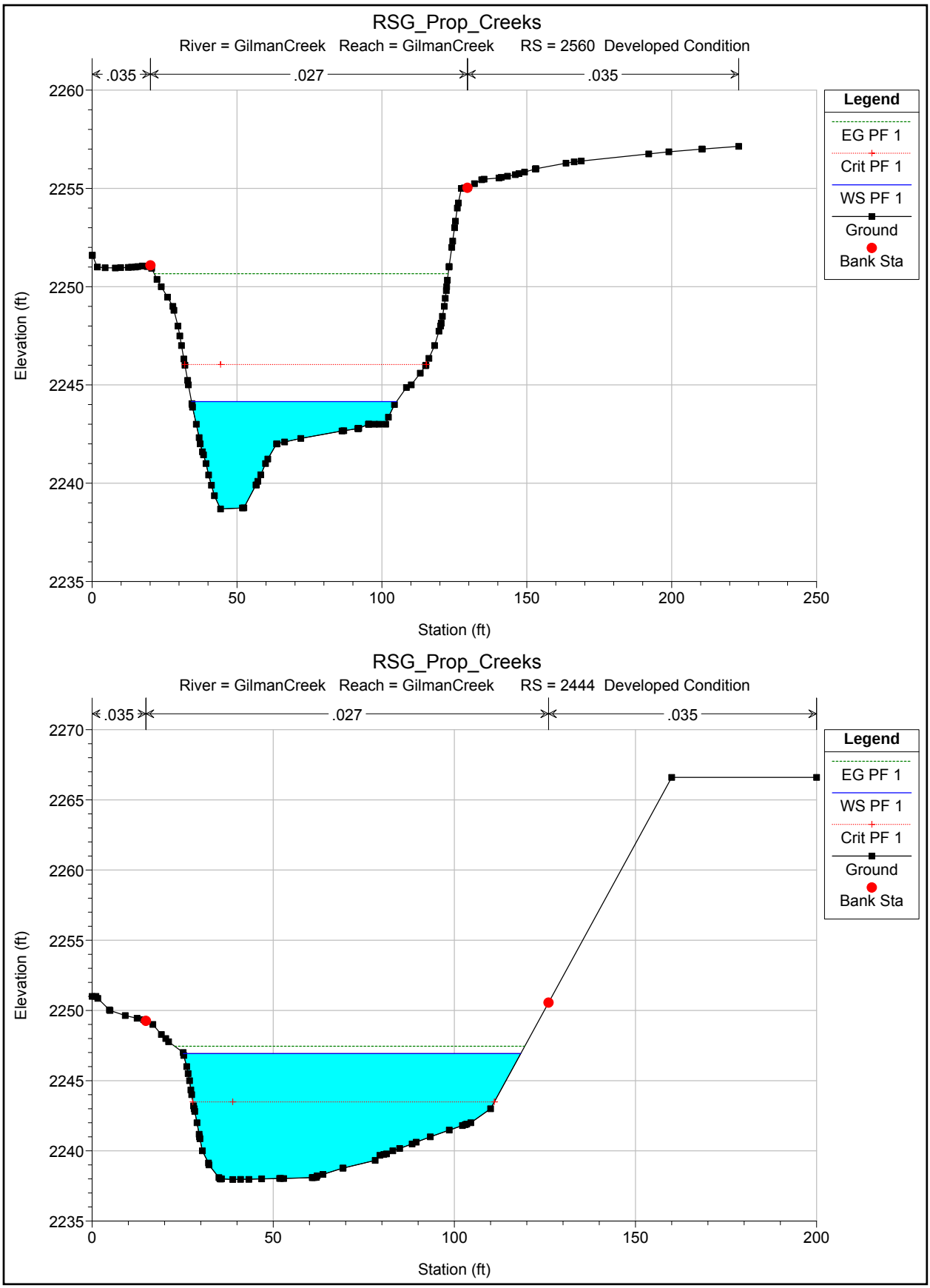
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
MontgomeryCreek	5379	PF 1	2183	2342.99	2348.47	2347.85	2349.13	0.003762	6.51	335.35	123.27	0.7
MontgomeryCreek	5111	PF 1	2183	2339	2346.44	2346.44	2347.63	0.009045	8.74	249.83	110.61	1.02
MontgomeryCreek	5013	PF 1	2183	2332	2334.9	2337.31	2345.52	0.093331	26.15	83.48	41.98	3.27
MontgomeryCreek	280	PF 1	2493	2221.98	2224.38	2224.44	2225	0.01218	6.31	394.96	372.62	1.08

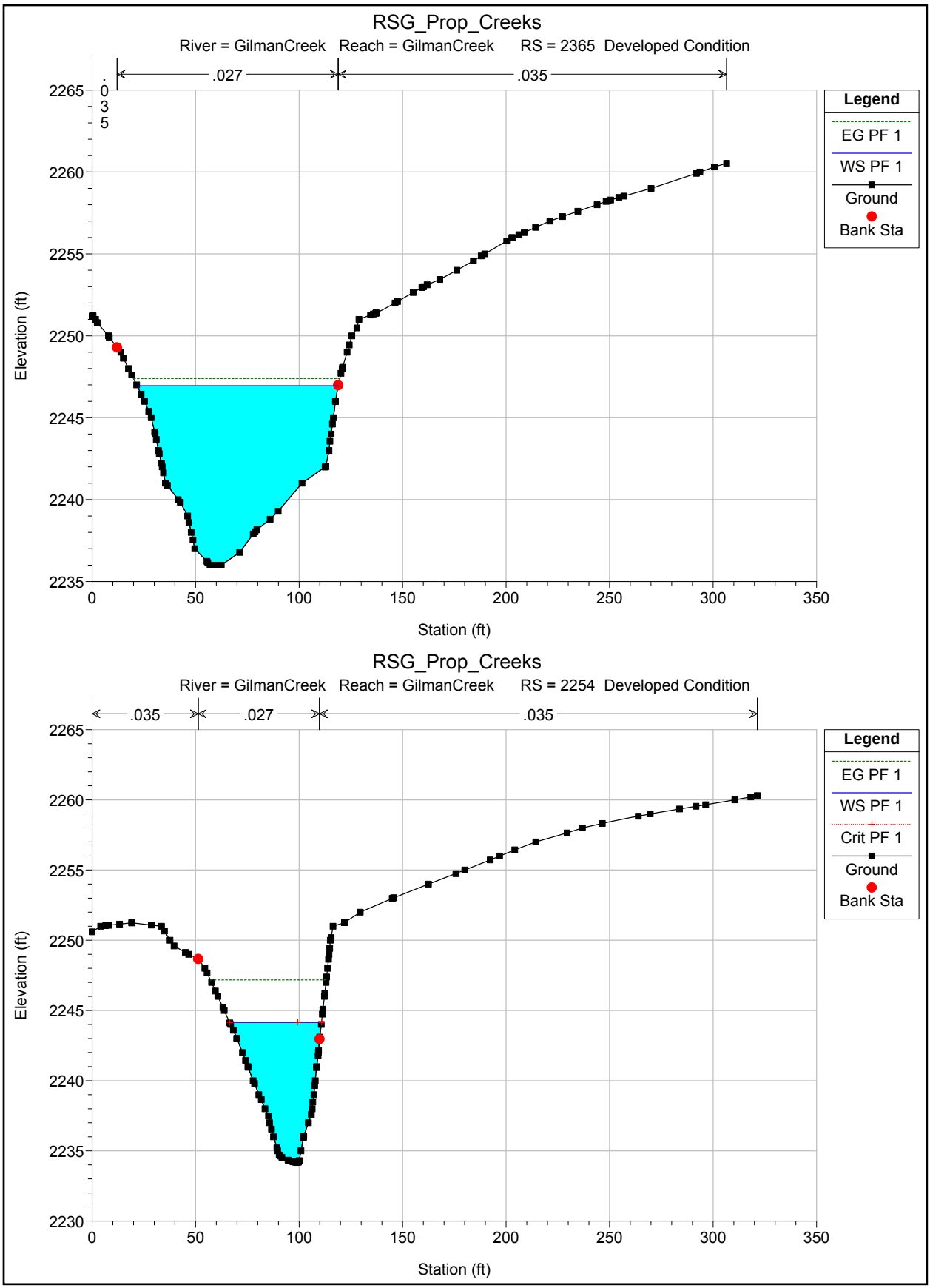

RSG_Prop_Creeks Developed Condition
GilmanCreek GilmanCreek
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Elevation (ft)
2270
2260
2250
2240
2230
2220
2210
2200
0
500
1000
1500
2000
2500
3000
Main Channel Distance (ft)

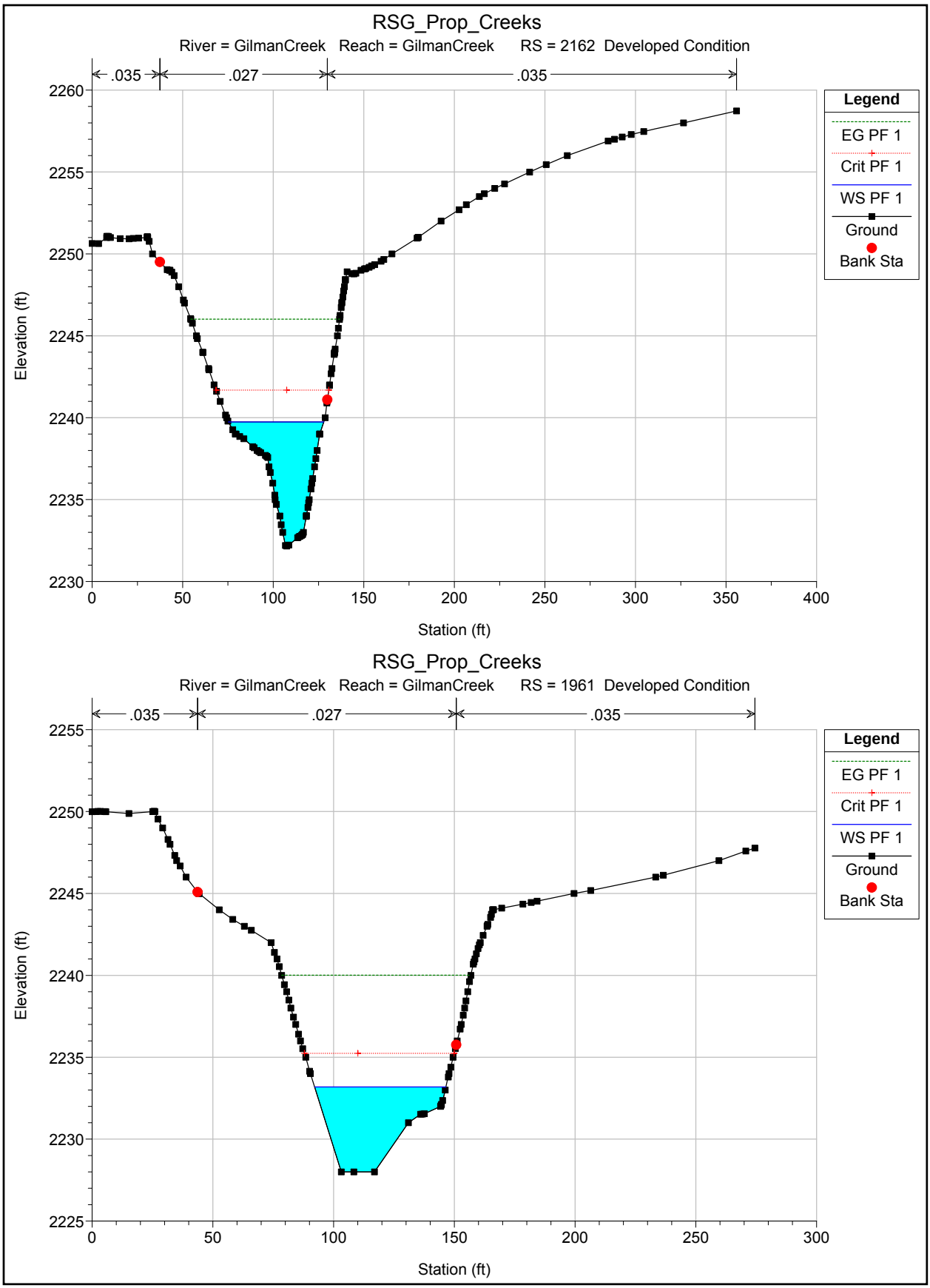
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
GilmanGreek	3039	PF 1	3665	2249.96	2258.45	2257.78	2260.28	0.00468	10.85	338	66.15	0.84
GilmanGreek	2935	PF 1	3665	2245.28	2256.8	2256.8	2259.67	0.007073	13.61	269.31	47	1
GilmanGreek	2789	PF 1	3665	2243.64	2249.26	2251.82	2257.65	0.034228	23.24	157.67	43.11	2.14
GilmanGreek	2669	PF 1	3665	2242.25	2247.44	2249.51	2254.13	0.025029	20.76	176.54	45.42	1.86
GilmanGreek	2560	PF 1	3665	2238.69	2244.15	2246.04	2250.66	0.041757	20.47	179.02	70.75	2.27
GilmanGreek	2444	PF 1	3665	2237.96	2246.93	2243.49	2247.45	0.000944	5.83	628.7	93.13	0.4
GilmanGreek	2365	PF 1	3665	2236	2246.94		2247.39	0.000735	5.34	686.6	97.1	0.35
GilmanGreek	2254	PF 1	3665	2234.17	2244.16	2244.16	2247.17	0.00685	13.94	263.46	44.42	1
GilmanGreek	2162	PF 1	3665	2232.16	2239.74	2241.68	2246.02	0.027846	20.1	182.32	52.69	1.9
GilmanGreek	1961	PF 1	3665	2228	2233.19	2235.24	2240.01	0.031954	20.96	174.84	54.4	2.06
GilmanGreek	1816	PF 1	3665	2225	2235.37	2235.38	2238.1	0.007161	13.26	276.48	51.11	1
GilmanGreek	1650	PF 1	3665	2222.86	2228.83	2231.11	2236.02	0.025833	21.51	170.36	41.85	1.88
GilmanGreek	1536	PF 1	3665	2221.95	2228.75	2230.23	2233.75	0.015136	17.96	204.11	43.44	1.46
GilmanGreek	1359	PF 1	3665	2220.19	2224.08	2225.76	2229.81	0.035653	19.21	190.76	75.13	2.12
GilmanGreek	1153	PF 1	3665	2211.75	2219.99	2221.53	2225.12	0.015737	18.18	201.58	40.07	1.43
GilmanGreek	1034	PF 1	3665	2209.99	2218.32	2219.67	2223.37	0.013752	18.04	203.2	37.49	1.37
GilmanGreek	924	PF 1	3665	2209.93	2214.94	2217.13	2222.17	0.008595	21.58	169.81	49.6	2.06
GilmanGreek	844	PF 1	3665	2209	2214.43	2216.69	2221.6	0.008471	21.48	170.63	50.79	2.07
GilmanGreek	843		Culvert									
GilmanGreek	231	PF 1	3665	2201	2211.75		2211.89	0.000597	3.97	1369.67	497.5	0.29

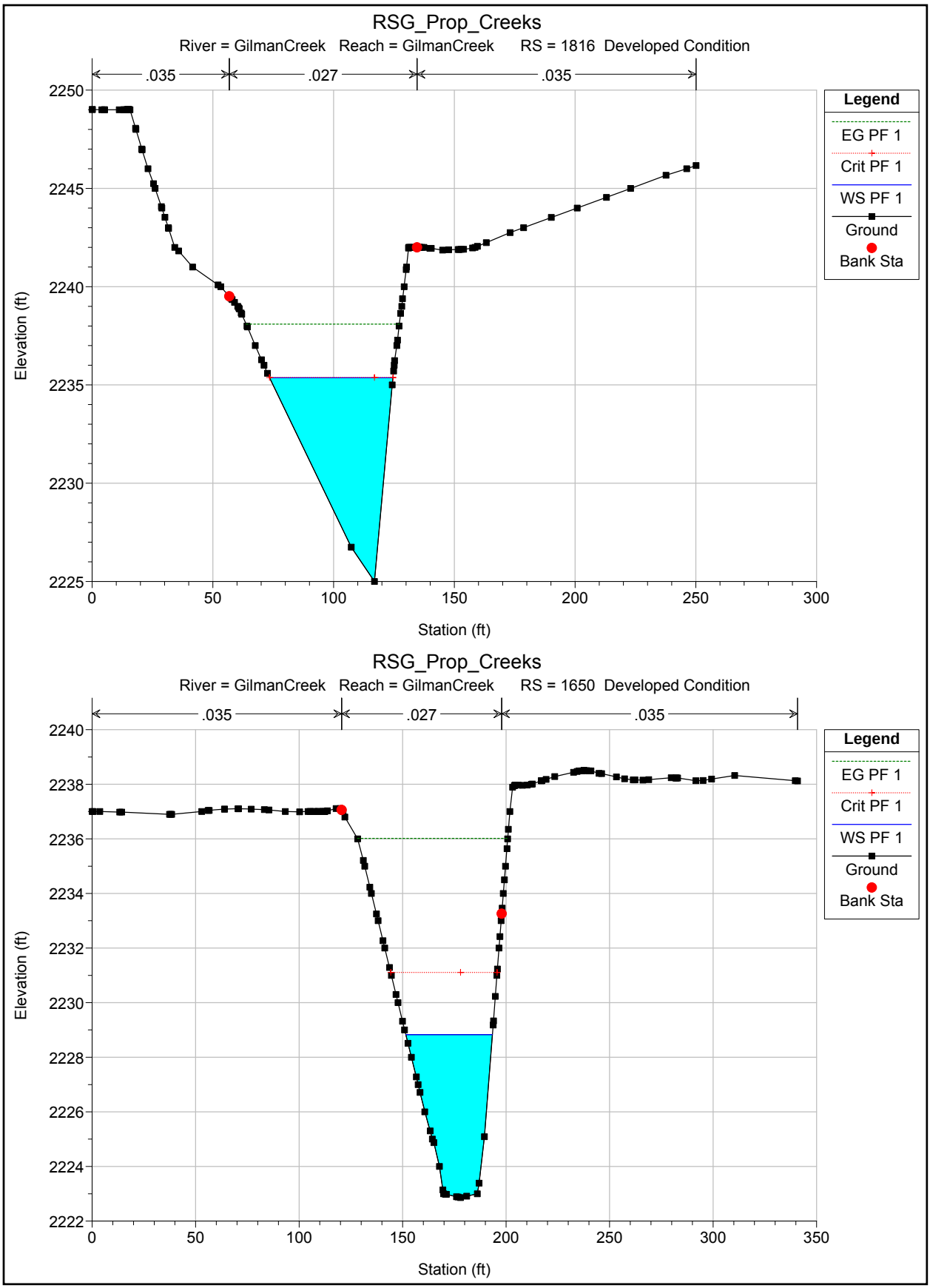

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 3039 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2935 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

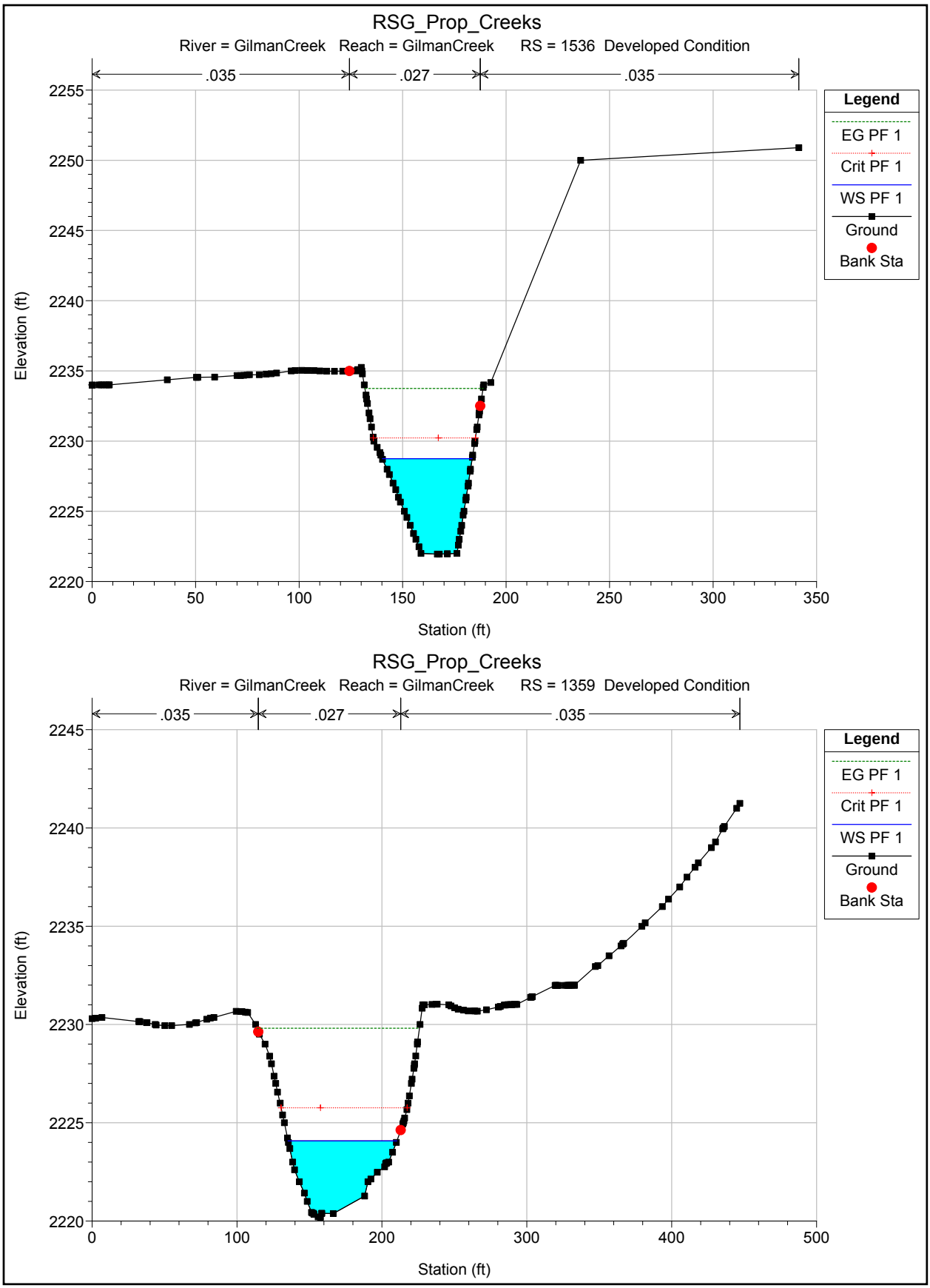

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2789 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2669 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

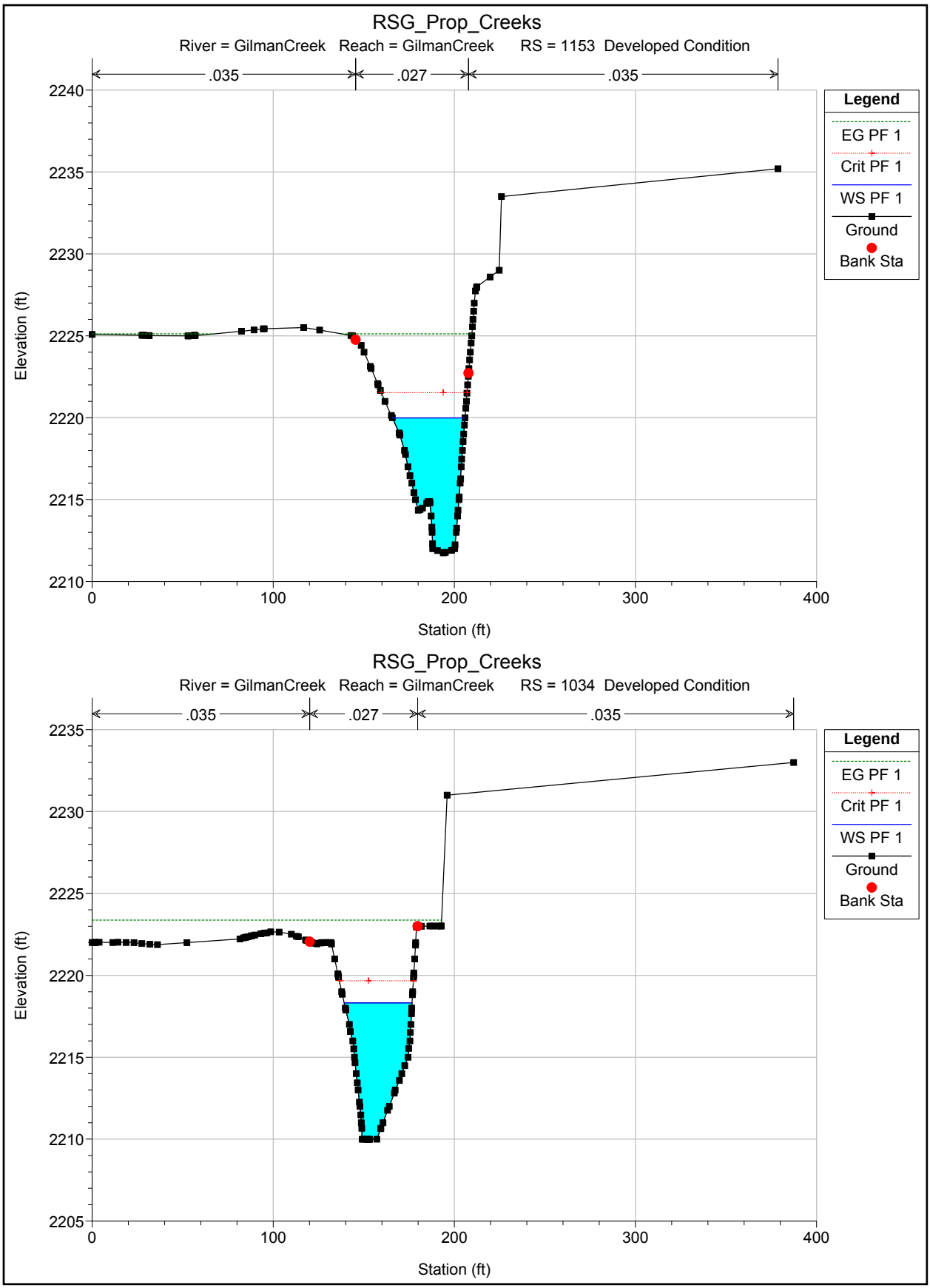

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2560 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2444 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

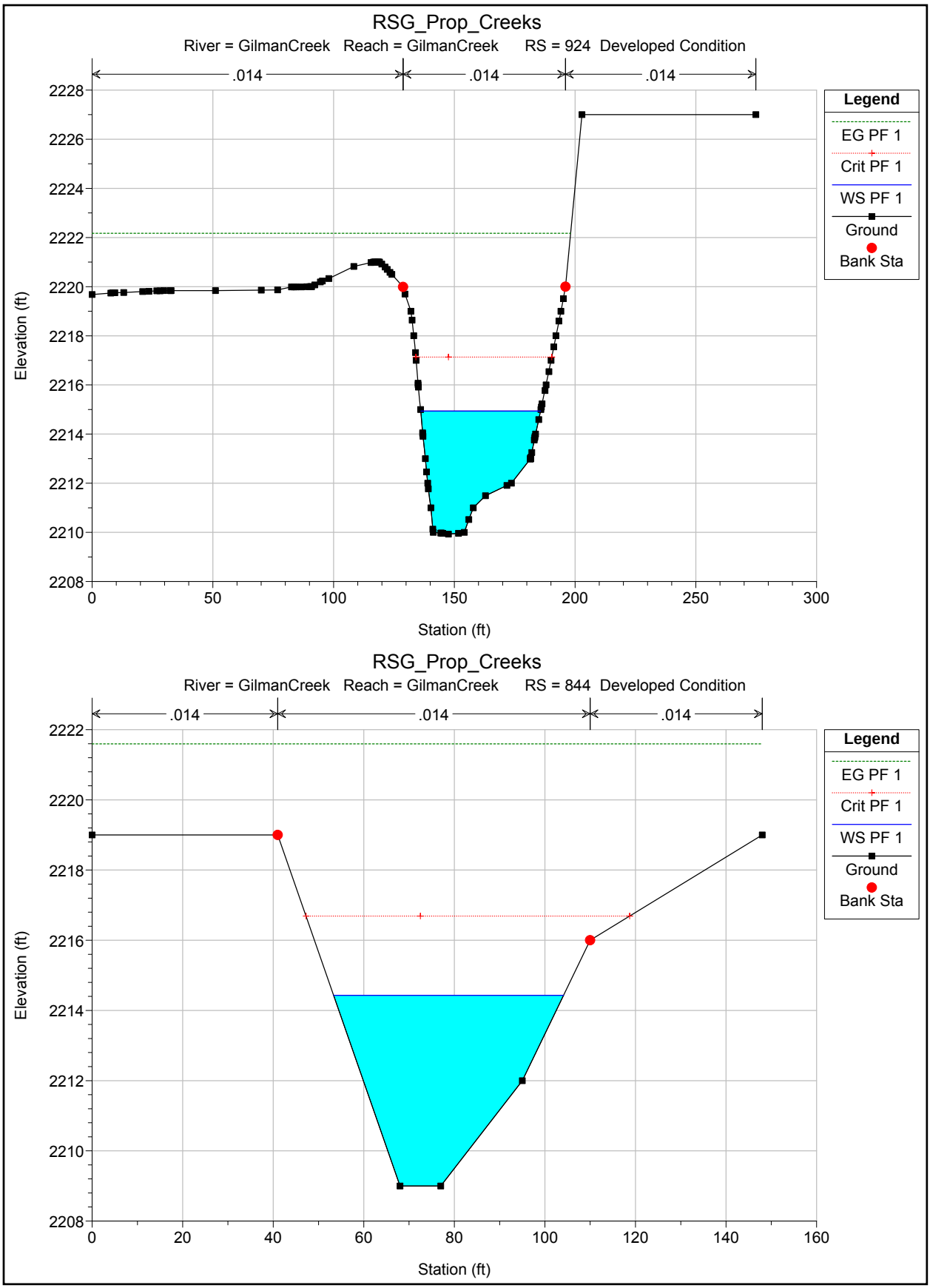

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2365 Developed Condition
.027
.035
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2254 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

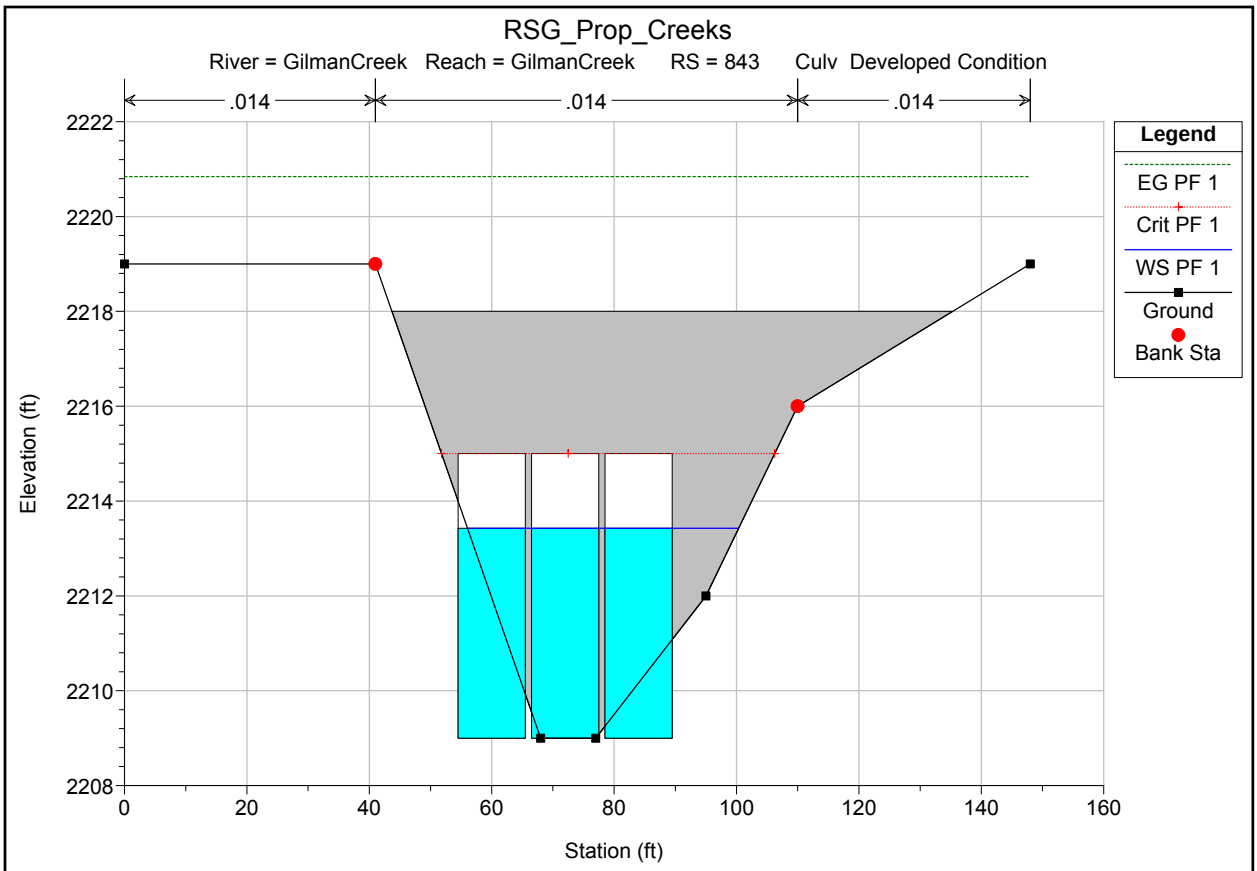

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 2162 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1961 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

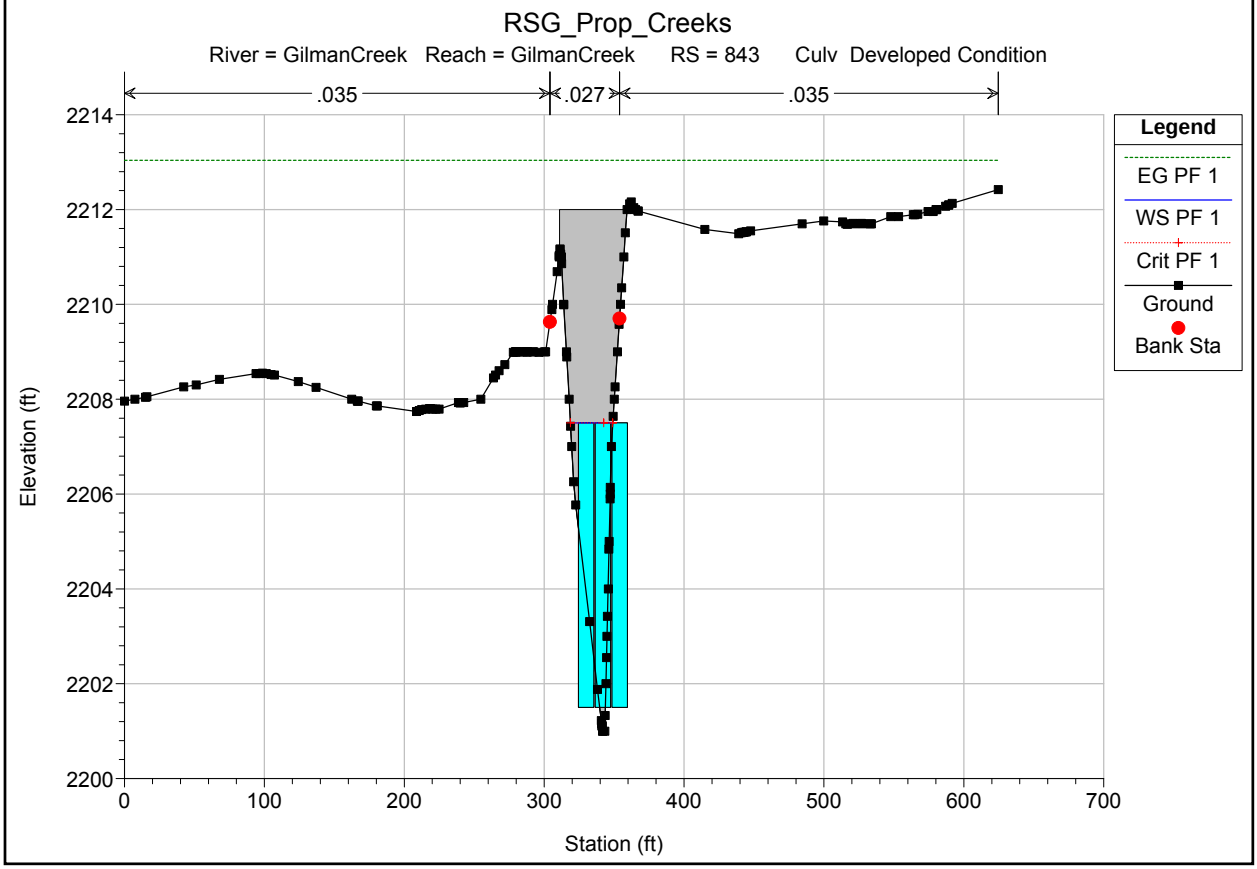

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1816 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1650 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

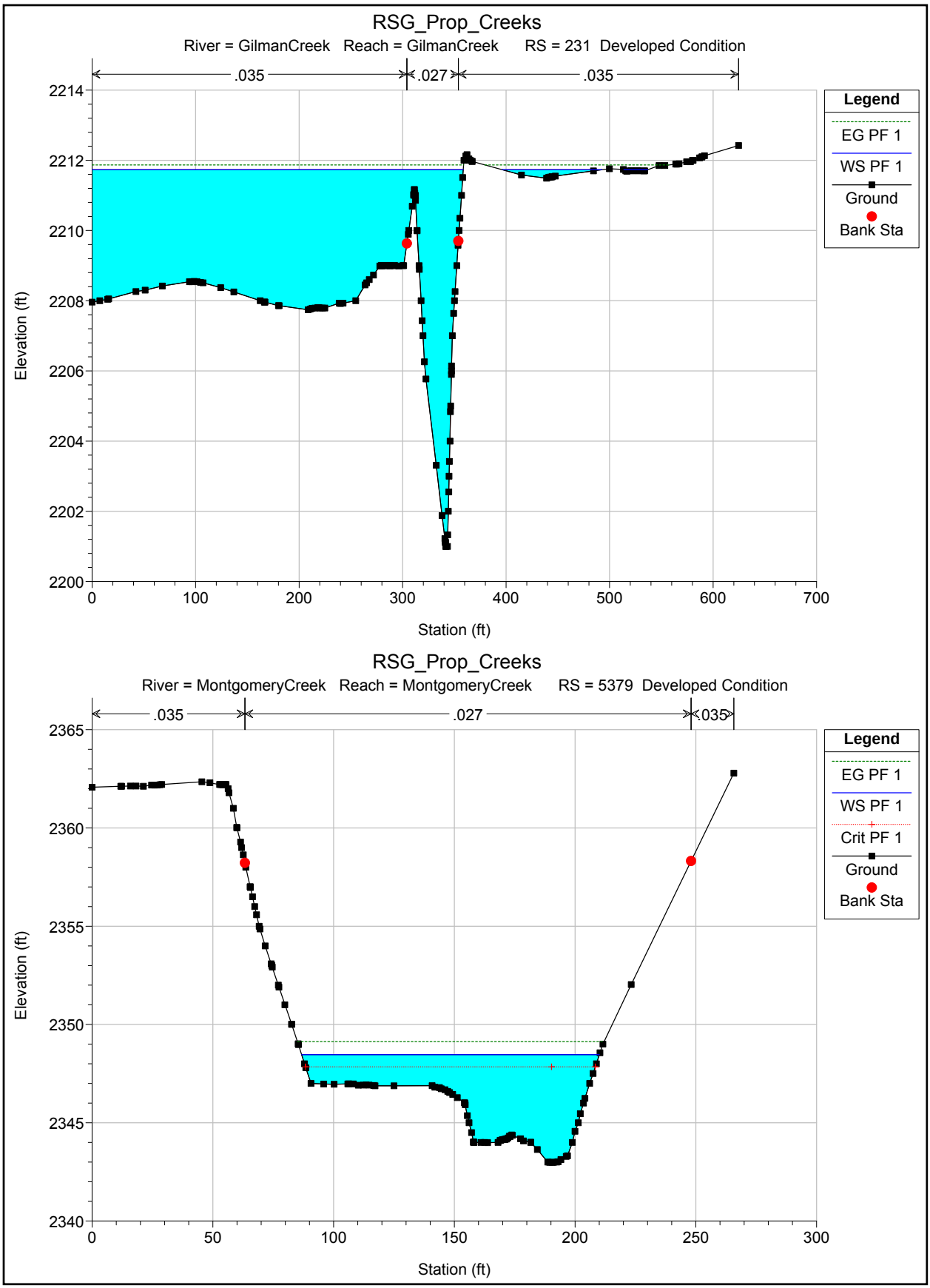

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1536 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1359 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

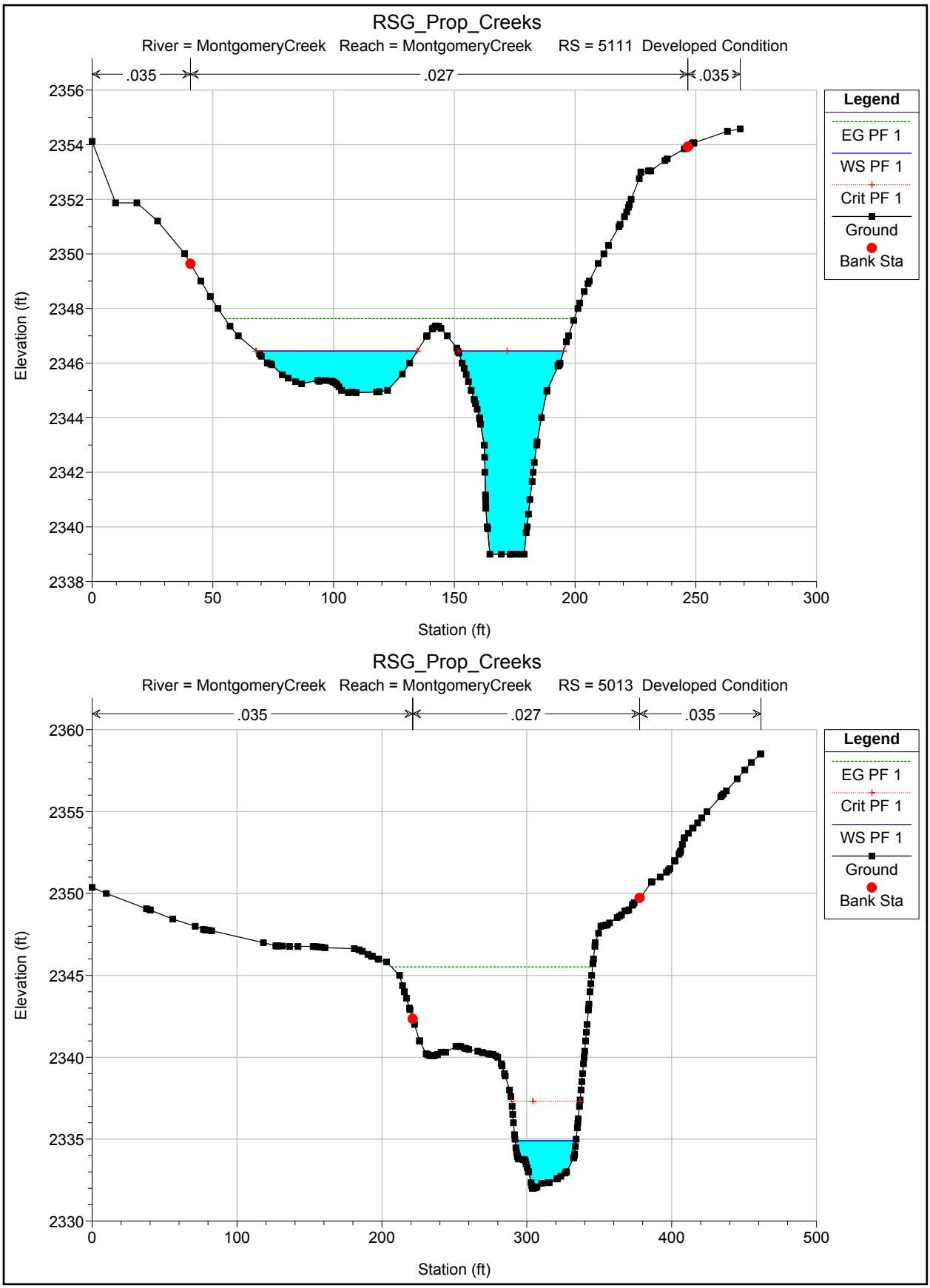

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1153 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 1034 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

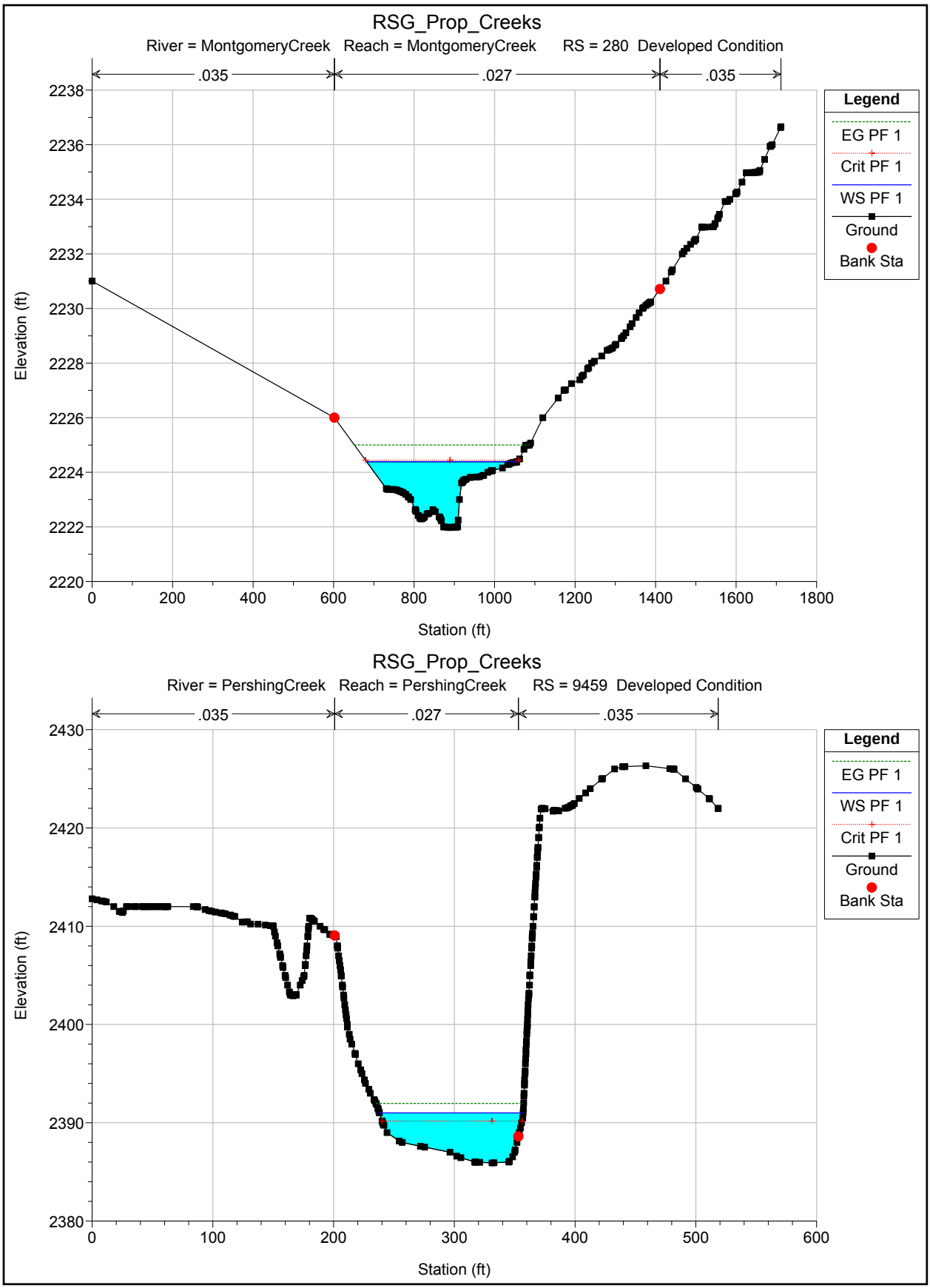

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 924 Developed Condition
.014
.014
.014
Elevation (ft)
Station (ft)
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 844 Developed Condition
.014
.014
.014
Elevation (ft)
Station (ft)
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta

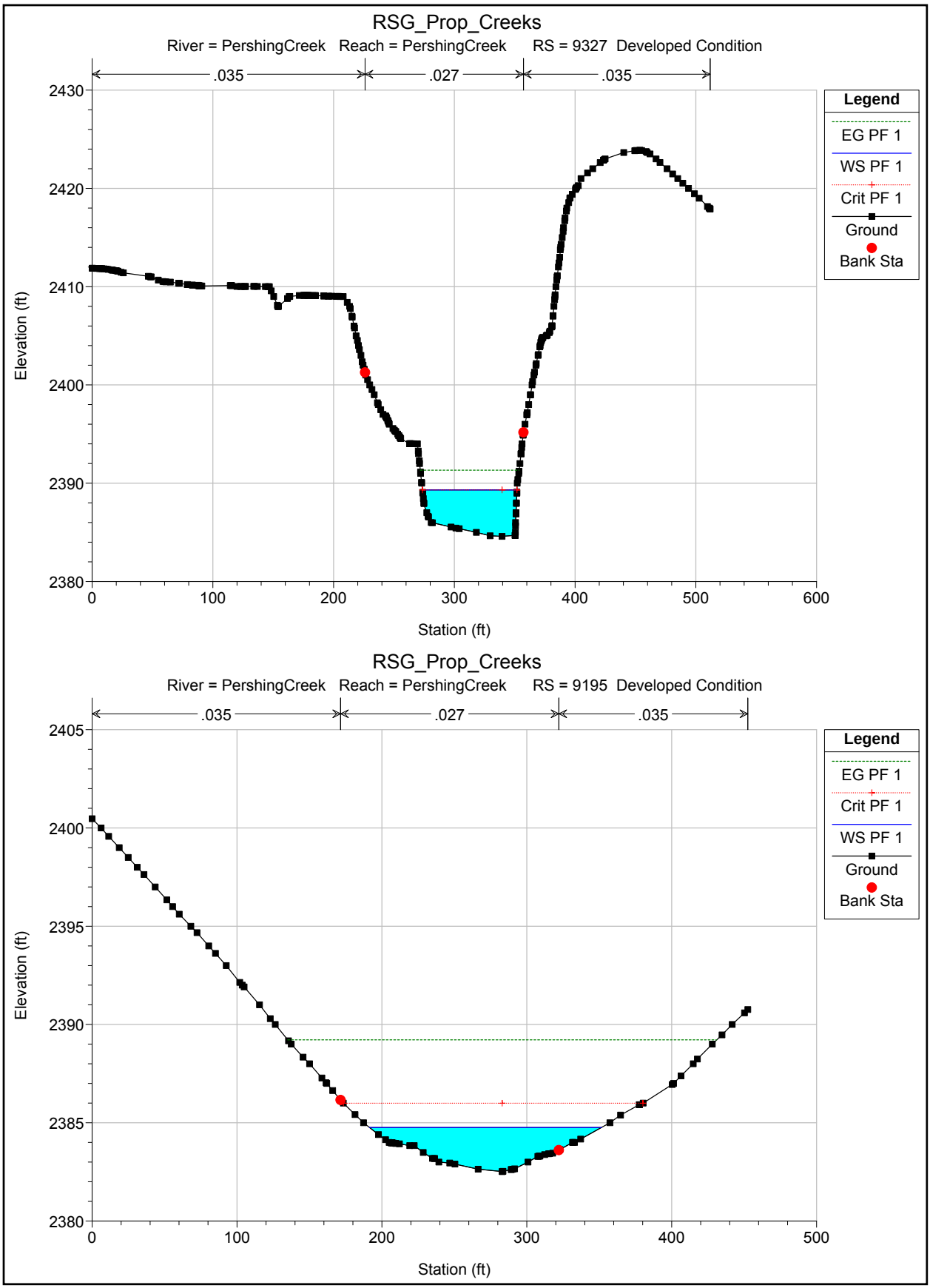

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 843 Culv Developed Condition
.014
.014
.014
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2222
2220
2218
2216
2214
2212
2210
2208
0
20
40
60
80
100
120
140
160

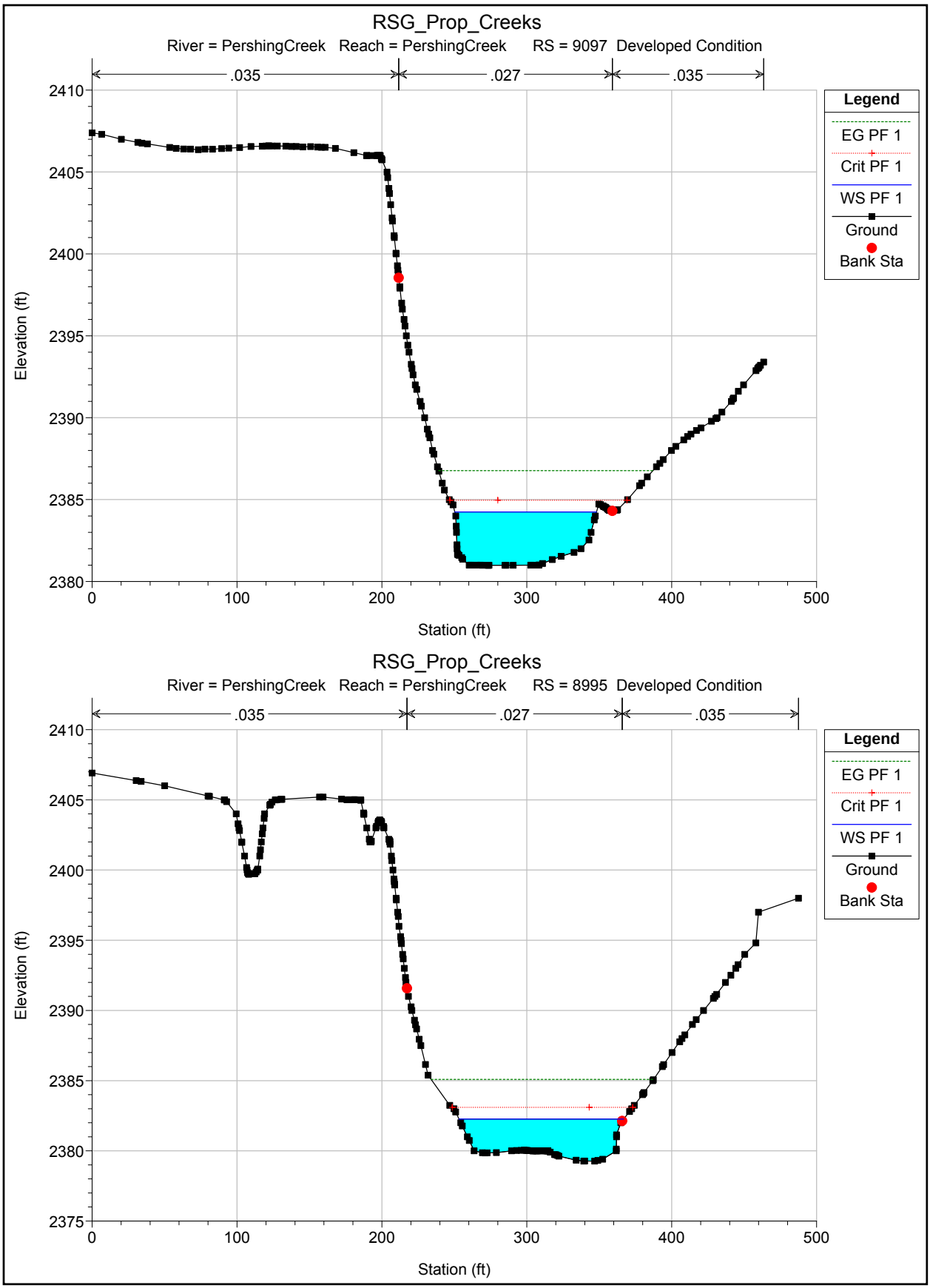

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 843 Culv Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2214
2212
2210
2208
2206
2204
2202
2200
0
100
200
300
400
500
600
700

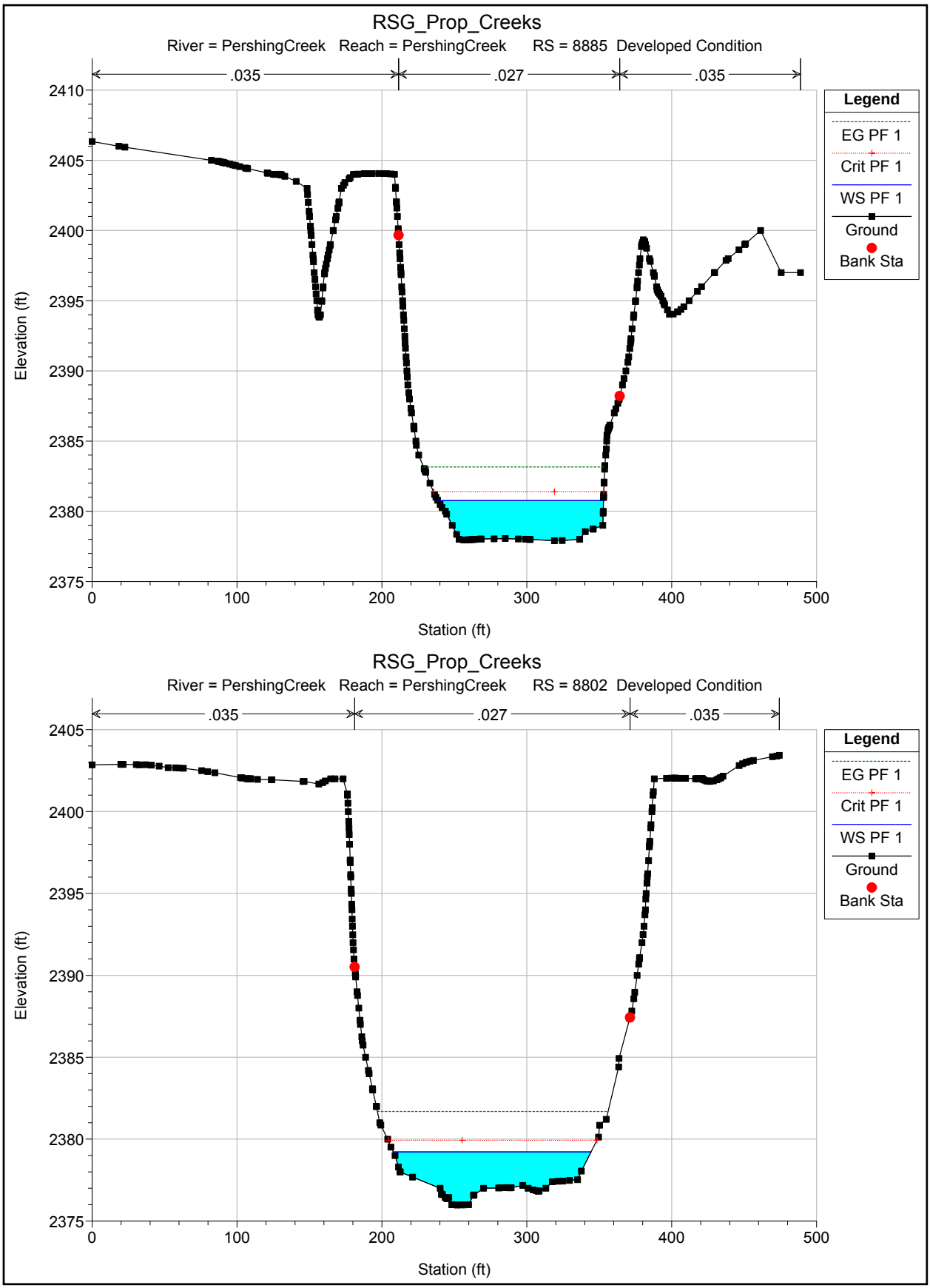

RSG_Prop_Creeks
River = GilmanCreek Reach = GilmanCreek RS = 231 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 5379 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

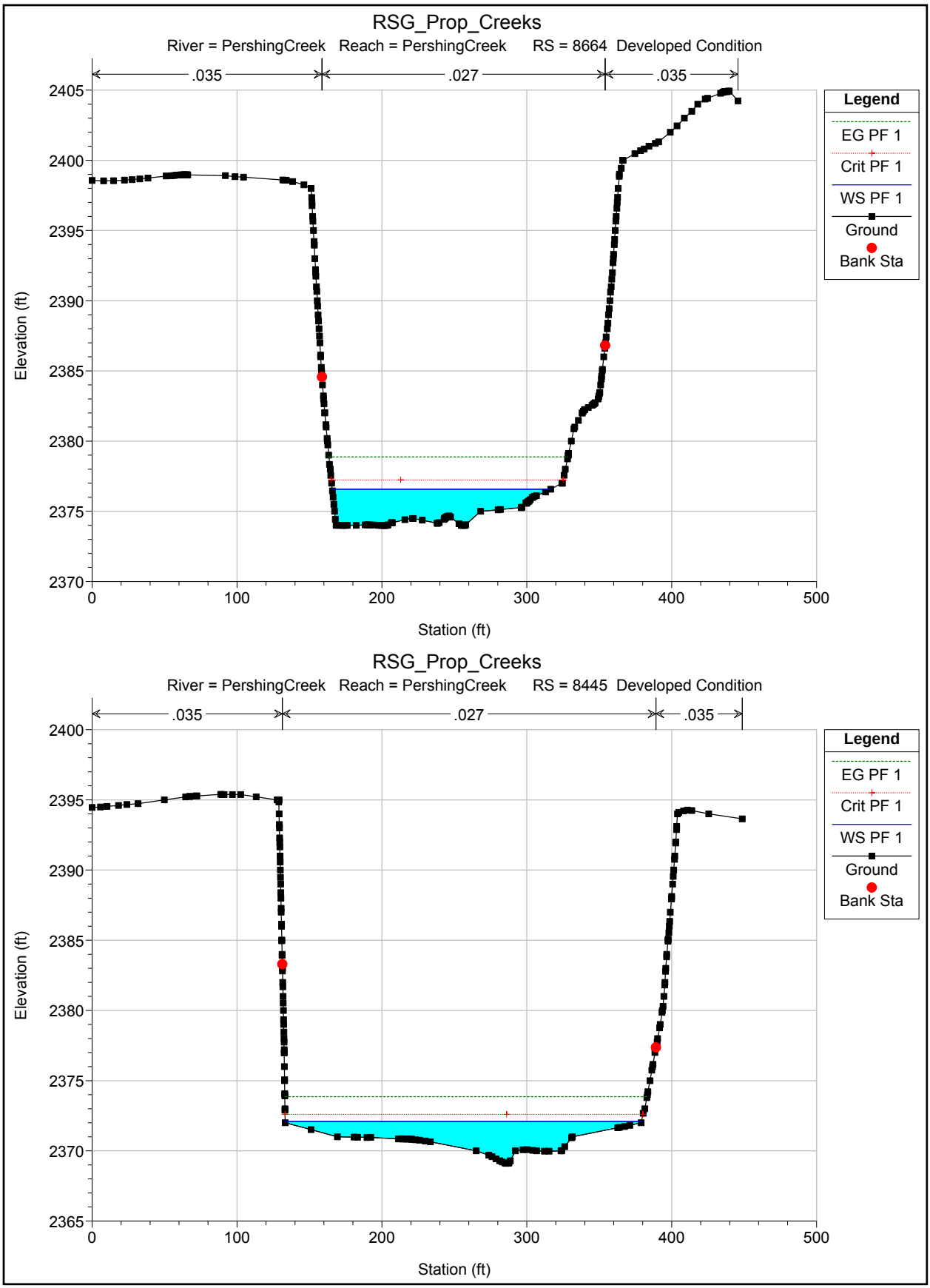

RSG_Prop_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 5111 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 5013 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

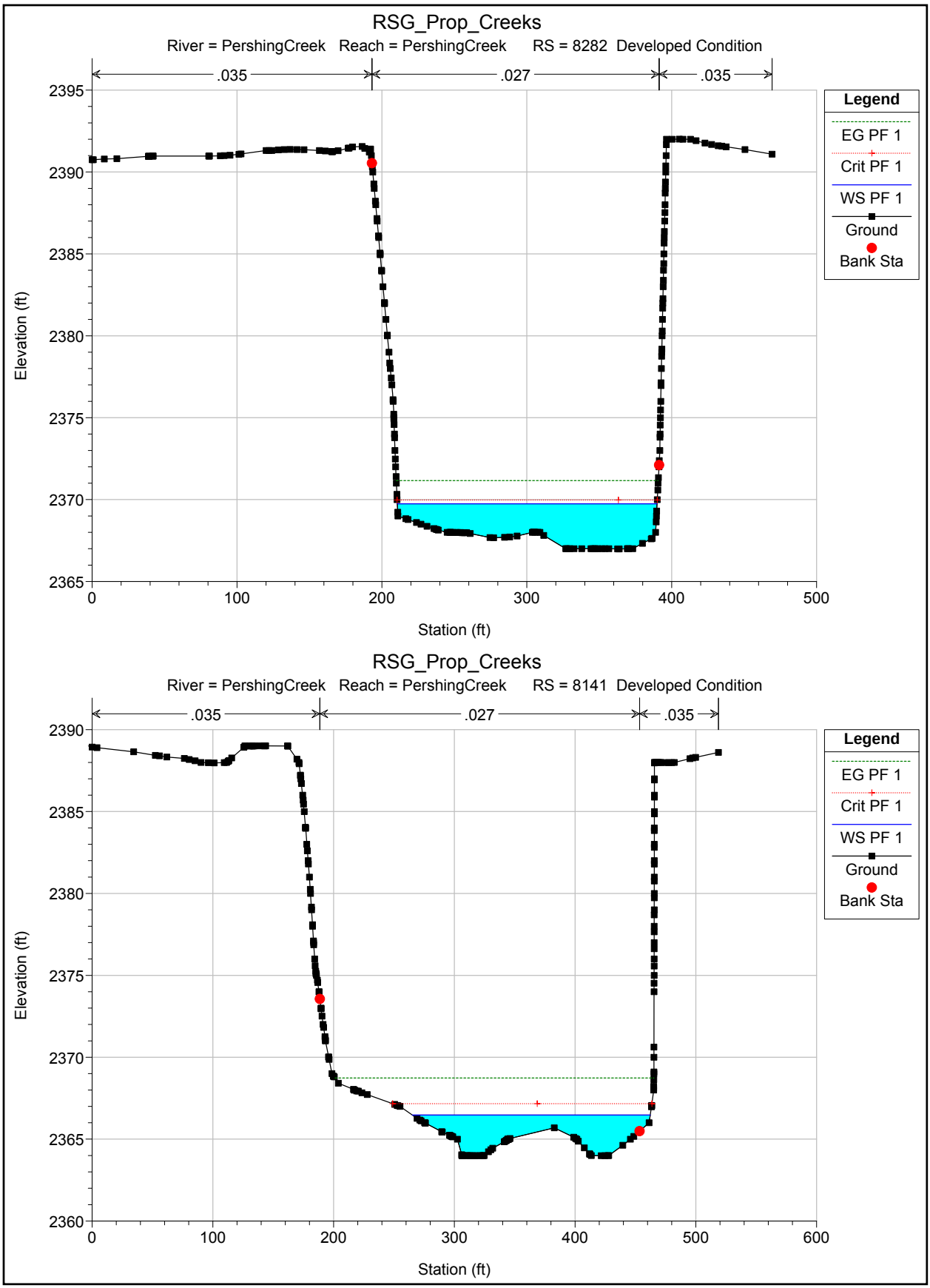

RSG_Prop_Creeks
River = MontgomeryCreek Reach = MontgomeryCreek RS = 280 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 9459 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

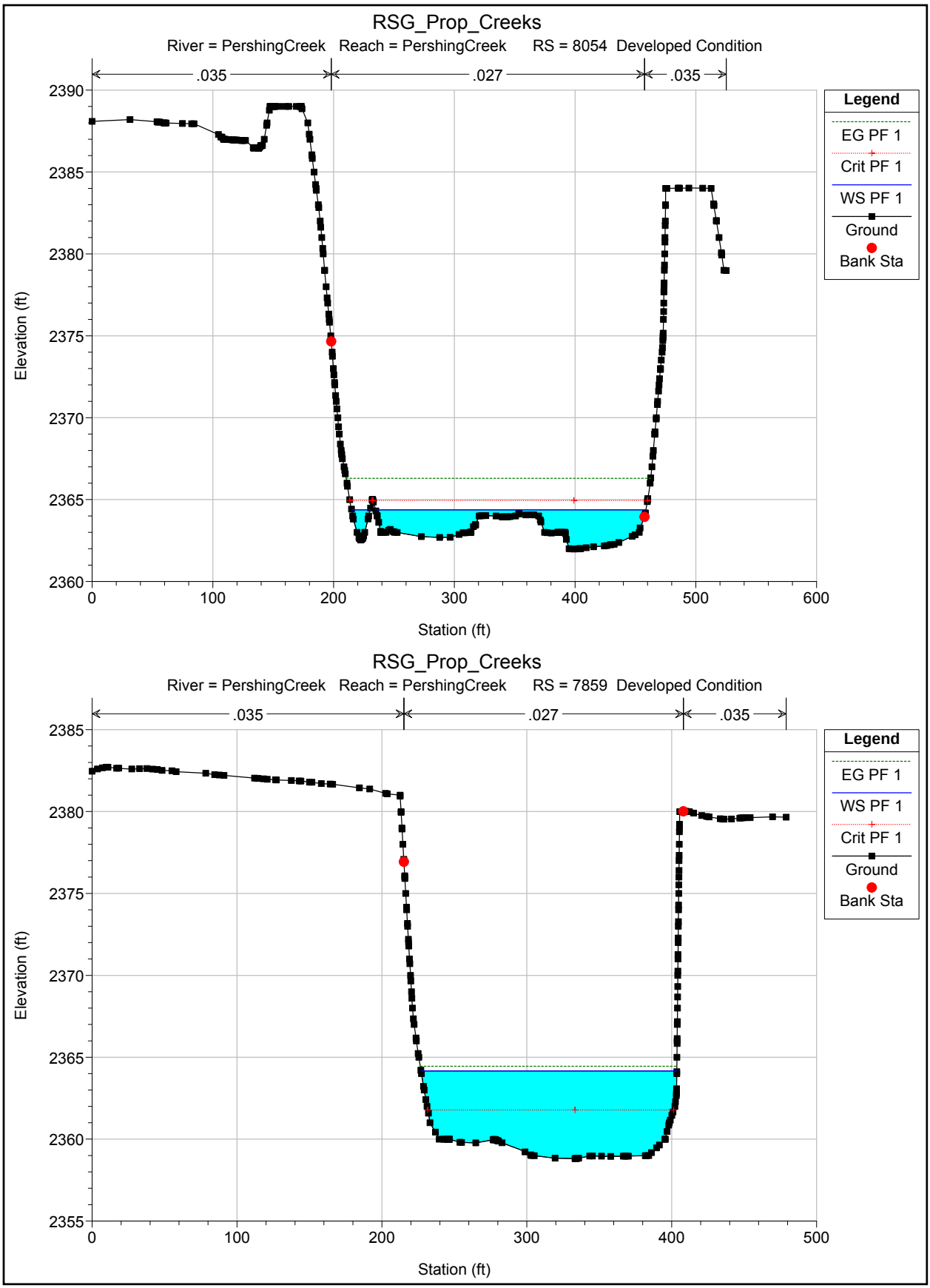

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 9327 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2430
2420
2410
2400
2390
2380
0
100
200
300
400
500
600
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 9195 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2405
2400
2395
2390
2385
2380
0
100
200
300
400
500

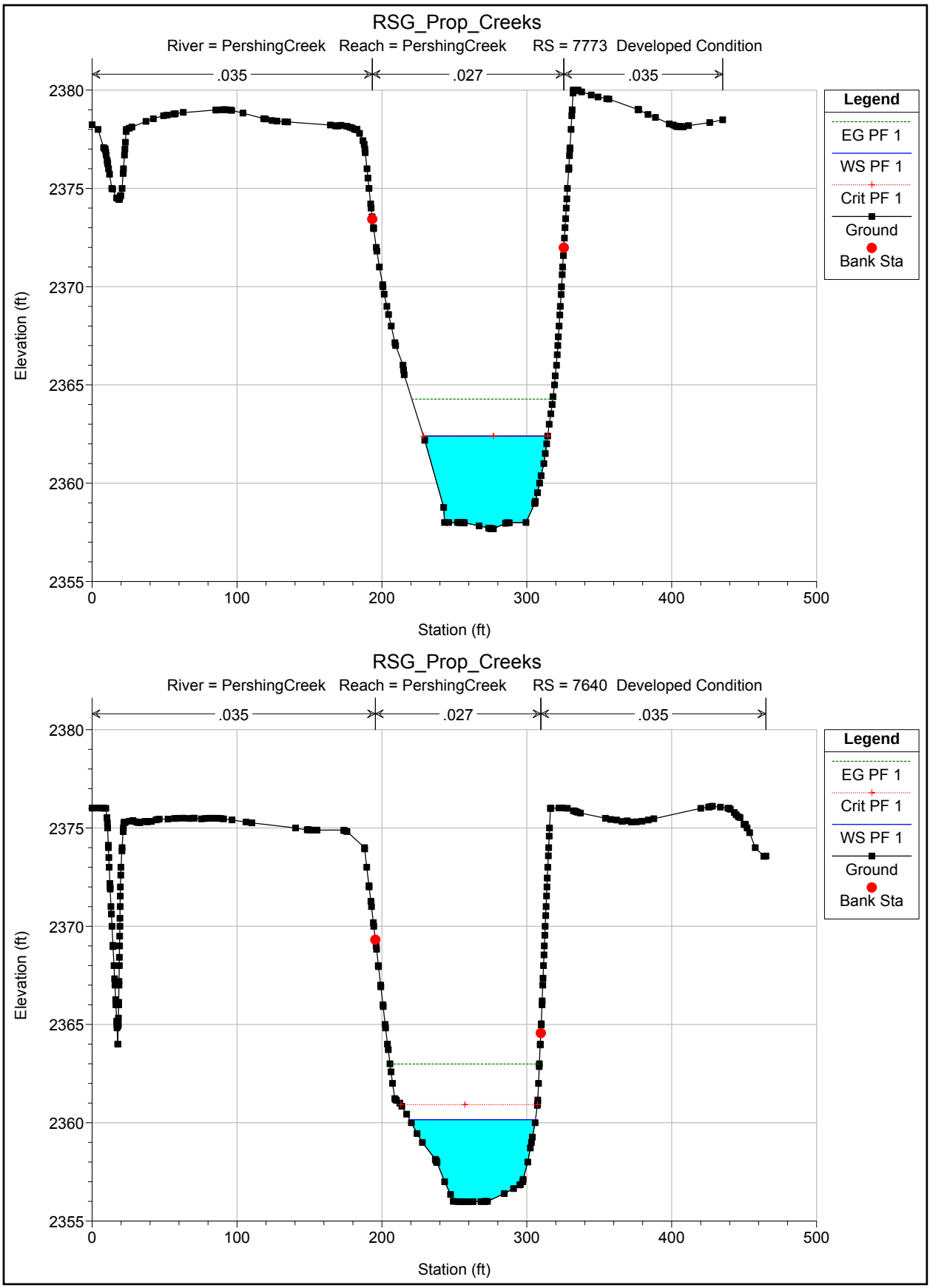

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 9097 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2410
2405
2400
2395
2390
2385
2380
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8995 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2410
2405
2400
2395
2390
2385
2380
2375
0
100
200
300
400
500

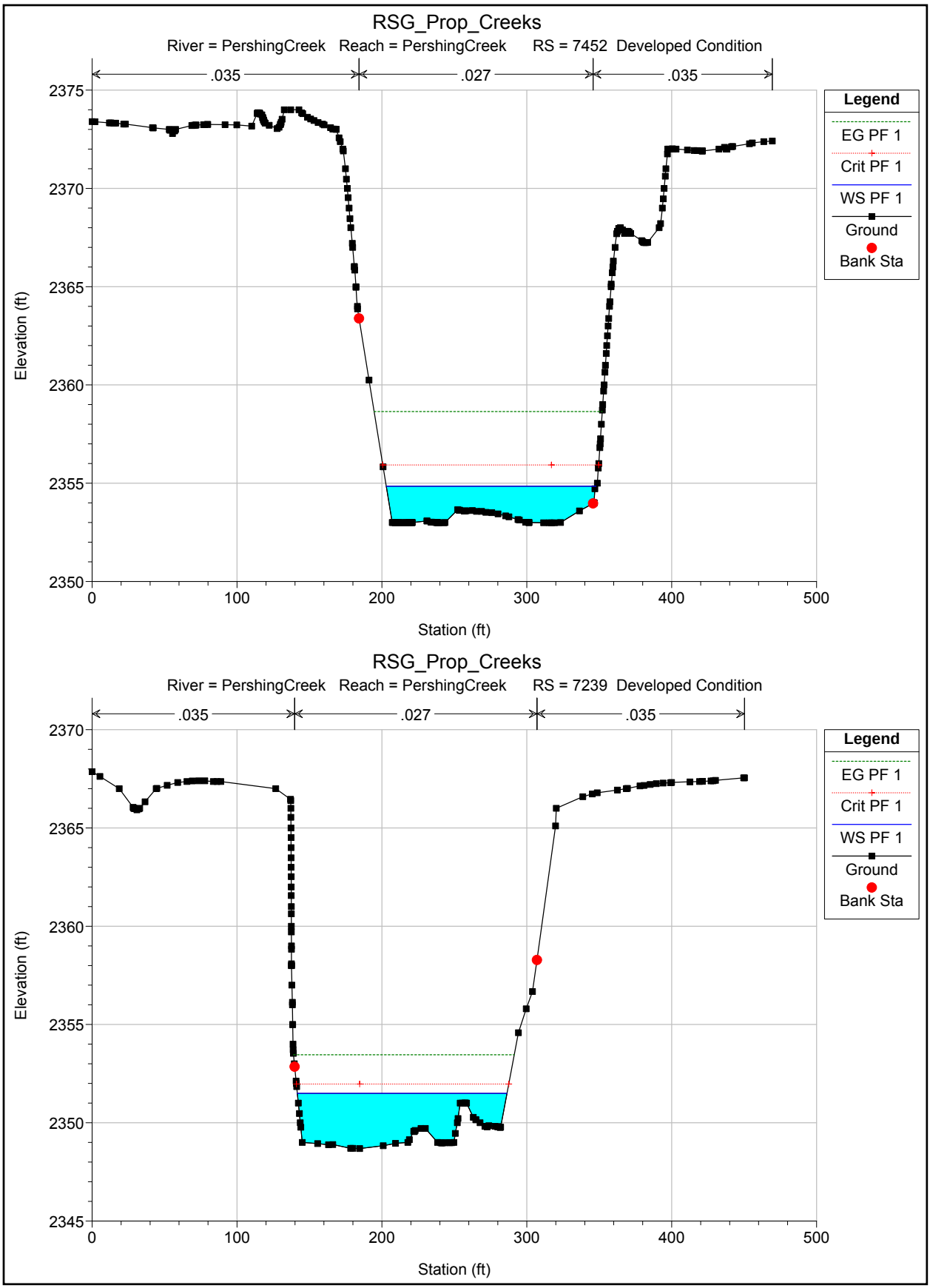

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8885 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2410
2405
2400
2395
2390
2385
2380
2375
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8802 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2405
2400
2395
2390
2385
2380
2375
0
100
200
300
400
500

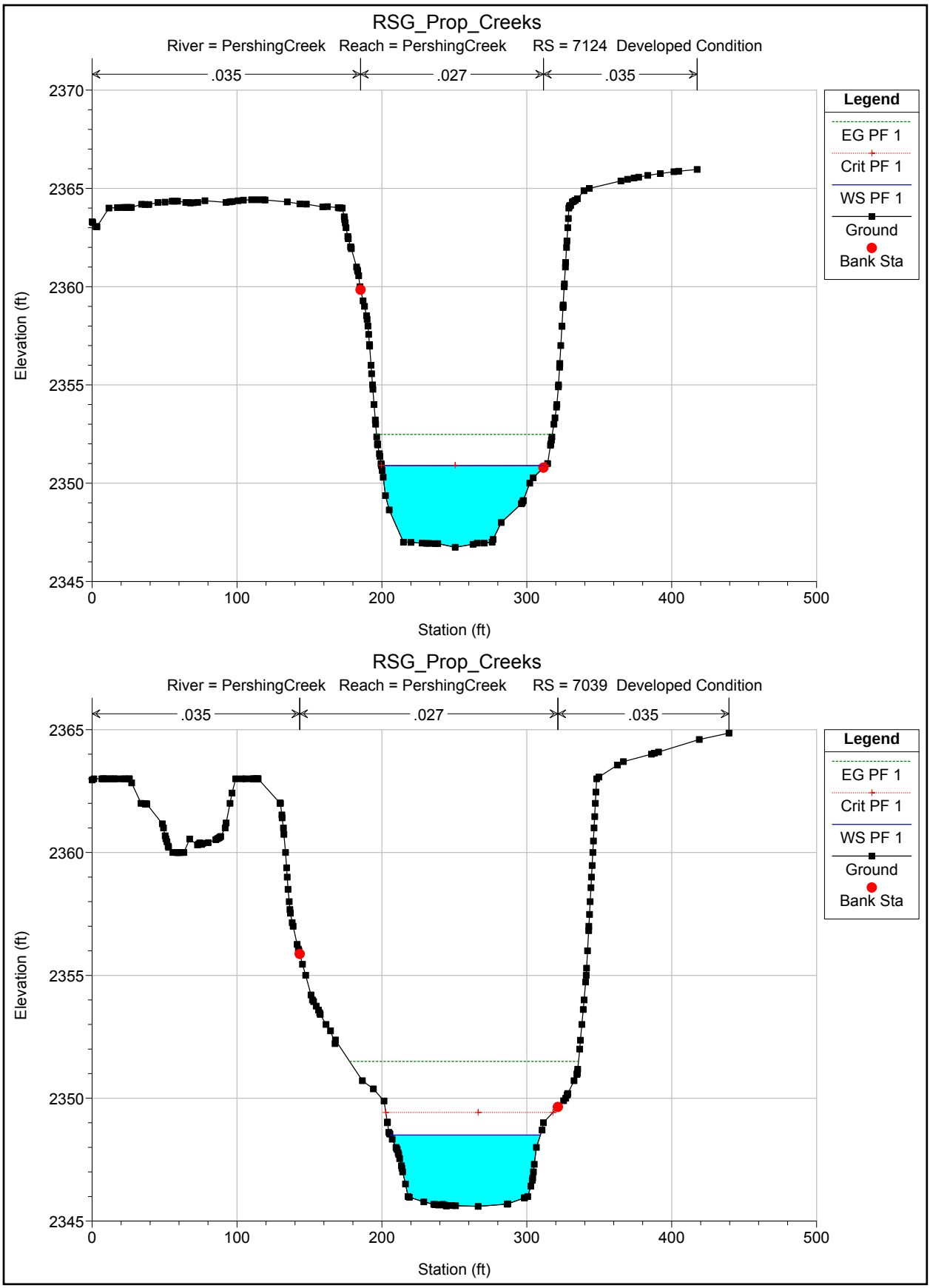

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8664 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2405
2400
2395
2390
2385
2380
2375
2370
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8445 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2400
2395
2390
2385
2380
2375
2370
2365
0
100
200
300
400
500

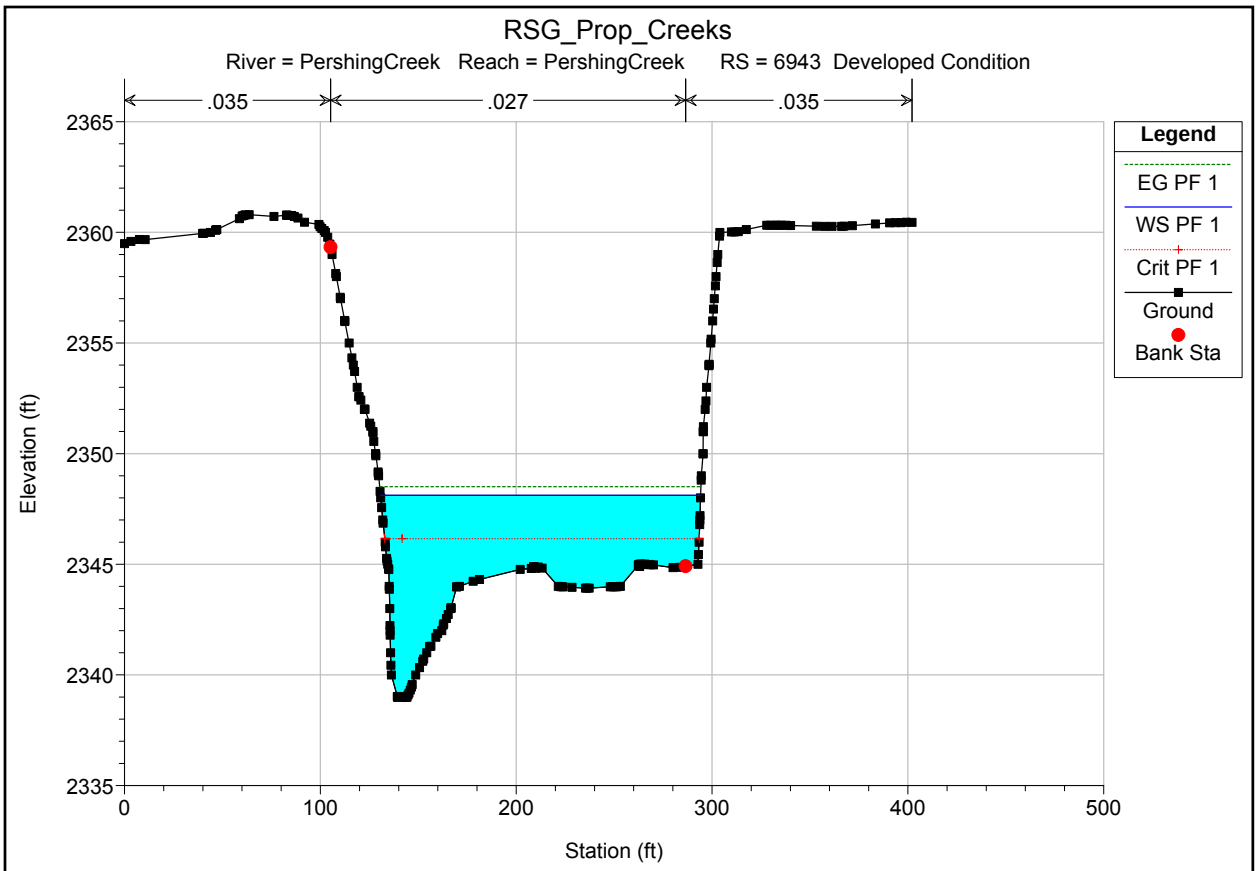

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8282 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8141 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

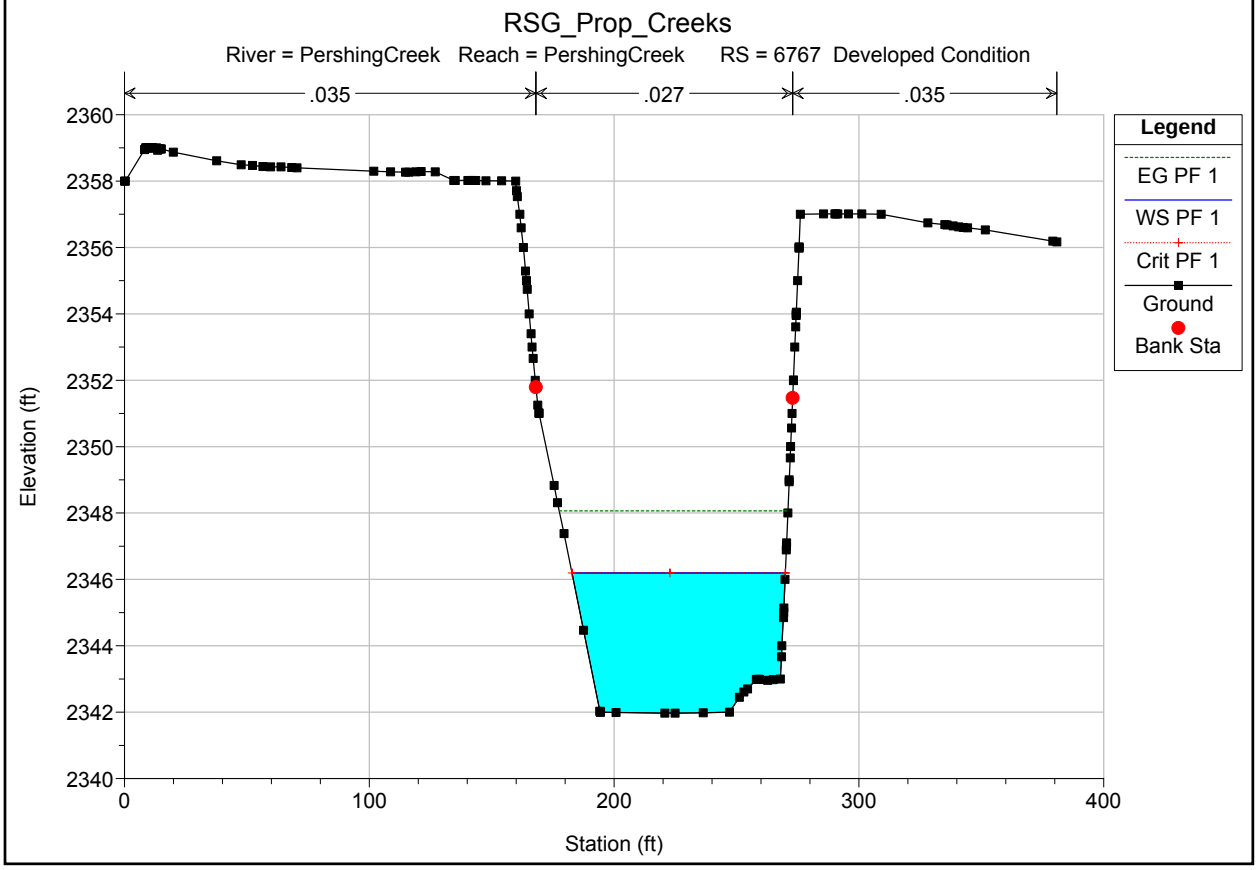

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 8054 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2390
2385
2380
2375
2370
2365
2360
0
100
200
300
400
500
600
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7859 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2385
2380
2375
2370
2365
2360
2355
0
100
200
300
400
500

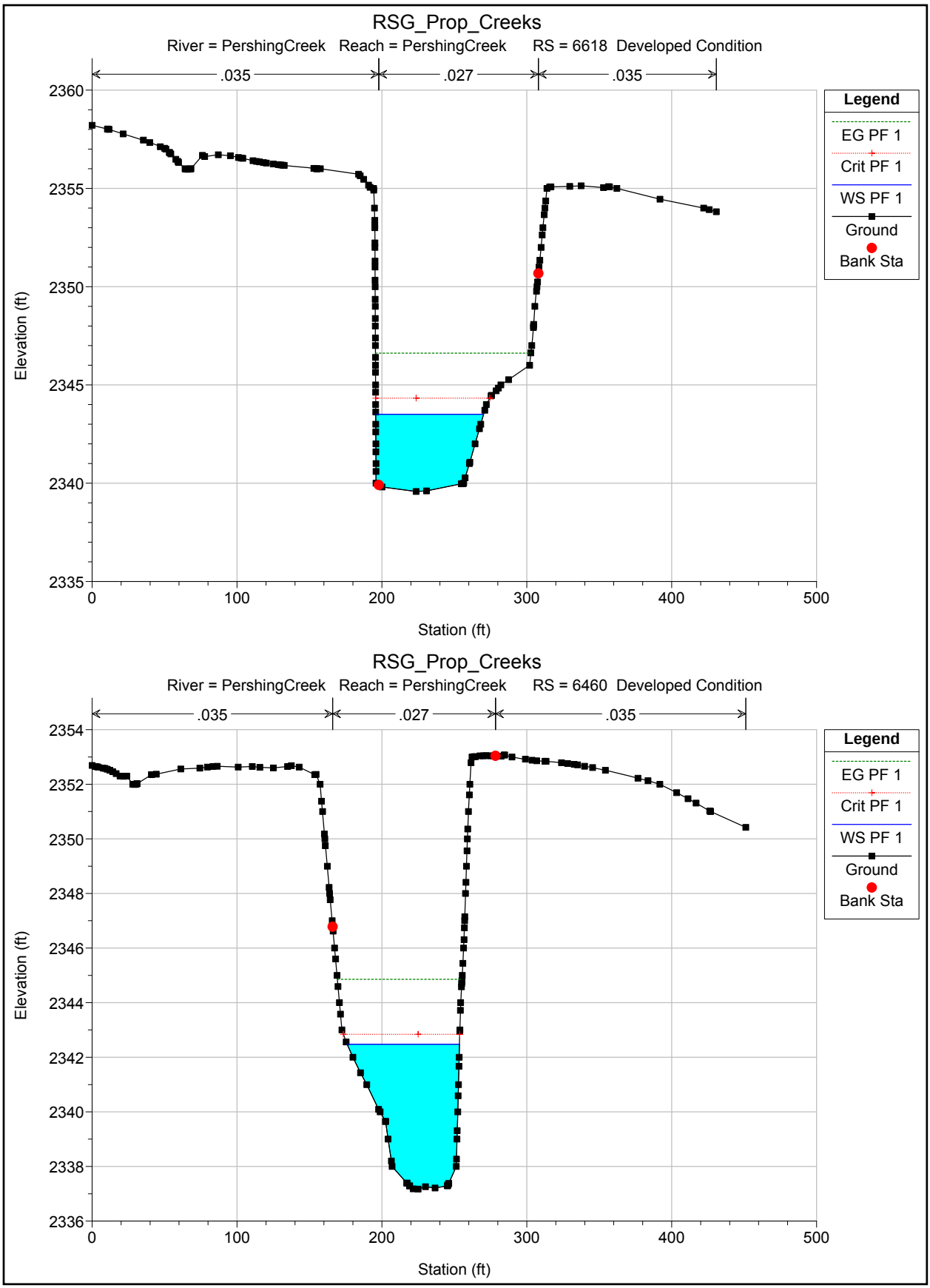

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7773 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2380
2375
2370
2365
2360
2355
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7640 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

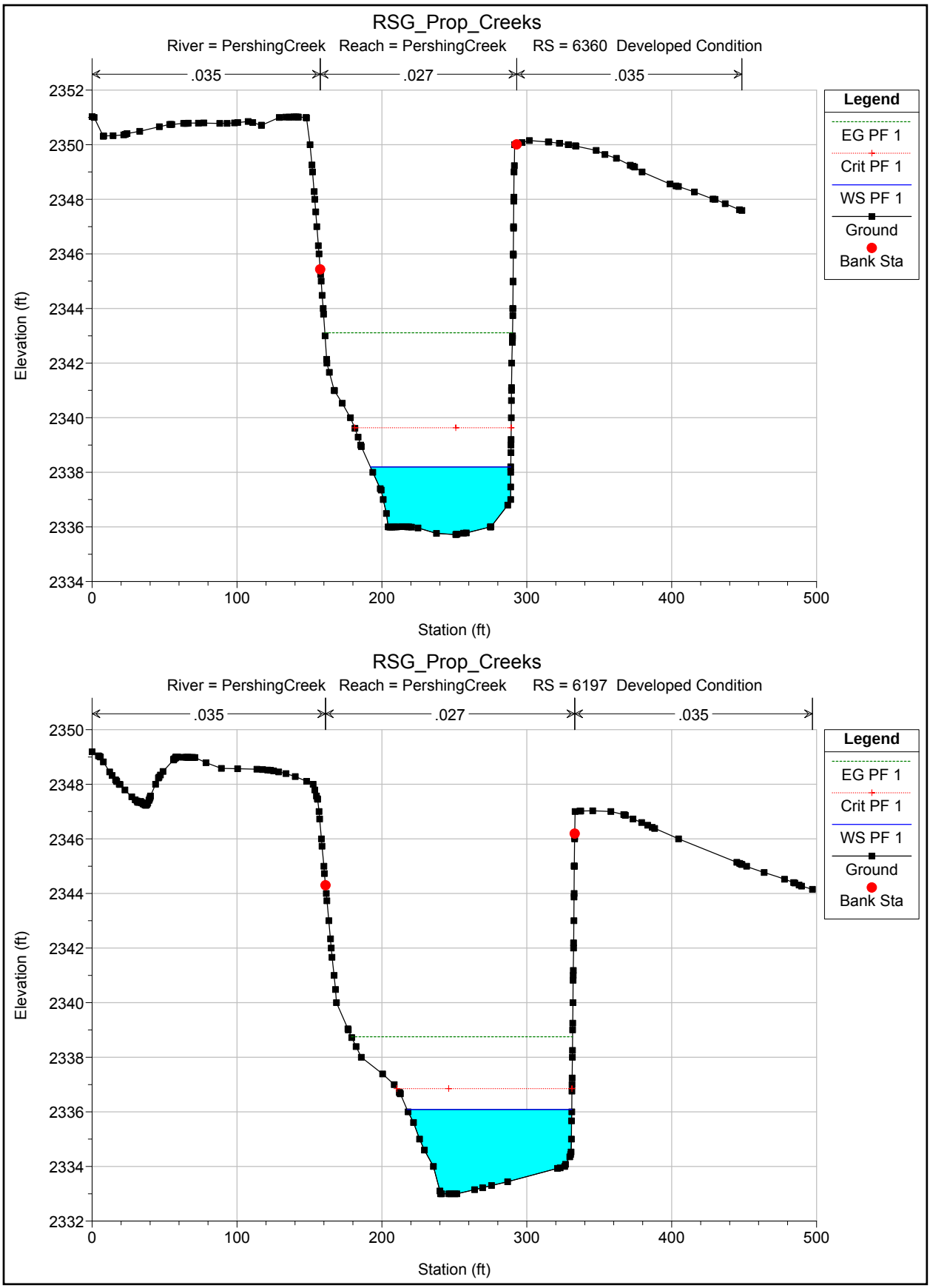

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7452 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2375
2370
2365
2360
2355
2350
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7239 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2370
2365
2360
2355
2350
2345
0
100
200
300
400
500

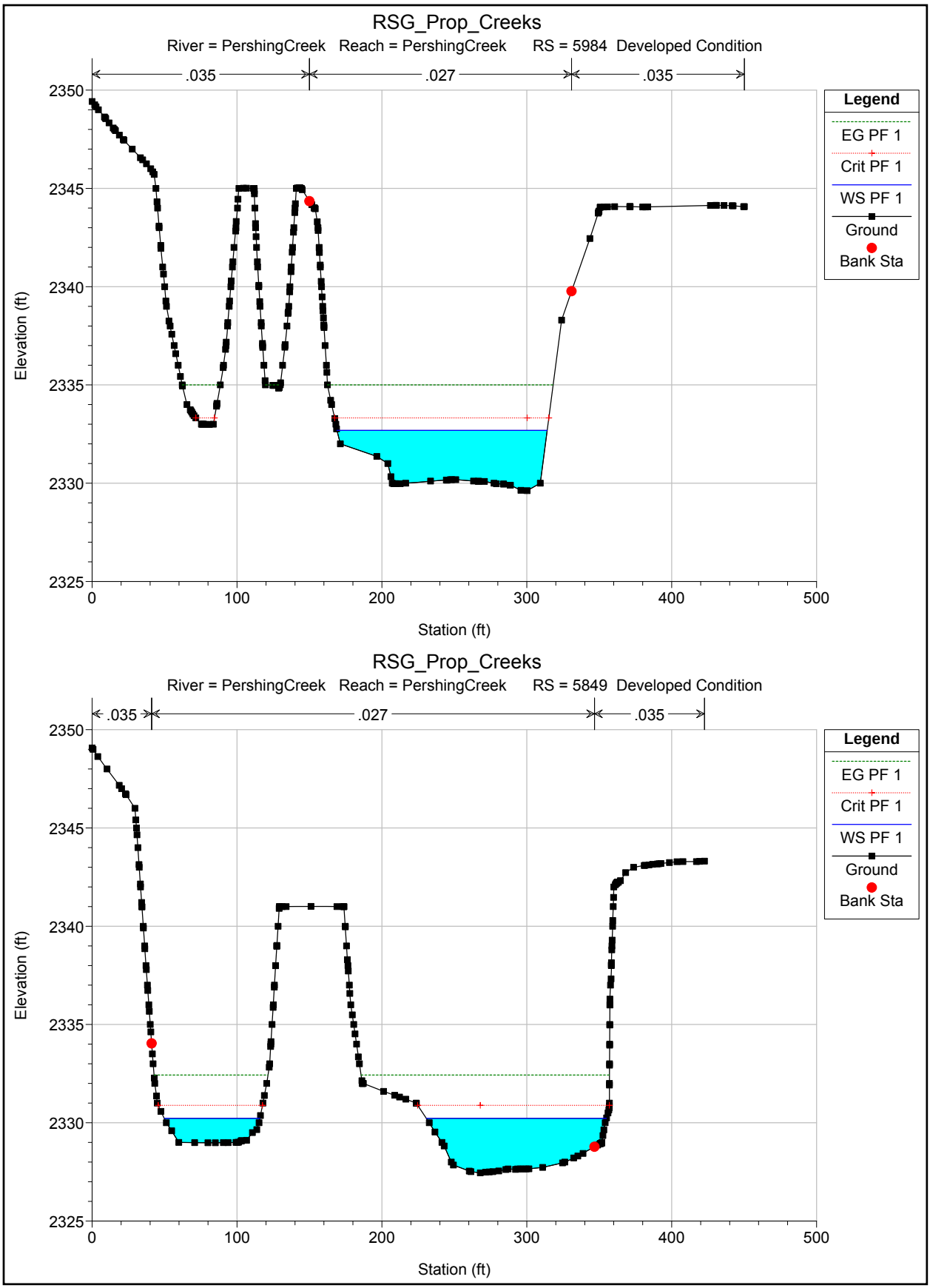

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7124 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2370
2365
2360
2355
2350
2345
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 7039 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2365
2360
2355
2350
2345
0
100
200
300
400
500

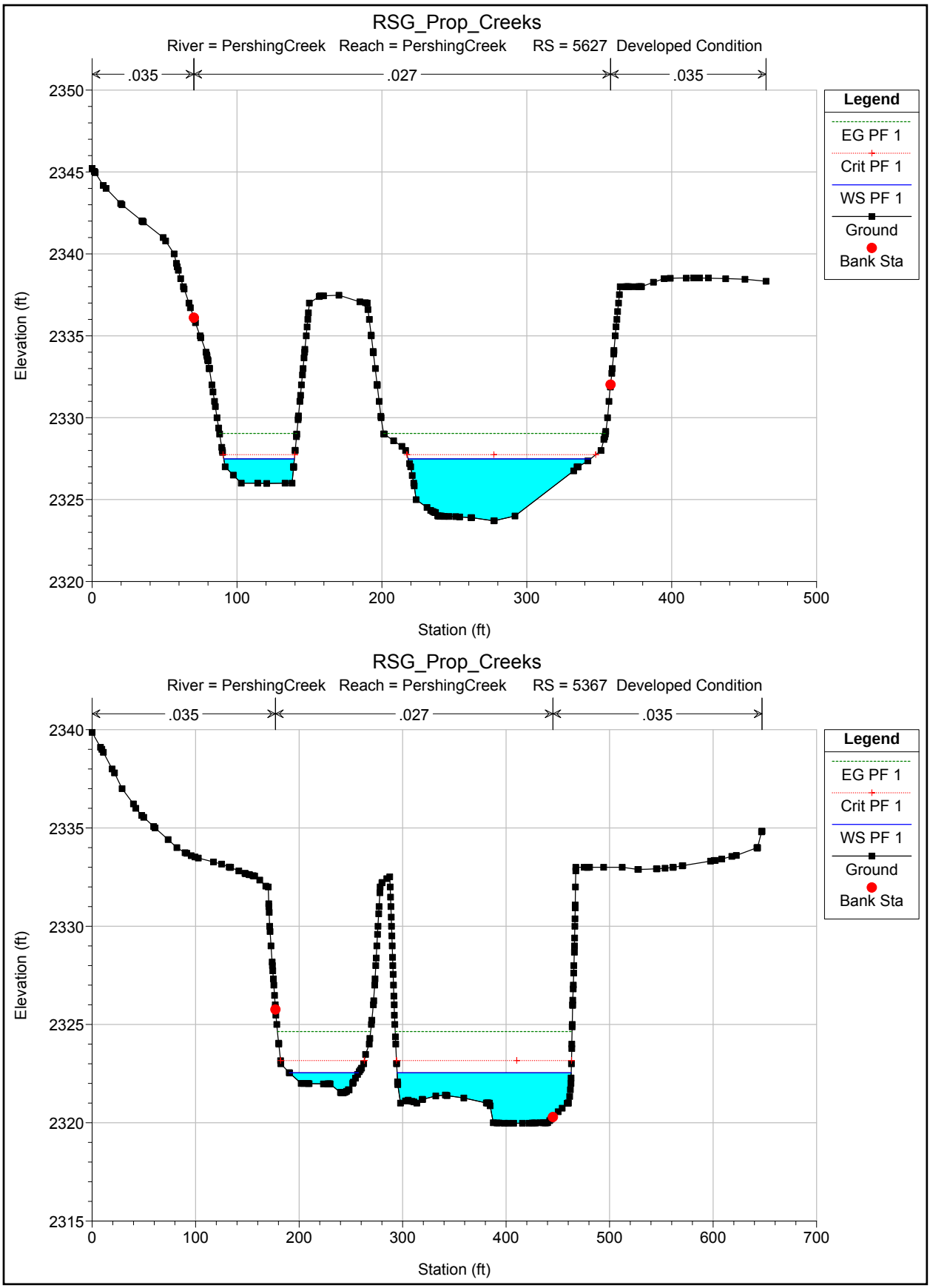

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 6943 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2365
2360
2355
2350
2345
2340
2335
0
100
200
300
400
500

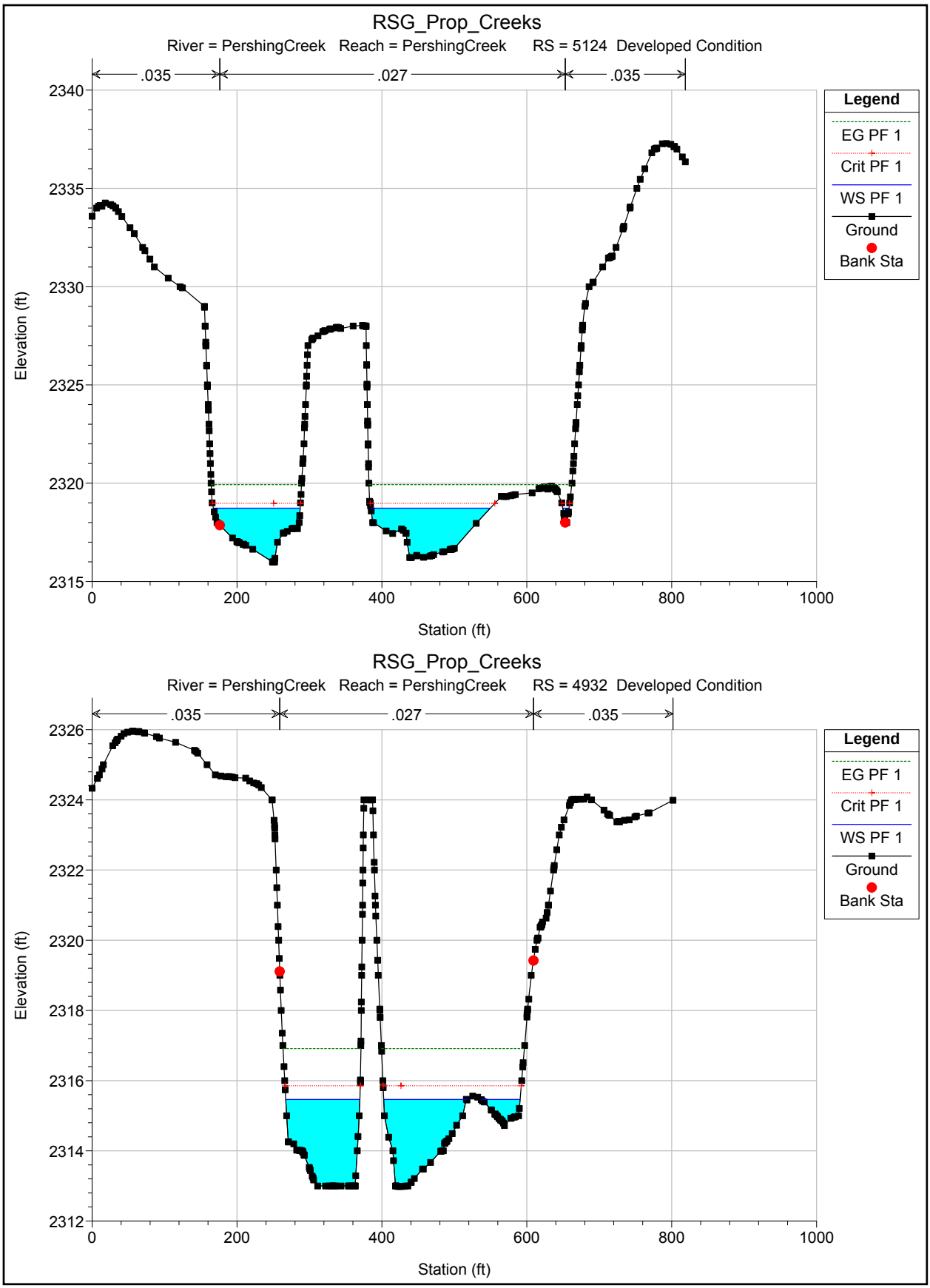

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 6767 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2360
2358
2356
2354
2352
2350
2348
2346
2344
2342
2340
0
100
200
300
400

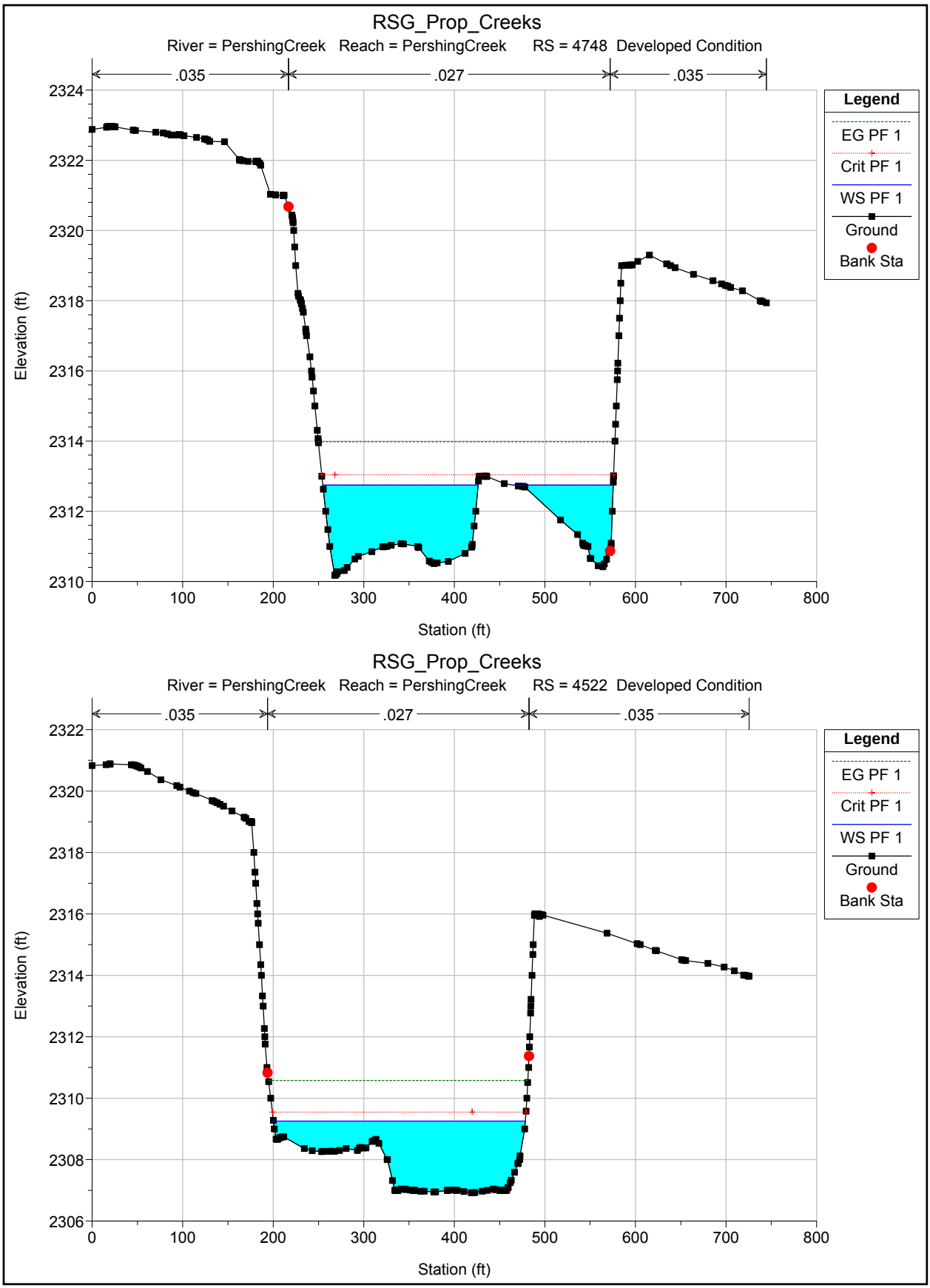

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 6618 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 6460 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

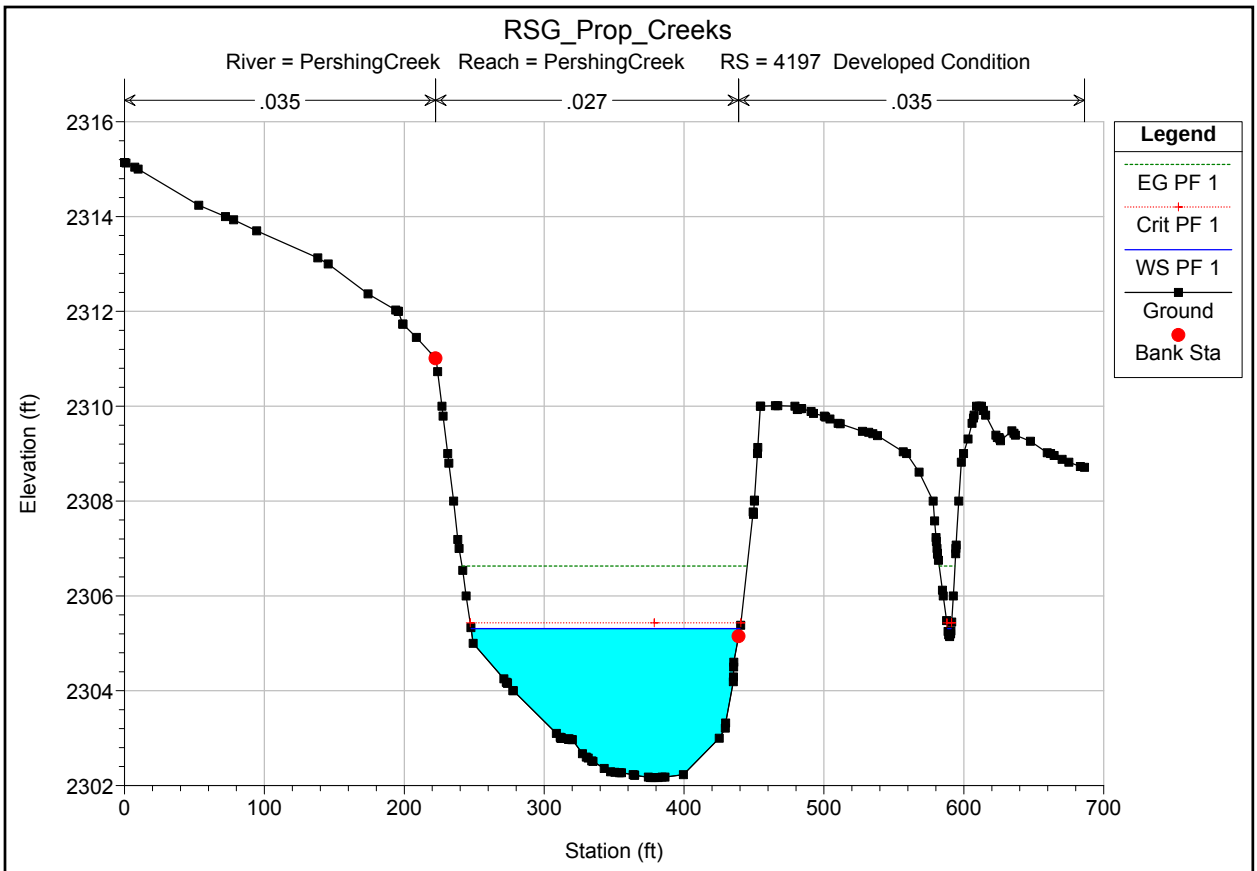

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 6360 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 6197 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

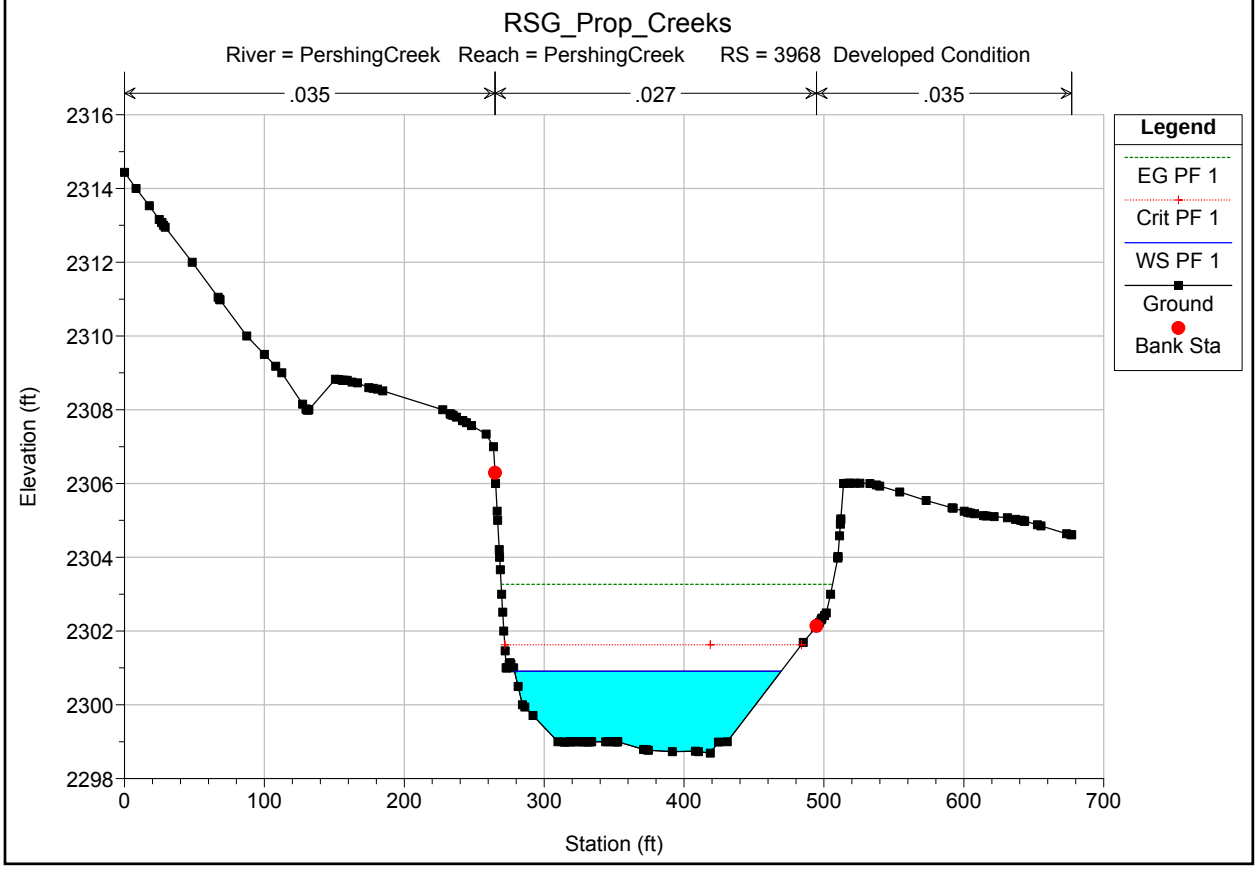

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 5984 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2350
2345
2340
2335
2330
2325
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 5849 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

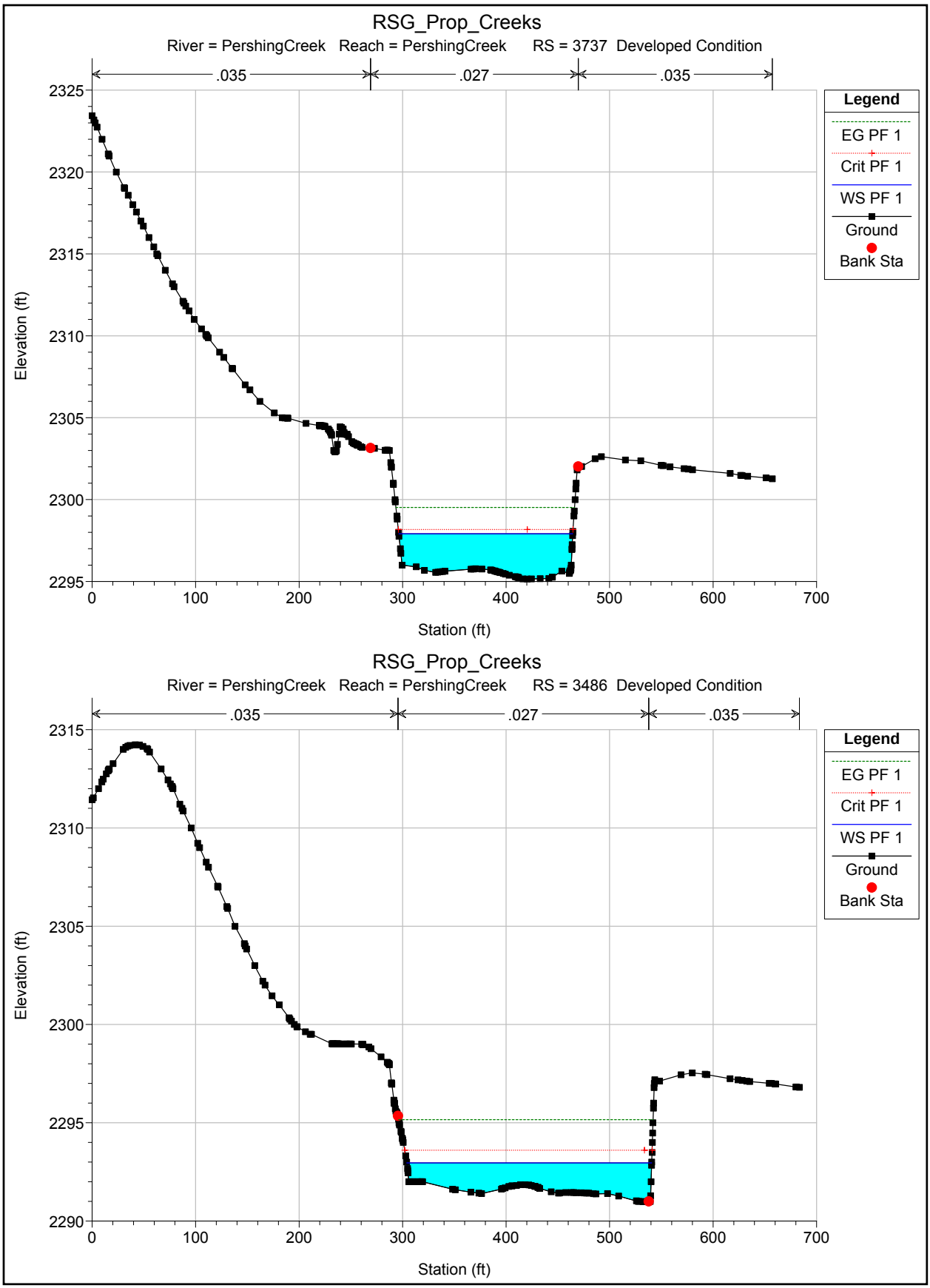

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 5627 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 5367 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

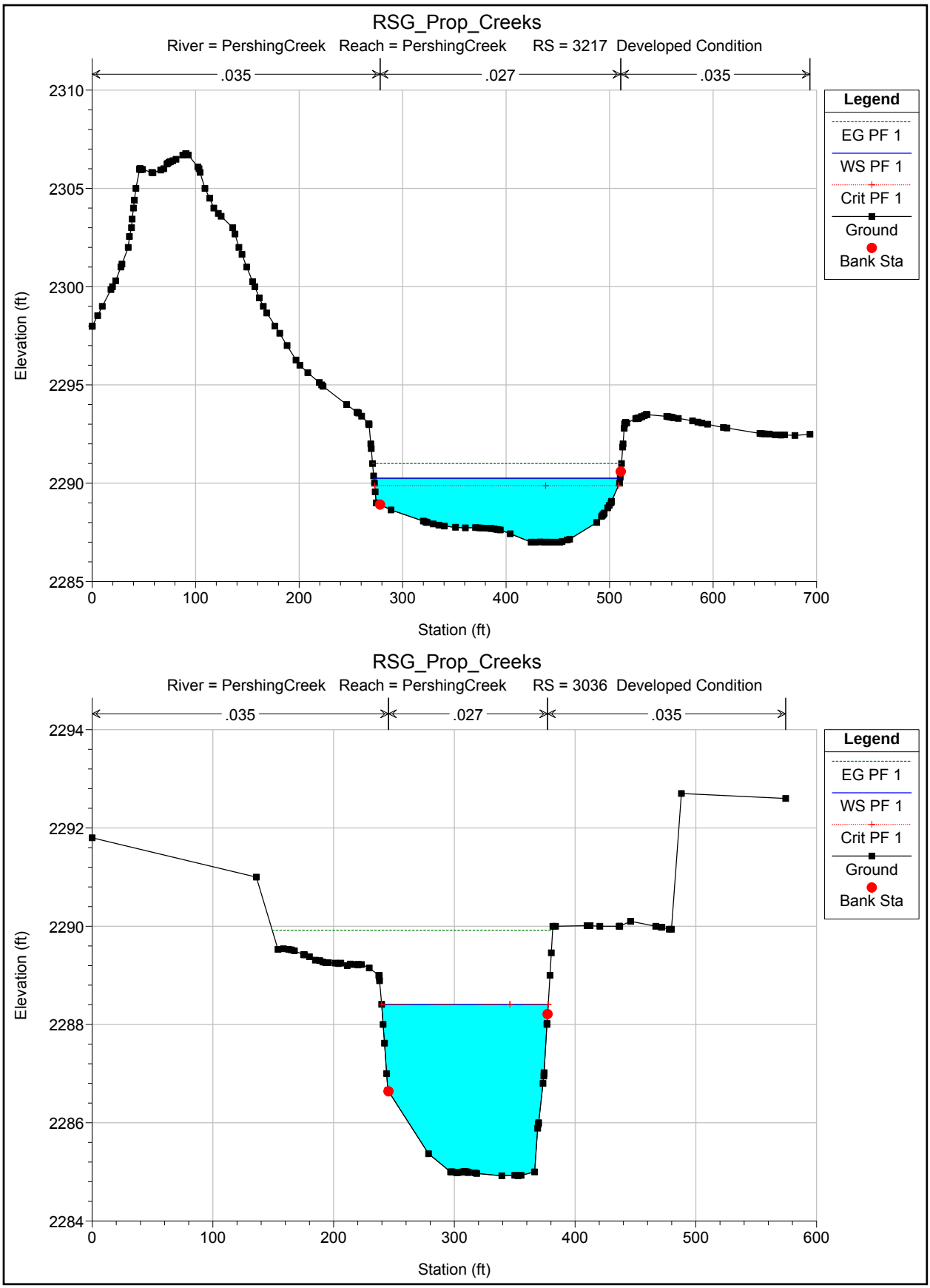

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 5124 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2340
2335
2330
2325
2320
2315
0
200
400
600
800
1000
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 4932 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2326
2324
2322
2320
2318
2316
2314
2312
0
200
400
600
800
1000

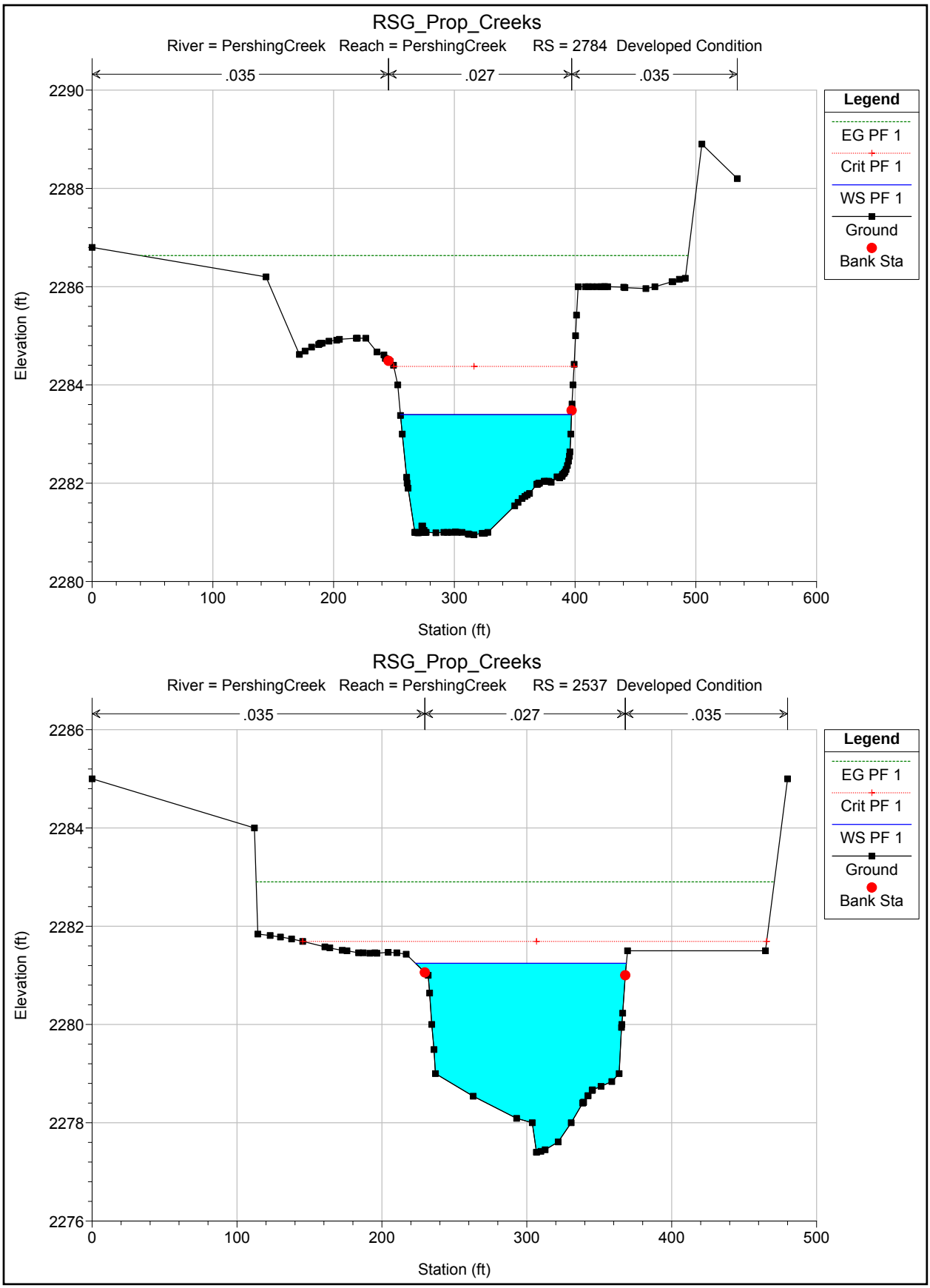

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 4748 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2324
2322
2320
2318
2316
2314
2312
2310
0
100
200
300
400
500
600
700
800
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 4522 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2322
2320
2318
2316
2314
2312
2310
2308
2306
0
100
200
300
400
500
600
700
800

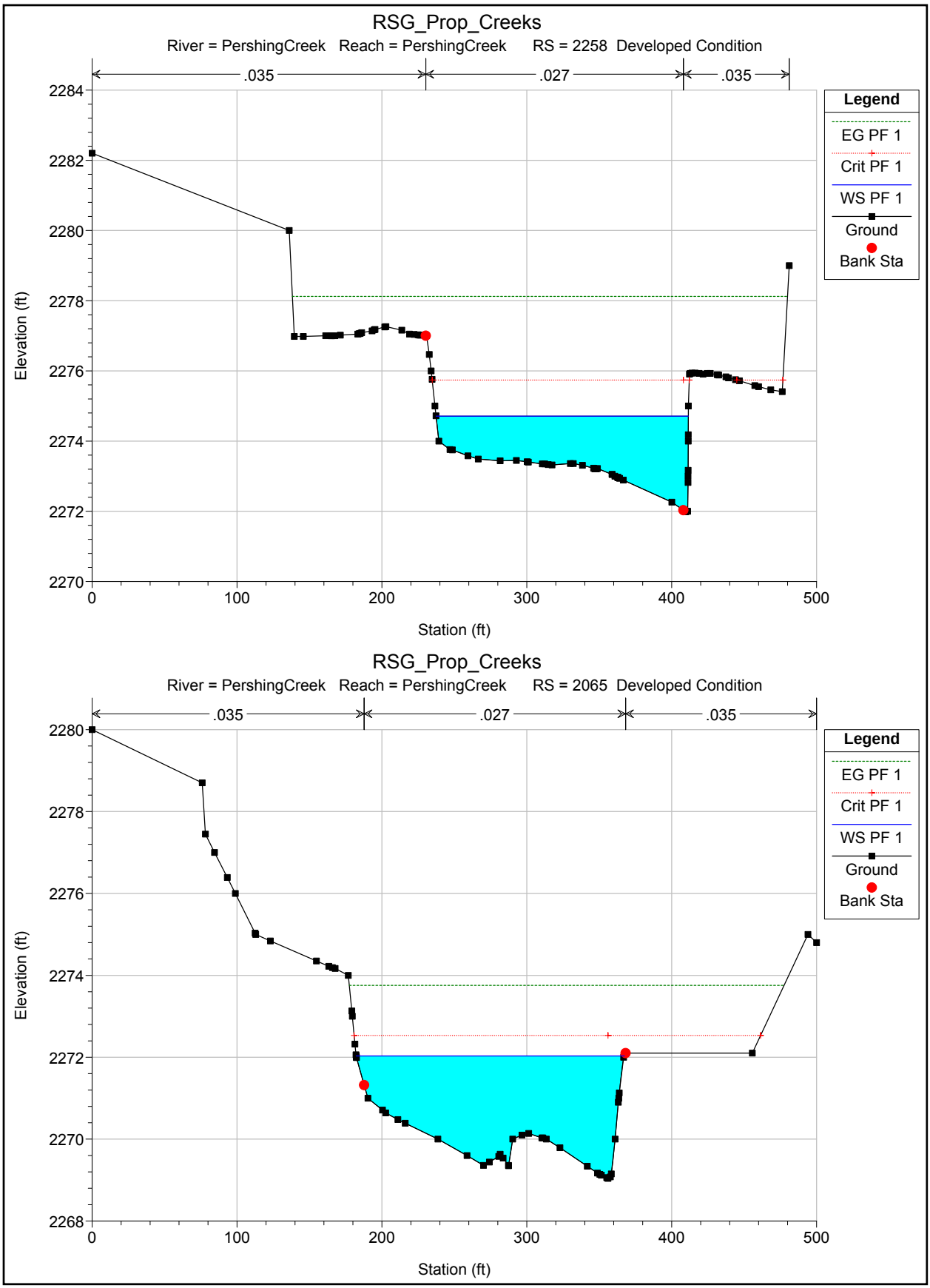

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 4197 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2316
2314
2312
2310
2308
2306
2304
2302
0
100
200
300
400
500
600
700

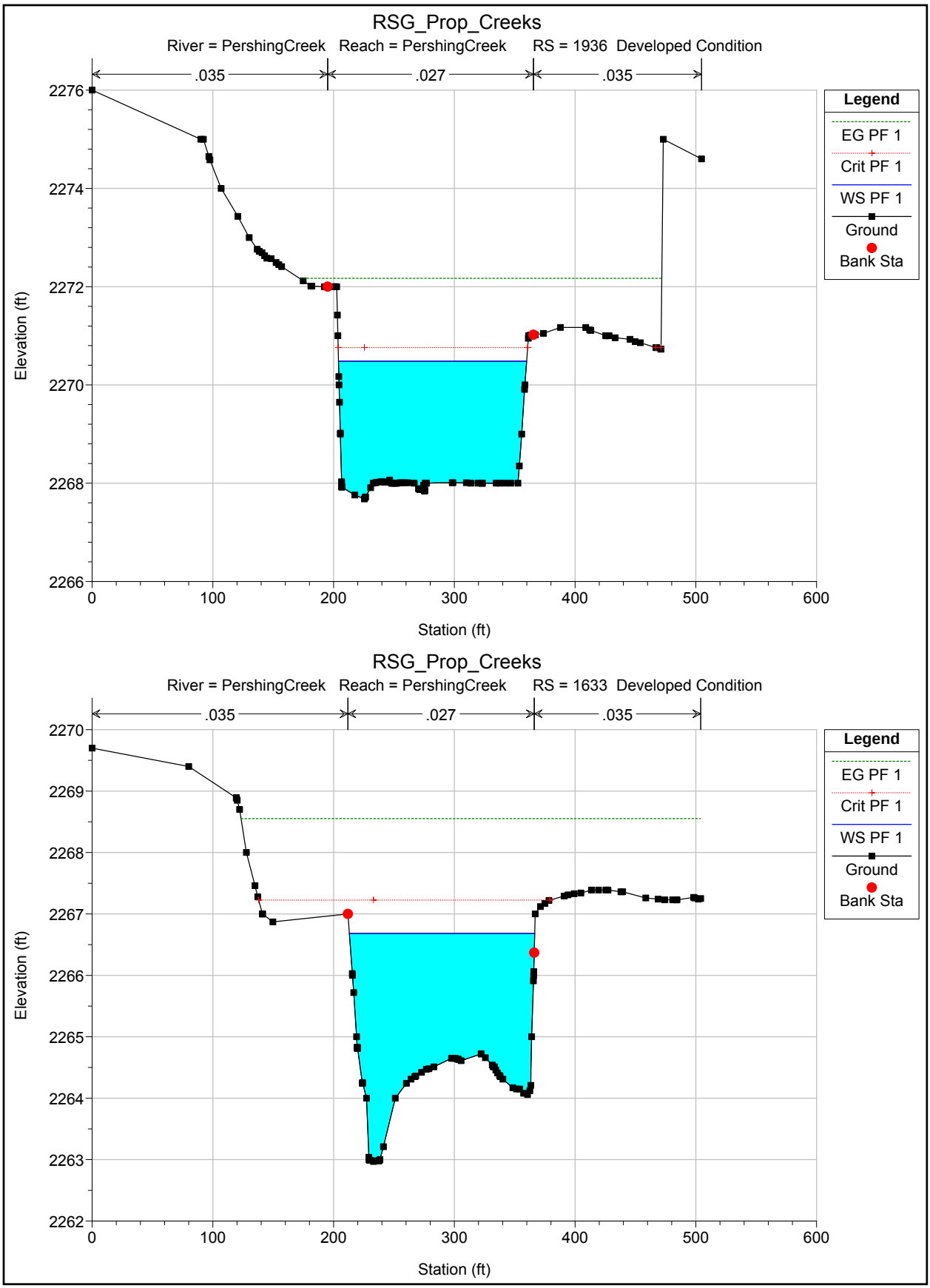

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 3968 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2316
2314
2312
2310
2308
2306
2304
2302
2300
2298
0
100
200
300
400
500
600
700

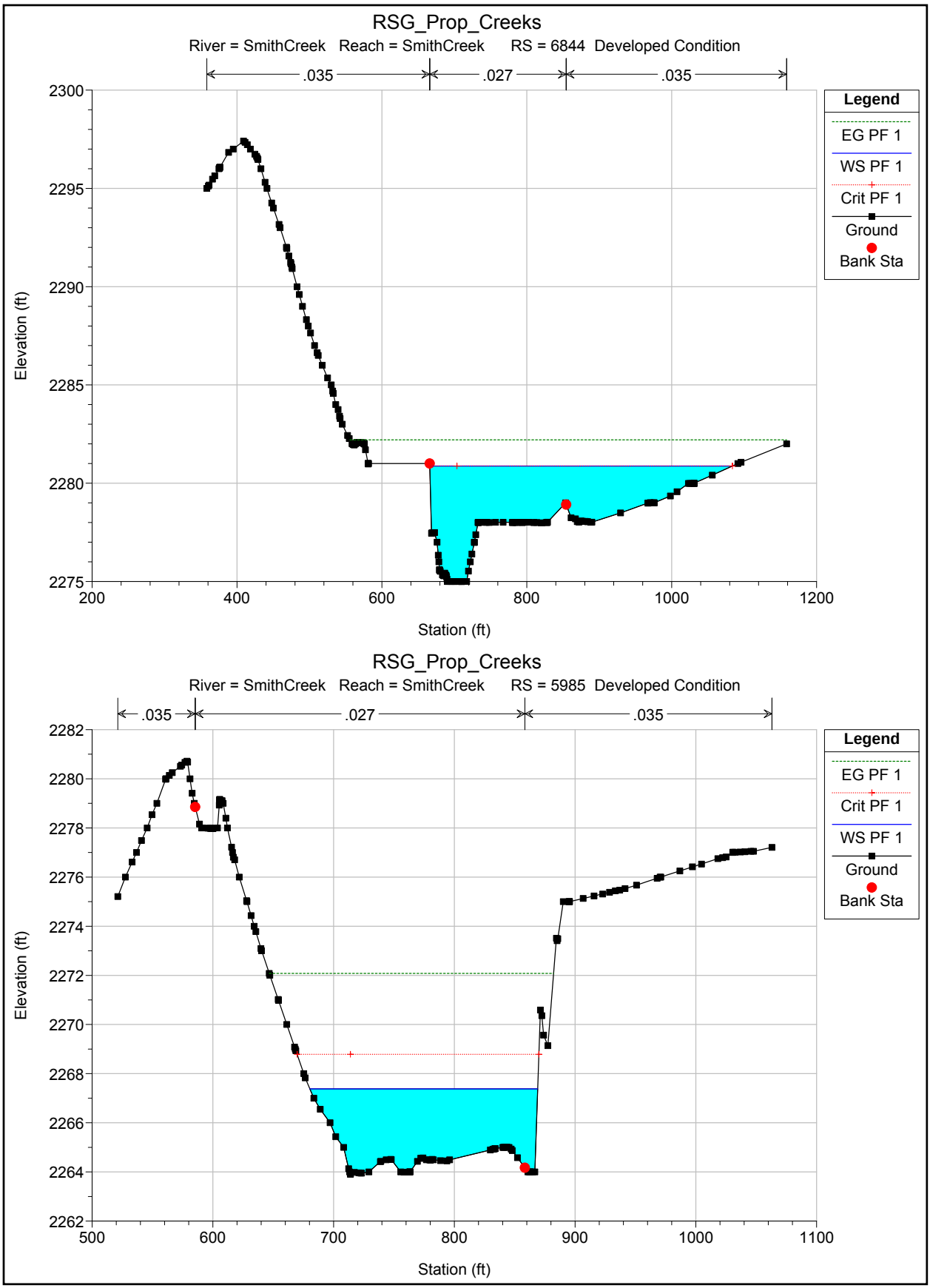

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 3737 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2325
2320
2315
2310
2305
2300
2295
0
100
200
300
400
500
600
700
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 3486 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2315
2310
2305
2300
2295
2290
0
100
200
300
400
500
600
700

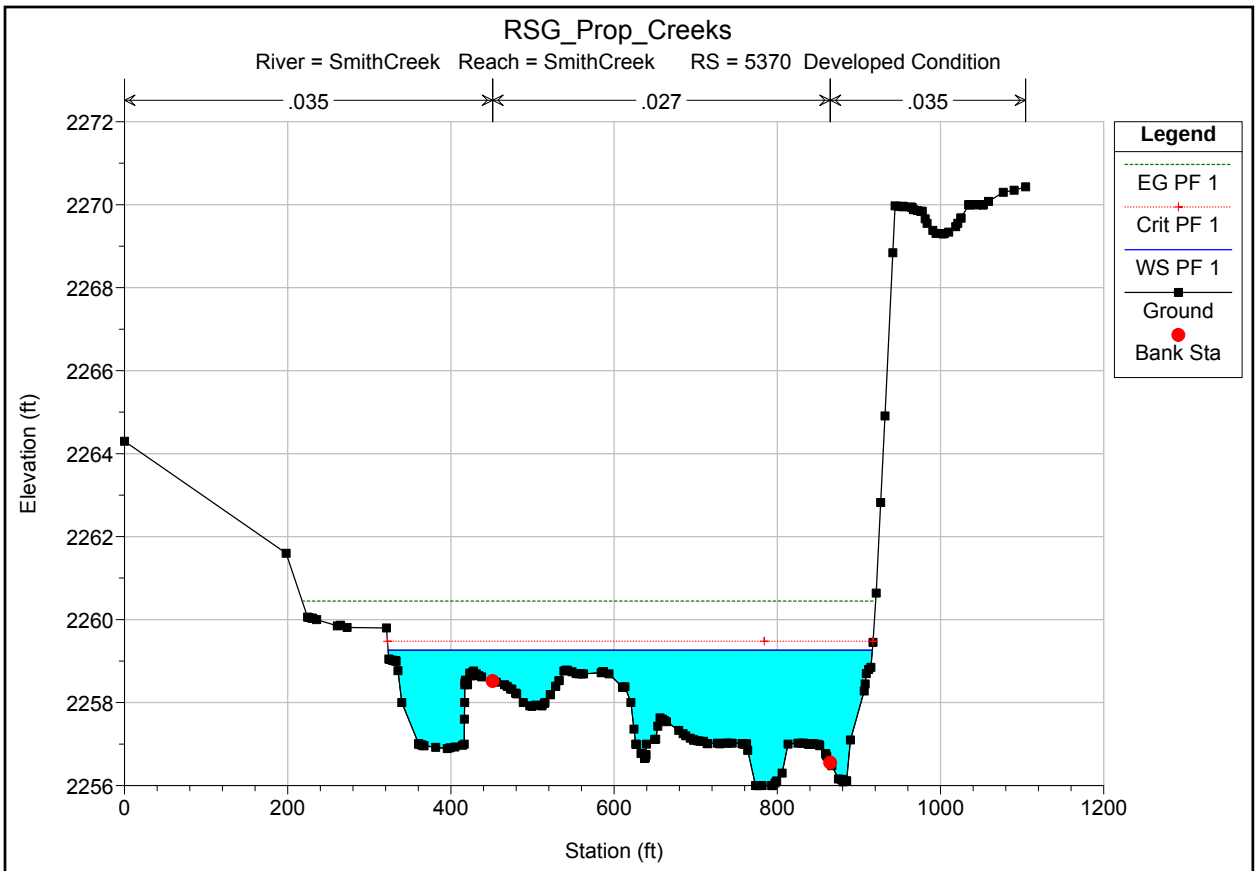

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 3217 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 3036 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

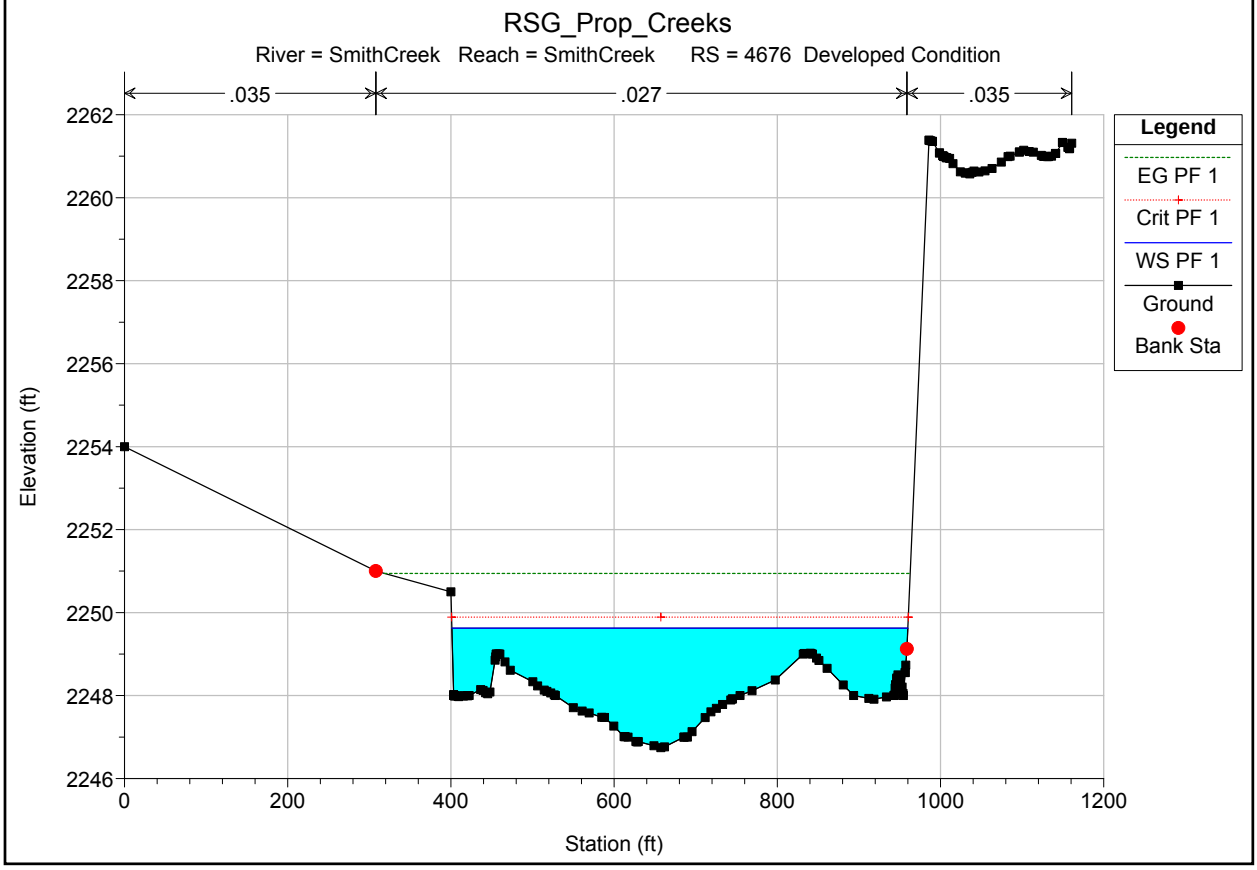

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 2784 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2290
2288
2286
2284
2282
2280
0
100
200
300
400
500
600
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 2537 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2286
2284
2282
2280
2278
2276
0
100
200
300
400
500

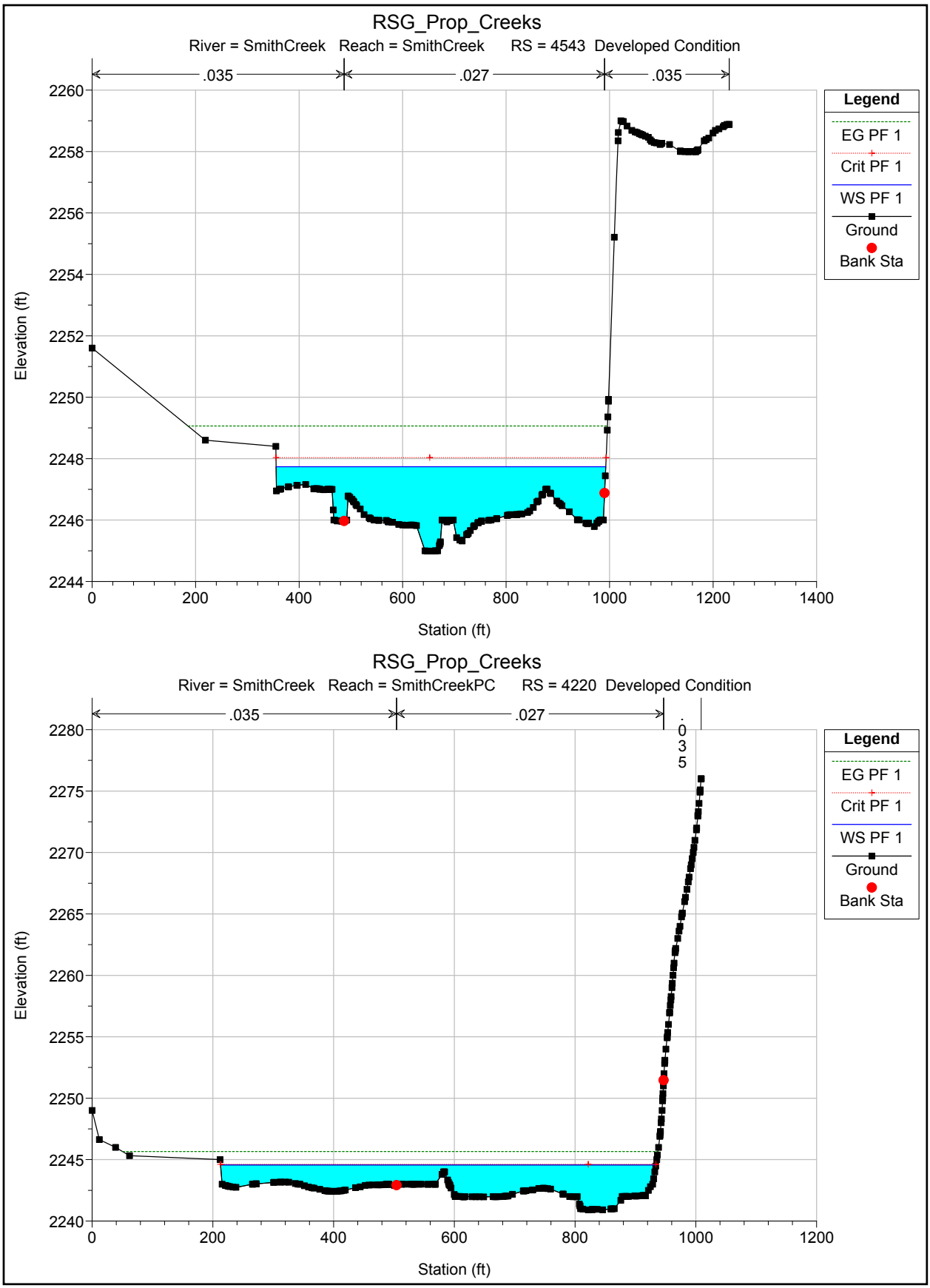

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 2258 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2284
2282
2280
2278
2276
2274
2272
2270
0
100
200
300
400
500
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 2065 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2280
2278
2276
2274
2272
2270
2268
0
100
200
300
400
500

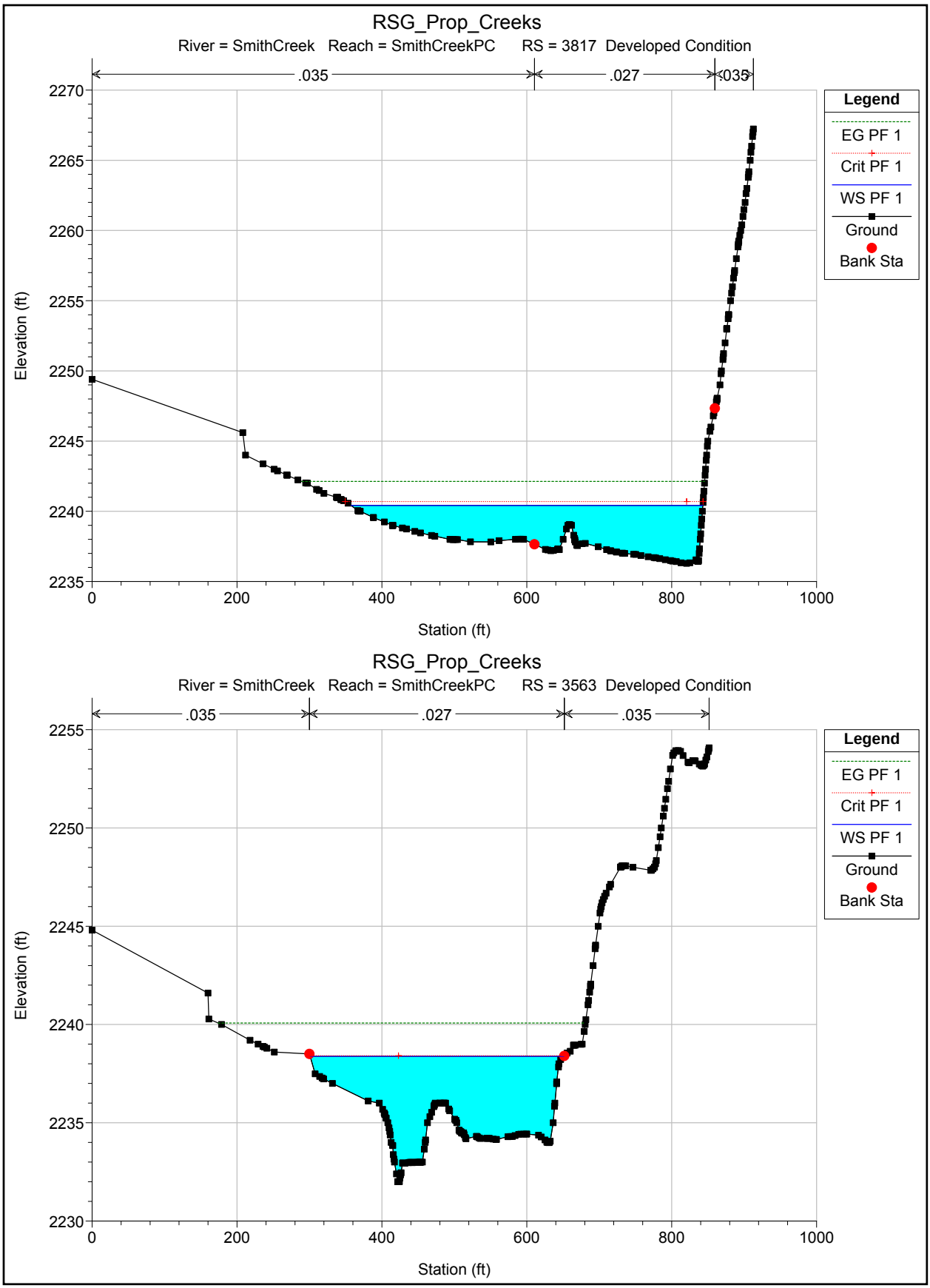

RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 1936 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2276
2274
2272
2270
2268
2266
0
100
200
300
400
500
600
RSG_Prop_Creeks
River = PershingCreek Reach = PershingCreek RS = 1633 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2270
2269
2268
2267
2266
2265
2264
2263
2262
0
100
200
300
400
500
600

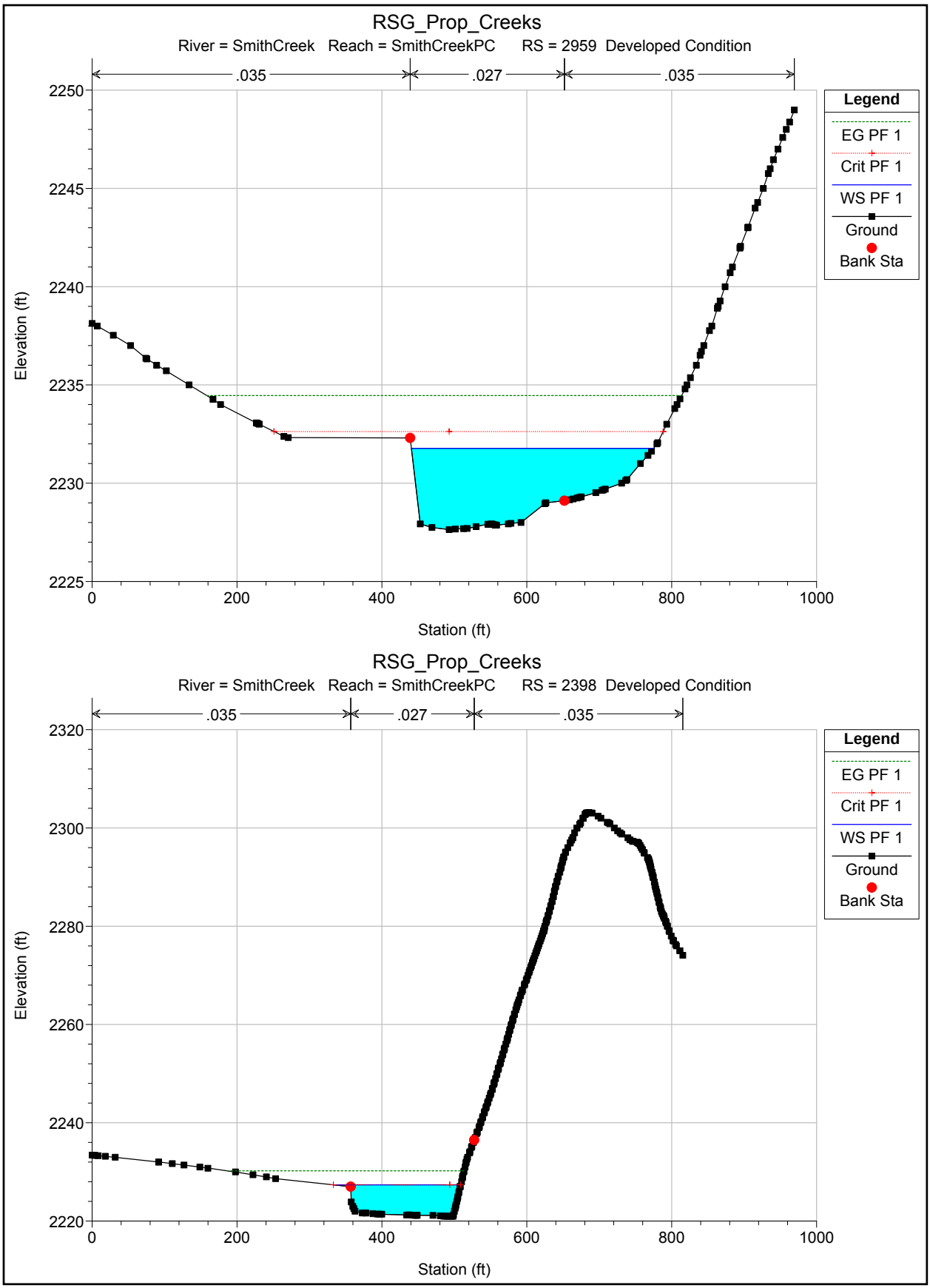

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreek RS = 6844 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2300
2295
2290
2285
2280
2275
200
400
600
800
1000
1200
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreek RS = 5985 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2282
2280
2278
2276
2274
2272
2270
2268
2266
2264
2262
500
600
700
800
900
1000
1100

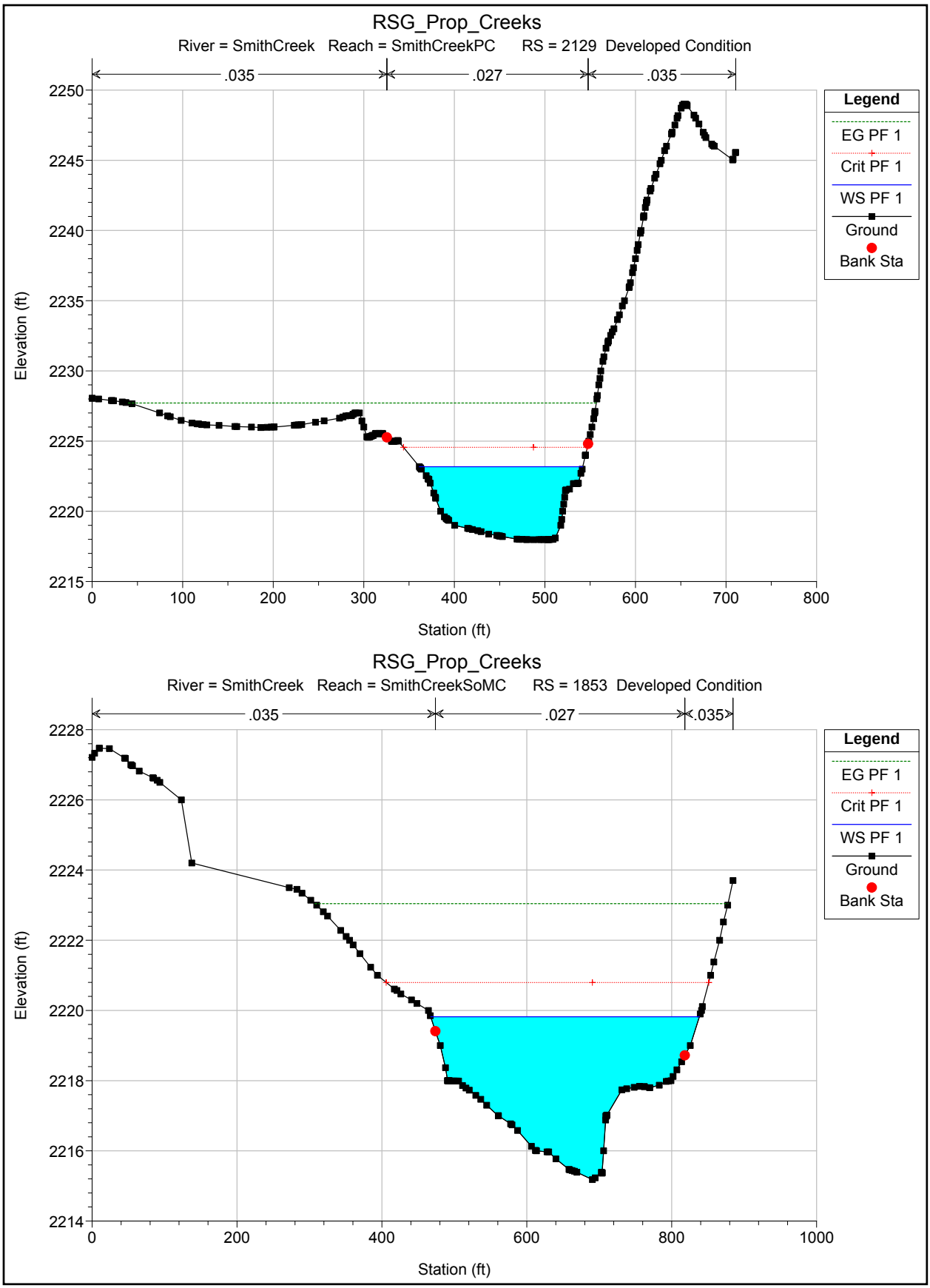

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreek RS = 5370 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2272
2270
2268
2266
2264
2262
2260
2258
2256
0
200
400
600
800
1000
1200

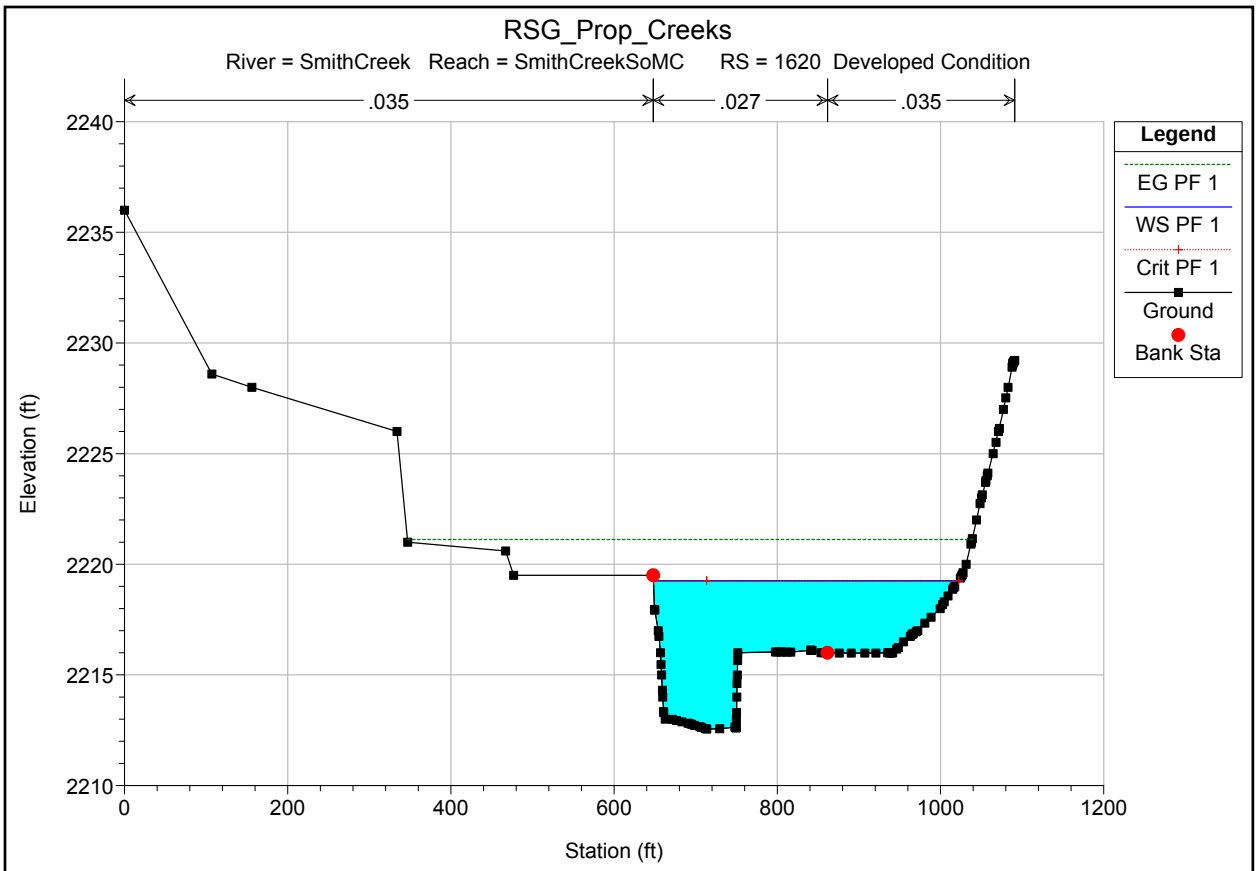

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreek RS = 4676 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2262
2260
2258
2256
2254
2252
2250
2248
2246
0
200
400
600
800
1000
1200

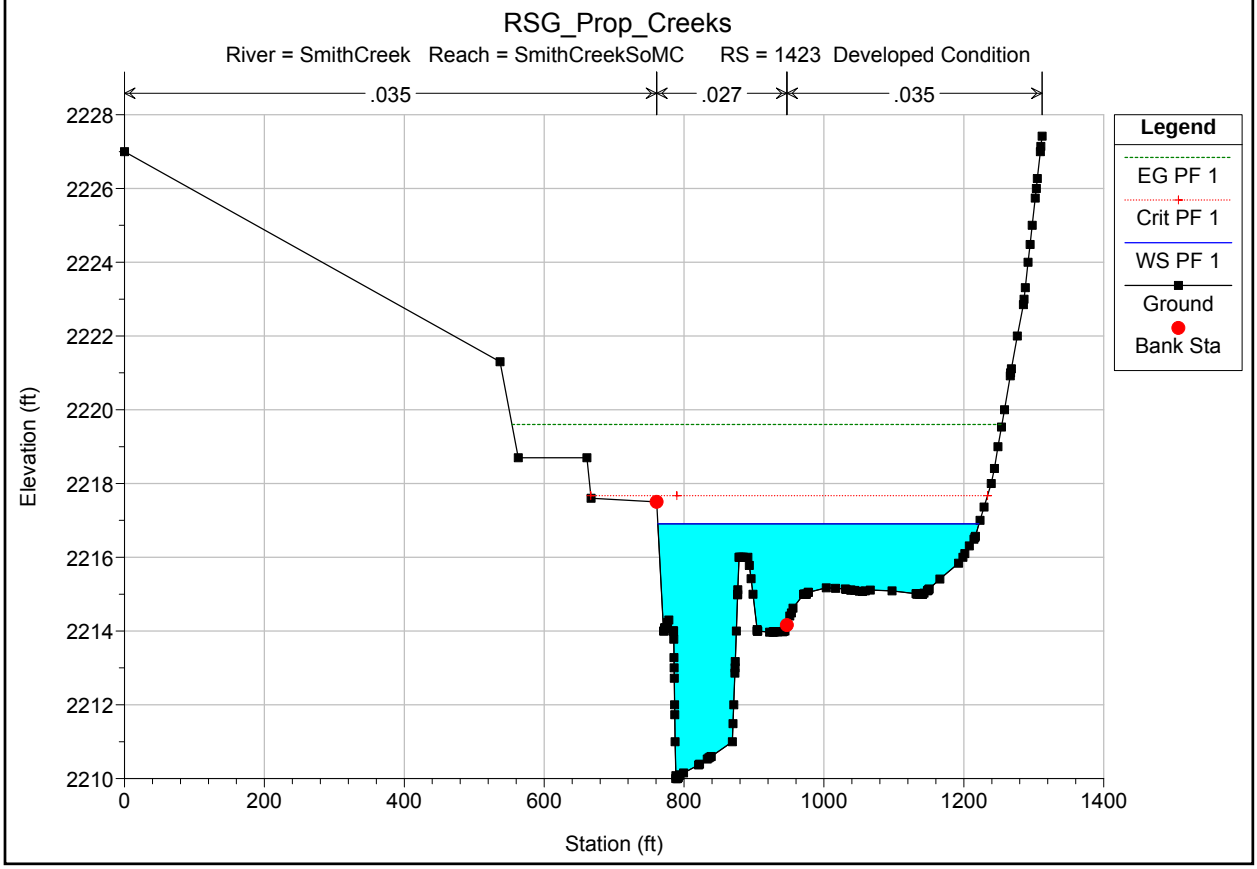

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreek RS = 4543 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 4220 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

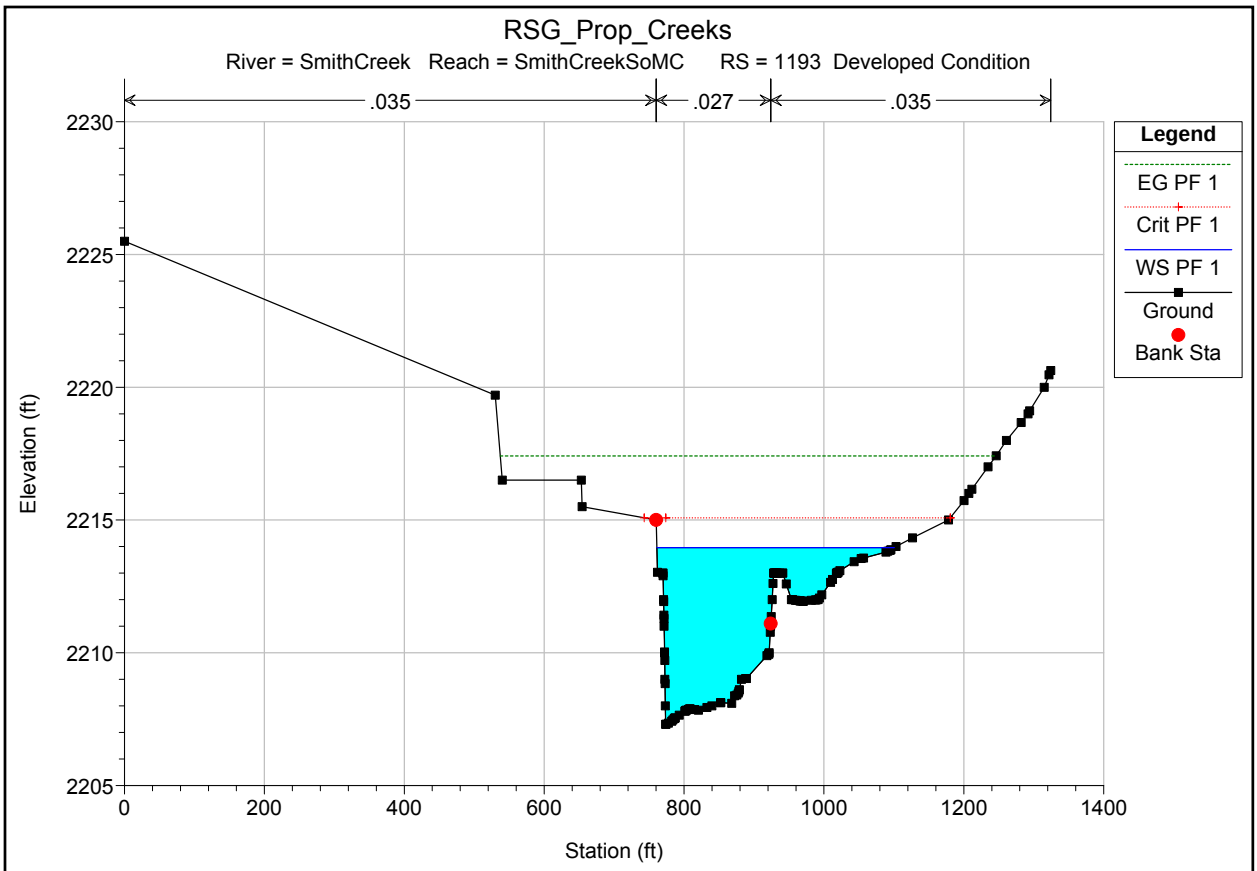

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 3817 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 3563 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

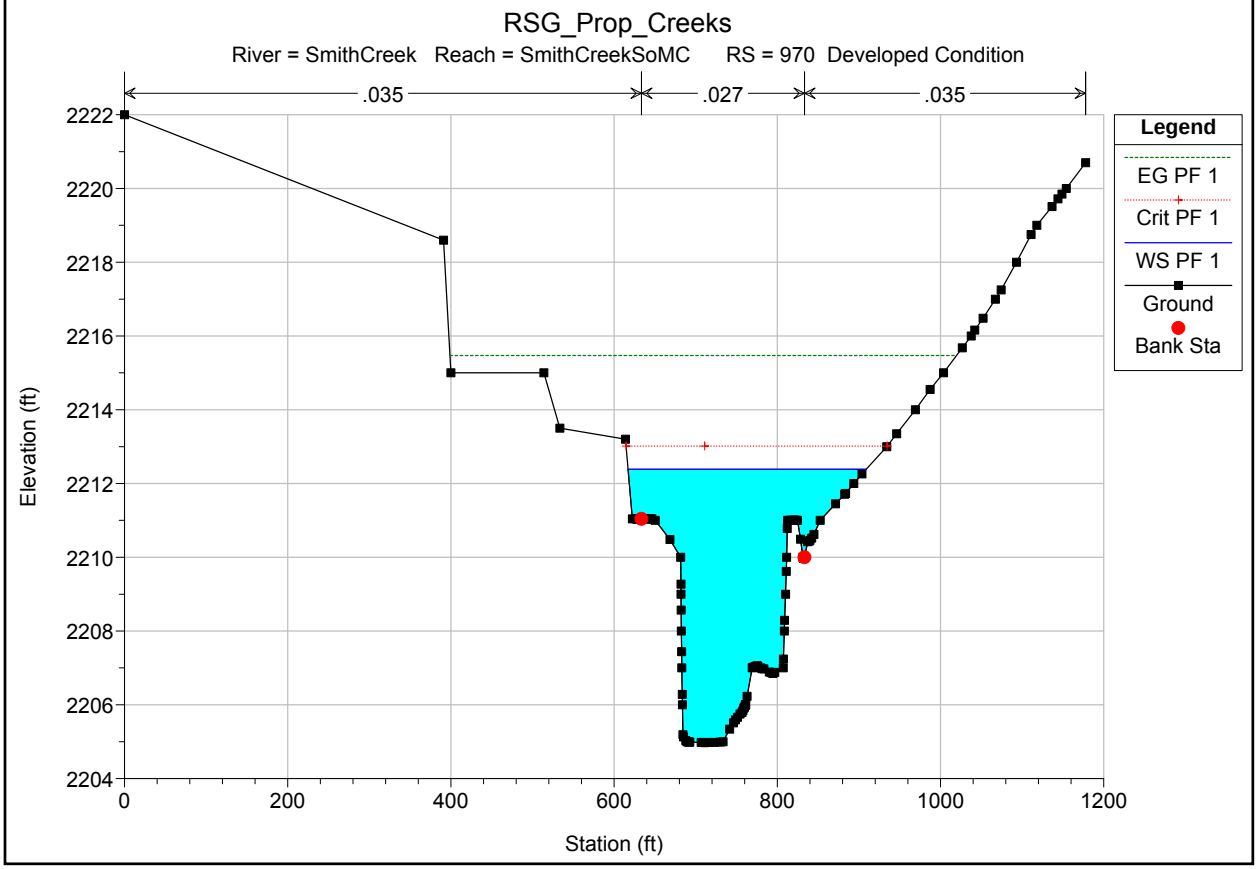

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 2959 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 2398 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

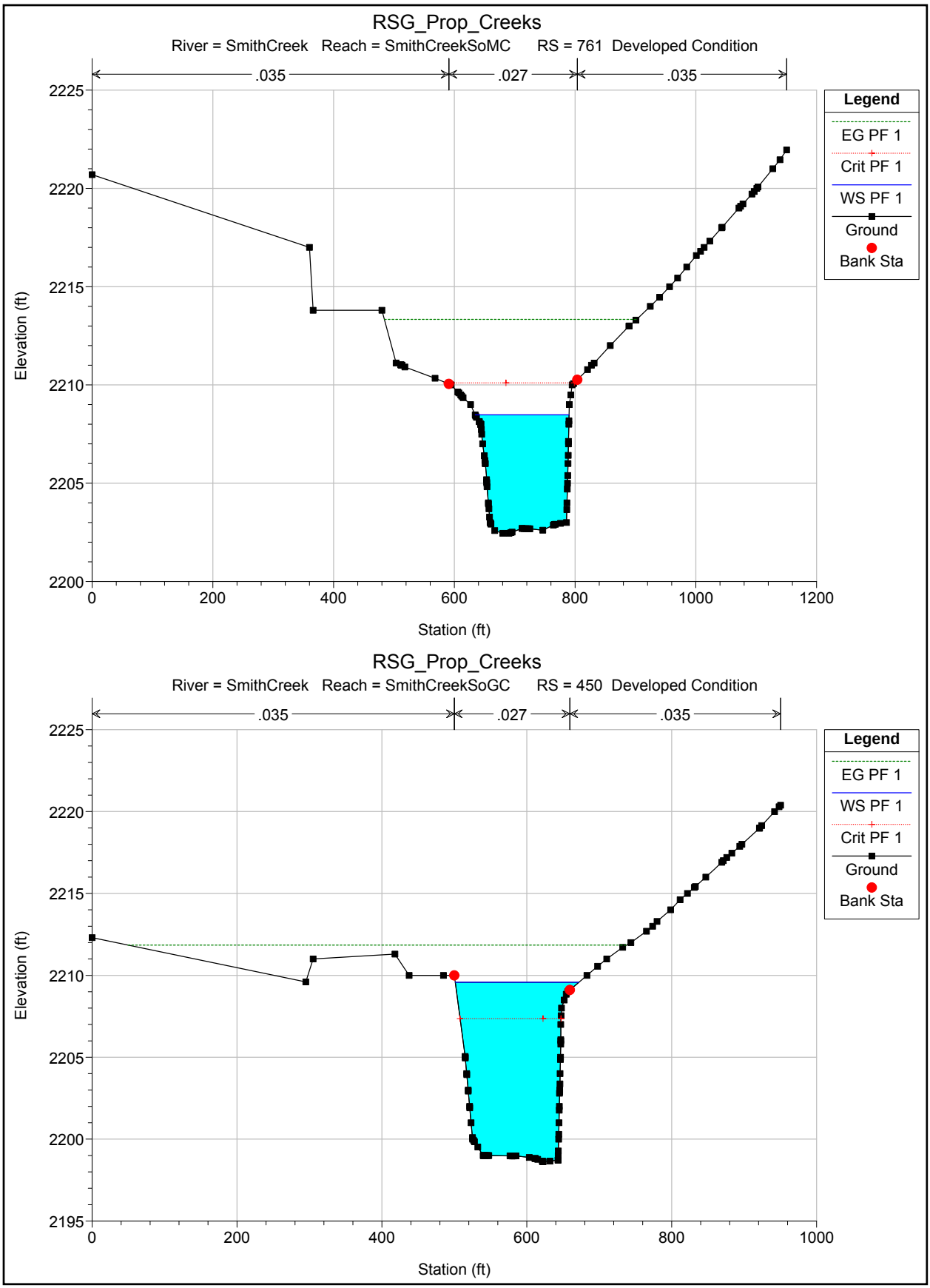

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekPC RS = 2129 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1853 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)

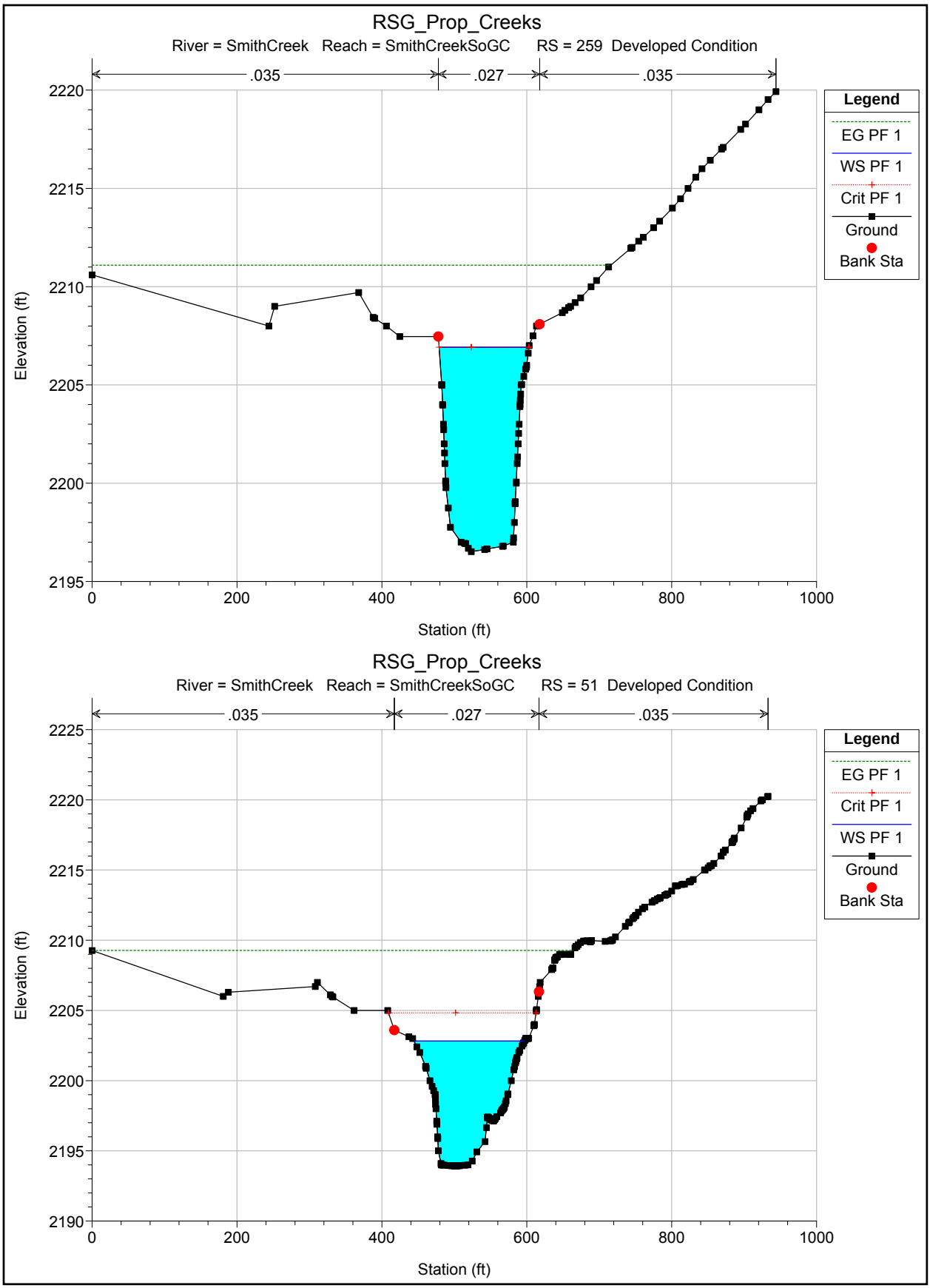

RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1620 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2240
2235
2230
2225
2220
2215
2210
0
200
400
600
800
1000
1200


RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1423 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2228
2226
2224
2222
2220
2218
2216
2214
2212
2210
0
200
400
600
800
1000
1200
1400


RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 1193 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2230
2225
2220
2215
2210
2205
0
200
400
600
800
1000
1200
1400


RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 970 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2222
2220
2218
2216
2214
2212
2210
2208
2206
2204
0
200
400
600
800
1000
1200


RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoMC RS = 761 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2225
2220
2215
2210
2205
2200
0
200
400
600
800
1000
1200
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoGC RS = 450 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2225
2220
2215
2210
2205
2200
2195
0
200
400
600
800
1000


RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoGC RS = 259 Developed Condition
.035
.027
.035
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2220
2215
2210
2205
2200
2195
0
200
400
600
800
1000
RSG_Prop_Creeks
River = SmithCreek Reach = SmithCreekSoGC RS = 51 Developed Condition
.035
.027
.035
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (ft)
Station (ft)
2225
2220
2215
2210
2205
2200
2195
2190
0
200
400
600
800
1000

Appendix I: Excerpts from the Riverside County Flood Control Hydrology Manual

RAINFALL INTENSITY–INCHES PER HOUR

ANZA			BANNING			BEAUMONT			CALIMESA			CANYON LAKE		
DURATION MINUTES	FREQUENCY 10 YEAR	100 YEAR	DURATION MINUTES	FREQUENCY 10 YEAR	100 YEAR	DURATION MINUTES	FREQUENCY 10 YEAR	100 YEAR	DURATION MINUTES	FREQUENCY 10 YEAR	100 YEAR	DURATION MINUTES	FREQUENCY 10 YEAR	100 YEAR
5	4.23	6.85	5	3.32	4.93	5	3.32	4.93	5	3.57	5.30	5	3.07	4.61
6	3.80	6.16	6	3.02	4.47	6	3.02	4.47	6	3.23	4.79	6	2.81	4.23
7	3.48	5.63	7	2.78	4.12	7	2.78	4.12	7	2.97	4.40	7	2.61	3.93
8	3.22	5.21	8	2.59	3.84	8	2.59	3.84	8	2.76	4.09	8	2.45	3.68
9	3.01	4.87	9	2.43	3.61	9	2.43	3.61	9	2.58	3.83	9	2.31	3.48
10	2.83	4.58	10	2.30	3.41	10	2.30	3.41	10	2.44	3.62	10	2.20	3.31
11	2.67	4.33	11	2.19	3.24	11	2.19	3.24	11	2.31	3.43	11	2.10	3.16
12	2.54	4.12	12	2.09	3.10	12	2.09	3.10	12	2.21	3.27	12	2.01	3.03
13	2.43	3.93	13	2.00	2.97	13	2.00	2.97	13	2.11	3.13	13	1.94	2.92
14	2.33	3.77	14	1.92	2.85	14	1.92	2.85	14	2.03	3.01	14	1.87	2.82
15	2.23	3.62	15	1.86	2.75	15	1.86	2.75	15	1.95	2.89	15	1.81	2.72
16	2.15	3.49	16	1.79	2.66	16	1.79	2.66	16	1.88	2.79	16	1.75	2.64
17	2.08	3.37	17	1.74	2.58	17	1.74	2.58	17	1.82	2.70	17	1.70	2.56
18	2.01	3.26	18	1.68	2.50	18	1.68	2.50	18	1.76	2.62	18	1.66	2.50
19	1.95	3.16	19	1.64	2.43	19	1.64	2.43	19	1.71	2.54	19	1.62	2.43
20	1.89	3.06	20	1.59	2.36	20	1.59	2.36	20	1.67	2.47	20	1.58	2.37
22	1.79	2.90	22	1.51	2.25	22	1.51	2.25	22	1.58	2.34	22	1.51	2.27
24	1.70	2.76	24	1.45	2.15	24	1.45	2.15	24	1.51	2.23	24	1.44	2.17
26	1.62	2.63	26	1.39	2.06	26	1.39	2.06	26	1.44	2.14	26	1.39	2.09
28	1.56	2.52	28	1.33	1.98	28	1.33	1.98	28	1.38	2.05	28	1.34	2.02
30	1.49	2.42	30	1.29	1.91	30	1.29	1.91	30	1.33	1.98	30	1.30	1.95
32	1.44	2.33	32	1.24	1.84	32	1.24	1.84	32	1.29	1.91	32	1.26	1.89
34	1.39	2.25	34	1.20	1.78	34	1.20	1.78	34	1.24	1.85	34	1.22	1.84
36	1.34	2.18	36	1.17	1.73	36	1.17	1.73	36	1.21	1.79	36	1.19	1.79
38	1.30	2.11	38	1.13	1.68	38	1.13	1.68	38	1.17	1.74	38	1.16	1.74
40	1.27	2.05	40	1.10	1.64	40	1.10	1.64	40	1.14	1.69	40	1.13	1.70
45	1.18	1.91	45	1.04	1.54	45	1.04	1.54	45	1.07	1.58	45	1.07	1.61
50	1.11	1.80	50	.98	1.45	50	.98	1.45	50	1.01	1.49	50	1.02	1.53
55	1.05	1.70	55	.93	1.38	55	.93	1.38	55	.95	1.42	55	.97	1.46
60	1.00	1.62	60	.89	1.32	60	.89	1.32	60	.91	1.35	60	.93	1.40
65	.95	1.55	65	.85	1.27	65	.85	1.27	65	.87	1.29	65	.89	1.35
70	.91	1.48	70	.82	1.22	70	.82	1.22	70	.84	1.24	70	.86	1.30
75	.88	1.42	75	.79	1.17	75	.79	1.17	75	.80	1.19	75	.84	1.26
80	.85	1.37	80	.76	1.13	80	.76	1.13	80	.78	1.15	80	.81	1.22
85	.82	1.32	85	.74	1.10	85	.74	1.10	85	.75	1.11	85	.79	1.18
SLOPE = .580			SLOPE = .530			SLOPE = .530			SLOPE = .550			SLOPE = .480		

RCFC & WCD

HYDROLOGY MANUAL

STANDARD INTENSITY–DURATION CURVES DATA

PLATE D-4.1 (1 of 6)

RAINFALL PATTERNS IN PERCENT

3-HOUR STORM

TIME PERIOD	5-MIN PERIOD	10-MIN PERIOD	15-MIN PERIOD	30-MIN PERIOD
1	1.3	2.6	3.7	8.5
2	1.3	2.6	4.8	10.0
3	1.1	3.3	5.1	13.9
4	1.5	3.3	4.9	17.4
5	1.5	3.3	6.6	29.9
6	1.8	3.4	7.3	20.3
7	1.5	4.4	8.4	
8	1.8	4.2	9.0	
9	1.8	5.3	12.3	
10	1.5	5.1	17.6	
11	1.6	6.4	16.1	
12	1.8	5.9	4.2	
13	2.2	7.3		
14	2.2	8.5		
15	2.2	14.1		
16	2.0	14.1		
17	2.6	3.8		
18	2.7	2.4		
19	2.4			
20	2.7			
21	3.3			
22	3.1			
23	2.9			
24	3.0			
25	3.1			
26	4.2			
27	5.0			
28	3.5			
29	6.8			
30	7.3			
31	8.2			
32	5.9			
33	2.0			
34	1.8			
35	1.8			
36	.6			

6-HOUR STORM

TIME PERIOD	5-MIN PERIOD	10-MIN PERIOD	15-MIN PERIOD	30-MIN PERIOD
1	.5	1.1	1.7	3.6
2	.6	1.2	1.9	4.3
3	.6	1.3	2.1	4.8
4	.6	1.4	2.2	4.9
5	.6	1.4	2.4	5.3
6	.7	1.5	2.4	5.8
7	.7	1.6	2.4	6.8
8	.7	1.6	2.5	9.0
9	.7	1.6	2.6	11.6
10	.7	1.6	2.7	14.4
11	.7	1.6	2.8	25.1
12	.8	1.7	3.0	4.4
13	.8	1.7	3.2	
14	.8	1.8	3.6	
15	.8	1.8	4.3	
16	.8	1.8	4.7	
17	.8	2.0	5.4	
18	.8	2.0	6.2	
19	.8	2.1	6.9	
20	.8	2.2	7.5	
21	.8	2.5	10.6	
22	.8	2.8	14.5	
23	.8	3.0	3.4	
24	.9	3.2	1.0	
25	.8	3.5		
26	.9	3.9		
27	.9	4.2		
28	.9	4.5		
29	.9	4.8		
30	.9	5.1		
31	.9	6.7		
32	.9	8.1		
33	1.0	10.3		
34	1.0	2.8		
35	1.0	1.1		
36	1.0	.5		
37	1.0			
38	1.1			
39	1.1			
40	1.1			
41	1.2			
42	1.3			
43	1.4			
44	1.4			
45	1.5			
46	1.5			
47	1.6			
48	1.6			

TIME PERIOD	5-MIN PERIOD
49	1.7
50	1.8
51	1.9
52	2.0
53	2.1
54	2.1
55	2.2
56	2.3
57	2.4
58	2.4
59	2.5
60	2.6
61	3.1
62	3.6
63	3.9
64	4.2
65	4.7
66	5.6
67	1.9
68	.9
69	.6
70	.5
71	.3
72	.2

24-HOUR STORM

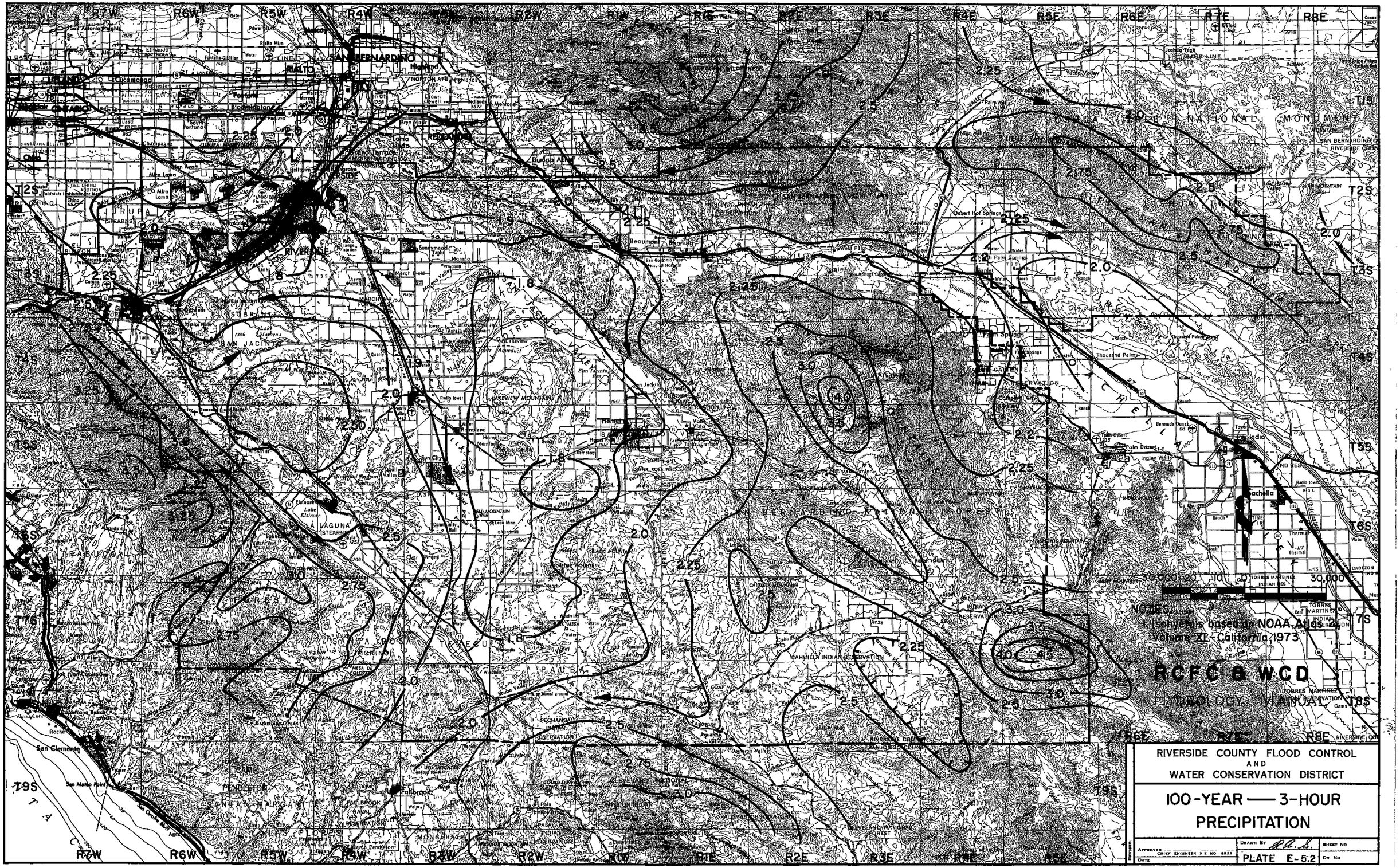
TIME PERIOD	15-MIN PERIOD	30-MIN PERIOD	60-MIN PERIOD
1	.2	.5	1.2
2	.3	.7	1.3
3	.3	.6	1.8
4	.4	.7	2.1
5	.3	.8	2.8
6	.3	1.0	2.9
7	.3	1.0	3.8
8	.4	1.1	4.6
9	.4	1.3	6.3
10	.4	1.5	8.2
11	.5	1.3	7.0
12	.5	1.6	7.3
13	.5	1.8	10.8
14	.5	2.0	11.4
15	.5	2.1	10.4
16	.6	2.5	8.5
17	.6	3.0	1.4
18	.7	3.3	1.9
19	.7	3.9	1.3
20	.8	4.3	1.2
21	.6	3.0	1.1
22	.7	4.0	1.0
23	.8	3.8	.9
24	.8	3.5	.8
25	.9	5.1	
26	.9	5.7	
27	1.0	6.8	
28	1.0	4.6	
29	1.0	5.3	
30	1.1	5.1	
31	1.2	4.7	
32	1.3	3.8	
33	1.5	.8	
34	1.5	.6	
35	1.6	1.0	
36	1.7	.9	
37	1.9	.8	
38	2.0	.5	
39	2.1	.7	
40	2.2	.5	
41	1.5	.6	
42	1.5	.5	
43	2.0	.5	
44	2.0	.5	
45	1.9	.5	
46	1.9	.4	
47	1.7	.4	
48	1.8	.4	

TIME PERIOD	15-MIN PERIOD
49	2.5
50	2.6
51	2.8
52	2.9
53	3.4
54	3.4
55	2.3
56	2.3
57	2.7
58	2.6
59	2.6
60	2.5
61	2.4
62	2.3
63	1.9
64	1.9
65	.4
66	.4
67	.3
68	.3
69	.5
70	.5
71	.5
72	.4
73	.4
74	.4
75	.3
76	.2
77	.3
78	.4
79	.3
80	.2
81	.3
82	.3
83	.3
84	.2
85	.3
86	.2
87	.3
88	.2
89	.3
90	.2
91	.2
92	.2
93	.2
94	.2
95	.2
96	.2

NOTES:

1. 3 and 6-hour patterns based on the Indio area thunderstorm of September 24,1939.
2. 24-hour patterns based on the general storm of March 2 & 3,1938.

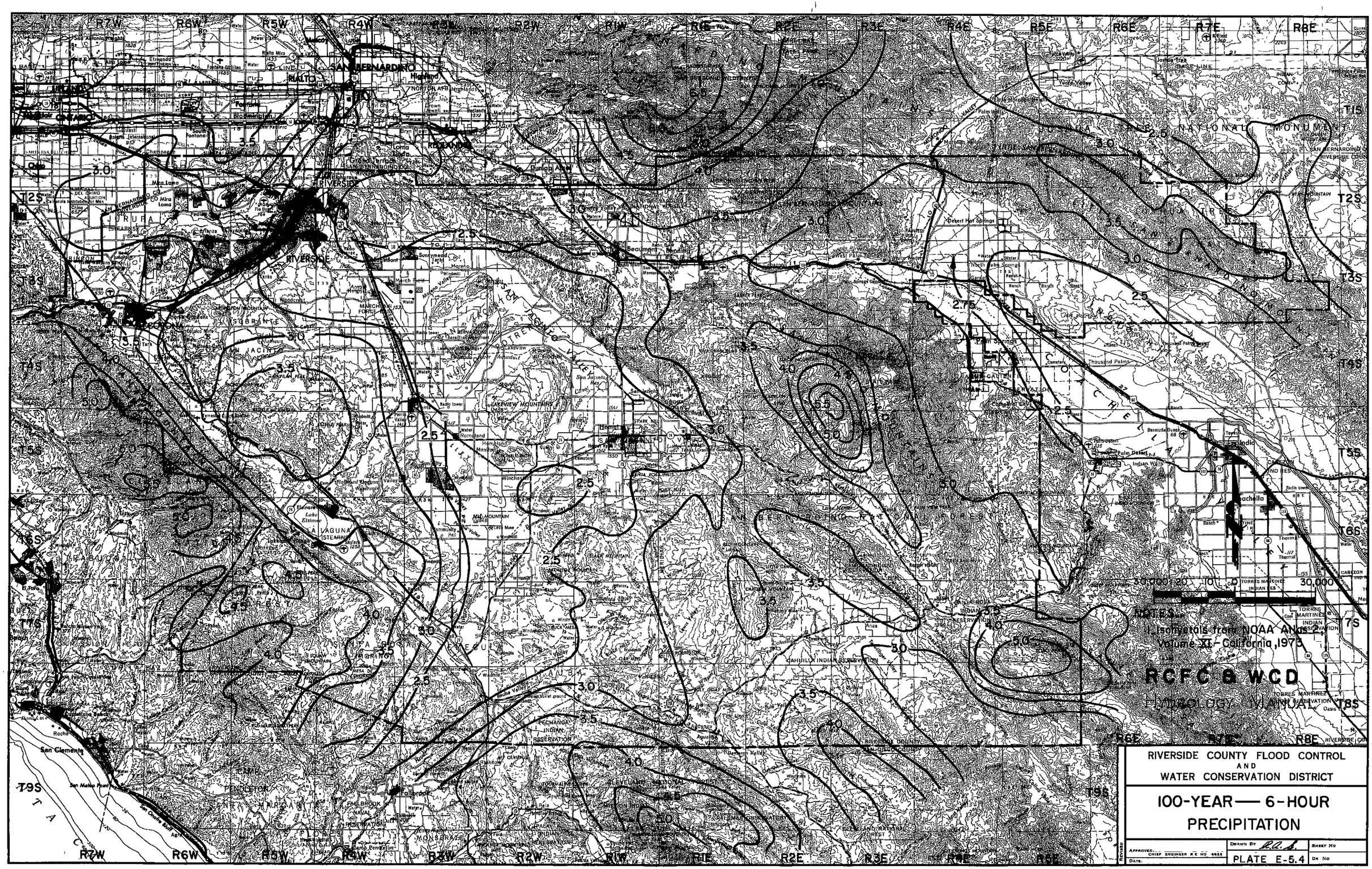
RAINFALL PATTERNS IN PERCENT



RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

100-YEAR — 3-HOUR PRECIPITATION

APPROVED CHIEF ENGINEER R.E. NO. 8824	DRAWN BY	SHEET NO
DATE	PLATE E-5.2	DR. NO



NOTES:

1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973

RCFC & WCD

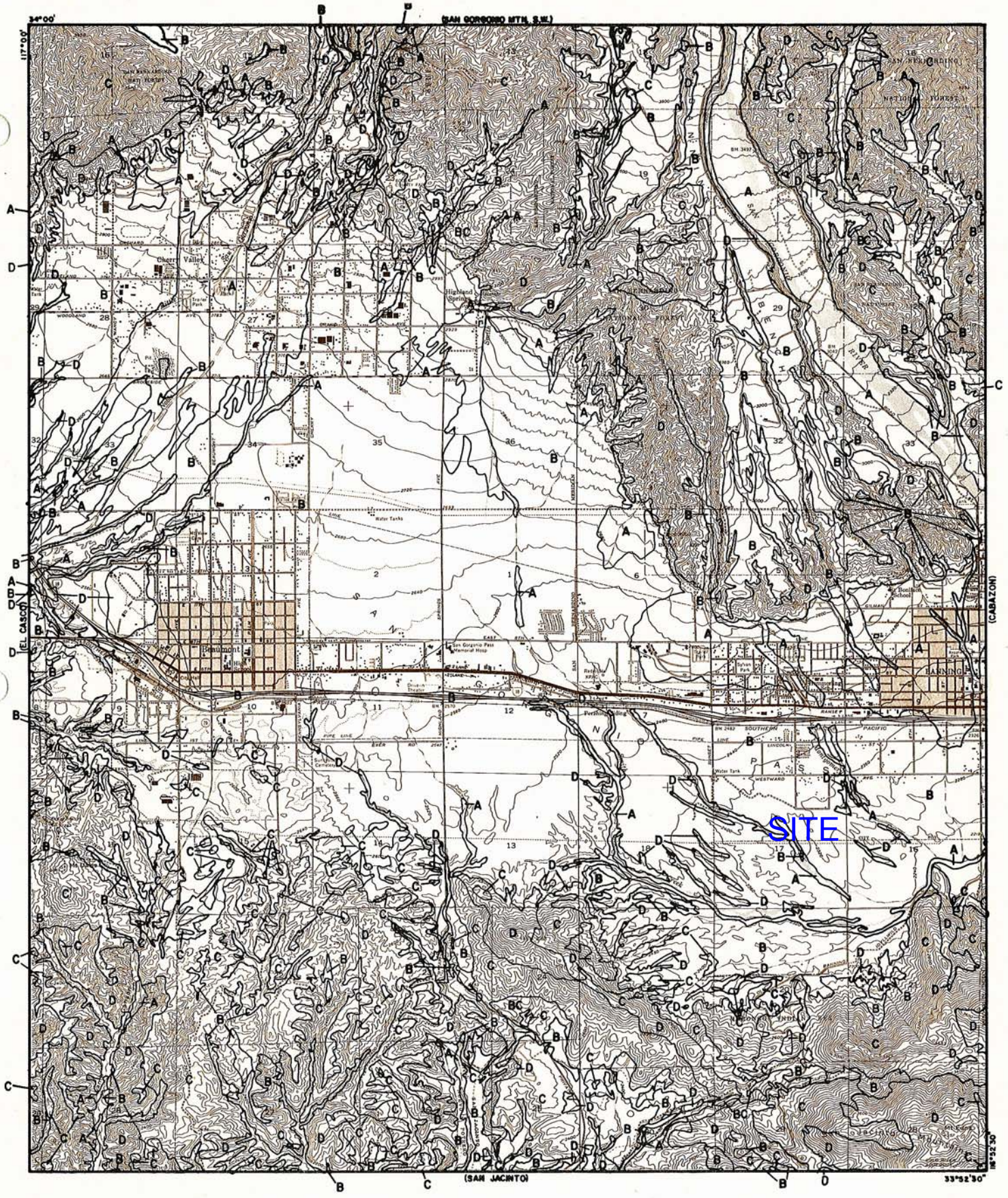
HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100-YEAR — 6-HOUR PRECIPITATION

APPROVED: CHIEF ENGINEER R.E. NO. 4822	DRAWN BY R.L.S.	SHEET NO
DATE:	PLATE E-5.4	DR NO

REVISED



LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

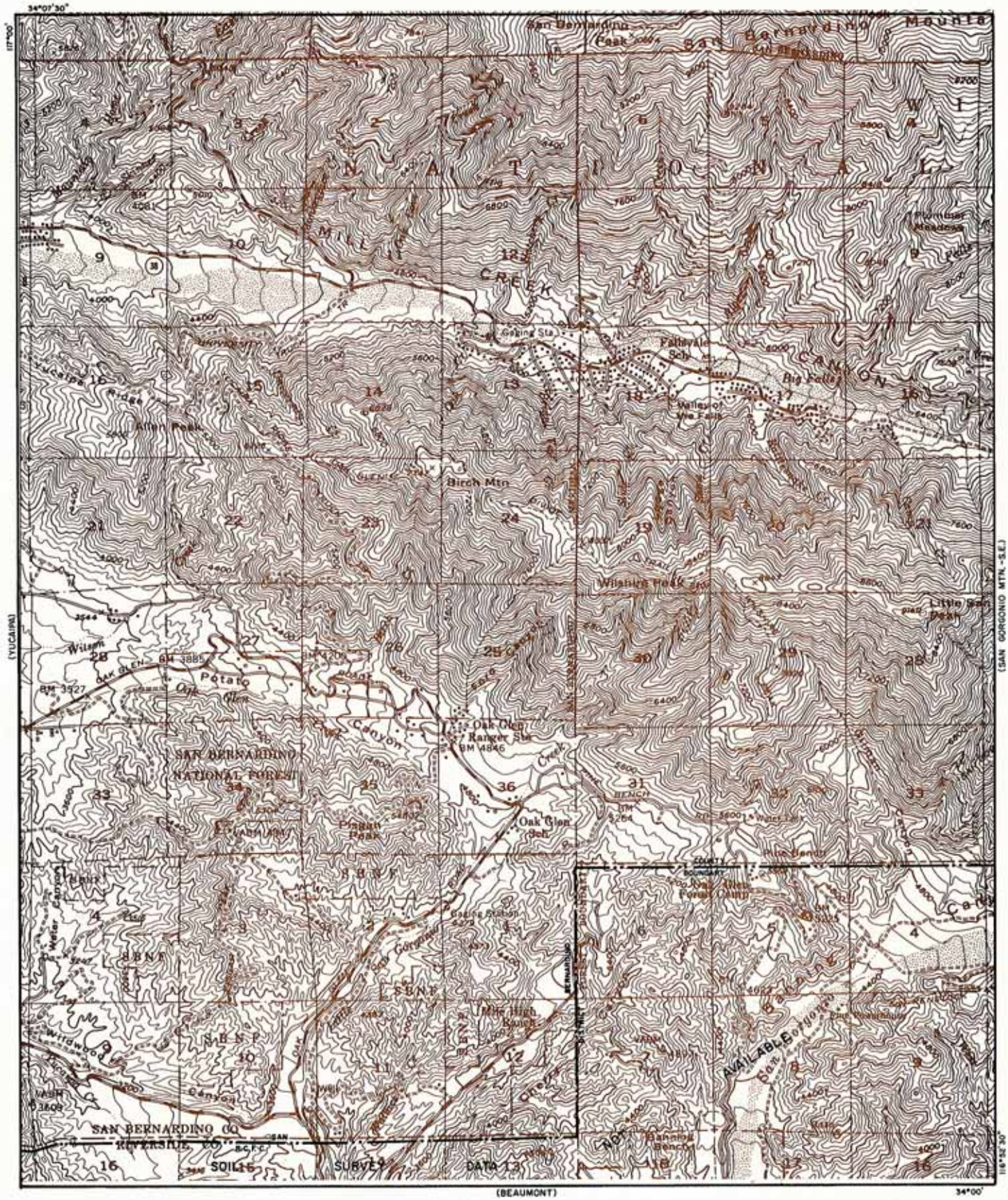
RCFC&WCD

HYDROLOGY MANUAL

N

0 FEET 5000

HYDROLOGIC SOILS GROUP MAP FOR BEAUMONT



LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

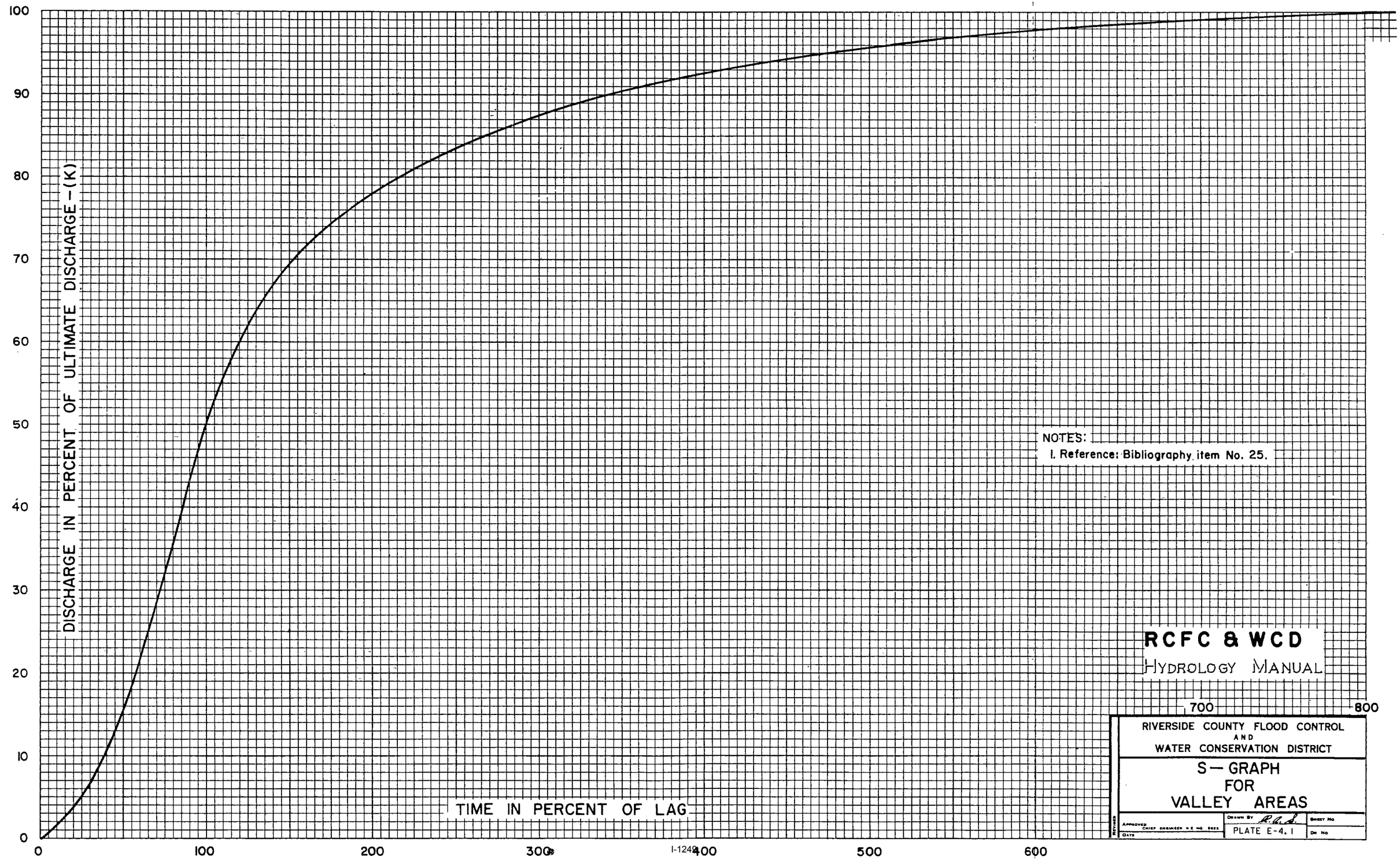
RCFC & WCD

HYDROLOGY MANUAL

0 FEET 5000

HYDROLOGIC SOILS GROUP MAP FOR SAN GORGONIO MTN.- S.W.

PLATE C-1.07


DISCHARGE IN PERCENT OF ULTIMATE DISCHARGE - (K)
100
90
80
70
60
50
40
30
20
10
0
0
100
200
300
400
500
600
700
800
TIME IN PERCENT OF LAG
NOTES:
1. Reference: Bibliography, item No. 25.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
S — GRAPH
FOR
VALLEY AREAS
REVISED
APPROVED
CHIEF ENGINEER R.E. NO. 8925
DATE
DRAWN BY R.G.L.
PLATE E-4.1
SHEET NO
DR NO

Appendix J: Excerpts from the Banning Master Drainage Plan

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

Riverside, California

REPORT ON

BANNING MASTER DRAINAGE PLAN

Zone Five

Revision No. 1
September 1994

KENNETH L. EDWARDS
General Manager-Chief Engineer

reference in this report. A brief description of these existing lines which are an integral part of the master plan is presented in this section.

A table showing all major existing facilities is shown on the MDP map in the rear of this report.

LINE A - EAST GILMAN HOME CHANNEL - This facility is a WPA constructed, rock and mortar channel which was rebuilt in 1938 following severe flood damage experienced in the floods of 1937 and 1938. It collects runoff from a 1.14 square mile watershed, one of the major watersheds draining into Banning. The channel begins in the mouth of a canyon approximately 2,000 feet north of the intersection of Wilson Street and 16th Street, and continues southeasterly to the intersection of Nicolet and 8th Streets. The channel section upstream from George Street has reasonably adequate capacity but does not nearly match current construction standards. It is proposed to be replaced as discussed on Page 11.

During a major flood, indeed, during any flood exceeding a 10 year frequency event, runoff is expected to exceed the capacity of the existing channel in the vicinity of 10th Street. It would likely fan out from there in a wide area causing damage to homes and businesses along its path. A new facility is proposed to relieve this particular situation as also discussed on Page 11.

The District has constructed a re-aligned segment of Line A as a reinforced concrete box (RCB) in Nicolet Street, extending from 8th Street to 4th Street, where it joins with Line C. A segment of Line A has also been constructed in 4th Street from Williams Street to just south of Westward Avenue. This facility was designed to convey the 100 year flow rate. The connecting reach of Line A between Williams and Nicolet has not yet been constructed and is included in the recommended improvement discussion on Page 11

The old WPA channel at the south side of the intersection of 8th Street and Nicolet Street was blocked off when the re-aligned segment of Line A was constructed in Nicolet Street. The old channel runs southeasterly from this point to Williams Street, where it transitions to an underground facility that transverses through a trailer park and an adjacent commercial property. The facility continues southward under Interstate 10 as a 5′ x 5.5′ RCB, and eventually discharges into the District's Line A channel along 4th Street south of the Southern Pacific Railroad.

LINE A-2 - 8th STREET UNDERPASS DRAIN - Line A-2 currently extends from Line A and the Southern Pacific Railroad westerly to 8th Street, and then northerly along 8th to Ramsey Street. This line also picks up runoff along the

Southern Pacific Railroad flowing easterly from west of 8th Street. The line varies in size from 54" to 33" in diameter and was constructed as part of the railroad underpass, grade separation project by the City of Banning on 8th Street. The drain serves as an integral part of the overall master plan system.

LINE B - GILMAN HOME CHANNEL - Line B is commonly referred to as the Gilman Home Channel. This line receives storm flows from a 0.88 square mile watershed tributary to the natural wash at Wilson Street, 300 feet east of 16th Street. The channel is concrete lined from the junction with Line A upstream to a point 600 feet south of Wilson, where it joins the existing wash. The District completed this 1,150 feet reach in 1973. It is designed to convey 100 year frequency runoff and is an important part of the ultimate planned system.

LINE C - INDIAN CANYON CHANNEL - Line C upstream of Wilson Street, commonly referred to as the Indian Canyon Channel, was a WPA project built in the early 1930's and constructed of rock and mortar. Its relative flood carrying capacity and condition is similar to that described for the old upstream portions of Line A, and thus replacement is also proposed for this facility. The channel intercepts flows concentrated at the mouth of the canyon, which drains a 0.70 square mile watershed near Indian School Lane and 8th Street. Around 1983 the District built an underground segment of Line C from Line A at Williams Street to Line C-1 at Wilson Street. The completed reach was designed to handle the 100 year storm flows.

LINE C-1 - SIDNEY STREET CHANNEL - The Sidney Street Channel, designed to intercept flood flows from a watershed south of the Sunnyslope Cemetery, consists primarily of a concrete lined trapezoidal section constructed in 1958 by the District. It traverses downstream along the rear lot lines of several homes to Wilson Street and joins the Indian Canyon Channel (Line C) north of Repplier Park.

LINE D - RAMSEY STREET STORM DRAIN - Line D, the Ramsey Street Storm Drain, begins at George Street in Repplier Park. It extends southeasterly to Ramsey Street and Alola Street, continues in Ramsey Street to Hathaway Street, and then crossed under Interstate 10 and the Southern Pacific Railroad tracks to a point of discharge into a dirt channel north of the Banning Airport. The underground reaches of this line consist mostly of 4' x 5.5' RCB. The system previously had capacity for only about 25 percent of the recommended 100 year frequency design flood, but the upstream interception of tributary flows accomplished by the construction of Line C has greatly improved the functional capacity of Line D. Having now only to provide local drainage, Line D design

capacity is considered adequate.

LINE E - MONTGOMERY CREEK CHANNEL - Line E is a concrete lined open channel that carries Montgomery Creek flows through the westerly part of Banning. The channel was constructed in several stages by the District between 1960 and 1964. It begins in the natural wash area west of Sunset Avenue and north of Wilson Street, and extends southeasterly to Nicolet Street and Roberge Avenue. It continues downstream as an open channel facility to Ramsey Street, aligned within the median of Roberge Avenue. At Ramsey Street, it transitions to a 10'x6' RCB and passes under Interstate 10, through a Pacific Railroad trestle, and discharges back into the existing natural wash of Montgomery Creek.

LINE E-2 - SUNSHINE PARK STORM DRAIN - Line E-2 was constructed in 1972 by the developer of the existing trailer park at Wilson Street and Sunshine Drive as a means of protecting the trailer park from floodwaters emanating from the north of Wilson Street. The facility varies from a 42" CMP to a 58" x 36" CMPA, and extends from Wilson Street to Montgomery Creek Channel downstream of Sunnyside Drive. The District's evaluation of this storm drain indicates that it has limited capacity for use as a master plan drain. The District does not recommend that the facility be immediately replaced, however, the City should be aware that its capacity could be exceeded by floods of less than 10 year frequency magnitude.

LINE E-3 SUNRISE AVENUE DRAIN - Line E-3 was constructed in 1992 by the developer of Tract 23598 at Wilson Street and Sunrise Avenue as a means of protecting the tract from offsite storm flows originating in the foothills to the north. It varies in size from a 24" RCP to a 39" RCP, and is aligned within Sunrise Avenue from Wilson Street to Montgomery Creek Channel. The District's evaluation of this storm drain indicates that it has capacity for the 100 year frequency storm flows.

LINE E-4 - BIRDS NEST CANYON DRAIN - This line is a 54" CMP drain constructed in 1969 by the City of Banning to carry flows under Wilson Street to Montgomery Creek Channel. A large natural channel carries flows from the mouth of an upstream canyon to the inlet at Wilson Street, where the facility begins. The natural channel should be improved at the time the adjacent land is developed.

LINE G - The District built a segment of this line as a 54" SRP (Spiral Rib Pipe) in Hargrave Street from Smith Creek to Porter Street in 1987. Construction was done as part of the Smith Creek Prison Farm Channel project. The storm drain was extended to Wesley Street by the District in 1990, as part of

a joint effort with the City of Banning and the County of Riverside. Line G was designed as a 10 year drain to handle local flows.

LINE I - SMITH CREEK CHANNEL - This concrete lined channel was constructed in 1991 by the developer of Tract 21882, from Highland Home Road northwesterly some 2400 feet to Wilson Street.

The uppermost 1000 feet to Wilson Street exists as concrete slope protection along the eastern bank. The project was built to protect the roadways and homes in the area.

LINE J - HIGHLAND SPRINGS CHANNEL - The Highland Springs Channel facility extending north of Wilson Street was constructed as a joint roadway improvement project by the District and the Riverside County Transportation Department, following the severe damage to the roadway incurred during the floods of 1969. During this period, the roadway was nearly washed out in many reaches, and critical access to the San Gorgonio Pass Memorial Hospital was cut off due to uncontrolled floodwaters flowing down Highland Springs Road and across Wilson Street near the hospital.

Construction of the one and one half mile long channel was completed in 1970. The newly improved facility terminated at Wilson Street where it discharged into a small existing channel extending southerly to the freeway along the west right of way line of Highland Springs Road. That particular reach of channel south of Wilson Street was replaced by a 6' x 6' RCB in 1974 by the District. Access to the San Gorgonio Pass Memorial Hospital, which is vital to both the communities of Beaumont and Banning, is now possible during adverse weather.

In 1983, the developer of Tract 14209-1 built an underground storm drain extension upstream from the District's channel near 16th Street, to a concrete lined channel constructed with Tract 4636 located to the north. The storm drain is approximately 5700 feet in length.

LINE J-1 - Part of Line J-1 was built by the developer of Tract 12428 in 1979 to protect development from flows north of Wilson Street. The 48" RCP storm drain connects to an existing 48" CMP under Wilson Street then proceeds south in Apex Avenue about 1200 feet and discharges in a natural wash south of Evelyn Drive.

In 1981 a local church built a 21" RCP lateral to this line in Wilson Street, in order to drain onsite runoff.

LINE K - WEST PERSHING CHANNEL - A critical segment of this channel was constructed by the District in 1968, along the

west side of Highland Home Road from Wilson Street northerly some 1800 feet. The project was built to provide badly needed protection to the roadways and homes in the area.

LINE M - SAN GORGONIO RIVER - BANNING LEVEE - The Banning Levee was constructed by the U.S. Army Corps of Engineers in 1965. The project was justified by the Federal Government due to the potential for major flood damage to the northeasterly section of the City, should the San Gorgonio River escape its banks. The levee was severely attacked by major floods in 1966 and again in 1969, with some significant damage sustained in each flood. The steep natural banks of the river upstream from the original levee construction were also severely eroded by floodwaters threatening to flank the levee. As a result, the Corps of Engineers repaired the damaged levee and stabilized about 1000 feet of the steep bank upstream of the levee with gabions.

LINE M-1 - SAN GORGONIO AVENUE STORM DRAIN - This particular line was constructed within San Gorgonio Avenue by the District in 1974. It is a 39" diameter pipe that extends to the San Gorgonio River from the northerly boundary of the Sunnyslope Cemetery. It intercepts runoff from a drainage area of 25.0 acres that previously flowed south through the City along San Gorgonio Avenue to Smith Creek - a distance of about 2.5 miles.

LINE N - SMITH CREEK CHANNEL - The District constructed Smith Creek improvements from Porter Street northeasterly in 1967 at the request of the City of Banning. That particular project, consisting of about 1300 feet of concrete lined revetment along the north bank, provides flood protection to the City's adjacent sewer plant. In 1979, the District extended the concrete protection some 1500 feet downstream.

LINE N-1 - SMITH CREEK PRISON FARM CHANNEL - In 1987 the District improved Smith Creek Channel from Hargrave Street westerly some 1000 feet to protect the river bank adjacent to the County prison facility. The project consists of 1/2-ton class rock slope protection.

BANNING ESTATES STORM DRAIN - This line was constructed around 1980 by the developer of Tract 13605. The tract covers approximately 65 acres and is located at the northeast corner of Winchester Drive and Jacinto View Road. The storm drain ranges from a 30" to 42" RCP and conveys local onsite flows to an existing 48" RCP under Interstate 10.

Appendix K: Excerpts from the FEMA Flood Insurance Study

LEGEND



SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

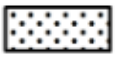
The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.



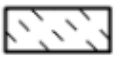
OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.



COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS



OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary



Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 — 23	Transect line
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
$^{24}76^{000m}$N	1000-meter Universal Transverse Mercator grid values, zone 11N
600000 FT	5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
● M1.5	River Mile

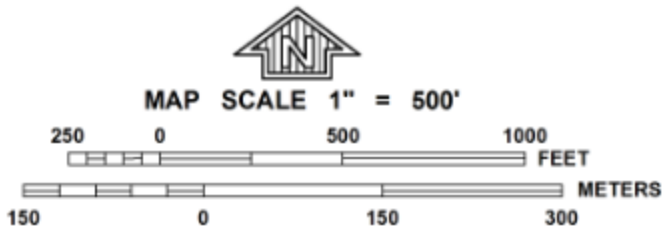
MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0817G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 817 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

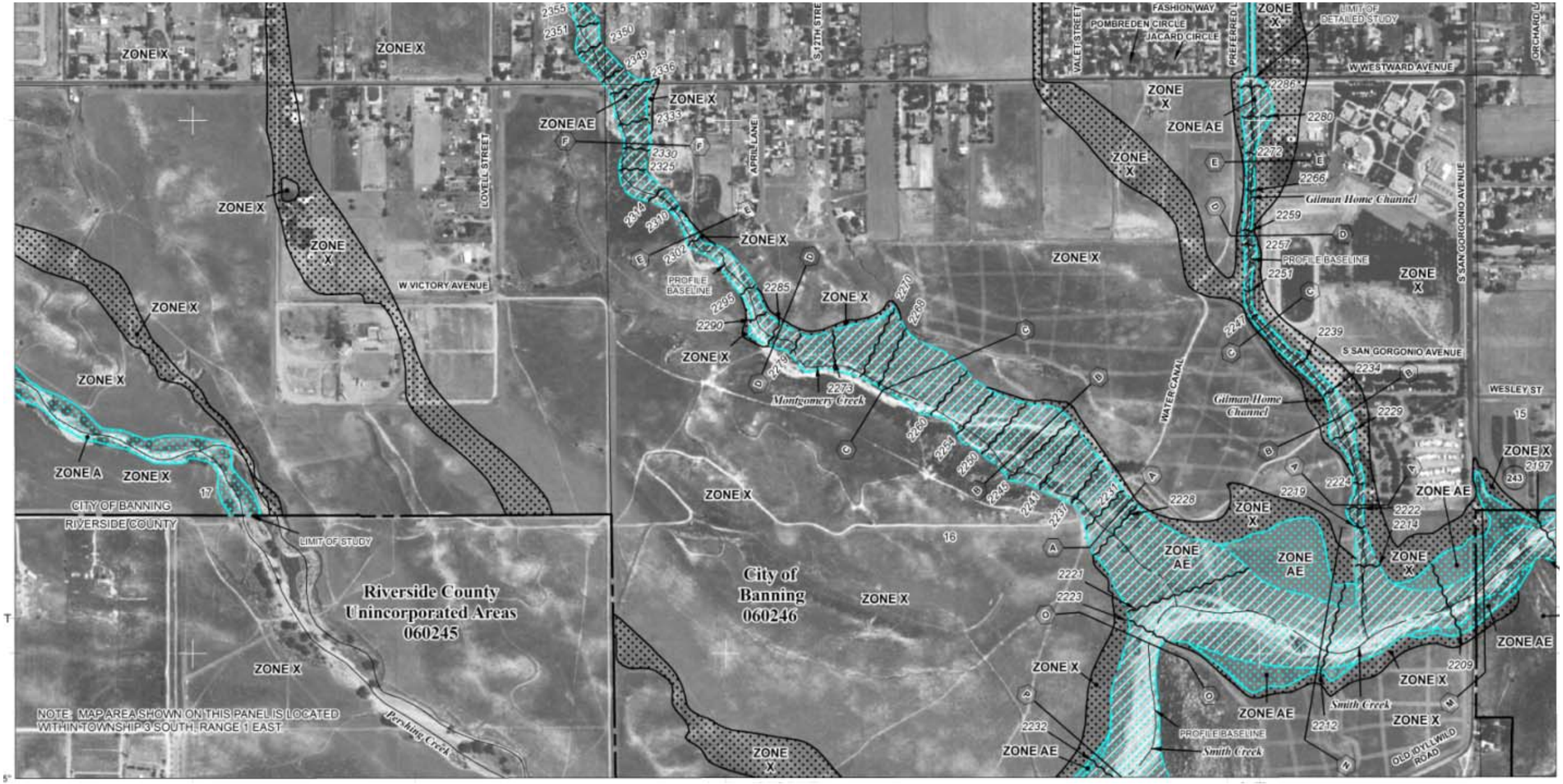
COMMUNITY	NUMBER	PANEL	SUFFIX
BANNING, CITY OF	060246	0817	G
RIVERSIDE COUNTY	060245	0817	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C0817G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency


ZONE X
ZONE AE
ZONE A
2355
2351
2350
2349
2336
2333
2330
2325
2314
2310
2302
2295
2290
2285
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2273
2272
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2251
2250
2247
2246
2241
2239
2237
2234
2231
2229
2228
2224
2223
2221
2219
2214
2212
2209
2197
2232
PROFILE BASELINE
LIMIT OF STUDY
LIMIT OF DETAILED STUDY
W VICTORY AVENUE
W WESTWARD AVENUE
S SAN GORGONIO AVENUE
WESLEY ST
OLD IDYLLWILD ROAD
LOVELL STREET
APRIL LANE
S 12TH STREET
VALET STREET
FASHION WAY
POMBREDEN CIRCLE
JACARD CIRCLE
PREFERRED L
ORCHARD L
WATER CANAL
Montgomery Creek
Gilman Home Channel
Smith Creek
Pershing Creek
CITY OF BANNING
RIVERSIDE COUNTY
Riverside County
Unincorporated Areas
060245
City of
Banning
060246
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 3 SOUTH, RANGE 1 EAST
17
16
15
243
T
5°

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0819G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 819 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

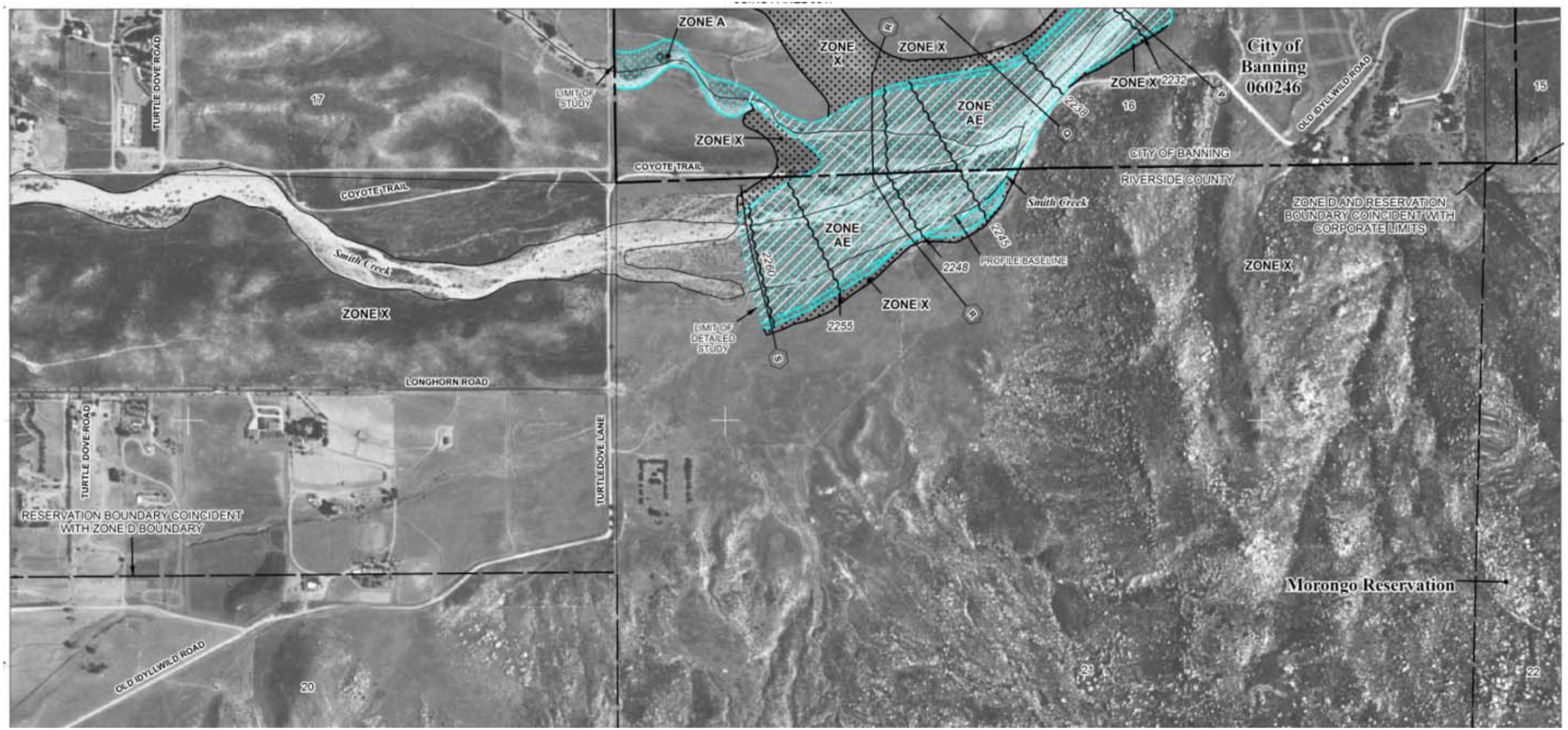
COMMUNITY	NUMBER	PANEL	SUFFIX
BANNING, CITY OF	060246	0819	G
RIVERSIDE COUNTY	060245	0819	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C0819G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency


ZONE A
ZONE X
ZONE X
ZONE X
ZONE AE
ZONE X
ZONE AE
ZONE X
ZONE X
ZONE X
City of Banning 060246
LIMIT OF STUDY
TURTLE DOVE ROAD
17
16
15
COYOTE TRAIL
COYOTE TRAIL
CITY OF BANNING
RIVERSIDE COUNTY
Smith Creek
Smith Creek
OLD IDYLLWILD ROAD
ZONE D AND RESERVATION BOUNDARY COINCIDENT WITH CORPORATE LIMITS
2232
2238
2245
2248
2260
2255
PROFILE BASELINE
LIMIT OF DETAILED STUDY
LONGHORN ROAD
TURTLE DOVE ROAD
TURTLEDOVE LANE
RESERVATION BOUNDARY COINCIDENT WITH ZONE D BOUNDARY
OLD IDYLLWILD ROAD
20
21
22
Morongo Reservation

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0816G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 816 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

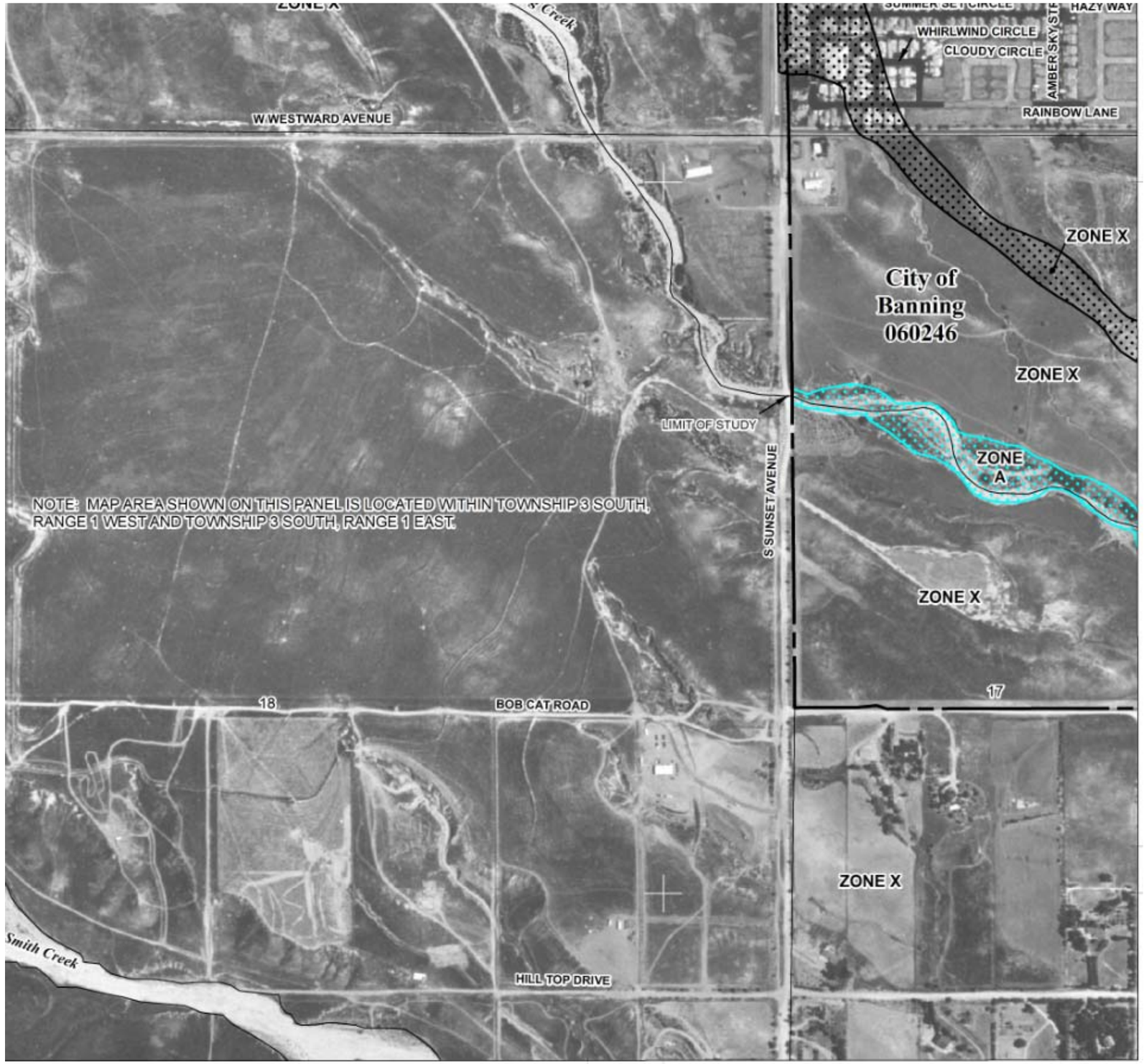
COMMUNITY	NUMBER	PANEL	SUFFIX
BANNING, CITY OF	060246	0816	G
RIVERSIDE COUNTY	060245	0816	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C0816G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency


ZONE X
W WESTWARD AVENUE
WHIRLWIND CIRCLE
CLOUDY CIRCLE
AMBER SKY ST
HAZY WAY
RAINBOW LANE
ZONE X
City of
Banning
060246
ZONE X
LIMIT OF STUDY
S SUNSET AVENUE
ZONE
A
ZONE X
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 3 SOUTH, RANGE 1 WEST AND TOWNSHIP 3 SOUTH, RANGE 1 EAST.
18
BOB CAT ROAD
17
ZONE X
Smith Creek
HILL TOP DRIVE

FLOOD INSURANCE STUDY



VOLUME 1 OF 4

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS



COMMUNITY NAME	COMMUNITY NUMBER
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763
BANNING, CITY OF	060246
BEAUMONT, CITY OF	060247
BLYTHE, CITY OF	060248
CANYON LAKE, CITY OF	060753
CALIMESA, CITY OF	060740
COACHELLA, CITY OF	060249
CATHEDRAL, CITY OF	060704
COLORADO RIVER INDIAN RESERVATION	060069
CORONA, CITY OF	060250
DESERT HOT SPRINGS, CITY OF	060251
HEMET, CITY OF	060253
INDIAN WELLS, CITY OF	060254
INDIO, CITY OF	060255
LA QUINTA, CITY OF	060709
LAKE ELSINORE, CITY OF	060636
MORENO VALLEY, CITY OF	065074
MURRIETA, CITY OF	060751
NORCO, CITY OF	060256
PALM DESERT, CITY OF	060629
PALM SPRINGS, CITY OF	060257
PERRIS, CITY OF	060258
RANCHO MIRAGE, CITY OF	060259
RIVERSIDE, CITY OF	060260
RIVERSIDE COUNTY (UNINCORPORATED AREAS)	060245
SAN JACINTO, CITY OF	065056
TEMECULA, CITY OF	060742

EFFECTIVE:
AUGUST 28, 2008

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
06065CV001A

I-1266

the hydrologic and hydraulic analyses from the FIS report dated April 15, 1980, were performed by Anderson-Nichols & Co., Inc., for FEMA, under Contract No. EMW-83-C-1164.

The hydrologic analysis for Lake Elsinore was performed by the U.S. Army Corps of Engineers (USACE), Los Angeles District, in 1983. Hydrologic analyses for areas in the vicinity of the City of Desert Hot Springs were performed by the Riverside County Flood Control and Water Conservation District. These analyses are included as part of this updated study.

That work was completed in April 1985.

The hydrologic and hydraulic analyses for the initial study were performed by Toups Corporation, for FEMA, under Contract No. H-3692. That work was completed in November 1975.

Hydrologic and hydraulic analyses for areas in the vicinity of the Cities of Perris and Desert Hot Springs were also performed by the Toups Corporation under Contract No. H-3692. That work was completed in September 1977.

The hydrologic and hydraulic analyses were performed by Toups Corporation for FEMA, under Contract No. H-4032. That work, which was completed in August 1979, covered all significant flooding sources affecting the City of Palm Springs, with the exception of West Cathedral Channel.

Banning, City of:

the hydrologic and hydraulic analyses from the FIS report dated October 17, 1978, were performed by Toups Corporation, for the Federal Insurance Administration, under Contract No. 3692. That work, which was completed in August 1977, covered all significant flooding sources affecting the City of Banning.

Beaumont, City of:

the hydrologic and hydraulic analyses from the FIS report dated October 17, 1978, were performed by Toups Corporation, for the Federal Insurance Administration (FIA), under Contract No. H-3692. That work, which was completed in

The community of Thousand Palms is a residential area of moderate density. The remainder of the Coachella Valley study area in the vicinity of Thousand Palms is unsettled except for a few isolated ranches. Vegetation consists of scrubby desert brush. Dunes formed by eolian sand at the southwestern end of the study area are inhabited by a rare species of lizard. Efforts are currently underway to form a conservation area to protect this threatened reptile.

The Coachella Valley area is seismically active and contains active faults. The area's main structural fracture is the San Andreas Fault.

Climatic conditions in the county vary substantially with the topography and the region. Between the high and low points in elevation, five distinct climatic zones exist. At Riverside, in the western part of the county, the average temperature is 52 degrees Fahrenheit (°F) in January and 76°F in July. The annual rainfall is approximately 11 inches. Typical desert conditions prevail throughout the eastern and central desert regions. In the desert city of Indio, the mean annual temperature is 92°F in July and 52°F in January, while the annual rainfall is approximately 4 inches. On the Colorado River, the City of Blythe records rainfall averaging 4 inches and temperatures averaging 50°F in January and 91°F in July. In contrast to the relatively low rainfall over most of the county, the high San Jacinto Mountains sometimes experience yearly precipitation exceeding 40 inches.

Windstorms have caused extensive property damage throughout the Coachella Valley. Generally, such storms are caused by the movement of marine air inland toward areas of lower barometric pressure. The prevailing winds are northwesterly, at a mean speed of 4 to 12 miles per hour (Coachella Valley County Water District, 1967).

2.3 Principal Flood Problems

The City of Banning is bounded on the south and on the east by Smith Creek and San Gorgonio River, respectively; however, the principal flooding problems result from flows tributary to Smith Creek. These originate in the hills to the north of the city, and as they exit the canyons, they flow across the alluvial, sloping plain of Banning. If not contained, these flows result in extensive sheet flooding through the city.

Due to the normally arid nature of the area, stream courses are dry, except during, and shortly after, a storm. When a major storm moves into the area, water collects rapidly as surface runoff and reaches the main channel quickly. Consequently, resultant floodflows are of the flash type, having sharp peaks and short durations. Due to the steepness and vegetative cover of the mountains in which they originate and to the average 4 percent slope of the plain on which Banning is situated, floodflows in the area carry large amounts of debris and travel at high velocities.

Damaging floods occurred in the area in 1938, 1965, 1966, and 1969 (USACE, 1973). The most recent flood occurred in 1969, although discharges were generally of less than 1-percent annual chance intensity, flows on the San

Gorgonio River near the Banning levee were approximately 1.4 times the 1-percent annual chance discharge. This flow was also equivalent to that of the large storm in March 1938 which is the maximum flood of record. In 1969, the Banning area had serious problems due to a lack of flood control works, and suffered extremely heavy damages in January, and had yet more severe flooding in February (Riverside County Flood Control and Water Conservation District, 1970). Highland Springs Road was washed out and access to the San Gorgonio Pass Hospital was cut off. Since that time, the Highland Springs Channel has been constructed.

Three types of flooding conditions exist in the City of Banning. These are flooding in defined watercourse (San Gorgonio River and lower reaches of Smith and Pershing Creeks), ponding, and sheet flow.

Flooding of the first type is confined to undeveloped areas within the corporate limits because the floodplains are well defined and at some distance from both developed and developing areas. The only facilities currently subject to flooding from these sources are portions of the Banning Sewer Plant and of the Riverside County Road camp (both located along Smith Creek).

Flooding from ponding is created by manmade obstructions to flow in the middle reaches of Smith, Montgomery, and Pershing Creeks. These are the embankments of the Southern Pacific Railroad and Interstate Highway 10. The results of this study indicate that depths in this ponding area would reach maximums of 8 feet and 13 feet for the 1- and 0.2-percent annual chance storms, respectively.

The third flooding condition is sheet flow through the most-developed areas of the city. This occurs when capacities of existing channels through the city are exceeded. Existing facilities which consist primarily of Works Progress Administration (1938 and earlier) channels are inadequate to control the runoff generated in the area by the present level of development (Riverside County Flood Control and Water Conservation District, 1975). One of the most severe flooding sources is the Gilman Home Channel, a Works Progress Administration channel running through the heart of the city. During a major flood, or any flood exceeding a 10-percent annual chance frequency event, runoff is expected to exceed the capacity of the existing channel in the vicinity of 10th Street. It would likely fan out from there in a wide area, causing damage to homes and businesses along its path (Riverside County Flood Control and Water Conservation District, 1975). Additionally, homes in the vicinity of 12th and George Streets have been flooded by this source during storms of only moderate intensity.

The shallow flooding area from San Gorgonio Avenue to Wilson Street indicates the relatively high flood hazard in this area, where the overflow is contained in close proximity to the channel and does not spread out. At the intersection of Martin and Ramsey Streets, the flow is directed two ways: 50 percent to the east along Ramsey and Livington Streets, and 50 percent weirs across Interstate Highway 10 after it joins the overflow from Gilman Home Channel. The former flows down Ramsey and Livington Streets to Hargrave, and then under Interstate Highway 10 to rejoin the latter, which has weired across the highway. From this

point down to the confluence with Smith Creek, the analysis is one of shallow sheet flow. The flow coming in from the northeast portion of the city at Phillips and Hathaway Streets weirs across Interstate Highway 10 along the Southern Pacific Railroad to rejoin the main channel and then the San Gorgonio River.

Although major and damaging storms occurred in the area in 1938, 1965, 1966, and 1969, the City of Beaumont has little history of flooding problems. This is due to its situation on the very crest of San Gorgonio Pass. Because it is on the crown of the alluvial fan which forms the divide, major flows generated in the mountains north and northeast of the city flow to the west and east of it, respectively.

There are two distinct types of potential flooding sources in Cathedral City. These are the Whitewater River and the canyons discharging onto alluvial fans upon which the city is situated.

Levees on the southern and western banks of the Whitewater River above Palm Canyon Wash do not provide adequate protection against 1- and 0.2-percent annual chance flood flows. These flood flows inundate the north-western portions of the city between the western corporate limits and the Whitewater River.

Other sources of flooding are the floodflows discharging from Tramview Wash and Tramview Wash Tributary.

Due to the lack of adequate upstream control structures, flood flows are not properly channelized and directed safely through the city to the Whitewater River. Consequently, in a 1-percent annual chance frequency event, flows leave the channels and travel overland down the fans inundating the western portion of the city adjacent to State Highway 111.

Although the mean annual precipitation at the valley floor is very low, in the surrounding tributary mountains it can be substantial due to the mountains lofty elevations, which range to 10,805 feet at the summit of Mount San Jacinto. As a result of the normally arid nature of the area, the stream courses are dry except during and shortly after a storm. When a major storm does move into the area, water collects rapidly as surface runoff and, due to the precipitous descent from the mountains surrounding Cathedral City, reaches the canyons leading onto the alluvial cones in a comparatively short period of time. Consequently, resultant flood flows in the surrounding canyons are of the flash type, having sharp peaks and short durations. Due to the steepness and lack of vegetative cover in the mountains, flood flows in the area also carry large amounts of debris.

Temescal Wash has a drainage area of approximately 250 square miles at the confluence with the Santa Ana River in the northwestern corner of the city. Damaging floods occurred in 1938, 1943, and 1969. The floods causing the greatest dollar damage occurred in January and February 1969 and caused major damage in the Temescal Wash floodplain. The January storm caused more than $2 million worth of damage, and the total was even higher for the February storm.

plans and advises the Riverside County Planning Commission, which approves the plans for compliance with the flood protection provisions of this ordinance.

The county has also zoned the flooding areas along a number of the larger watercourses in the county as "Watercourse Areas." Development of permanent, inhabitable structures is prohibited within the zoned areas. Some uses, compatible with occasional flood conditions, are prescribed for this zone.

Other than the emergency ordinance developed for participation of communities in the NFIP, the City of Banning has not adopted a zoning ordinance that either delineates areas of flood hazard or regulates development on floodplains. The city does, however, consult the Riverside County Flood Control and Water Conservation District for technical advice on subdivisions and open-space zoning.

The Riverside County Flood Control District has constructed a number of flood protection and control facilities in the City of Banning in the past 20 years. These are the Sidney Street Channel, Montgomery Creek Channel, San Gorgonio River-Banning Levee, West Pershing Channel, Highland Springs Channel, Gilman Home Channel, and Smith Creek bank protection. Other flood control channels within the city consist of the old, substandard Work Progress Administration channels.

The Montgomery Creek Channel is a 1-percent annual chance design channel which eliminates the special flood hazards along this watercourse down to Ramsey Street. The Gilman Home Channel-Stage I improvements are also of 1-percent annual chance capacity, although they do not fully eliminate flooding in this area, which results from overflow and sheet flooding from East Gilman Home Channel. Montgomery Creek Channel, Pershing Channel, Sidney Street Channel, and the San Gorgonio River-Banning Levee are flood protection facilities which performed well in minimizing flood damages during the 1969 storms.

Highland Springs Channel is a 1-percent annual chance design improvement, but suffers from a lack of inlet capacity to the subterranean box culvert below Wilson Street. Consequently, below this point, Highland Springs Avenue still suffers from sheet flow flooding.

West Pershing Channel is a 1-percent annual chance design channel throughout its improved segment. It empties into the natural streambed below Wilson Street.

East Gilman Home Channel from George Street to 1,000 feet upstream of Gilman Street is a 5-foot deep Works Progress Administration rubble trapezoidal channel with a 3-foot bottom width and a 7-foot top width.

Gilman Home Channel from Westward Avenue to Interstate Highway 10 is a 1-percent annual chance design channel. From Interstate Highway 10 to George Street, it is an old, 5-foot deep trapezoidal channel with a 3-foot bottom width and a 7-foot top width. From George Street to 1,000 feet downstream of Wilson Street, it is a 7-foot wide by 6-foot high concrete rectangular channel. From 1,000 to 400 feet downstream of Wilson Street, it is a 5-foot deep concrete trapezoidal channel with a 5-foot bottom width and 20-foot top width.

Highlands Springs Channel from Fifth Street to Eight Street (Wilson Street) is a 6-foot high, 6-foot wide, reinforced-concrete box.

From 8th to 12th Streets, Highland Springs Channel is a 5.5-foot deep concrete trapezoidal channel with a 5-foot bottom width and a 21.5-foot top width. No portion of Highland Springs Channel is located within the corporate limits of Banning; however, overflow from the channel enters the city, so it was included in the study.

Indian Canyon Channel, from Wilson Street to 400 feet north of Indian School Lane, is a 5-foot deep Works Progress Administration rubble channel with a 3-foot bottom width and 7-foot top width. Montgomery Creek Channel is a 6-foot high, 10-foot wide reinforced-concrete box culvert under Interstate Highway 10 and Ramsey Street. From Ramsey to Nicolet Streets, it is a 6-foot high, 10-foot wide reinforced-concrete rectangular channel. From Nicolet to Wilson Streets, it is a 5.5-foot deep concrete trapezoidal channel with a 3-foot bottom width and a 19.5-foot top width. From Wilson Street to Sunset Avenue, it is a 5-foot deep concrete trapezoidal channel with a 3-foot bottom width and an 18-foot top width.

Ramsey Street Drain is a 4-foot high, 8-foot wide reinforced-concrete box culvert under Interstate Highway 10. From Interstate Highway 10 to Ramsey Street, it is a 6-foot deep concrete trapezoidal channel with a 3-foot bottom width and a 27-foot top width. From Ramsey Street to 300 feet northwest of the intersection of Ramsey and Alola Streets, it is a 4-foot high reinforced-concrete box that is 5.5 feet wide. From 300 feet northwest of the intersection of Ramsey and Alola Streets to 200 feet downstream of San Gorgonio Avenue, it is a 5-foot deep Works Progress Administration rubble channel with a 3-foot bottom width and a 7-foot top width. From 200 feet downstream of San Gorgonio Avenue to the upstream face of San Gorgonio Avenue crossing, it is a 60-inch reinforced-concrete pipe. From the upstream face of San Gorgonio Avenue crossing to Wilson Street, it is a 5-foot deep Work Progress Administration rubble channel with a 3-foot bottom width and a 7-foot top width.

On the San Gorgonio River, 900 feet northeast of the intersection of Banning Canyon Road and Summit Drive, is 700 lineal feet of rock and wire mesh levee. From Wilson Street to 300 feet south of an extension of the centerline of Pendleton Road, Sidney Street Channel is a 2-foot deep concrete trapezoidal channel with a 3-foot bottom width and a 9-foot top width. From 30 feet south to 80 feet north of an extension of the centerline of Pendleton Road, it is a 3-foot deep concrete trapezoidal box with a 2.5-foot bottom width and a 4-foot top width. From 80 feet north of an extension of centerline of Pendleton Road to the intersection of Repplier Road and Sidney Street, it is a 2-foot deep concrete trapezoidal channel with a 3-foot bottom width and a 9-foot top width. From the intersection of Repplier Road and Sidney Street to 880 feet north at the mouth of the canyon, there are 280 lineal feet of 3.6-inch reinforced-concrete pipe, 432 lineal feet of 42-inch reinforced-concrete pipe, and 160 lineal feet of 48-inch reinforced-concrete pipe, in that order.

On Smith Creek, upstream from the banning Sewage Disposal Plant, there are 1,500 lineal feet of concrete slope protection along the north bank.

West Pershing Channel is a 5-foot high and 600-foot wide reinforced-concrete box culvert under Wilson Street. From Wilson Street to 400 feet north of the corporate limits it is a 5-foot deep concrete trapezoidal channel with a 5-foot bottom width and a 20-foot top width.

Other than the emergency ordinance developed for participation of communities in the NFIP, the City of Beaumont has no zoning ordinance that either delineates areas of flood hazard or regulates development on floodplains.

The only flood protection and control measure constructed by the Riverside County Flood Control District in the City of Beaumont is the Cherry Avenue Channel. This channel, while it does not contain the 1-percent annual chance discharge, does keep the flooding down to shallow sheet flow, except in a low-lying residential area west of the channel, below 8th Street.

A full listing of flood protection measures resulting from channel improvements is given below for Cherry Avenue Channel:

> A double 6-foot wide by 3-foot high reinforced concrete box culvert under Interstate Highway 10; from Interstate Highway 10 to 6th Street, an 8-foot wide by 5-foot high earth channel; from 6th Street to 8th Street, an 8-foot bottom width, 16-foot top width, 4-foot deep concrete trapezoidal channel; from 8th Street to 200 feet to the north, an 8-foot wide by 5-foot deep earthen channel; from 200 feet north of 8th Street to 400 feet north of its intersection with Cherry Avenue, a pipe and wire revetted earthen dike.

Numerous levee systems have been constructed along the various drainages leading into Cathedral City. The oldest and most developed portion of the city is built on the alluvial fan formed at the outlet of Cathedral Canyon which drains into the southernmost part of the city. This area lies between East, West, and North Cathedral Channels, and is essentially surrounded by levees and storm channels which prevent floodflows from the above-mentioned flooding sources.

Revetted levees run along the east side of West Cathedral Channel and the west side of East Cathedral Channel. The levees begin a few hundred feet downstream of Foothill Road and extend downstream past State Highway 111. Here the levees merge with, and are connected by, the concrete-lined channel that contains drainage from North Cathedral Channel. These levees contain both 1- and 0.2-percent annual chance flooding.

In 1979, an improvement was made to North Cathedral Channel upstream of the confluence with West Cathedral Channel. A trapezoidal concrete-lined channel 6 to 7 feet in depth was built from just above the confluence with West Cathedral Channel to 2,040 feet upstream. The channel was constructed for the Riverside

County Flood Control District and is designed to contain a 1-percent annual chance flow of 2,300 cubic feet per second (cfs).

Levees along the Whitewater River essentially consist of large sandpiles with no reinforcement. These levees are easily eroded and thus require periodic maintenance. The Coachella Valley Water District has overseen the most recent restorations to portions of the levees between 34th Avenue and Ramon Road. In many locations, the Whitewater River levees conform to FEMA standards (3 feet of freeboard with respect to the 1-percent annual chance flood) for 1-percent annual chance flood protection; however, the instability of sand over time and during severe flooding places limitations on the dependability of that protection.

The City of Corona, in conjunction with the Riverside County Flood Control District, requires all new development to provide protection from the 1-percent annual chance flood, either by design or channel improvements.

Main Street and Arlington Channels are fully improved 1-percent annual chance design channels. These improvements eliminate the special flood hazards adjacent to the channels. In addition, there is a debris basin and outlet control at the upstream limit of Main Street Channel.

On Mangular Channel, several segments have been improved. The segment from the confluence with Oak Street Channel to Ontario Avenue is a fully improved 1-percent annual chance design channel. However, until the upstream portions are completed, this channel does not provide effective control. A debris basin with 1-percent annual chance flood control has been built at the mouth of Mabey Canyon, the major tributary to Mangular Channel. In conjunction with this basin, a fully improved channel with 1- to 0.2-percent annual chance flood control has been built from the spillway downstream for approximately 1,500 feet. The remaining 4,000 feet between the downstream limit of this segment and Ontario Avenue is uncontrolled flow on an alluvial cone. A 4-foot-high structural wall has been built along the segment of channel improvement adjacent to Border Avenue. This wall provides control and defines the eastern edge of Border Avenue as the limit of the special flood hazard in the reach of Mangular Channel.

The Temescal Wash channel contains the 1-percent annual chance flood discharge between Cota Street and the Atchison, Topeka & Santa Fe Railway crossing just downstream of Riverside Freeway.

The Riverside County Flood Control and Water Conservation District reviews all proposed developments within the city for potential flood hazards and flood-control requirements. Those developments under review were considered during the preparation of this study.

The RCFCWCD has made channel improvements in Desert Hot Springs, but none provide complete protection from the 1-percent annual chance flood.

Blind Canyon Channel drains an area north of the city in the Little San Bernardino Mountains. At the northern corporate limits, the drainage is collected and routed

and the gage records. The gage records were used to estimate the higher frequency (2- and 5-year) discharge values. These values were used as input for the FEMA FAN model (Harty, D.S., 1982). The locations and lengths of record for the stream gages used are shown below.

Gage and Location	Gage No.	Drainage Area (Square Miles)	Period of Record (Years)
Mission Creek, near Desert Hot Springs	10257600	35.7	20
Long Creek, near Desert Hot Springs	18100200	19.4	16

There are no gage records on Big Morongo or Little Morongo Canyons. The regional equations were used to estimate the higher frequency discharges for these flooding sources. For both Big Morongo and Little Morongo Canyons the discharge-frequency curves were estimated by fitting a curve through 50-, 20-, and 1-percent annual chance discharge values. The 50-percent annual chance value was estimated by plotting the discharge-frequency curve and the discharge-frequency curve defined by the regional equations. The regional equation was used directly to compute the 20-percent annual chance discharge; and the rainfall-runoff model computed value was used for the 1-percent annual chance discharge.

The discharge values calculated by the regional equations were used for Stream A. The discharge-frequency curve for this stream was defined by a least-squares fit of the regional discharge-frequency values to a log-Pearson Type III distribution.

Dry Morongo Canyon has also been studied for this revision. Dry Morongo Canyon has a drainage area of 8.9 square miles which lies between the Mission Creek and Big Morongo basins. The discharge-frequency curve for Dry Morongo Canyon was estimated by using the regional equations in the same manner as Stream A.

The peak flood elevations for Lake Elsinore were taken directly from a study by the USACE (USACE, 1983). The 10-, 2-, 1-, and 0.2-percent annual chance peak lake elevations are based on a frequency analysis of recorded lake levels between 1916 and 1980, supplemented by the computed standard-project-flood maximum water-surface elevation. In performing the frequency analysis, the USACE converted the recorded elevations into storage volumes, ranked and plotted the storage volumes using median plotting positions, and visually fitted a smooth frequency curve to the plotted points. The storage volume generated by the standard project flood was used as a guide in deriving the frequency-elevation relationship for Lake Elsinore. The peak elevations shown below are based on existing conditions at the lake outlet.

In the City of Banning, to define discharge-frequency data for streams under study other than the 1-percent annual chance discharges on East Gilman Home Channel and portions of Montgomery Creek and Gilman Avenue Channels, a regional relationship of basin characteristics to streamflow characteristics was used (USACE, 1973). The effects of urbanization on runoff were accounted for by using the results of a USGS study (U.S. Department of the Interior, 1974).

Peak discharges at the 1-percent annual chance recurrence interval for East Gilman Home Channel and portions of Montgomery Creek and Gilman Avenue Channels were obtained from studies prepared by the Riverside County Flood Control and Water Conservation District (Riverside County Flood Control and Water Conservation District, Correspondence). Peak discharges at the 1-percent annual chance recurrence interval for Pershing and Smith Creeks were obtained from a USACE Floodplain Information report (USACE, 1973).

Peak discharges for stream studied in detail are presented in Table 4. Discharges presented have been reviewed by the USACE, the City of Banning, and the Riverside County Flood Control District. All groups involved concurred with the discharges presented.

Debris potential was considered in analysis throughout the general area of Riverside County, and specifically in the City of Banning. The current policies of several agencies with expertise in hydraulic analysis were researched, including the USACE, Hydrologic Engineering Center; the USACE, Los Angeles District office; San Bernardino County Flood Control District; and Riverside County Flood Control District.

Based on the previously mentioned data and the study contractor's own experience, criteria were adopted for consideration of the debris potential in the streams studied. The debris potential for each stream is classified as either high, medium, or low, based on historic flood data, an analysis of the characteristics of the drainage area, and a field investigation of the flooding source by hydraulic engineers. On streams with low debris potential, no provision for debris was made in the hydraulic analysis. For stream reaches where the debris potential was determined to be medium, the bridge geometry was altered using the following criteria:

1. At all reinforced-concrete box culverts and bridge crossings where the cross-sectional end area was 100 square feet or less, the pier widths were doubled. Where the crossing consisted of two or more circular pipes, the cross-sectional end area was reduced by 20 percent.

2. At all bridge crossings with cross-sectional end areas between 100 and 250 square feet, 1 foot of width was added to each pier.

3. At all bridges with cross-sectional end areas greater than 250 square feet, 2 feet of width was added to each pier.

For stream reaches where the debris potential was determined to be high, the bridge geometry was adjusted by the same criteria listed above and, in addition, peak discharges were bulked by a factor from 1.1 to 1.5, based on an individual analysis of the flooding source.

Debris potential was determined to be high for all but three flooding sources in the City of Banning; these discharges were bulked by a factor of 1.25 accordingly. Discharges for San Gorgonio River and Smith Creek were not bulked to meet

Floodplain Information report data (USACE, 1973). Debris potential for Highland Springs Channel was considered to be low.

The discharges for the following streams were bulked by a factor of 1.25 for debris consideration: East Gilman Channel; Indian Canyon Channel; Montgomery Creek; Pershing Creek; Smith Creek; West Pershing Channel; Ramsey Street Drain; Sidney Street Drain; and the lower end of Gilman Home Channel, from the confluence with Smith Creek up to Westard Avenue.

For Gilman Home Channel, any discharge in excess of the channel capacity was treated as sheet flow. At the confluence with East Gilman Home Channel, the channel reverts to the old Works Progress Administration channel, whose capacity is exceeded. From this point downstream, the capacity of this channel was calculated and the excess discharge was analyzed by the use of existing topographic mapping (Riverside County Flood Control District, 1972) and field investigation combined with top width and depth calculations based on Manning's equation. Once the overland sheet flow gets onto Interstate Highway 10, it flows east to the low points, where it joins with a portion of the overland flow from Ramsey Street Drain.

In the City of Beaumont, to define discharge-frequency data for the streams under study, a regional relationship of basin characteristics to streamflow characteristics (U.S. Department of the Interior, 1970) was used. The effects of urbanization on runoff were accounted for by utilizing the results of a USGS study (U.S. Department of the Interior, 1974), which provided a digital simulation of the effects of urbanization on runoff in the Upper Santa Ana Valley.

Significant ponding occurs along Beaumont Channel due to the high freeway embankment intersecting the channel. The effects of ponding on the peak discharges were accounted for by using the USACE's HEC-1 computer program, utilizing the Modified Puls Reservoir Routing subroutine (USACE, 1973).

In the City of Cathedral flood discharges for the Whitewater River at the confluence with Palm Canyon Wash were taken from a report prepared by Philip Abrams Consulting Engineers for the Riverside County Flood Control District (Philip Abrams Consulting Engineers, 1975).

For Palm Canyon Wash, flood discharges were taken from a hydrologic report of the Whitewater River Basin compiled for the USACE, Los Angeles District (Ken O'Brien and Associates, 1978).

These discharges were computed by log-Pearson Type III analysis as outlined by the U.S. Water Resources Council (U.S. Water Resources Council, 1976) from data collected at the following stream gages:

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
DEEP CANYON CHANNEL					
Approximately 1,000 feet east of Haystack Channel Junction	63.8	2,000	8,200	13,000	40,000
At Buckboard Trail	63.1	2,000	8,200	13,000	40,000
DEEP CANYON STORM WATER CHANNEL					
At Whitewater River	68.7	2,000	8,600	14,000	40,000
At Camino Del Ray	67.4	2,000	8,600	14,000	40,000
Approximately 700 feet south of El Dorado Drive	66.2	2,000	8,200	13,000	40,000
Approximately 1,000 feet east of Haystack Channel Junction	63.8	2,000	8,200	13,000	40,000
At Buckboard Trail	63.1	2,000	8,200	13,000	40,000
DESERT HOT SPRINGS CHANNEL					
At confluence with Big Morongo Wash	8.2	600	2,000	3,000	7,000
Approximately 500 feet south of West 8th Street	7.9	600	2,000	3,000	7,000
Below confluence with Blind Canyon Channel	5.8	600	2,000	3,000	7,000
At Palm Drive	1.0	200	660	1,000	2,300
At Verbena Drive	0.5	160	330	500	1,200
DRY MORONGO WASH					
At Apex	8.91	500	3,060	5,170	12,610
EAST GILMAN HOME CHANNEL					
At confluence with Gilman Home Channel	1.1	290	690	1,000	2,000
At Canyon Base	1.0	290	690	1,000	2,000
EAST PERSHING CHANNEL					
At Ramsey Street	0.7	140	380	590	1,200
At corporate limits	0.2	70	160	240	460

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
EAST RANCHO MIRAGE STORM CHANNEL					
At confluence with Palm Valley Drain	0.9	120	510	860	2,400
Approximately 4,000 feet southwest of Indian Trail Road	0.4	70	300	500	1,400
ELSINORE SPILLWAY CHANNEL[1]					
At Flint Street	[2]	540	1,100	1,440	11,000[3]
At Lakeshore Drive	1.1	340	660	900	11,000[3]
GILMAN HOME CHANNEL					
At confluence with Smith Creek	3.0	600	850	1,000	1,700
Downstream of Interstate Highway 10	2.3	450	450	450	450
At Interstate Highway 10	2.3	660	1,400	2,000	4,100
Downstream of George Street	2.0	600	1,300	1,820	3,700
At George Street	0.9	320	700	940	1,900
Downstream of confluence of Gilman Home Channels A and B	0.7	270	560	780	1,500
GILMAN HOME CHANNEL A					
At Canyon Base	0.3	120	250	350	670
GILMAN HOME CHANNEL B					
At Canyon Base	0.4	150	320	450	860
HARGRAVE STREET DRAIN					
At Interstate Highway 10	0.4	140	270	400	750
At Gilman Street	0.2	90	160	220	410

[1]Flows going toward Lake Elsinore
[2]Flows represent 60 percent of flows leaving Wasson Canyon Creek
[3]Represents spillway flow out of Lake Elsinore

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
McVICKER CANYON					
At mouth of canyon	2.5	*	*	1,690	*
At Lake Elsinore	*	*	*	4,060	*
MISSION CREEK					
At Highway 62	41.09	1,930	8,480	13,170	28,550
MONTGOMERY CREEK					
At confluence of Smith Creek	2.6	770	1,600	2,300	2,800
Downstream of Interstate Highway 10	2.1	660	1,300	1,880	1,900
At Ramsey Street	2.1	660	1,300	1,880	3,700
At Sunrise Avenue	1.6	540	1,100	1,500	2,900
At Sunset Avenue (at Canyon Base)	1.1	400	800	1,000	2,100
MONTGOMERY CREEK TRIBUTARY					
At confluence with Montgomery Creek Channel	0.1	33	80	120	230
MURRIETA CREEK					
At confluence	220.0	*	*	30,900	*
At Washington Avenue	48.70	*	*	9,700	*
At Lemon Street	32.80	*	*	,9700	*
At Clinton Keith Road	12.34	*	*	5,364	*
At McVicar Street	10.35	*	*	4,822	*
Approximately 1,000 feet downstream of confluence with Santa Gertrudis Creek	*	*	*	19,300	*
Approximately 3,200 feet upstream of confluence with Long Valley Creek	*	*	*	28,500	*
NORTH CATHEDRAL CHANNEL					
Downstream of confluence with Tramview Wash	3.9	400	1,550	2,600	7,400

*Data not available

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
PALM VALLEY STORMWATER CHANNEL (continued)					
At Pitahaya Street	7.90	620	2,700	4,500	12,000
At Willow Street	7.00	560	2,500	4,200	12,000
Approximately 1,500 feet southwest of State Highway 74 and Bel Air Road	6.20	520	2,400	3,800	11,000
At Starburst Drive	4.60	450	2,000	3,200	9,000
PARK HILL DRAIN					
At mouth	4.1	*	*	1,220	*
PARK HILL DRAIN BASIN					
At outlet of Park Hill Detention	2.8	*	*	700	*
PECHANGA CREEK					
At mouth	14.0	3,920[1]	5,840[1]	6,680[1]	8,980[1]
PERSHING CREEK AND SMITH CREEK					
Downstream of Southern Pacific Railroad	7.4	1,200	400	5,100	9,300
Upstream of Interstate Highway 10	7.3	1,200	4,000	6,000	13,700
PERRIS VALLEY STORM DRAIN					
At confluence with San Jacinto River	82.5	2,200	8,100	13,000	34,000
At Nuevo Road	75.7	2,200	8,100	13,000	34,000
At Rider Street	67.7	1,900	7,000	11,300	30,000
PUSHAWALLA CANYON					
At Apex	33.7	3,460	6,680	8,050	11,700

[1]Includes adjustment for flow transfer from Pechanga Creek

*Data not available

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
RAMSEY STREET DRAIN					
At San Gorgonio Avenue	1.1	310	620	870	1,800
Upstream of Interstate Highway 10	0.7	210	430	600	1,200
Downstream of Interstate Highway 10	0.7	210	430	600	640
RICE CANYON					
At mouth	2.8	*	*	1,900	*
SALT CREEK					
At Lyon Avenue	42.4	1,500	5,700	9,200	24,000
SALT CREEK TRIBUTARY					
At State Street	7.0	500	1,700	2,800	7,000
SAN GORGONIO RIVER					
At San Gorgonio River-Banning Levee	22.4	2,400	8,000	12,000	28,000
SAN JACINTO RIVER[1]					
Downstream of Wash D	701.9	1,200	12,000	24,500	70,000
At Gage Station	700.3	1,200	12,000	24,500	70,000
At Spillway	692.0	1,200	12,000	24,500[2]	70,000
At Escondido Freeway	509.0	7,000	27,000	44,000	100,000
SANTA ANA RIVER					
At Hamner Avenue	963.0	22,000	102,000	175,000	340,000
SIDNEY STREET CHANNEL					
At Wilson Street	0.3	100	210	300	590
At Canyon mouth	0.1	33	80	120	230
SMITH CREEK					
At City of Banning corporate limits	29.1	3,200	11,000	16,000	37,000
Approximately 500 feet downstream of Hathaway Street	26.1	2,800	9,400	14,000	33,000

[1]Excludes 18 square miles above Pidgeon Pass and Perris Dam

[2]Peak discharge provided by the Riverside County Flood Control and Water Conservation District

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
SMITH CREEK (continued)					
At Banning Idyllwild Road	22.5	2,600	8,700	13,000	31,000
Downstream of Pershing Creek	15.5	2,000	6,700	10,000	24,000
SMITH CREEK EAST TRIBUTARY					
At confluence with Smith Creek West Tributary	0.2	56	140	210	410
At corporate limits	0.1	33	80	120	230
SMITH CREEK WEST TRIBUTARY					
At Ramsey Street	5.1	920	3,000	4,600	11,000
At corporate limits	4.5	860	2,900	4,300	10,000
SOUTH NORCO CHANNEL					
At confluence with Temescal Wash	4.3	150[1]	440[1]	1,700	4,700
At River Road	4.1	107[1]	340[1]	1,600	4,700
Approximately 4,000 feet downstream of First Street	0.8	98	300	480	1,100
At First Street	0.5	70	200	320	740
SOUTH NORCO CHANNEL, TRIBUTARY A					
Approximately 500 feet downstream of Parkridge Avenue	1.3	0	0	390	1,500
At Hamner Avenue	1.0	130	350	570	1,300
Approximately 4,000 feet downstream of First Street	0.8	98	300	480	1,100
At First Street	0.5	70	200	320	740

[1]Decrease due to storage upstream

*Data not available

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
WASSON CANYON CREEK					
At confluence with Temescal Wash	8.3[1]	580	1,900	2,400[2]	2,540
At State Highway 71	8.2[1]	580	1,900	2,400[2]	2,540
WEST MACOMBER PALMS CHANNEL					
At Apex	2.9	1,260	1,930	2,220	2,980
WEST NORCO CHANNEL					
At confluence with North Norco Channel	0.9	200	400	550	1,200
At Pine Avenue	0.5	130	250	350	740
WEST PERSHING CHANNEL					
At Ramsey Street	1.3	230	630	960	2,100
At corporate limits	0.7	140	380	580	1,200
WHITEWATER RIVER					
At Salton Sea	1,600	8,500	27,000	43,000	100,000
At Point Happy	843	8,500	27,000	43,000	100,000
Downstream of confluence with Palm Canyon Wash	743	9,000	30,000	47,000	110,000
Below Palm Valley Drain	*	8,800	28,000	46,000	106,000
WHITTIER AVENUE CHANNEL					
At Hemet Storm Channel	1.9	400	630	840	1,900
At Lyon Avenue	1.8	380	610	800	1,800
At Palm Avenue	1.3	300	460	610	1,400
At San Jacinto Avenue	0.8	200	320	410	900

[1]Flows limited by freeway culvert

[2]Peak discharge provided by the Riverside County Flood Control and Water Conservation District

*Data not available

washes where depths were less than 1 foot or the source of flooding drained less than 1 square mile, a Zone B designation was employed.

Water-surface elevations of floods of the selected recurrence intervals were computed through use of the USACE HEC-2 step-backwater computer program (USACE, 1973; USACE, 1976) for reaches of Gilman Home Channel, Montgomery Creek, Pershing Creek, West Pershing Channel, San Gorgonio River, Smith Creek, and Smith Creek West Tributary. For other flooding sources covered by this study, flood elevations were determined by a series of hand calculations.

Cross sections for the majority of the hydraulic analyses were taken from topographic maps at a scale of 1:2,400, with a contour interval of 4 feet, reduced by the study contractor to 1:4,800 (Riverside County Flood Control District, 1972). In areas where there had been substantial cross-sectional changes due to development not reflected on the existing topographic maps, field-surveyed cross sections and improvement plans were used to supplement the mapping. Improvement plans supplied by the Riverside County Flood Control District were used in the analyses of Gilman Home Channel – Stage I Improvements; Highland Springs Channel; Montgomery Creek Channel; Sidney Street Channel; and West Pershing Channel.

Flood profiles were drawn for the portions of the channels that were studied through use of the HEC-2 program. Portions of channels that were not studied using HEC-2 were those where the nature of flooding is shallow sheet flow. No profiles were developed for these sources of sheet flooding because flood elevations plotted along the centerline of the channel have little relevance to the condition of flooding in the overbanks. This is particularly true in Banning, as the old Works Progress Administration channels are of less than 1-percent annual chance capacity and, in their downstream portions through the center of the city, they are of only approximately 10-percent annual chance capacity.

The sheet flows are unpredictable, are determined strictly by local topography, and do not lend themselves to HEC-2 backwater analysis (USACE, 1973; USACE, 1976). Consequently, no flood profiles were developed for East Gilman Home Channel, Indian Canyon Channel, Ramsey Street Drain, and Sidney Street Drain.

Additionally, three flooding sources contain segments in which the condition of sheet flooding exists. Therefore, profiles were not developed for portions of Gilman Home, Highland Springs, and Montgomery Creek Channels.

Three of the improved channels studied have segments which are of 1-percent annual chance design. These are Gilman Home Channel – Stage I Improvements, Montgomery Creek Channel, and West Pershing Channel. These segments were studied through use of the HEC-2 program to develop a profile for the 10-, 2-, and 1-percent annual chance frequencies; however, the 0.2-percent annual chance discharge in each case would exceed the banks of the channel becoming sheet flow in the overbanks. The 0.2-percent annual chance profile in these cases was

established by obtaining the depth of sheet flow, and plotting the water-surface elevation as that distance above the channel banks.

The following paragraphs are an enumeration of the flooding sources studied and the methods of hydraulic analysis used for each.

The upper reach of Gilman Home Channel from a point 300 feet downstream of Wilson Street upstream to the confluence of channels A and B, is a natural swale and was analyzed using the HEC-2 program. From 300 feet downstream of Wilson Street down to the confluence with East Gilman Home Channel, it is a 1-percent annual chance design channel. This was analyzed using the HEC-2 program. The lower end of Gilman Home Channel, from the confluence with Smith Creek up to Westward Avenue, was also analyzed using the HEC-2 program.

The lower reach of Montgomery Creek, from Smith Creek to Interstate Highway 10, was analyzed using the HEC-2 program.

For Pershing and Smith Creeks, pressure-flow calculations were used to determine ponding elevations behind the Southern Pacific Railroad embankment and in the sump area behind Interstate Highway 10, where the flows from these watercourses combine to produce a significant ponding situation.

The West Pershing Channel upstream from the ponding area behind Interstate Highway 10 was studied using the HEC-2 computer program.

The Ramsey Street Drain Channel and its overflow, from Wilson Street downstream to Interstate Highway 10, was analyzed in the same manner as the lower portion of Gilman Home Channel. Ramsey Street Drain is an old Works Progress Administration channel in which capacity is less than the 1-percent annual chance storm. Culvert capacities were also checked to determine additional overflow at street crossings.

The San Gorgonio River was analyzed using the HEC-2 program for the detailed study reach.

For Smith Creek-West Tributary above the ponding area behind Interstate Highway 10, flood elevations were also determined using the HEC-2 program.

Elevations for all streams studied by approximate methods were determined by normal depth analysis supplemented with hand calculations.

Water-surface elevations of floods of the selected recurrence intervals were computed through use of the USACE HEC-2 step-backwater computer program for portions of Marshall Creek. For other flooding sources covered by this study, flood elevations were determined by a series of hand calculations.

Cross sections for the hydraulic analyses were taken from topographic maps at a scale of 1:2,400, with a contour interval of 4 feet, furnished by the Riverside County

TABLE 6 - MANNING'S "n" VALUES - continued

Stream	Channel "n"	Overbank "n"
Perris Valley Storm Drain	0.030	0.030
San Jacinto River	0.025 – 0.060	0.025 – 0.060
East Gilman Home Channel	0.017	0.035
East Pershing Channel	0.040	0.040
Gilman Home Channel	0.015 – 0.035	0.030 – 0.100
Highland Springs Channel	0.015	0.040 – 0.050
Indian Canyon Channel	0.017	0.035 – 0.100
Montgomery Creek	0.015 – 0.035	0.031 – 0.100
Ramsey Street Drain	0.014 – 0.035	0.017 – 0.100
San Gorgonio River	0.035	0.040
Sidney Street Channel	0.014 – 0.020	0.035 – 0.060
Smith Creek	0.027	0.035
Smith Creek West Tributary	0.030	0.040
West Pershing Channel	0.015 – 0.040	0.030 – 0.035
Beaumont Channel	*	0.015 – 0.080
Cherry Avenue Channel	0.015 – 0.040	0.030 – 0.080
Marshall Creek	0.030 – 0.050	0.035 – 0.040
Whitewater River	0.020 – 0.400	0.030 – 0.100
West Cathedral Channel	0.014	0.014
East Cathedral Channel	0.030	0.030
Palm Canyon Wash	0.030	0.030
North Cathedral Channel downstream of confluence with West Cathedral Channel	0.014	0.050 – 0.080
North Cathedral Channel upstream of confluence with West Cathedral Channel	0.015 – 0.125	
Tramview Wash	0.015 – 0.125	
Tramview Wash Tributary	0.015 – 0.125	
Arlington Channel	0.015	0.040
Lincoln Avenue Drain	*	0.030 – 0.060
Main Street Channel	0.015	0.040 – 0.125
Mangular Channel	0.015 – 0.075	0.020 – 0.075
North Norco Channel	0.030 – 0.060	0.035 – 0.095
Oak Street Channel	0.018 – 0.065	0.030 – 0.080
South Norco Channel	0.030 – 0.050	0.035 – 0.095
South Norco Channel Tributary A	0.035 – 0.045	0.035 – 0.125
Temescal Wash	0.030 – 0.100	0.025 – 0.095
West Norco Channel	0.035 – 0.060	0.030 – 0.100
Country Club Creek	0.035 – 0.060	0.030 – 0.100
Stetson Avenue Channel	0.015	0.035 – 0.040
Whittier Avenue Channel	0.013	0.035 – 0.040
Salt Creek	0.035	0.035
Salt Creek Tributary	0.035	0.035
Deep Canyon Storm Water Channel	0.016 – 0.030	0.025 – 0.060
Elsinore Spillway Channel	0.040 – 0.060	0.035 – 0.090
Temescal Canyon	0.035 – 0.060	0.035 – 0.045

and 1:12,000, with a contour interval of 4 feet and 40 feet, respectively; using aerial photographs at a scale of 1:2,400 (Riverside County Flood Control District, 1974).

Processes of erosion and deposition that cannot be modeled in the HEC-2 analyses or by other computation methods are often the most damaging effects of major floods in Riverside County. On streams where these factors are of major importance, heavy reliance was placed on historical flood limits to establish floodplain boundaries.

For most of the streams studied by approximate methods, the boundary of the 1-percent annual chance flood was taken from the most reliable information available. The RCFCWCD provided floodplain boundary maps for Jenson Creek, Perris Valley Storm Drain, and Day Creek (Riverside County Flood Control and Water Conservation District, 1974). The California Department of Water Resources report, Riverside County Flood Hazard Investigation – Murrieta Creek, provided boundaries for Murrieta Creek (California Department of Water Resources, 1975). Floodplain Information reports by the USACE provided floodplain boundaries for Salt Creek (USACE, 1969), San Gorgonio River (USACE, June 1973), and San Jacinto River (USACE, 1970). On streams where no reliable floodplain boundary information was available, floodplain boundaries were determined on the basis of approximate hydrologic and hydraulic calculations in conjunction with field investigations by hydraulic engineers.

The 1- and 0.2-percent annual chance floodplain boundaries for Marshall Creek and Highland Springs Channel were taken from the FIS of the City of Beaumont (U.S. Department of Housing and Urban Development, 1978); for portions of Salt Creek, from the FIS for the City of Hemet (U.S. Department of Housing and Urban Development, 1978); for Smith Creek, from the FIS for the City of Banning (U.S. Department of Housing and Urban Development, 1978); for portions of Temescal Wash, from the FIS for the City of Corona (U.S. Department of Housing and Urban Development, 1978); for McVicker Canyon and Ortega Wash, from the FIS for the City of Lake Elsinore (U.S. Department of Housing and Urban Development, 1980); and for Desert Hot Springs Channel, from an unpublished FIS for the City of Desert Hot Springs (U.S. Department of Housing and Urban Development, unpublished).

In areas where the flood hazard consists of shallow flooding on alluvial, sloping plains, flood boundaries were determined by a combination of extensive field investigation, analysis of the latest topography, normal depth calculations, and historical flooding data.

Boundaries for the 0.2-percent annual chance storm in segments of Gilman Home Channel – Stage I Improvements, Montgomery Creek Channel, and West Pershing Channel were determined by plotting the topwidth of the discharge in excess of the channel capacity according to topography. Depths were then checked using Manning's equation.

The discharges from Ramsey Street Drain and Gilman Home Channel were combined at the point of convergence and weir calculations defined the width of the flood boundaries. The AO Zone from George Street to Livington Street on Gilman

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Montgomery Creek								
A	650[1]	350	420	6.2	2,229.1	2,229.1	2,229.1	0.0
B	1,400[1]	520	530	5.5	2,246.5	2,246.5	2,246.5	0.0
C	2,300[1]	490	480	5.5	2,266.8	2,266.8	2,266.8	0.0
D	3,100[1]	160	340	8.5	2,284.9	2,284.9	2,284.9	0.0
E	4,000[1]	80	250	10.2	2,303.0	2,303.0	2,303.0	0.0
F	4,750[1]	160	310	7.8	2,331.2	2,331.2	2,331.2	0.0
G	5,700[1]	90	250	10.6	2,355.8	2,355.8	2,355.8	0.0
H	6,650[1]	50	210	11.2	2,381.1	2,381.1	2,381.1	0.0
I	7,450[1]	40	180	11.8	2,402.6	2,402.6	2,402.6	0.0
J	9,150[1]	10	60	31.8	2,467.2	2,467.2	2,467.2	0.0
K	9,900[1]	10	60	32.9	2,489.7	2,489.7	2,489.7	0.0
L	10,600[1]	10	40	31.6	2,511.3	2,511.3	2,511.3	0.0
M	11,650[1]	15	40	34.3	2,550.0	2,550.0	2,550.0	0.0
N	12,700[1]	15	40	32.3	2,591.2	2,591.2	2,591.2	0.0
O	13,550[1]	15	40	28.4	2,625.4	2,625.4	2,625.4	0.0
P	14,350[1]	20	80	16.2	2,656.4	2,656.4	2,656.4	0.0
Mountain Avenue Wash								
A	2,290[2]	90	121	6.6	1,423.5	1,423.5	1421.4	0.4
B	3,050[2]	78	169	4.7	1,428.1	1,428.1	1426.3	0.7
C	3,735[2]	67	84	5.1	1,431.4	1,431.4	1429.4	0.5
D	4,130[2]	61	85	3.9	1,433.9	1,433.9	1432.0	0.6

[1] Feet Above Confluence With Smith Creek
[2] Feet Above Confluence With San Jacinto River

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

RIVERSIDE COUNTY, CA AND INCORPORATED AREAS

FLOODWAY DATA

I-1289

MONTGOMERY CREEK – MOUNTAIN AVENUE WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Smith Creek								
A	10,200	420	1,520	10.8	2,061.2	2,061.2	2,061.2	0.0
B	11,200	330	1,840	10.0	2,077.1	2,077.1	2,077.1	0.0
C	12,000	480	1,530	10.6	2,086.9	2,086.9	2,086.9	0.0
D	12,850	500	1,670	10.2	2,100.2	2,100.2	2,100.4	0.2
E	13,700	590	1,800	9.7	2,110.4	2,110.4	2,110.5	0.1
F	14,800	260	990	14.1	2,123.8	2,123.8	2,124.0	0.2
G	15,750	270	1,130	12.6	2,134.4	2,134.4	2,135.1	0.7
H	16,750	330	1,420	11.1	2,144.6	2,144.6	2,144.6	0.0
I	17,800	280	1,190	11.8	2,153.8	2,153.8	2,153.8	0.0
J	18,800	250	1,170	12.3	2,165.2	2,165.2	2,165.2	0.0
K	19,800	90	820	17.1	2,177.4	2,177.4	2,177.4	0.0
L	21,300	310	1,300	10.9	2,189.9	2,189.9	2,189.9	0.0
M	22,400	230	2,730	4.9	2,207.8	2,207.8	2,207.8	0.0
N	23,500	400	1,300	10.1	2,212.4	2,212.4	2,212.4	0.0
O	24,750	230	930	11.4	2,224.3	2,224.3	2,224.3	0.0
P	25,650	390	1,190	9.1	2,231.6	2,231.6	2,231.6	0.0
Q	26,450	390	1,170	9.3	2,239.6	2,239.6	2,239.6	0.0
R	27,550	870	1,460	6.9	2,248.6	2,248.6	2,248.6	0.0
S	28,550	670	1,280	7.9	2,260.4	2,260.4	2,260.4	0.0

[1] Feet Above Confluence With San Gorgonio River

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

RIVERSIDE COUNTY, CA AND INCORPORATED AREAS

FLOODWAY DATA

SMITH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
West Cathedral Channel								
A	730[1]	160	332	4.5	304.2	304.2	305.2	1.0
B	2,010[1]	150	320	4.7	339.3	339.3	340.3	1.0
C	2,900[1]	150	320	4.7	377.3	377.3	378.3	1.0
D	3,800[1]	280	488	3.1	411.7	411.7	412.7	1.0
E	4,620[1]	150	302	5.0	444.2	444.2	445.2	1.0
F	6,120[1]	330	238	1.9	512.1	512.1	513.1	1.0
G	7,020[1]	180	228	2.0	571.3	571.3	572.3	1.0
H	8,020[1]	70	137	3.3	632.0	632.0	633.0	1.0
I	9,020[1]	110	171	2.6	689.6	689.6	690.6	1.0
J	9,775[1]	250	453	2.9	739.9	739.9	740.9	1.0
West Norco Channel								
A	1,170[2]	70	454	1.2	576.0	576.0	576.0	0.0
B	2,270[2]	120	368	1.0	576.1	576.1	576.1	0.0
C	3,010[2]	40	62	5.6	582.1	582.1	582.3	0.2
West Pershing Channel								
A	19,250[3]	20	30	21.8	2,565.2	2,565.2	2,565.2	0.0
B	20,150[3]	20	40	18.8	2,584.3	2,584.3	2,584.3	0.0

[1] Feet Above Confluence With North Cathedral Channel
[2] Feet Above Confluence With Temescal Wash
[3] Feet Above Confluence With Smith Creek

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

RIVERSIDE COUNTY, CA AND INCORPORATED AREAS

FLOODWAY DATA

WEST CATHEDRAL CHANNEL – WEST NORCO CHANNEL – WEST PERSHING CHANNEL