

CEQA-LEVEL DRAINAGE STUDY
FOR THE
COTTONWOOD SAND MINING PROJECT
(PDS2018-MUP-18-023)

July 24, 2024

Will sign and stamp upon approval

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FOR REVIEW ONLY

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MAP POCKET

Proposed Condition HEC-RAS Work Map

CD containing Rick Engineering Company LOMR files, Plot Plan and Reclamation Plan for the Cottonwood Sand Mining Project, HEC-RAS analyses, and FIRMs.

FOR REVIEW ONLY

INTRODUCTION

The Cottonwood Sand Mining Project is located at 3121 Willow Glen Road within the unincorporated southwestern portion of San Diego County (see Figure 1. Vicinity Map). The Assessor's Parcel Numbers are 506-021-19-00, 506-020-52-00, 518-012-13-00, 518-012-14-00, 518-030-05-00, 518-030-06-00, 518-030-07-00, 518-030-08-00, 518-030-10-00, 518-030-12-00, 518-030-13-00, 518-030-15-00, 518-030-21-00, 518-030-22-00, 519-010-15-00, 519-010-17-00, 519-010-20-00, 519-010-21-00, 519-010-33-00, 519-010-34-00, 519-010-37-00, and 519-011-03-00. The site is on the east and west sides of Steele Canyon Road and historically supported two 18-hole golf courses referred to as the Lakes course and the Ivanhoe course. The Lakes course is along the westerly portion of the site and is no longer operational. The majority of the site is within the Sweetwater River 100-year floodplain and regulatory floodway. The Sweetwater River flows in a southwesterly direction through the site and is included on FEMA's May 16, 2012, *Flood Insurance Rate Map* No.'s 06073C1668G, 06073C1669G, 06073C1931G, and 06073C1932G (included on CD). FEMA's floodplain and regulatory floodway mapping has been updated by a Rick Engineering Company Letter of Map Revision, which is discussed in the next section.

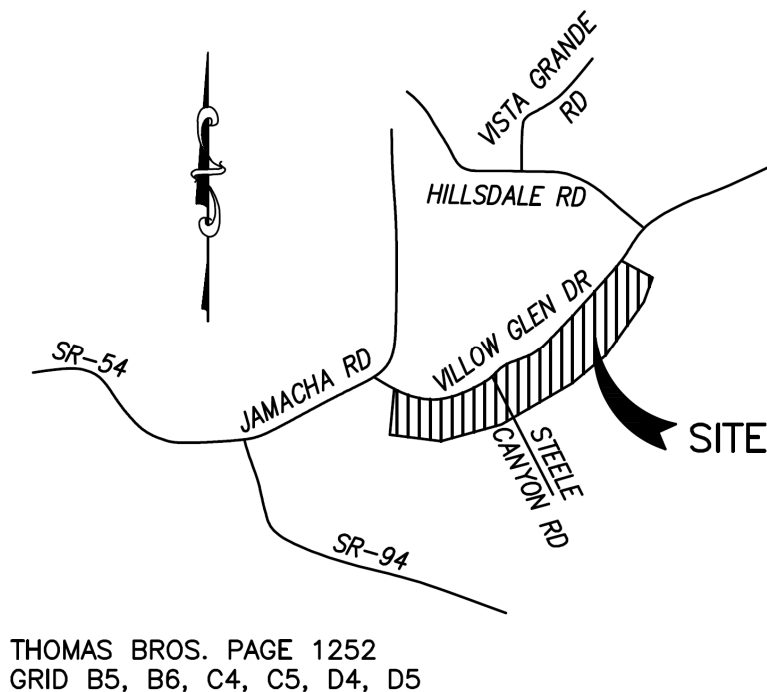


Figure 1. Vicinity Map

The project proposes mining and restoration activities within approximately 251 acres along and within the Sweetwater River floodplain. Extractive operations are expected to continue for 10 years in three mining phases with a total production of 3.8 million cubic yards (5.7 million tons). The maximum excavation depth is approximately 40 feet. Reclamation involving grading, habitat improvement, and revegetation would be an ongoing process starting in the second year as mining proceeds to the east and would continue in each subphase over approximately 10 years. Reclamation is anticipated to be concluded 2 years after mining completion. Post-mining

land use of the entire 280-acre property will include areas of sloped land and floodplain along the Sweetwater River and relatively flat areas along the property edges.

The project is primarily excavating within the FEMA floodplain and regulatory floodway, which will increase the flow conveyance area. This will be offset somewhat by the increased vegetation density resulting from replacing the existing golf course with revegetation and habitat restoration. A hydraulic goal is that the excavation will dominate over revegetation/restoration resulting in no increased 100-year water elevations on off-site areas, i.e., no-rise on off-site properties along the Sweetwater River.

The Sweetwater Authority (Authority) owns and manages Sweetwater Reservoir and Loveland Reservoir. Sweetwater Reservoir is a terminal drinking water reservoir located less than five miles downstream of the proposed project location. Loveland Reservoir is located near Alpine and approximately 10 miles upstream of the Project. Runoff from the upper Sweetwater River watershed is captured at Loveland Reservoir primarily during winter and spring months. Runoff stored at Loveland Reservoir can be transferred to Sweetwater Reservoir via the Sweetwater River channel to augment water production for the Authority's service area. The Loveland Reservoir bunker valve can release up to 358 cubic feet per second (cfs). Water transfers generally take place during the winter months of December, January, and/or February, which minimizes water loss due to evaporation or infiltration and aims to avoid negative impacts to the arroyo toad, a federally endangered species and state Species of Special Concern. However, water transfers could occur in the late winter or early spring (i.e., March and/or April) subject to environmental compliance, arroyo toad avoidance, and wildlife agency concurrence. Both Loveland Reservoir and Sweetwater Reservoir are a vital part of the San Diego region's drinking water supply.

The Authority has senior water rights along the Sweetwater River. These water rights were acquired by the Authority through its predecessors and allow the Authority to transfer water from Loveland Reservoir to Sweetwater Reservoir along the Sweetwater River channel. Under pre-project conditions, the transferred water flows in a naturally-lined (earth, grass, and weeds) trapezoidal channel constructed within the golf course. The channel transitions to a broader riparian channel near the downstream portion of the site. The Sweetwater River floodplain will be altered within the project boundaries through implementation of mining activities; however, the bed and lower portion of the banks of the existing trapezoidal channel will be undisturbed in order to allow water transfer to continue along its current path without impacts. The maximum 358 cfs transfer flow rate along with concurrent historic precipitation will be accommodated by the project within the trapezoidal channel. This will prevent capture of the water transfer in the extraction areas. Hence, the project design will preserve the Authority's ability to transfer water from Loveland Reservoir to Sweetwater Reservoir.

A conveyor system will be utilized during project operations to transport mined material. Portions of the conveyor system will be within the 100-year floodplain. These portions will either be anchored, as needed, to prevent displacement by flowing water or removed at least 24 hours prior to forecast of significant rain (over 0.5 inches). The conveyors shall also be anchored, as needed, during scheduled water transfers. The conveyors are primarily aligned in the direction

of flow and have a profile that causes minimal flow blockage, so will have minimal impact on water surface elevations and will not alter, divert, or impeded water transfers or natural flows.

Two adjacent SDG&E transmission towers exist on-site just upstream of Steele Canyon Road. The towers and ground supporting the towers will remain and not be disturbed by mining activities. A ramp will be provided from the extraction area to the towers for access. The ramp and slopes surrounding the towers shall be lined, as needed, for access and to prevent erosion. The project is designed so that retention of the towers meets the no-rise criteria.

This CEQA-level report contains pre- (existing condition) and post-project (proposed condition) hydraulic analyses demonstrating that no-rise in the 100-year water surface elevations will occur off-site. The extraction will occur in phases (see Figure 2. Project Phasing at the end of this report). Since the project primarily involves extraction in the floodplain, the individual phases (Phase 1 to 3) will meet the off-site no-rise criteria. The final reclamation (Phase 4) will also meet the criteria. Since the project is for mining and restoration, minimal impervious surfaces will be added. The largest proposed impervious area is associated with the proposed Willow Glen Drive improvements. Stormwater runoff from Willow Glen Drive would be directed along the southerly curb of Willow Glen Drive and conveyed into tree wells just south of the roadway. The on-site project footprint will not increase the off-site flow rates since there are minimal impervious areas proposed on-site. In fact, the extraction areas will provide detention and retention benefits during mining that will reduce off-site surface flow rates.

Hydrologic and hydraulic analyses are provided to assess the Authority's water transfer based on their Loveland Reservoir releases through the bungler valve in combination with precipitation events. The analyses are used to size the existing on-site trapezoidal channel so that it can continue to convey the maximum water transfer flow rate anticipated based on data from the last 12 years.

Rational method hydrologic analyses are not applicable to the project since the majority of the site is within the Sweetwater River 100-year floodplain (see the HEC-RAS Work Map in the map pocket). According to the U.S. Geological Survey's (USGS) Streamstats software contained after this report text, the Sweetwater River watershed tributary to the site covers over 155 square miles. The project runoff and floodplain are associated with the river flow generated by the watershed. The river flow cannot be determined using the rational method. The river flow is based on FEMA data. The river flow exits the westerly (downstream) end of the site and is considered to be the same under existing and proposed conditions (see Table 1).

Condition	Watershed Area, sq. mi.	100-Year Flow, cfs
Existing	155.6	29,500
Proposed	155.6	29,500

Note: Tc, I, and C are not applicable for river flow.

Table 1. Hydrology Summary

HYDRAULIC ANALYSES

The pre-project hydraulic conditions are established by a Letter of Map Revision (LOMR) for the Cottonwood Golf Course by Rick Engineering Company (Rick). The LOMR has been approved by the County of San Diego and FEMA (LOMR Case No. 20-09-2025P dated December 1, 2020, effective April 14, 2021). Rick's latest LOMR files are included on the CD. The LOMR includes an As-Built Conditions HEC-RAS model that reflects the pre-project 100-year floodplain and regulatory floodway. The As-Built model represents the effective conditions along the site. The As-Built results are included in Appendix A and the plan has been added to the HEC-RAS model prepared for the project. It was noted that when the As-Built plan was executed in the latest version of HEC-RAS (v 6.1.0), some of the base flood elevations changed by a few hundredths. Review of the As-Built HEC-RAS model revealed that the effective flow area associated with Steele Canyon Road did not reflect an existing culvert under the southerly portion of the road crossing, so a corrected effective model was created that widens the effective flow area based on the culvert. The corrected effective model is included with Rick's HEC-RAS model on the CD as well as on the HEC-RAS model prepared for the project, and its summary output and cross-section plots are included in Appendix A.

The post-project HEC-RAS cross-sections, base topography, and proposed grading are shown on the Proposed Condition HEC-RAS Work Map in the map pocket. The mapping is on NGVD 29. The cross-sections are at the same locations as the LOMR analysis. The cross-sections were created from various sources. Downstream cross-section 5 and upstream cross-sections 394.1 to 398 were reproduced from the LOMR As-built geometry. Cross-sections 120 and 130 bounding the Steele Canyon Road crossing were also reproduced from the As-built geometry. The remaining cross-sections are along the proposed mining and reclamation footprint, so were created based on the phased mining and reclamation grading as well as the project's topographic mapping for the surrounding area.

The remaining post-project HEC-RAS input parameters are as follows. The FEMA 100-year flow rate of 29,500 cfs was used throughout the study reach. The roughness coefficients in the areas outside the project footprint are based on the roughness coefficients in the As-built model. These range from 0.025 to 0.080. The roughness coefficient within the excavation area was assigned a value of 0.11 to reflect dense, mature vegetation resulting from restoration. The *San Diego County Hydraulic Design Manual* Section 5.6.2 states the roughness can be justified using information such as existing adjacent vegetative conditions. As a result, the vegetated restoration roughness has been modeled similar to the existing vegetated areas upstream and downstream of the site. The ineffective flow areas are based on the LOMR ineffective flow areas except as noted near Steele Canyon Road. Material stockpiles will be present during the mining phases. Blocked obstructions were used to represent the stockpile locations during mining. The obstructions are removed for the post-mining phase.

The existing/effective (As-built), corrected effective, and phased proposed condition 100-year HEC-RAS results are included in Appendix A and on the CD. Separate proposed condition results have been determined for mining during Phase 1 to 3 as well as the final reclaimed Phase 4 landform. The 100-year water surface elevations are summarized in Table 2. Table 2 shows that the project is generally lowering water surface elevations compared to the effective results

(the effective results were run on the latest version of HEC-RAS, v 6.1.0) due to the excavation. There is a small rise in the 100-year water surface elevation at cross-sections 20 and 60, but the rise occurs on-site. There is also a small rise at cross-section 140, but this can be adjusted by revising the roughness. Table 3 contains a comparison of the Phase 1 through 4 water surface elevations with the corrected effective results. This table shows that the small rise only occurs at cross-sections 20 and 60, so are contained on-site.

Velocities over 6 feet per second are typically considered to be erosive. The proposed velocities within the site at the completion of mining are less than 6 feet per second (fps) except at cross-sections 120 and 130. Grouted light class riprap will be installed here to prevent erosion associated with upstream headcutting. Similar grouted riprap will be placed at the upstream end of the quarry to prevent upstream headcutting. The operator shall routinely inspect the areas during ongoing mining and provide erosion protection measures and maintenance, as needed, and documented in the Industrial SWPPP.

Ultimately, a Conditional Letter of Map Revision and Letter of Map Revision will be performed to define the proposed condition floodplain and regulatory floodway.

SWEETWATER AUTHORITY WATER TRANSFER ANALYSES

The Sweetwater Authority occasionally transfers water from Loveland Reservoir to the Sweetwater Reservoir to augment the local water supply available to consumers. The water transfers primarily occur during the winter to spring months and are controlled by operating the bunker valve at Loveland Reservoir. Since the releases typically occur during the rainy season (i.e., during atmospheric river flows), the flow rate during transfers can include a rainfall contribution. Transfers are primarily performed during the rainy season since infiltration and evaporative losses are reduced due to greater soil saturation and the cooler climate. The maximum release rate from the bunker valve is 358 cfs. The transfer rate downstream of the reservoir can exceed this due to the additional rainfall contribution.

The project intends to maintain the current water transfer conveyance provided within the site. This will be accomplished by preserving the portion of the on-site trapezoidal channel that is needed to convey the maximum water transfer flow rate. Hydrologic analyses were performed to determine the maximum flow rate. The analyses were based on historic transfer data from release dates given by the Authority. Hydraulic analyses were performed to assess the size of channel needed to convey the maximum transfer rate.

The Authority provided release data since 2010 to assist in assessing the maximum transfer rate within the project. The data is summarized in Table 4 and shows that six transfers occurred over the past 12 years. The end date is when water was last captured at Sweetwater Reservoir, not when the valve was closed. The transfers ranged over a period of 18 to 29 days. Loveland Reservoir also experienced overtopping spills in 2011 to 2012. The overtopping flows were not assessed since they were not planned water transfers.

Year	Begin Transfer	End Transfer
2010	1/28/2010	2/18/2010
2012	1/24/2012	2/11/2012
2013	1/18/2013	2/05/2013
2017	2/28/2017	3/19/2017
2019	2/15/2019	3/10/2019
2021	1/11/2021	2/09/2021

Table 4. Water Transfer Periods

The Sweetwater River flow rate was determined for each transfer period. The USGS operates a stream gage (Station No. USGS 11016200, Sweetwater R A Dehesa CA) where the river crosses Sloane Canyon Road (see Figure 3. USGS Sweetwater River Rain Gage), which is approximately midway between the site and Loveland Reservoir. The measured flow rates are provided at 15 minute intervals and were obtained for each period in Table 4 (see Appendix B). The maximum flow rate over each period is summarized in Table 5 along with the date. The greatest flow rate occurred in 2017 and was 591 cfs. This was measured at 3:30 AM on the initial release date in 2017. Therefore, this is likely associated with antecedent rainfall rather than the release. The flow rate lowered over 200 cfs to 388 cfs on the subsequent day, March 1st.

Year	Date	Maximum Flow Rate, cfs
2010	January 31	353
2012	February 6	400
2013	January 25	344
2017	February 28	591
2019	February 21	421
2021	January 21	338

Table 5. USGS Sweetwater River Stream Gage Measurements

Since water transfers can occur during the rainy season, precipitation records were obtained for each period. In order to account for rainfall immediately prior to a transfer period the records were obtained beginning a week before the initial transfer date. Some of the flow rates measured in Table 5 are higher than the valve release rate of 358 cfs, which indicates that the transfer rate includes rainfall contribution in some instances. The County of San Diego operates the Roads Division 1 rain gage at their Roads Department at 11970 Singer Lane in Spring Valley (see Figure 4. County of San Diego Roads Division 1 Rain Gage). This location is approximately 1 mile west of the site, so is representative of rainfall at the site. The precipitation data from 2010 is provided as daily totals, while the precipitation data from 2012 to 2021 is graphed as accumulated rainfall (see Appendix B). For the accumulated rainfall, a horizontal curve indicates zero to minor rainfall, while a steeper curve indicates greater rainfall. Table 6 summarizes the rainfall events for each year. The rainfall date is listed followed by the associated rainfall in parentheses. Minor events with minimal rainfall are not included.

Year	Date (Rainfall, inches)
2010	1/21-1/22 (1.72"), 2/6 (0.64"), 2/9 (0.52")
2012	1/21 (0.10"), 1/23 (0.27"), 2/7 (0.10")
2013	1/25-1/26 (1.35")
2017	2/27 (2.04")
2019	2/13-2/14 (1.67"), 2/17-2/18 (0.35"), 2/20-2/21 (0.46"), 3/02 (0.15"), 3/06 (0.09")
2021	1/23 (0.31"), 1/25 (0.26"), 1/26 (0.19"), 1/29 (0.69", 0.07", 0.13")

Table 6. Rainfall from Roads Division 1 Gage Measurements

The following assesses the rainfall contribution during each water transfer year. In 2010, heavy rainfall occurred a week before the initial transfer date. This did not impact the water transfer rate, since the flow rate on the initial transfer date starts at 0 cfs and has a maximum of 66 cfs. On February 6th and 9th moderate rainfall occurred. The flow rate decreased the day after both of these dates, but did increase from February 8th to 9th. Therefore, the February 6th event did not appear to have much impact on flow rate, but the February 9th event did cause an increase. In both cases the flow rate was less than the maximum bungler valve release rate of 358 cfs.

In 2012, the rainfall was relatively minor. Two rain events occurred one to three days before the initial transfer date. The associated flow rate on the initial transfer date was small at 11 cfs. The rainfall during the water transfer period merely measured 0.10 inches, so the rainfall had minor contribution to the water transfer.

In 2013, a heavy rainfall occurred a week into the water transfer from January 25th to 26th. The water transfer rate was relatively high on January 25th at 344 cfs, but lowered below 200 cfs on the 26th and 27th. It's possible that the bungler valve release was reduced due to rainfall causing the lowering. The water transfer in 2013 did not exceed the maximum bungler valve release rate of 358 cfs despite the rainfall.

In 2017, heavy rainfall occurred a day before the initial release date. The flow rate on the release date was 591 cfs, which is the greatest water transfer rate over the period of record. This is primarily due to the preceding rainfall that exceeded 2 inches.

In 2019, heavy rainfall occurred in the two days prior to the initial release date. As a result, the water transfer rate on the release date started at 128 cfs, but reached 358 cfs, which coincidentally corresponds to the maximum bungler valve release rate. Mild to moderate rainfall occurred at various times during the release period. The water transfer rate generally remained above 300 cfs and reached as high as 421 cfs. The 421 cfs occurred during a period with 0.46 inches of rain.

In 2021, mild to moderately heavy rainfall occurred during the water transfer period. During the milder events from January 23rd to 26th, the water transfer was around 300 cfs. During the heavier rainfall on January 29th, the transfer lowered towards 100 cfs. This may be due to reduction of the bungler valve release.

The rainfall and stream gage records show that the maximum water transfer associated with rainfall during the water transfer periods primarily remained at or below 400 cfs. In 2021, rainfall caused the water transfer to reach 421 cfs on one day. In 2017, the water transfer on the initial release date reached 591 cfs due to heavy rainfall exceeding 2 inches on the preceding day. As mentioned above, the flow rates are measured at Sloane Canyon Road, which is several miles upstream of the project. There will be additional flow added below Sloane Canyon Road during rainfall events, but the data shows that this will generally be minor. This will be offset a small amount by infiltration and evaporative losses (minor during storm events) and a larger amount by storage losses. The large pond immediately downstream of Sloane Canyon Road as well as the natural drainage channel and overbank areas provide significant storage. Based on this, the on-site channel has been designed to convey the maximum historic water transfer measured at 591 cfs. This occurred once over the 128 days of total historic water transfer or 0.8 percent of the time.

Normal depth analyses were used to size the on-site trapezoidal channel. The existing channel will remain. The mining activities will lower the channel banks, but the banks will remain at 3.7 feet high in order to convey the water transfer. For mined areas behind the banks, the ground will be sloped at no steeper than 4:1 (horizontal:vertical) to meet the ground surface. Separate normal depth analyses were performed for the upper and lower portions using FlowMaster. The upper portion of the channel is narrower and steeper than the lower portion. The average channel dimensions, side slopes, and longitudinal slopes were determined from 2-foot contour interval topographic mapping. The channel bed will remain undisturbed. The upper channel will maintain the current bed width of approximately 25 feet and the lower channel will maintain the current bed width of approximately 50 feet. The existing side slopes will be generally unchanged. The FlowMaster results are included in Appendix B. They show that the capacity of the upper and lower channels is 618 and 756 cfs, respectively. Therefore, the maximum historic water transfer of 591 cfs will be conveyed in the on-site channel with a factor of safety. The results also show flow velocities of 5.2 and 3.6 fps, which indicate low erosion potential.

Based on these analyses, the trapezoidal channel that will remain during and after mining will convey water transfer flow rates similar to pre-project conditions. This will avoid water transfer flow and capture beyond the channel limits. The channel has been conservatively sized to convey the maximum water transfer flow rate. The typical water transfer flow rates are much lower than the maximum.

CONCLUSION AND CERTIFICATION

CEQA-level hydraulic analyses have been performed for the proposed Cottonwood Sand Mining Project along the Sweetwater River in the county of San Diego, California. This report includes existing and proposed condition 100-year HEC-RAS hydraulic analyses. The existing condition analyses are from a corrected Rick Engineering Company As-built model included in the Cottonwood Golf Course LOMR approved by FEMA. The proposed condition analyses show that the 100-year flow velocities within the project are generally low and considered non-erosive. Grouted riprap will be installed on some of the pit slopes to protect against upstream headcutting.

The riprap will not prevent nor impede water transfer along the low flow channel. An Industrial SWPPP will address BMPs required for operations.

Since the project proposes mining and restoration in the floodplain, the floodplain is being altered somewhat. In most areas, the 100-year water surface elevations are lowered due to the instream excavation. The river course and on-site drainage patterns are generally being maintained as evidenced by comparison of the effective and proposed condition floodplains on the HEC-RAS Work Map. The flow velocities are generally being reduced since the mining increases conveyance, so the project will not cause substantial erosion. The mining pits will have the ability to capture sediment and reduce downstream sedimentation. The project is creating minimal impervious surfaces, so the river's 100-year flow rate is not altered.

The following summarizes the CEQA-level requirements:

- The project will not substantially alter the existing drainage pattern of the site or area. In addition, there are no significant impervious areas such that an increase in the rate or amount of surface runoff will occur. The site and area runoff will continue to be conveyed to the Sweetwater River that flows through the site – flows would not be impeded or redirected. The Sweetwater River will continue to flow in the same direction through the site. Riprap will be installed at the upstream end of the mining pit to prevent headcutting erosion. The mining pit will reduce downstream siltation since it spreads the river flow and reduces flow velocities.
- The project proposes minor impervious surfaces, so will essentially maintain existing storm runoff flow rates. The project meets no-rise criteria, so will not cause on- or off-site flood inundation impacts.
- The project is primarily within the Sweetwater River floodplain. There are no existing or planned storm water drainage systems in the floodplain that will be impacted by the project since the flow rate is not being altered and the no-rise criteria is met.
- The project does not propose housing.

This is to certify that I am a duly qualified registered professional engineer licensed to practice in the State of California.

Name of Report: *CEQA-Level Drainage Study for the Cottonwood Sand Mining Project*

Date of Report: July 24, 2024

Will sign and stamp upon approval

Date: July 24, 2024

Name: Wayne W. Chang

Mining Phase	Phase Area (acres)	Sub-phase Area (acres)	Mining Duration (years)	Mining Initiation Date (est.)	Mining Completion Date (est.)	Reclamation Completion Date (est.)
1	78.98		3	2025	2028	2030
Sub-phase 1a		22.10	1			
Sub-phase 1b		26.46	1			
Sub-phase 1c		30.42	1			
2	48.18		3	2028	2031	2033
Sub-phase 2a		15.26	1			
Sub-phase 2b		19.08	1			
Sub-phase 2c		13.74	1			
3	78.57		4	2031	2035	2037
Sub-phase 3a		29.42	1			
Sub-phase 3b		16.15	1			
Sub-phase 3c		14.13	1			
Sub-phase 3d		18.87	1			
Phase 4	8.65		1	2035	2035	2037
Total	214.4		10	-	-	

Figure 2. Project Phasing

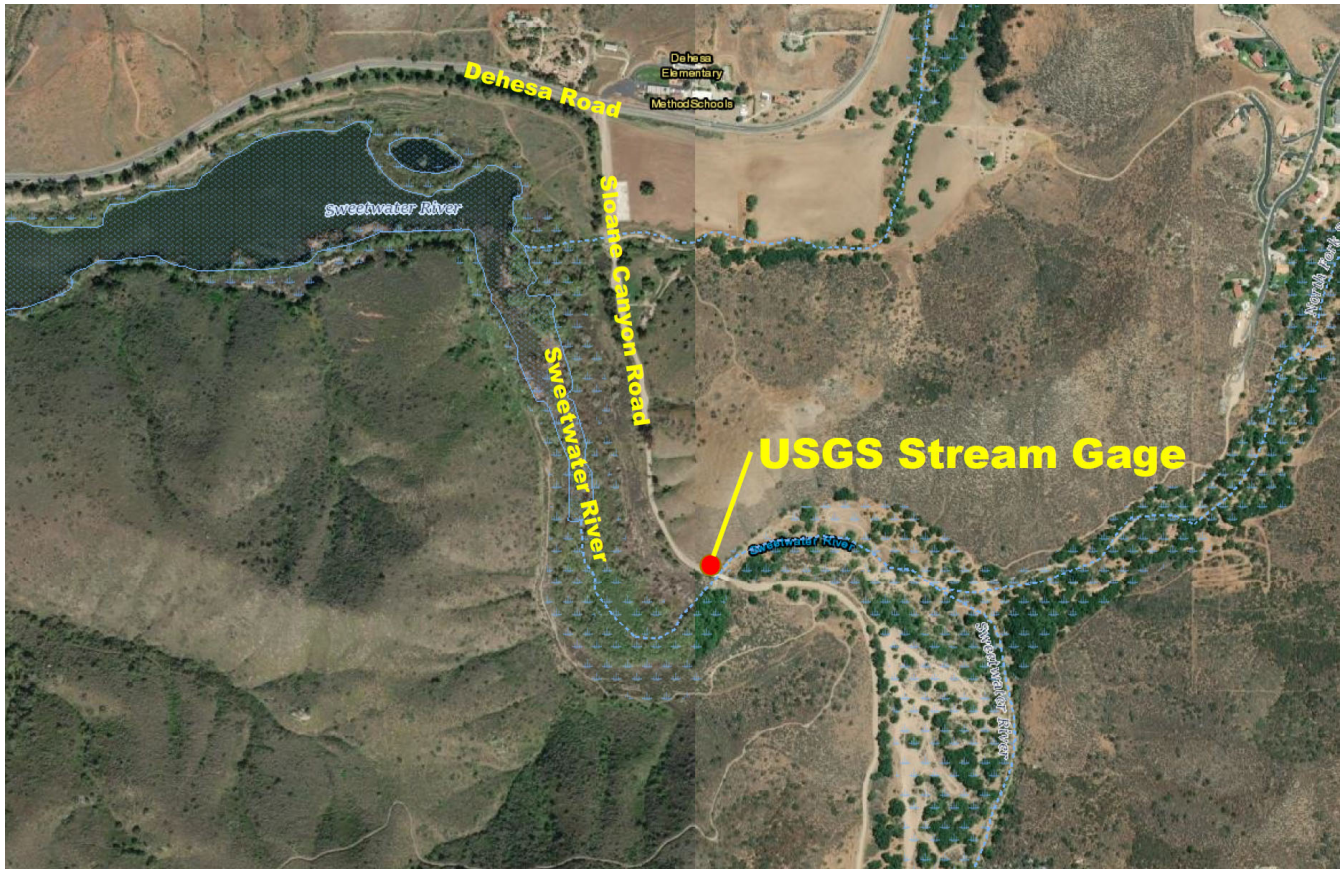


Figure 3. USGS Sweetwater River Rain Gage

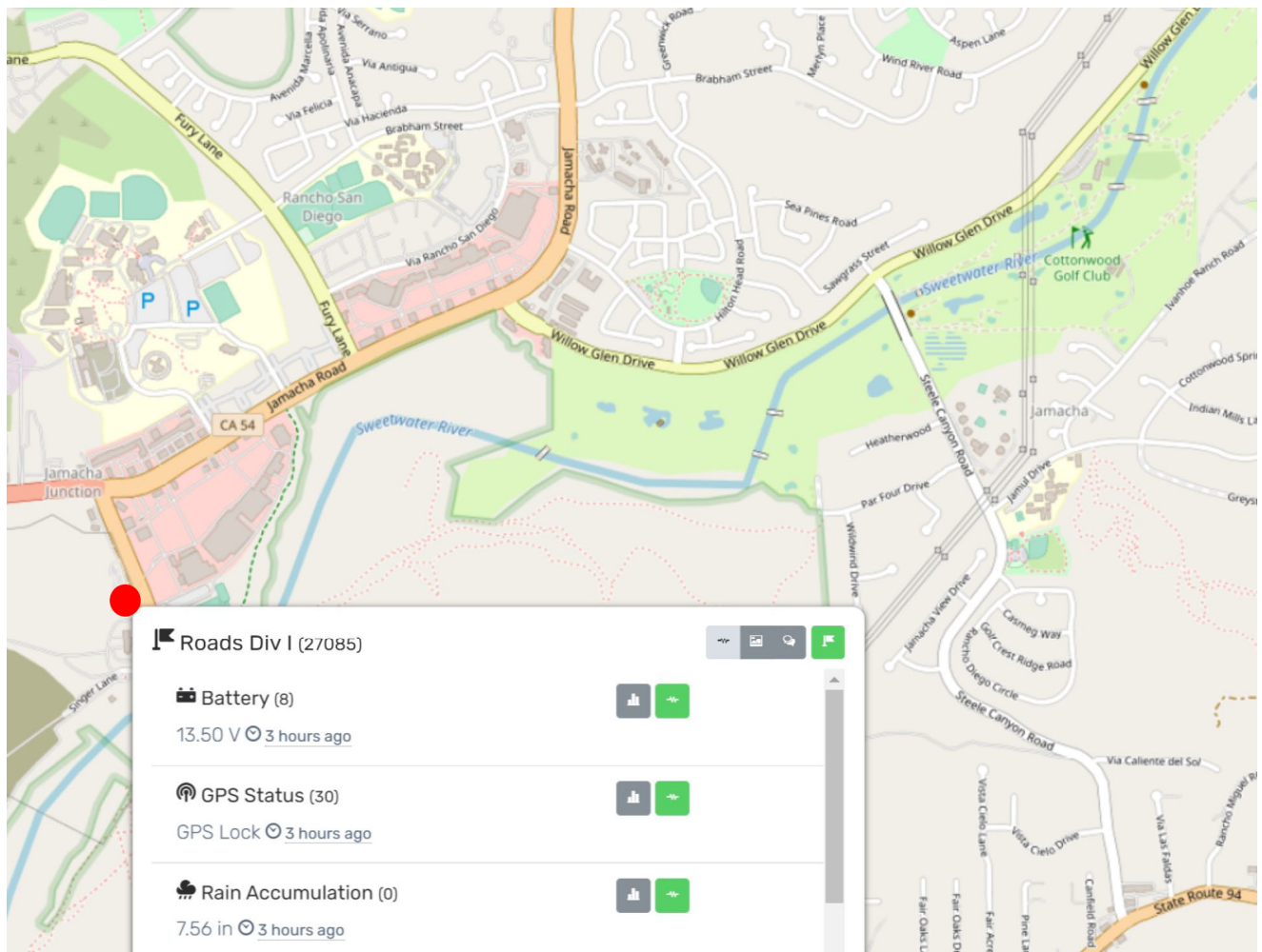


Figure 4. County of San Diego Roads Division 1 Rain Gage

Station	Effective ¹ , ft	Prop. Cond. Phase 1, ft	Phase 1 – Corr. Eff., ft	Prop. Cond. Phase 2, ft	Phase 2 – Corr. Eff., ft	Prop. Cond. Phase 3, ft	Phase 3 – Corr. Eff., ft	Prop. Cond. Phase 4, ft	Phase 4 – Corr. Eff., ft
398	383.17	383.17	0.00	383.17	0.00	383.17	0.00	383.17	0.00
396	378.38	378.38	0.00	378.38	0.00	377.94	-0.44	377.93	-0.45
394.1	377.81	377.81	0.00	377.81	0.00	376.97	-0.84	376.94	-0.87
320	376.30	376.30	0.00	376.30	0.00	375.09	-1.21	375.12	-1.18
310	376.28	376.28	0.00	376.28	0.00	374.86	-1.42	374.88	-1.40
300	375.73	375.73	0.00	375.73	0.00	374.07	-1.66	374.07	-1.66
290	375.52	375.52	0.00	375.52	0.00	373.18	-2.34	373.18	-2.34
280	372.00	372.00	0.00	372.00	0.00	362.75	-9.25	363.63	-8.37
270	370.66	370.66	0.00	370.66	0.00	361.11	-9.55	362.54	-8.12
260	367.90	367.90	0.00	367.90	0.00	359.20	-8.70	361.46	-6.44
250	365.55	365.55	0.00	365.45	-0.10	357.17	-8.38	360.26	-5.29
240	365.31	365.31	0.00	365.17	-0.14	357.14	-8.17	360.24	-5.07
230	364.67	364.67	0.00	364.37	-0.30	356.19	-8.48	359.39	-5.28
220	363.65	363.65	0.00	363.65	0.00	356.15	-7.50	359.35	-4.30
210	362.54	362.54	0.00	356.97	-5.57	354.94	-7.60	357.79	-4.75
200	361.42	361.42	0.00	356.90	-4.52	354.90	-6.52	357.72	-3.70
190	359.56	359.56	0.00	355.37	-4.19	353.92	-5.64	355.74	-3.82
180	356.18	356.18	0.00	354.12	-2.06	353.11	-3.07	354.46	-1.72
170	354.53	354.53	0.00	351.69	-2.84	351.66	-2.87	352.37	-2.16
160	353.77	353.77	0.00	351.56	-2.21	351.58	-2.19	352.24	-1.53
150	351.69	351.69	0.00	349.73	-1.96	349.73	-1.96	349.71	-1.98
140	349.31	349.51	0.20	349.44	0.13	349.44	0.13	349.44	0.13
130	348.47	348.46	-0.01	348.46	-0.01	348.46	-0.01	348.47	0.00
120	346.46	346.46	0.00	346.46	0.00	346.46	0.00	346.46	0.00
110	343.57	342.69	-0.88	342.69	-0.88	342.69	-0.88	342.62	-0.95
100	343.29	341.94	-1.35	341.94	-1.35	341.94	-1.35	341.9	-1.39
90	342.31	340.53	-1.78	340.53	-1.78	340.53	-1.78	340.53	-1.78
80	341.24	340.45	-0.79	340.45	-0.79	340.45	-0.79	340.45	-0.79
70	339.40	339.28	-0.12	339.28	-0.12	339.28	-0.12	339.28	-0.12
60	339.14	339.21	0.07	339.21	0.07	339.21	0.07	339.21	0.07
50	337.58	337.28	-0.30	337.28	-0.30	337.28	-0.30	337.28	-0.30
40	336.13	335.63	-0.50	335.63	-0.50	335.63	-0.50	335.63	-0.50
30	335.13	334.80	-0.33	334.80	-0.33	334.80	-0.33	334.8	-0.33
20	333.90	333.91	0.01	333.91	0.01	333.91	0.01	333.91	0.01
10	333.85	333.75	-0.10	333.75	-0.10	333.75	-0.10	333.75	-0.10
5	330.28	330.28	0.00	330.28	0.00	330.28	0.00	330.28	0.00

¹The effective analysis was run on HEC-RAS v 6.1.0

**Table 2. Comparison of 100-Year Water Surface Elevations for Proposed vs. Effective Conditions
(a negative number indicates that the project is lowering the 100-year water surface elevation)**

Station	Corrected Effective, ft	Prop. Cond. Phase 1, ft	Phase 1 – Corr. Eff., ft	Prop. Cond. Phase 2, ft	Phase 2 – Corr. Eff., ft	Prop. Cond. Phase 3, ft	Phase 3 – Corr. Eff., ft	Prop. Cond. Phase 4, ft	Phase 4 – Corr. Eff., ft
398	383.17	383.17	0.00	383.17	0.00	383.17	0.00	383.17	0.00
396	378.38	378.38	0.00	378.38	0.00	377.94	-0.44	377.93	-0.45
394.1	377.81	377.81	0.00	377.81	0.00	376.97	-0.84	376.94	-0.87
320	376.30	376.30	0.00	376.30	0.00	375.09	-1.21	375.12	-1.18
310	376.28	376.28	0.00	376.28	0.00	374.86	-1.42	374.88	-1.40
300	375.73	375.73	0.00	375.73	0.00	374.07	-1.66	374.07	-1.66
290	375.52	375.52	0.00	375.52	0.00	373.18	-2.34	373.18	-2.34
280	372.00	372.00	0.00	372.00	0.00	362.75	-9.25	363.63	-8.37
270	370.66	370.66	0.00	370.66	0.00	361.11	-9.55	362.54	-8.12
260	367.90	367.90	0.00	367.90	0.00	359.20	-8.70	361.46	-6.44
250	365.55	365.55	0.00	365.45	-0.10	357.17	-8.38	360.26	-5.29
240	365.31	365.31	0.00	365.17	-0.14	357.14	-8.17	360.24	-5.07
230	364.67	364.67	0.00	364.37	-0.30	356.19	-8.48	359.39	-5.28
220	363.65	363.65	0.00	363.65	0.00	356.15	-7.50	359.35	-4.30
210	362.54	362.54	0.00	356.97	-5.57	354.94	-7.60	357.79	-4.75
200	361.42	361.42	0.00	356.90	-4.52	354.90	-6.52	357.72	-3.70
190	359.56	359.56	0.00	355.37	-4.19	353.92	-5.64	355.74	-3.82
180	356.18	356.18	0.00	354.12	-2.06	353.11	-3.07	354.46	-1.72
170	354.53	354.53	0.00	351.69	-2.84	351.66	-2.87	352.37	-2.16
160	353.77	353.77	0.00	351.56	-2.21	351.58	-2.19	352.24	-1.53
150	351.69	351.69	0.00	349.73	-1.96	349.73	-1.96	349.71	-1.98
140	349.55	349.51	-0.04	349.44	-0.11	349.44	-0.11	349.44	-0.11
130	348.47	348.46	-0.01	348.46	-0.01	348.46	-0.01	348.47	0.00
120	346.46	346.46	0.00	346.46	0.00	346.46	0.00	346.46	0.00
110	343.81	342.69	-1.12	342.69	-1.12	342.69	-1.12	342.62	-1.19
100	343.29	341.94	-1.35	341.94	-1.35	341.94	-1.35	341.9	-1.39
90	342.31	340.53	-1.78	340.53	-1.78	340.53	-1.78	340.53	-1.78
80	341.24	340.45	-0.79	340.45	-0.79	340.45	-0.79	340.45	-0.79
70	339.40	339.28	-0.12	339.28	-0.12	339.28	-0.12	339.28	-0.12
60	339.14	339.21	0.07	339.21	0.07	339.21	0.07	339.21	0.07
50	337.58	337.28	-0.30	337.28	-0.30	337.28	-0.30	337.28	-0.30
40	336.13	335.63	-0.50	335.63	-0.50	335.63	-0.50	335.63	-0.50
30	335.13	334.80	-0.33	334.80	-0.33	334.80	-0.33	334.8	-0.33
20	333.90	333.91	0.01	333.91	0.01	333.91	0.01	333.91	0.01
10	333.85	333.75	-0.10	333.75	-0.10	333.75	-0.10	333.75	-0.10
5	330.28	330.28	0.00	330.28	0.00	330.28	0.00	330.28	0.00

¹The corrected effective analysis was run on HEC-RAS v 6.1.0

**Table 3. Comparison of 100-Year Water Surface Elevations for Proposed vs. Corrected Effective Conditions
(a negative number indicates that the project is lowering the 100-year water surface elevation)**

StreamStats Report

Region ID: CA

Workspace ID: CA20201105164552757000

Clicked Point (Latitude, Longitude): 32.74180, -116.92806

Time: 2020-11-05 08:46:11 -0800



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLDEM30M	Mean basin slope computed from 30 m DEM	23.1	percent

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	155.6	square miles
ELEV	Mean Basin Elevation	2659	feet
ELEVMAX	Maximum basin elevation	6465	feet
LFPLENGTH	Length of longest flow path	44	miles
MINBELEV	Minimum basin elevation	330	feet
OUTLETELEV	Elevation of the stream outlet in feet above NAVD88	330	feet
PRECIP	Mean Annual Precipitation	22.3	inches
RELIEF	Maximum - minimum elevation	6135	feet

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Application Version: 4.4.0

APPENDIX A

**EFFECTIVE,
EXISTING CONDITION
(CORRECTED EFFECTIVE),
AND
PROPOSED CONDITION
HEC-RAS ANALYSES**

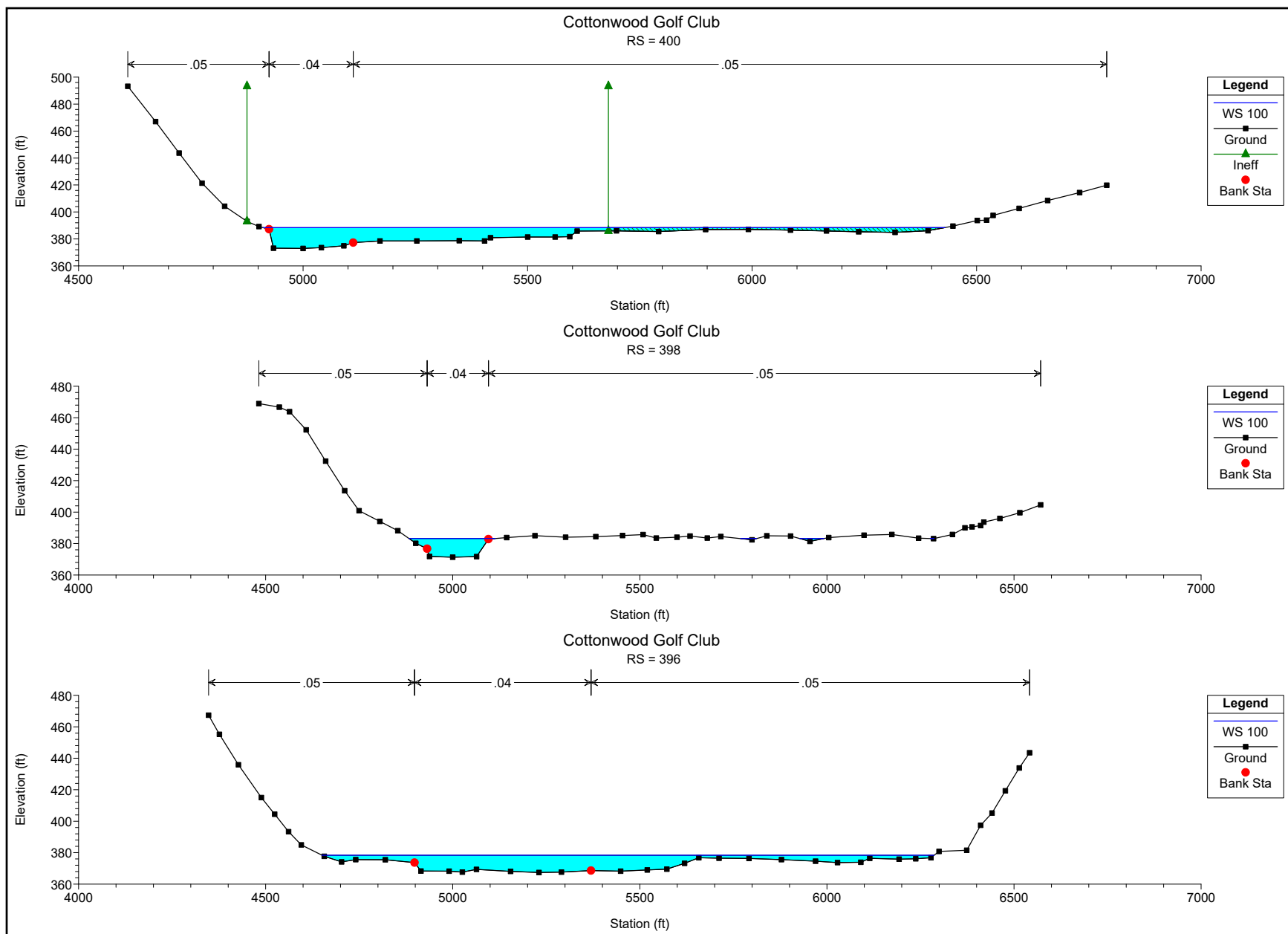
Rick Engineering As-Built Condition (Effective)

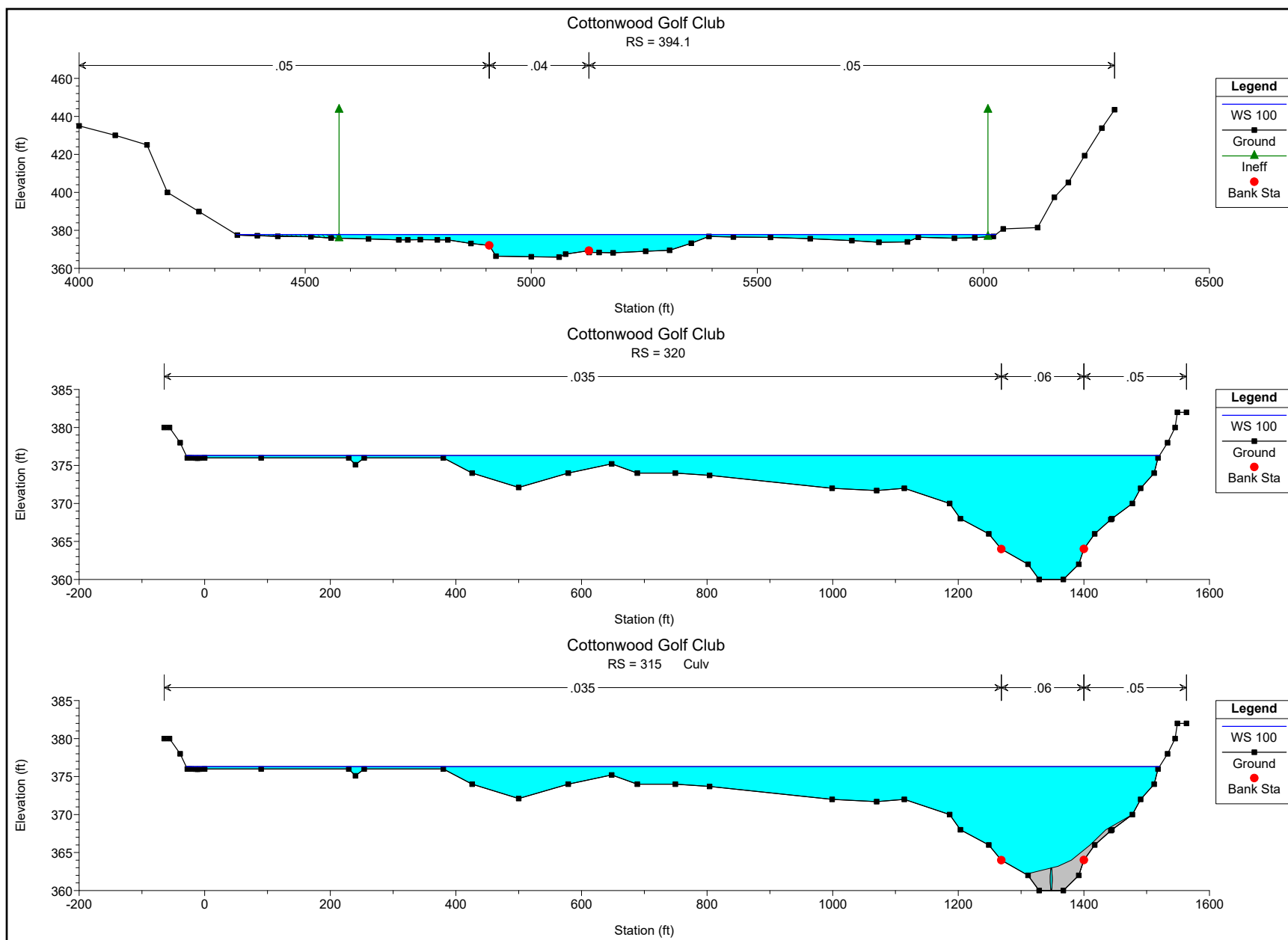
HEC-RAS Plan: Effective River: RIVER-1 Reach: Reach-1 Profile: 100

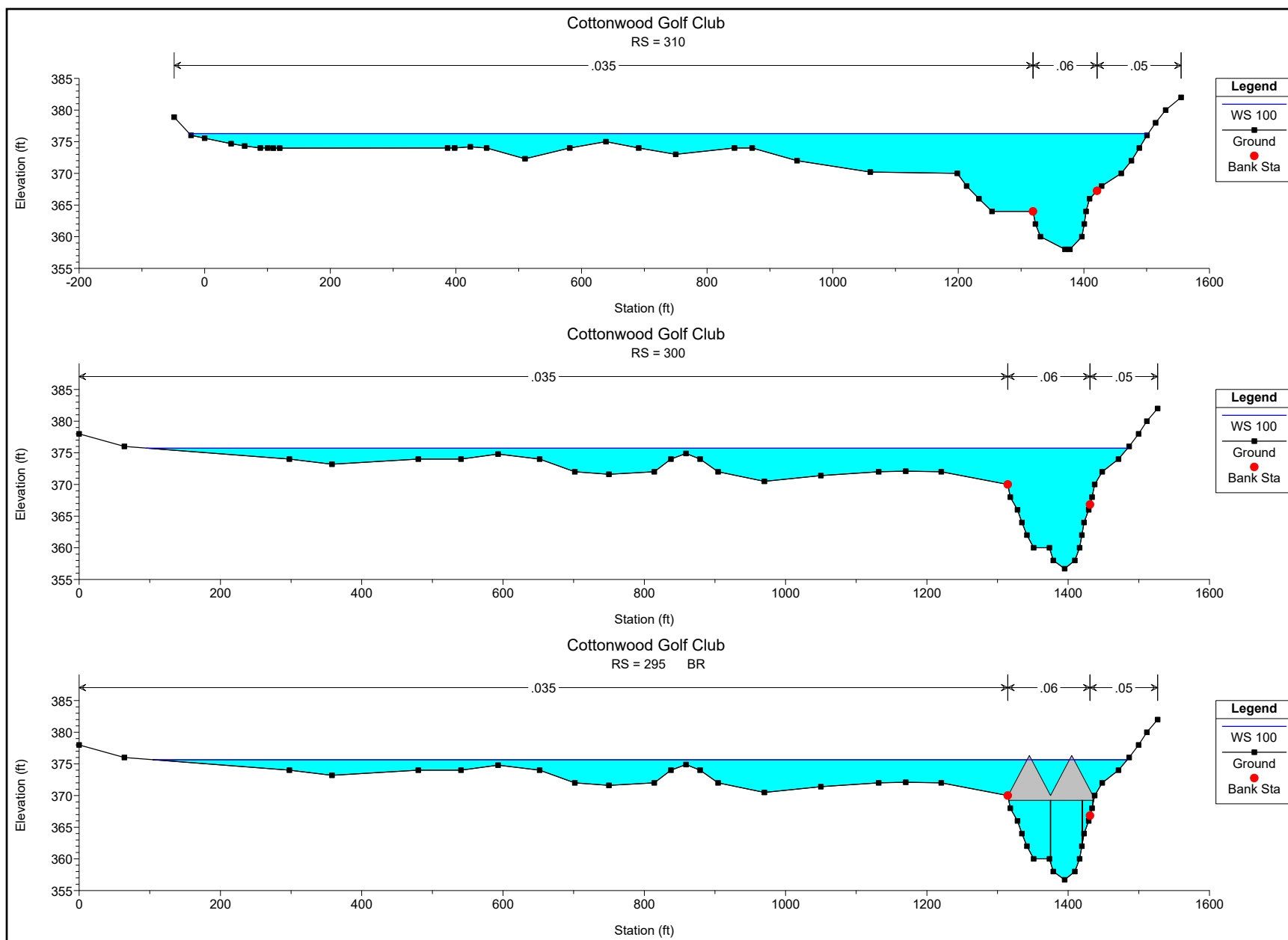
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	400	100	29500.00	373.00	388.40		388.73	0.000710	5.67	7217.89	1518.65	0.26
Reach-1	398	100	29500.00	371.30	383.17	383.17	387.25	0.008936	16.52	1955.33	346.72	0.90
Reach-1	396	100	29500.00	367.40	378.38		378.59	0.000584	4.20	9721.64	1635.84	0.23
Reach-1	394.1	100	29500.00	365.90	377.81		378.32	0.001542	7.14	6838.40	1679.65	0.38
Reach-1	320	100	29500.00	360.00	376.30	371.89	376.73	0.001952	6.59	6279.85	1549.75	0.30
Reach-1	315		Culvert									
Reach-1	310	100	29500.00	358.00	376.28		376.58	0.001332	5.57	7122.92	1526.89	0.25
Reach-1	300	100	29500.00	356.70	375.73	374.22	376.36	0.003004	7.94	5237.34	1389.14	0.37
Reach-1	295		Bridge									
Reach-1	290	100	29500.00	357.00	375.52		376.15	0.003116	8.26	5088.74	1311.24	0.37
Reach-1	280	100	29500.00	354.60	372.00	372.00	374.39	0.006896	15.00	2918.15	813.73	0.79
Reach-1	270	100	29500.00	351.30	370.66	370.66	372.55	0.002422	13.13	3851.40	1241.65	0.64
Reach-1	260	100	29500.00	349.90	367.90	367.90	369.70	0.002600	12.88	3797.93	1077.01	0.66
Reach-1	250	100	29500.00	347.70	365.55	364.94	366.98	0.001893	10.89	4095.02	981.89	0.56
Reach-1	245		Bridge									
Reach-1	240	100	29500.00	347.70	365.31	364.86	366.87	0.002054	11.27	3932.89	950.11	0.58
Reach-1	230	100	29500.00	346.00	364.67	363.81	366.22	0.001776	11.32	3984.29	1061.74	0.55
Reach-1	225		Bridge									
Reach-1	220	100	29500.00	346.00	363.65	363.65	365.86	0.002594	13.12	3294.18	896.67	0.66
Reach-1	210	100	29500.00	345.30	362.54	361.40	363.56	0.001345	9.77	5066.40	1143.45	0.48
Reach-1	205		Bridge									
Reach-1	200	100	29500.00	345.30	361.42	361.42	363.30	0.002438	12.49	3775.20	1032.94	0.64
Reach-1	190	100	29500.00	343.70	359.56	359.56	361.51	0.002915	12.91	3651.46	1022.27	0.69
Reach-1	180	100	29500.00	342.80	356.18	356.18	357.72	0.003876	12.86	3862.30	1116.68	0.77
Reach-1	170	100	29500.00	342.10	354.53	354.06	355.68	0.003014	11.51	4697.07	1191.20	0.68
Reach-1	165		Bridge									
Reach-1	160	100	29500.00	342.10	353.77	353.77	355.38	0.004551	13.38	3963.11	1107.15	0.83
Reach-1	150	100	29500.00	340.70	351.69	351.69	353.25	0.004000	12.70	4463.50	1266.04	0.78
Reach-1	140	100	29500.00	340.00	349.31		349.71	0.000298	2.82	6252.03	999.31	0.20
Reach-1	130	100	29500.00	337.30	348.47	345.10	349.33	0.001370	7.64	4041.50	1122.41	0.46
Reach-1	125		Mult Open									
Reach-1	120	100	29500.00	338.10	346.46	346.46	348.93	0.007769	12.80	2359.45	982.82	1.01
Reach-1	110	100	29500.00	334.20	343.57		344.47	0.001252	6.06	4083.34	1011.17	0.42
Reach-1	100	100	29500.00	332.00	343.29		343.81	0.001243	7.38	5524.65	969.52	0.44
Reach-1	90	100	29500.00	329.50	342.31	340.97	343.05	0.001776	8.93	5077.04	1105.35	0.53
Reach-1	85		Bridge									
Reach-1	80	100	29500.00	329.40	341.24	341.24	342.84	0.003678	12.74	3817.31	1103.62	0.75
Reach-1	70	100	29500.00	327.60	339.40	339.27	340.78	0.003511	12.12	4076.96	1150.47	0.73

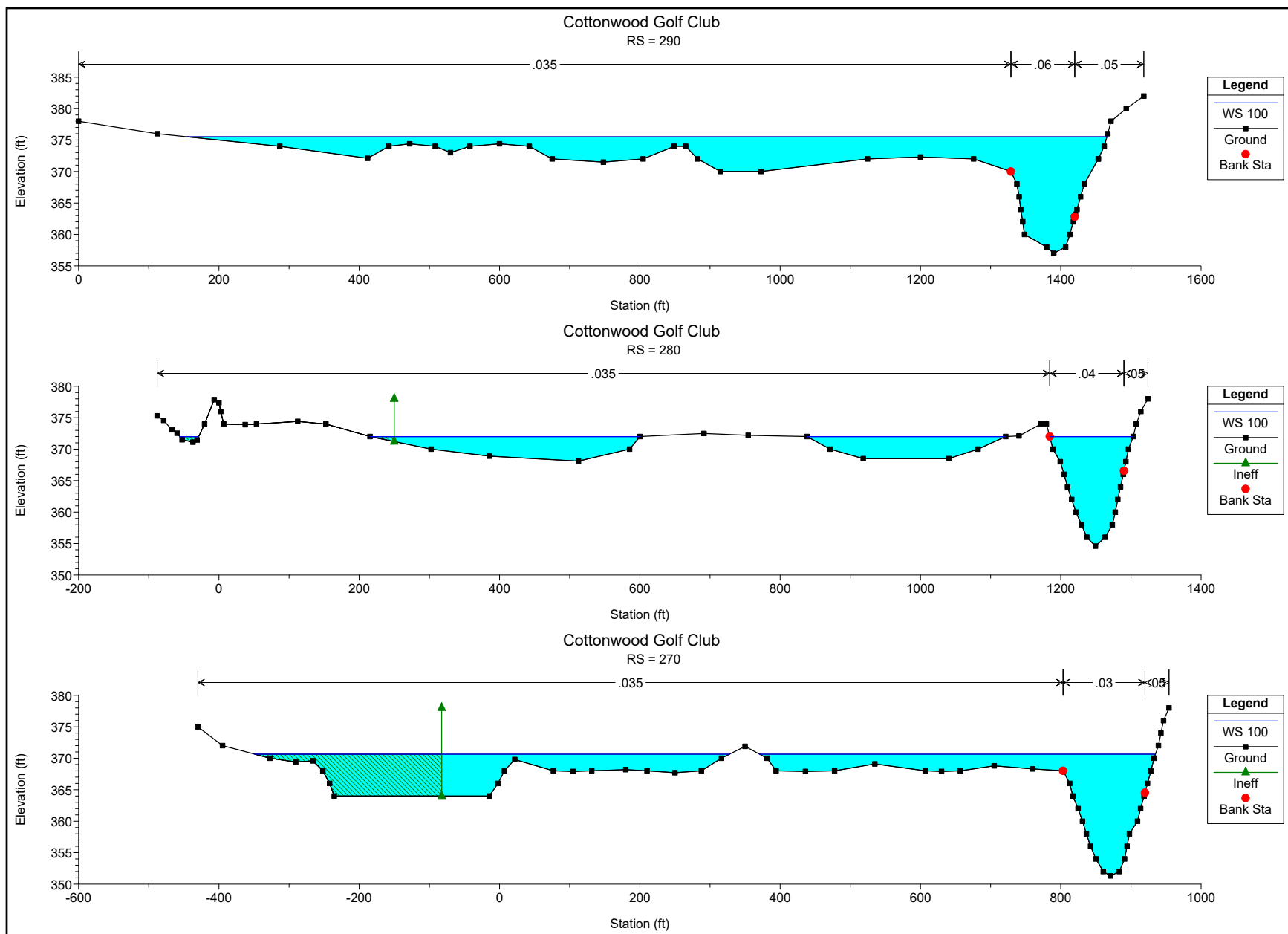
HEC-RAS Plan: Effective River: RIVER-1 Reach: Reach-1 Profile: 100 (Continued)

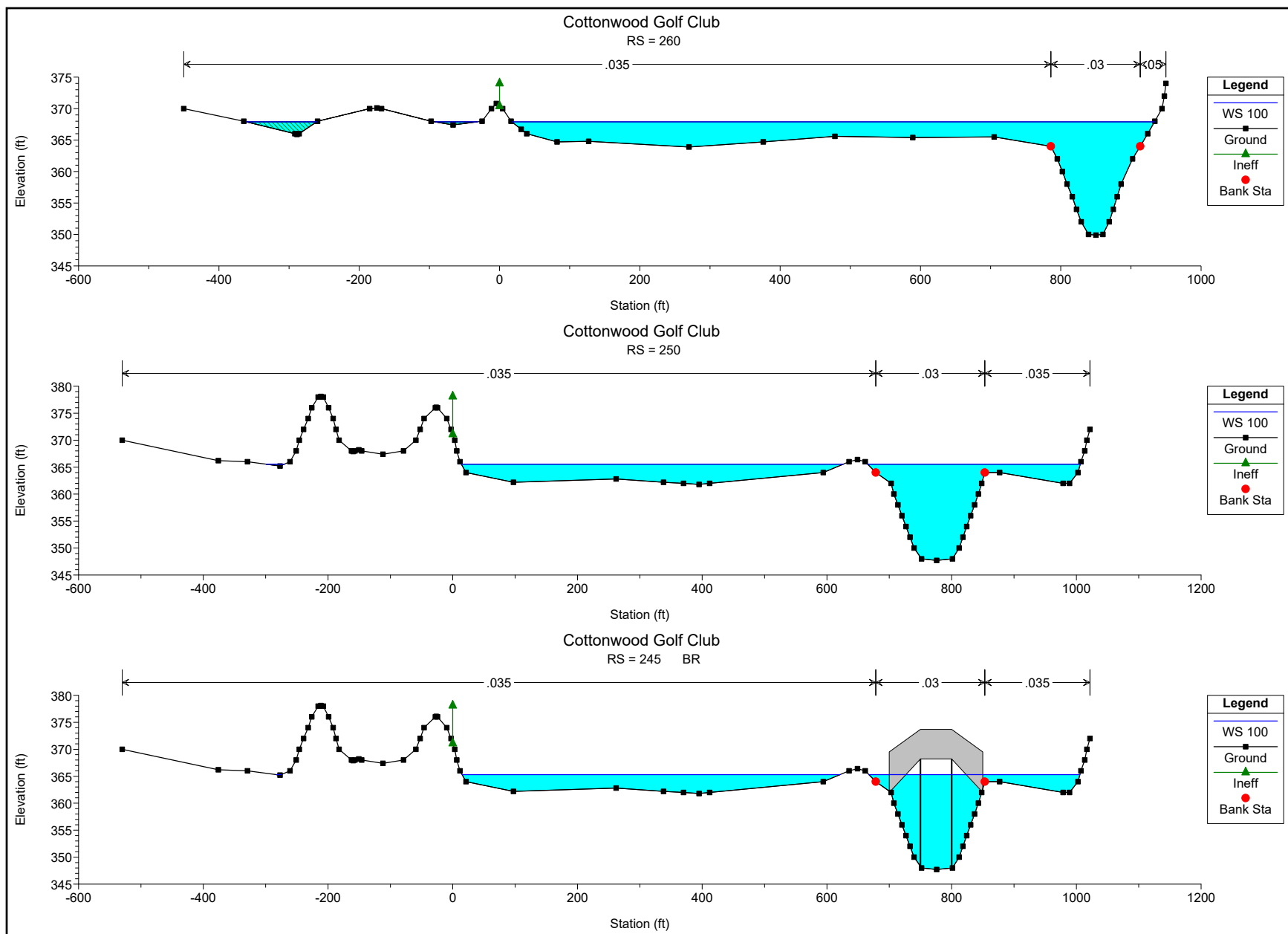
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	65		Bridge									
Reach-1	60	100	29500.00	327.10	339.14	339.14	340.64	0.003940	12.57	3873.52	1131.38	0.77
Reach-1	50	100	29500.00	325.40	337.58		337.98	0.002917	4.98	5819.82	1115.15	0.26
Reach-1	40	100	29500.00	324.50	336.13		336.59	0.002341	4.28	5713.12	1014.69	0.23
Reach-1	30	100	29500.00	323.60	335.13		335.48	0.001631	3.54	6621.18	1161.91	0.19
Reach-1	20	100	29500.00	323.00	333.90	331.66	334.44	0.002912	4.37	5163.59	1336.52	0.25
Reach-1	15		Bridge									
Reach-1	10	100	29500.00	322.00	333.85	331.57	334.35	0.002739	4.22	5402.62	1248.54	0.25
Reach-1	5	100	29500.00	321.10	330.28	328.76	330.93	0.004294	10.82	5598.21	1123.72	0.68

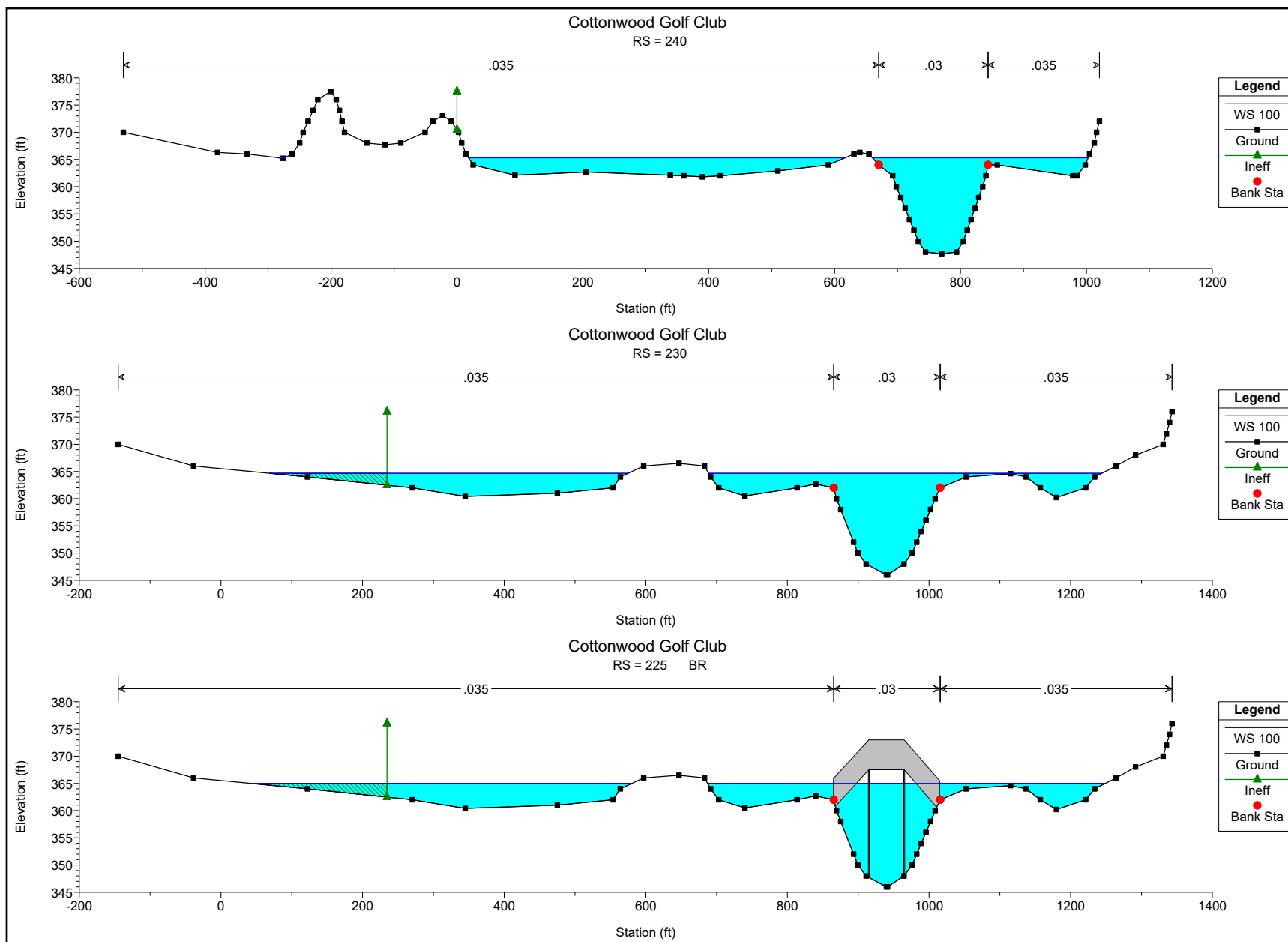


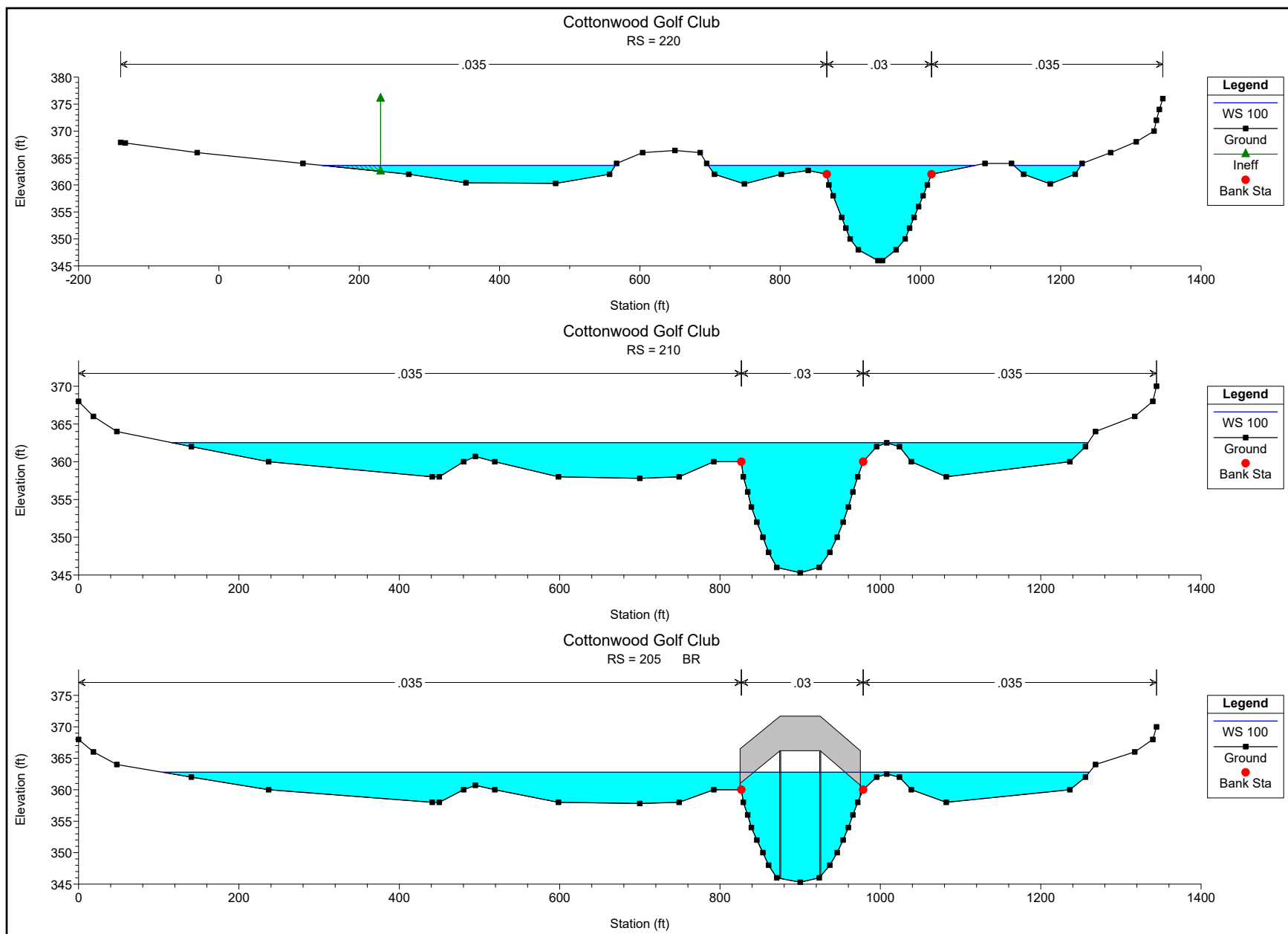


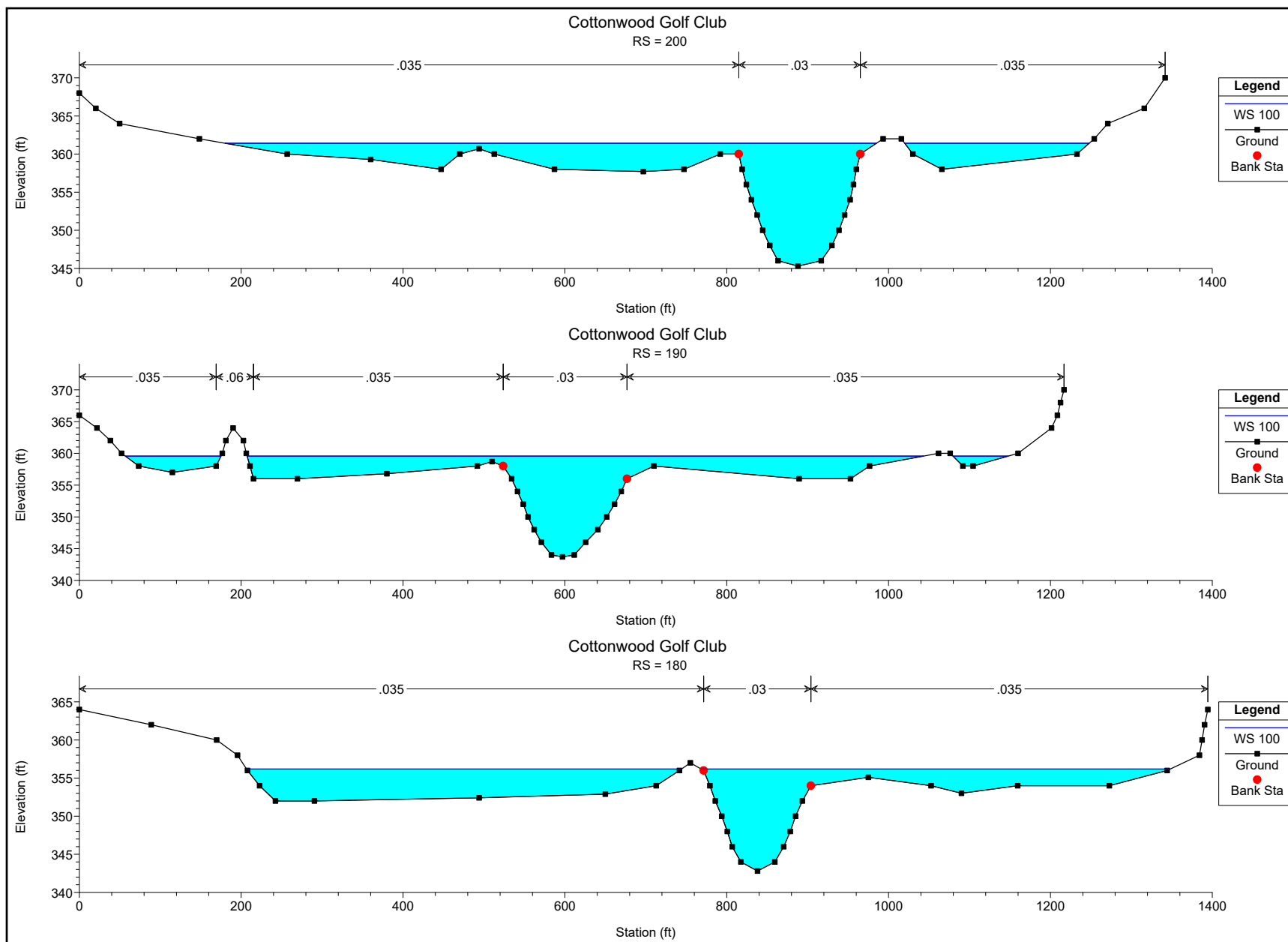


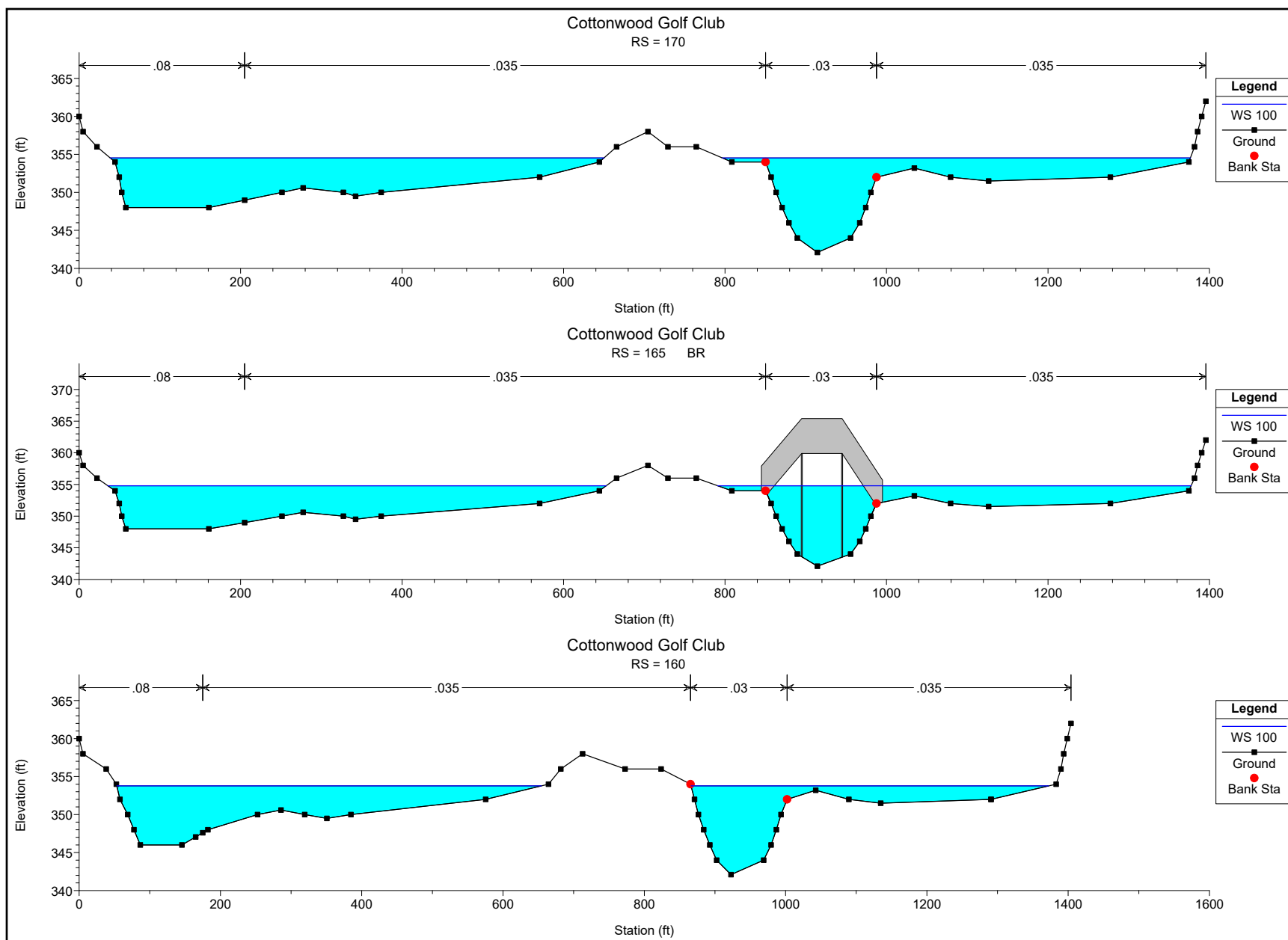


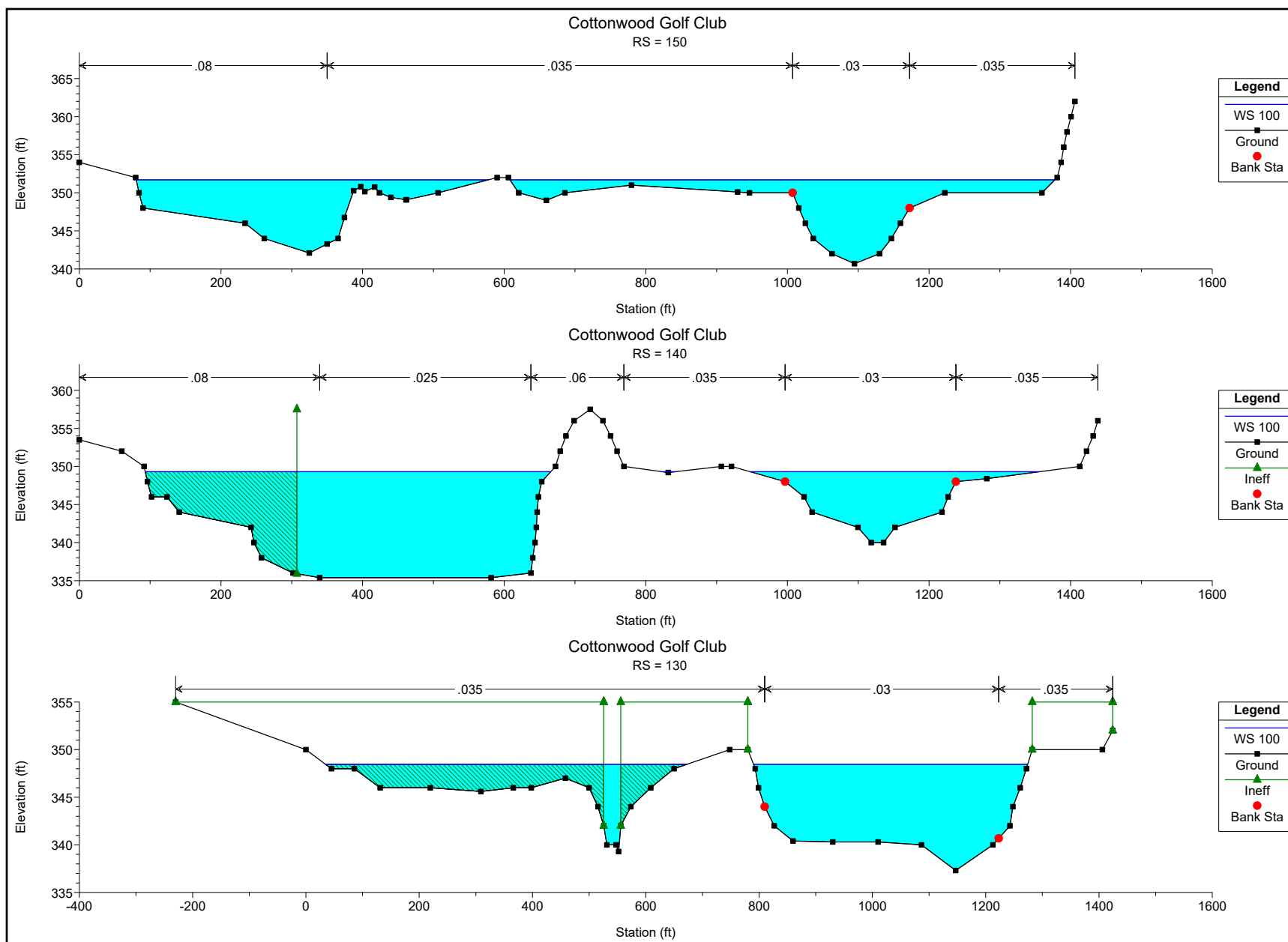


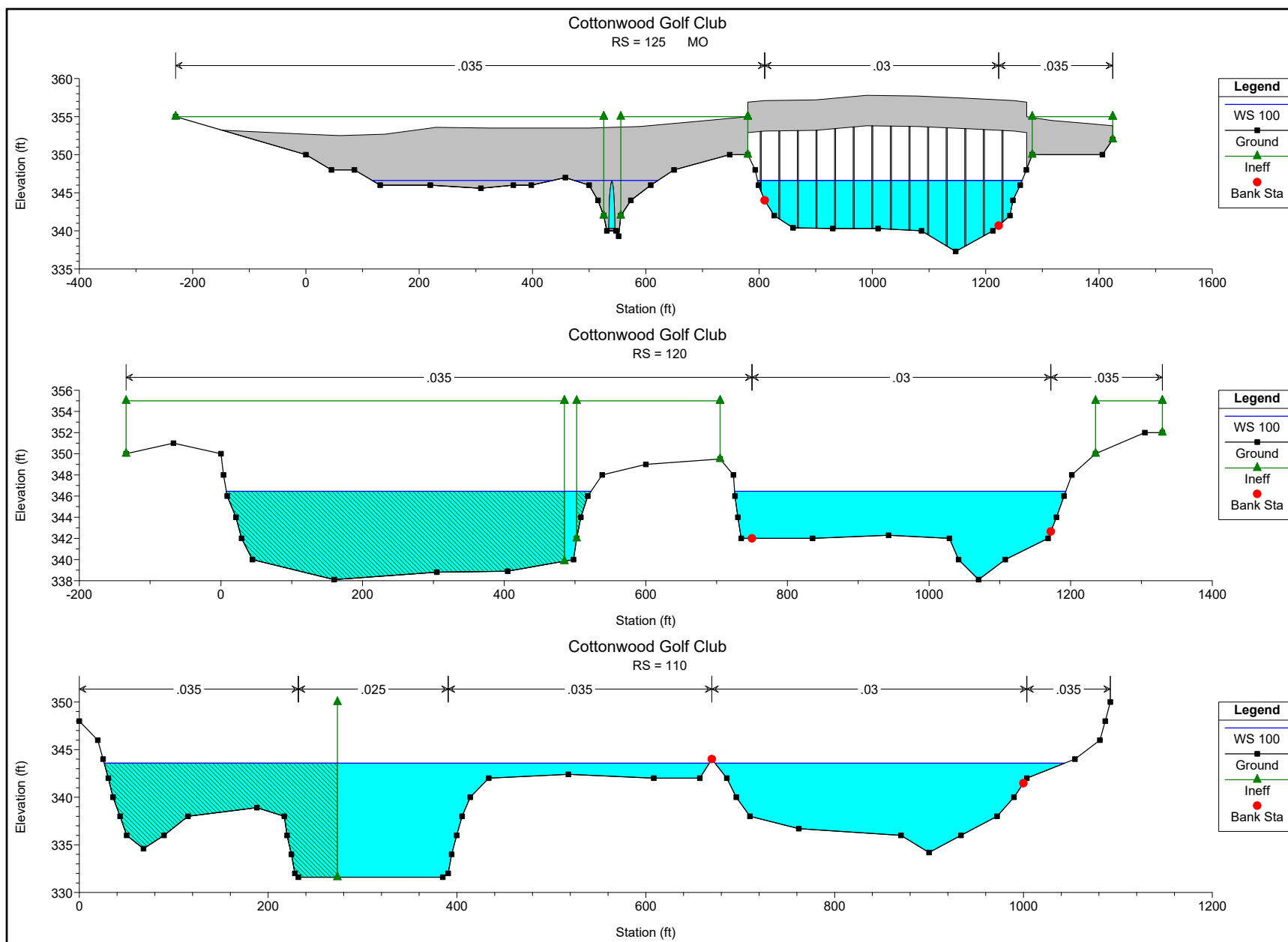


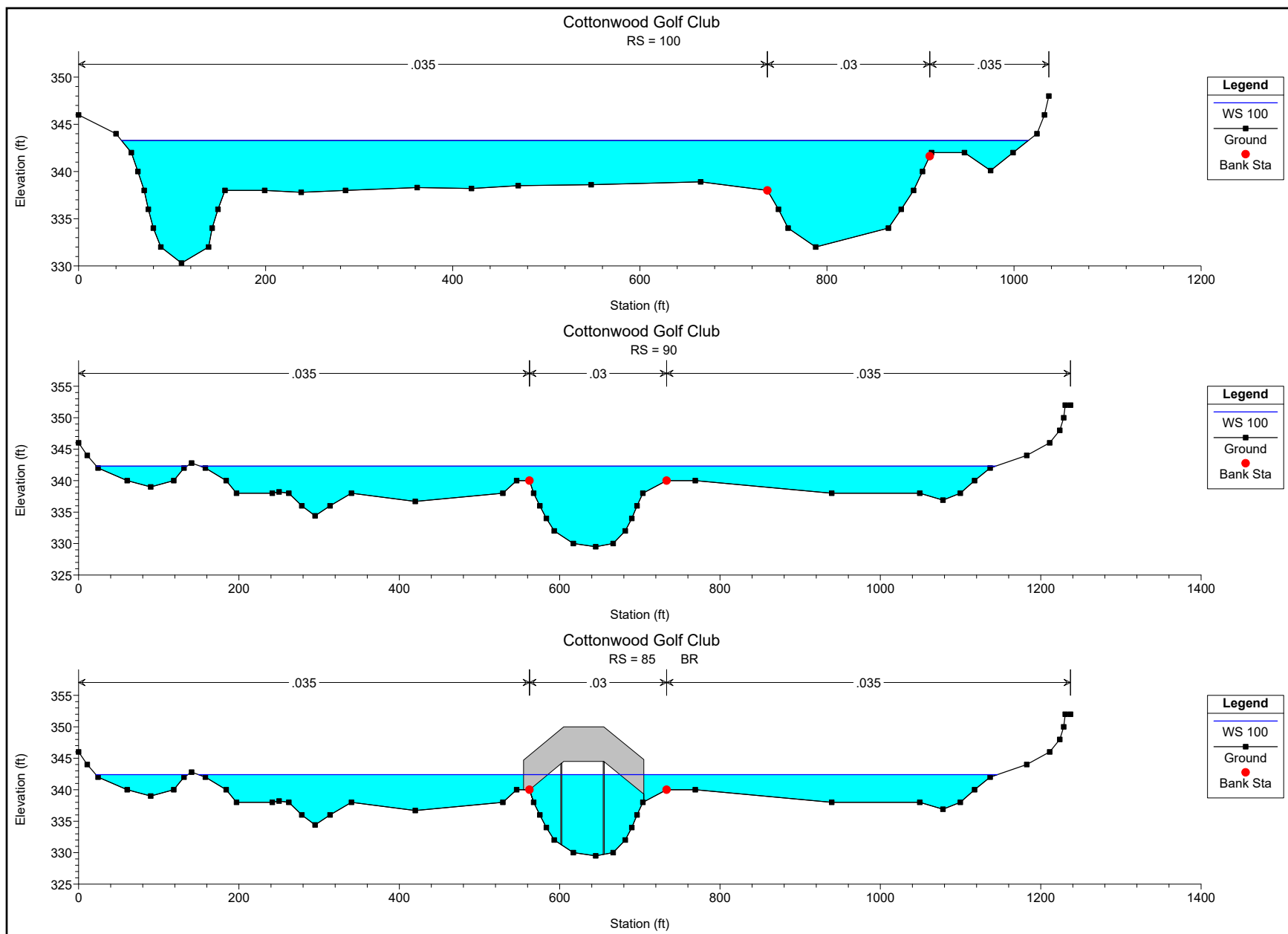


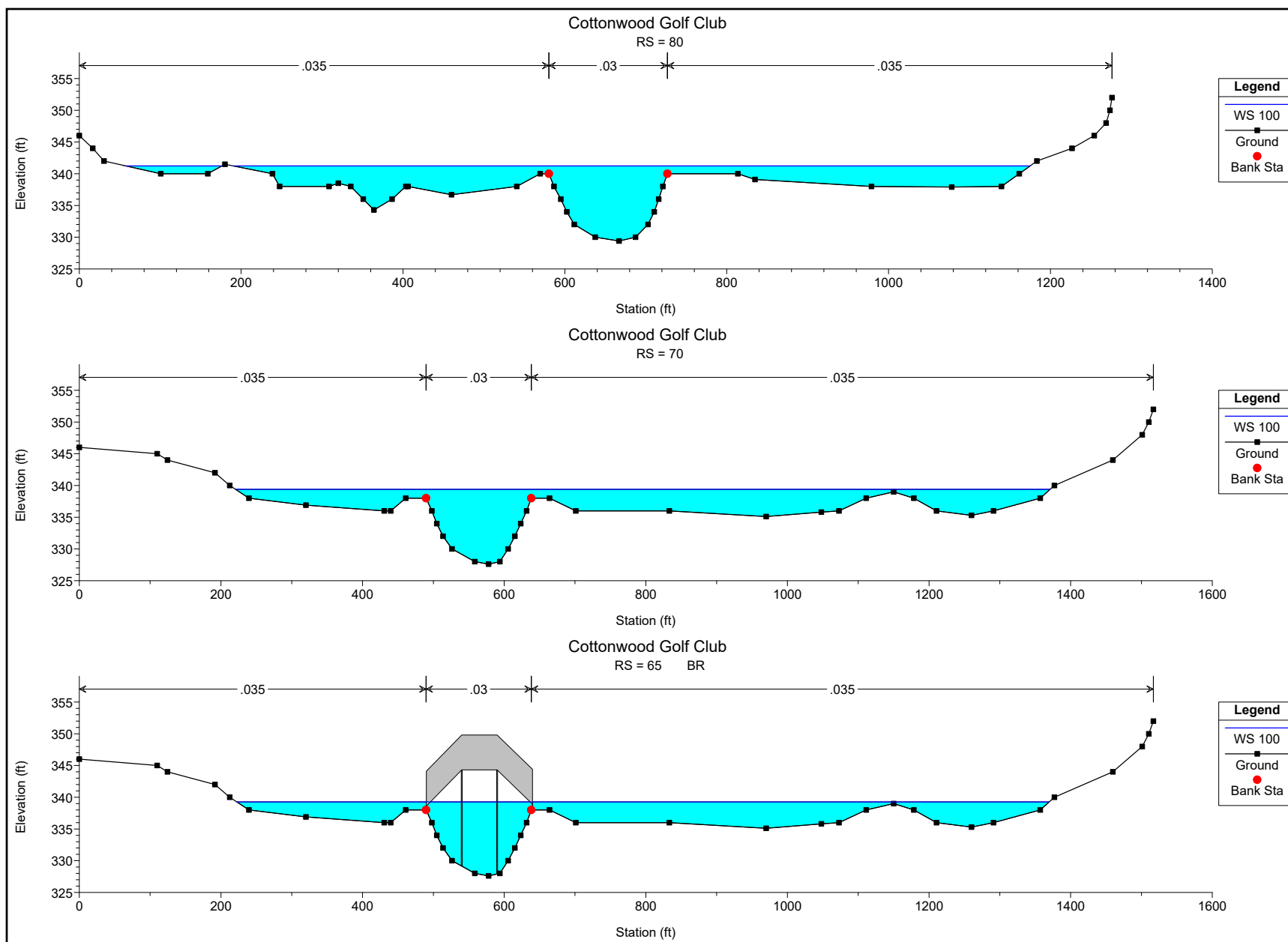


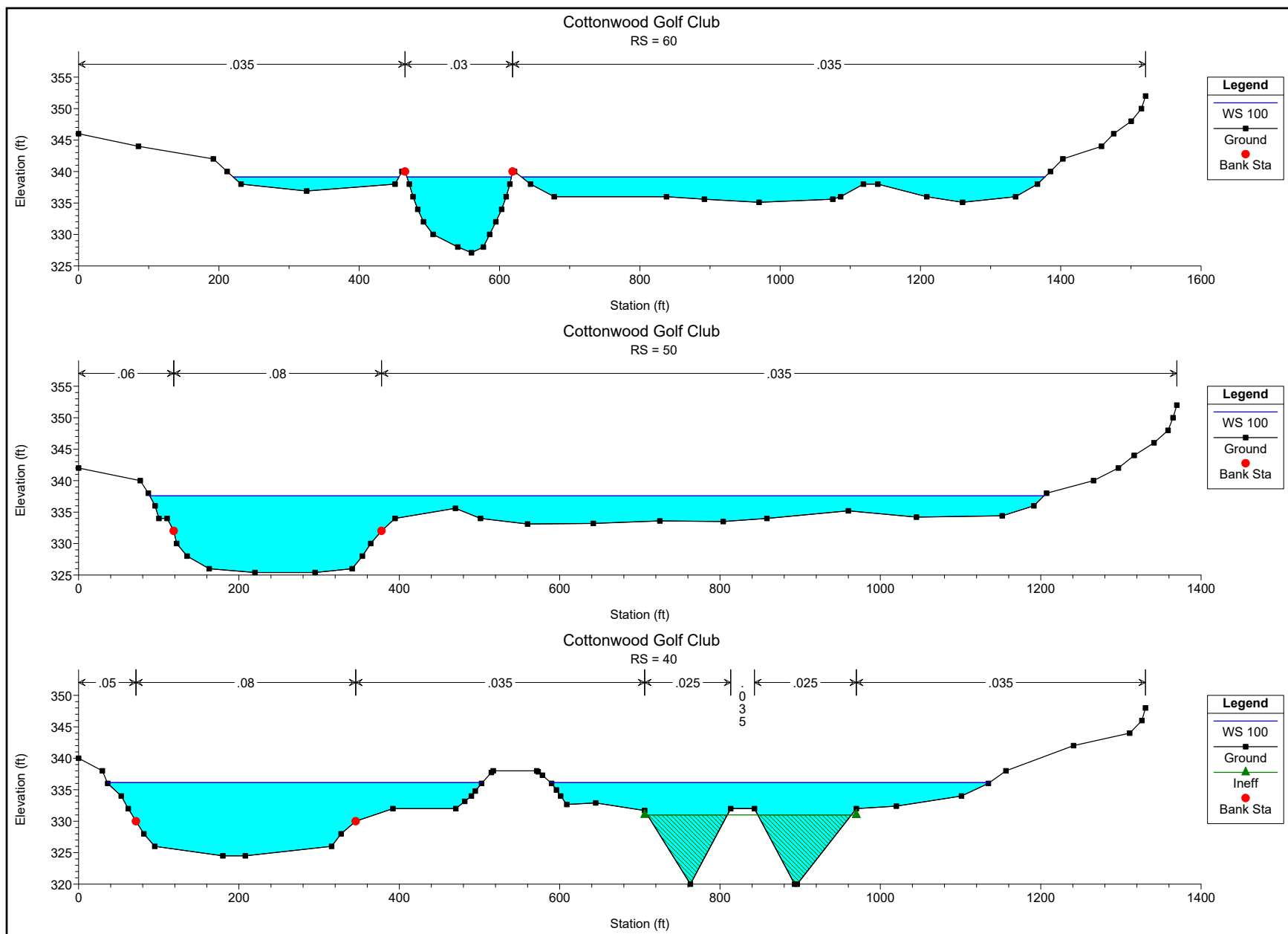


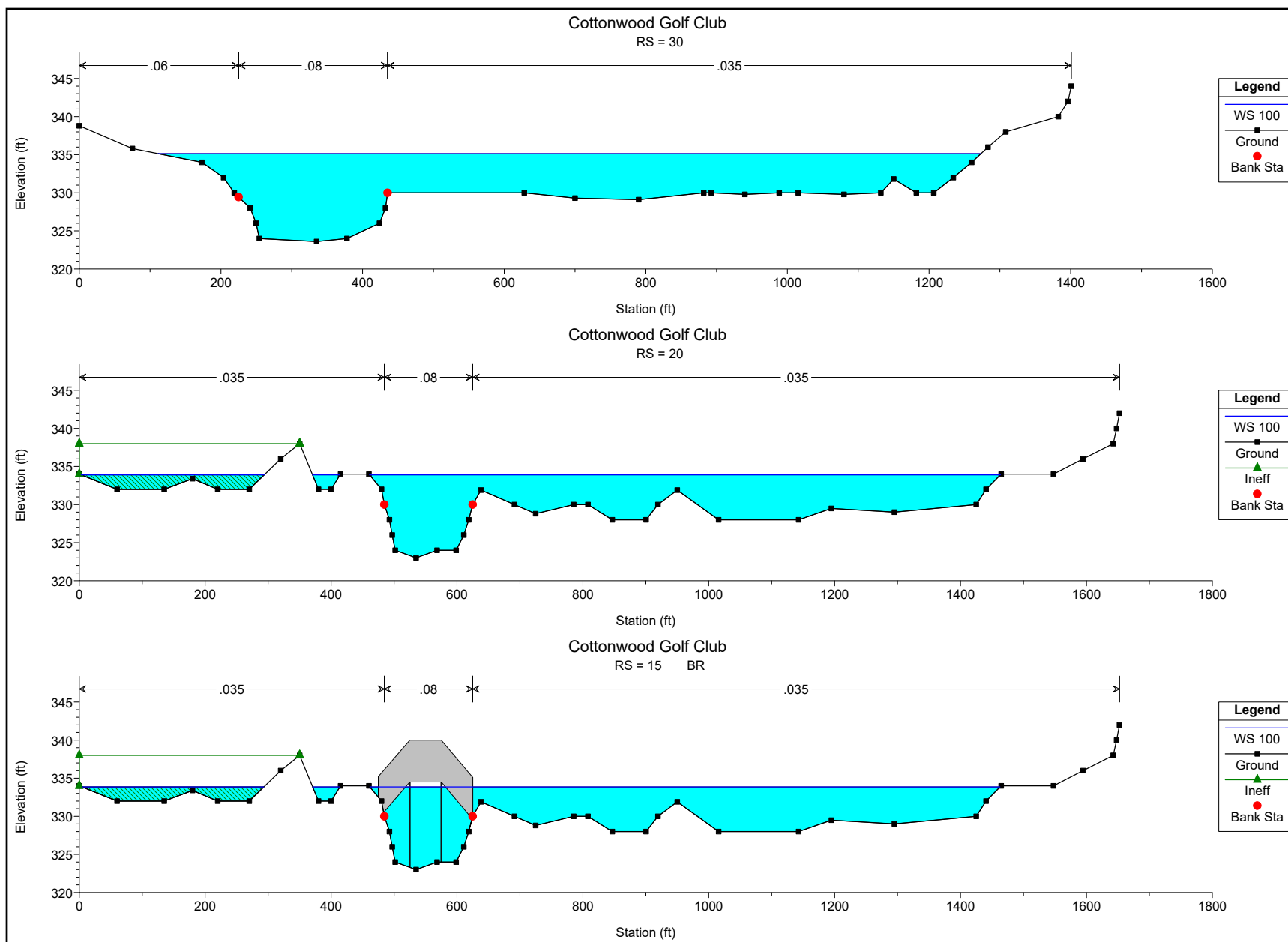


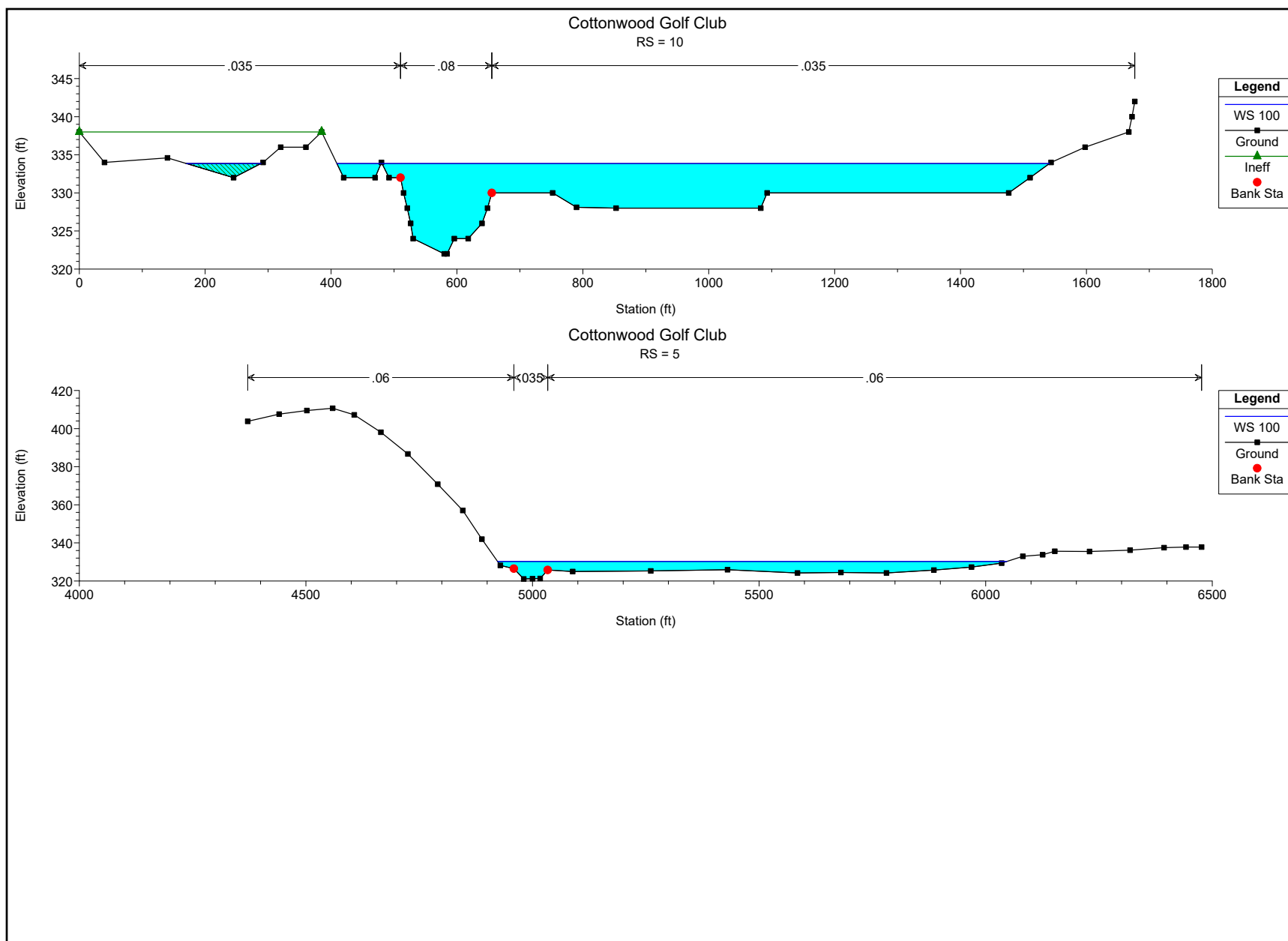












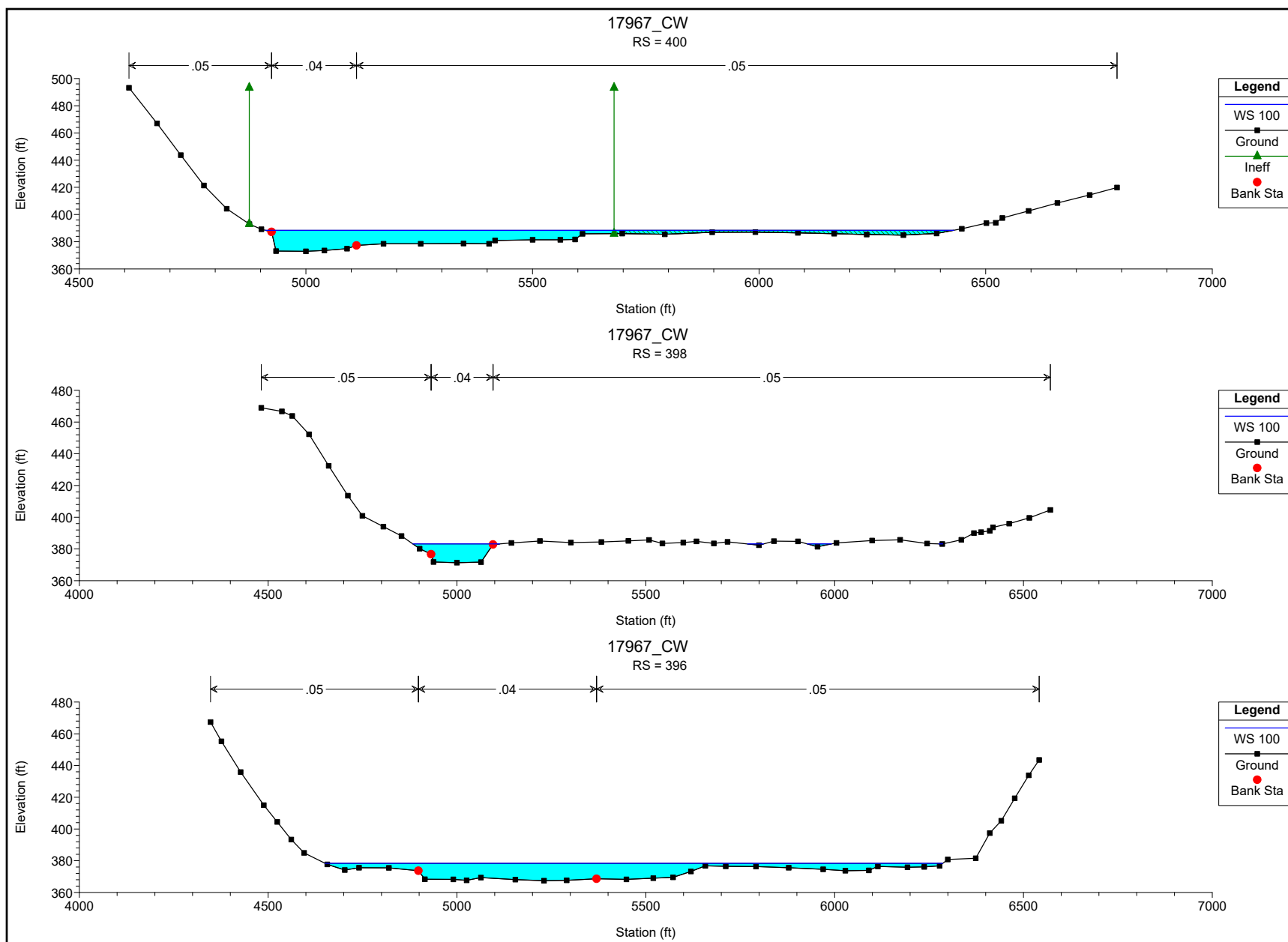
Existing Condition (Corrected Effective)

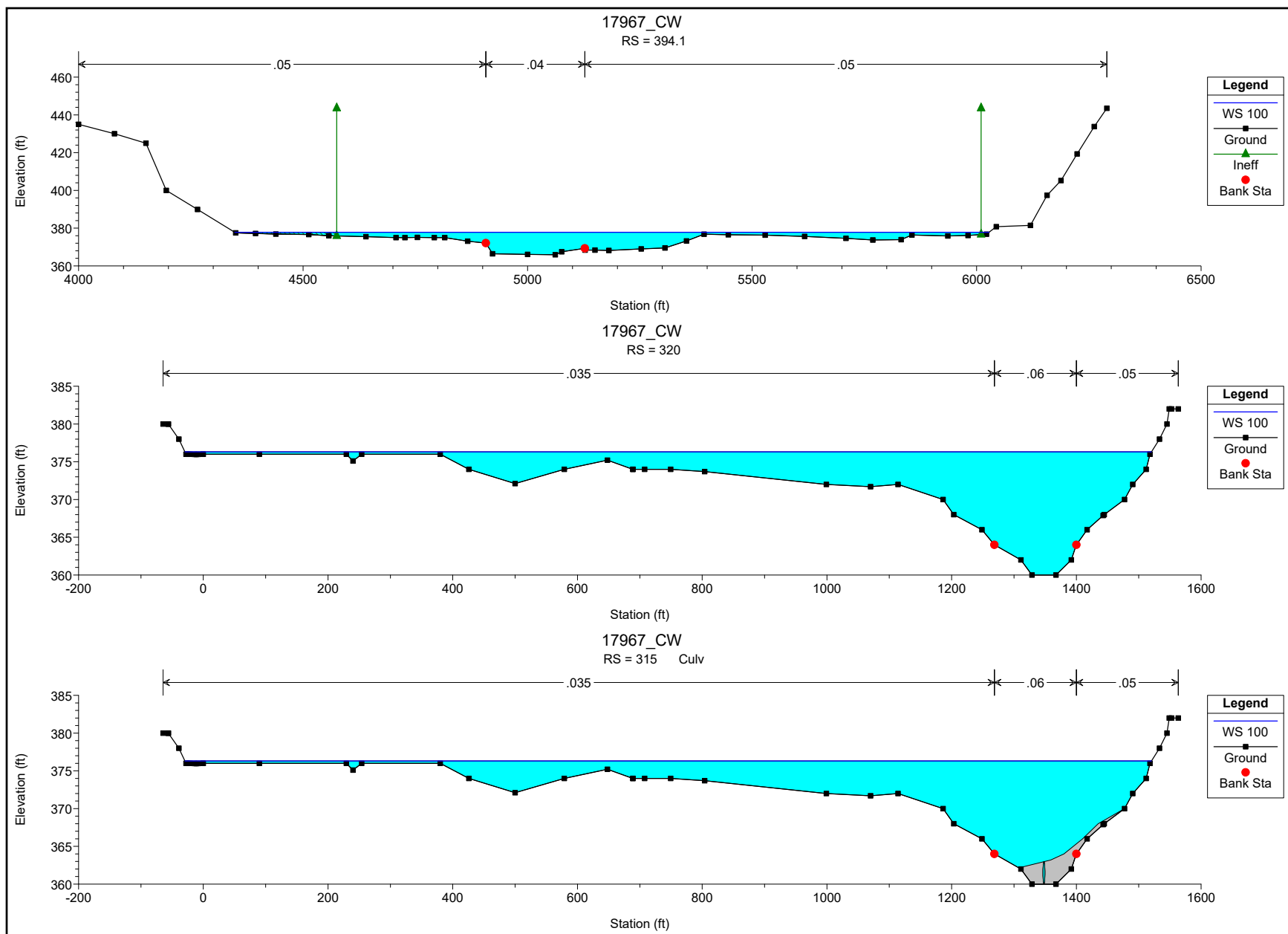
HEC-RAS Plan: As-Built Corr Eff River: RIVER-1 Reach: Reach-1 Profile: 100

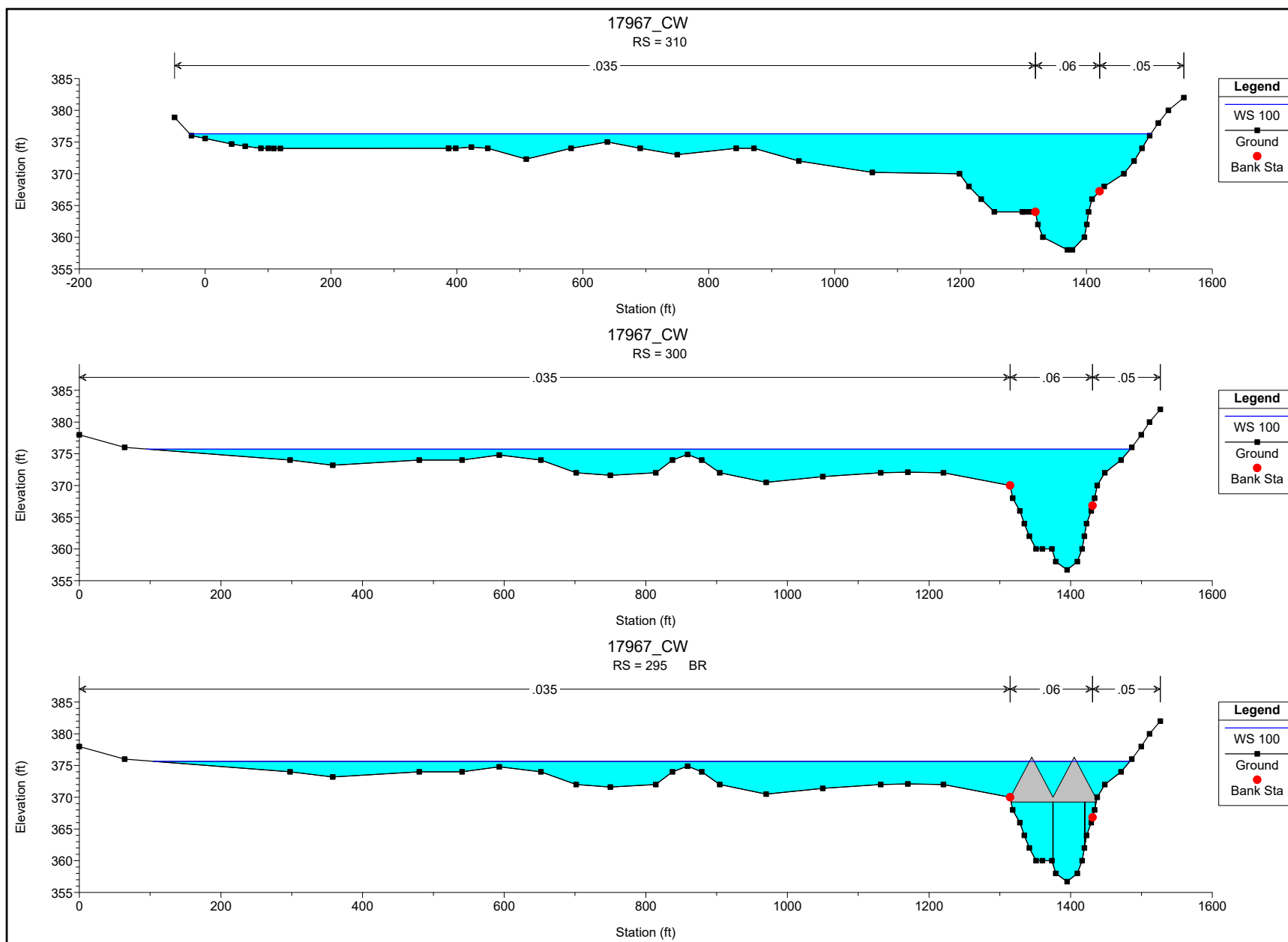
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	400	100	29500.00	373.00	388.40		388.73	0.000710	5.67	7217.89	1518.65	0.26
Reach-1	398	100	29500.00	371.30	383.17	383.17	387.25	0.008936	16.52	1955.33	346.72	0.90
Reach-1	396	100	29500.00	367.40	378.38		378.59	0.000584	4.20	9721.67	1635.85	0.23
Reach-1	394.1	100	29500.00	365.90	377.81		378.32	0.001542	7.14	6838.40	1679.65	0.38
Reach-1	320	100	29500.00	360.00	376.30	371.89	376.73	0.001952	6.59	6279.88	1549.75	0.30
Reach-1	315		Culvert									
Reach-1	310	100	29500.00	358.00	376.28		376.58	0.001332	5.57	7123.00	1526.89	0.25
Reach-1	300	100	29500.00	356.70	375.73	374.22	376.36	0.003003	7.94	5237.41	1389.15	0.37
Reach-1	295		Bridge									
Reach-1	290	100	29500.00	357.00	375.52		376.15	0.003116	8.26	5088.77	1311.24	0.37
Reach-1	280	100	29500.00	354.60	372.00	372.00	374.39	0.006896	15.00	2918.15	813.73	0.79
Reach-1	270	100	29500.00	351.30	370.66	370.66	372.55	0.002422	13.13	3851.40	1241.65	0.64
Reach-1	260	100	29500.00	349.90	367.90	367.90	369.70	0.002600	12.88	3797.93	1077.01	0.66
Reach-1	250	100	29500.00	347.70	365.55	364.94	366.98	0.001893	10.89	4095.02	981.89	0.56
Reach-1	245		Bridge									
Reach-1	240	100	29500.00	347.70	365.31	364.86	366.87	0.002054	11.27	3932.89	950.11	0.58
Reach-1	230	100	29500.00	346.00	364.67	363.81	366.22	0.001776	11.32	3984.29	1061.74	0.55
Reach-1	225		Bridge									
Reach-1	220	100	29500.00	346.00	363.65	363.65	365.86	0.002594	13.12	3294.18	896.67	0.66
Reach-1	210	100	29500.00	345.30	362.54	361.40	363.56	0.001345	9.77	5066.40	1143.45	0.48
Reach-1	205		Bridge									
Reach-1	200	100	29500.00	345.30	361.42	361.42	363.30	0.002438	12.49	3775.20	1032.94	0.64
Reach-1	190	100	29500.00	343.70	359.56	359.56	361.51	0.002915	12.91	3651.46	1022.27	0.69
Reach-1	180	100	29500.00	342.80	356.18	356.18	357.72	0.003876	12.86	3862.30	1116.68	0.77
Reach-1	170	100	29500.00	342.10	354.53	354.06	355.68	0.003014	11.51	4697.07	1191.20	0.68
Reach-1	165		Bridge									
Reach-1	160	100	29500.00	342.10	353.77	353.77	355.38	0.004551	13.38	3963.11	1107.15	0.83
Reach-1	150	100	29500.00	340.70	351.69	351.69	353.25	0.004000	12.70	4463.50	1266.04	0.78
Reach-1	140	100	29500.00	340.00	349.55		349.76	0.000298	2.90	8066.88	1072.12	0.20
Reach-1	130	100	29500.00	337.30	348.47	345.10	349.33	0.001370	7.64	4041.50	1122.41	0.46
Reach-1	125		Mult Open									
Reach-1	120	100	29500.00	338.10	346.46	346.46	348.93	0.007768	12.80	2359.51	982.82	1.01
Reach-1	110	100	29500.00	334.20	343.81		344.19	0.000582	4.22	6070.13	1021.10	0.29
Reach-1	100	100	29500.00	332.00	343.29		343.81	0.001243	7.38	5524.66	969.52	0.44
Reach-1	90	100	29500.00	329.50	342.31	340.97	343.05	0.001776	8.93	5077.04	1105.35	0.53
Reach-1	85		Bridge									
Reach-1	80	100	29500.00	329.40	341.24	341.24	342.84	0.003678	12.74	3817.31	1103.62	0.75
Reach-1	70	100	29500.00	327.60	339.40	339.27	340.78	0.003511	12.12	4076.96	1150.47	0.73

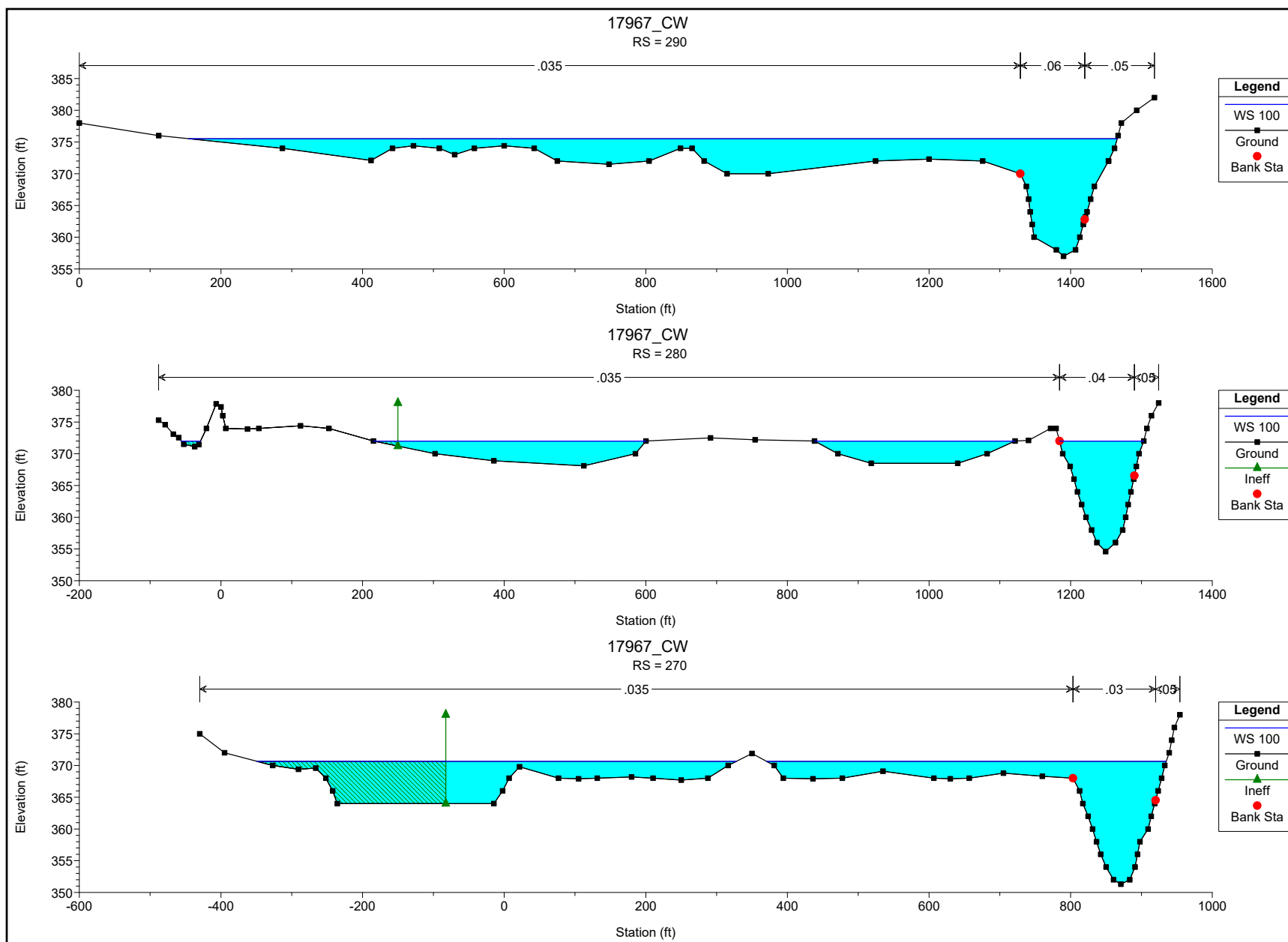
HEC-RAS Plan: As-Built Corr Eff River: RIVER-1 Reach: Reach-1 Profile: 100 (Continued)

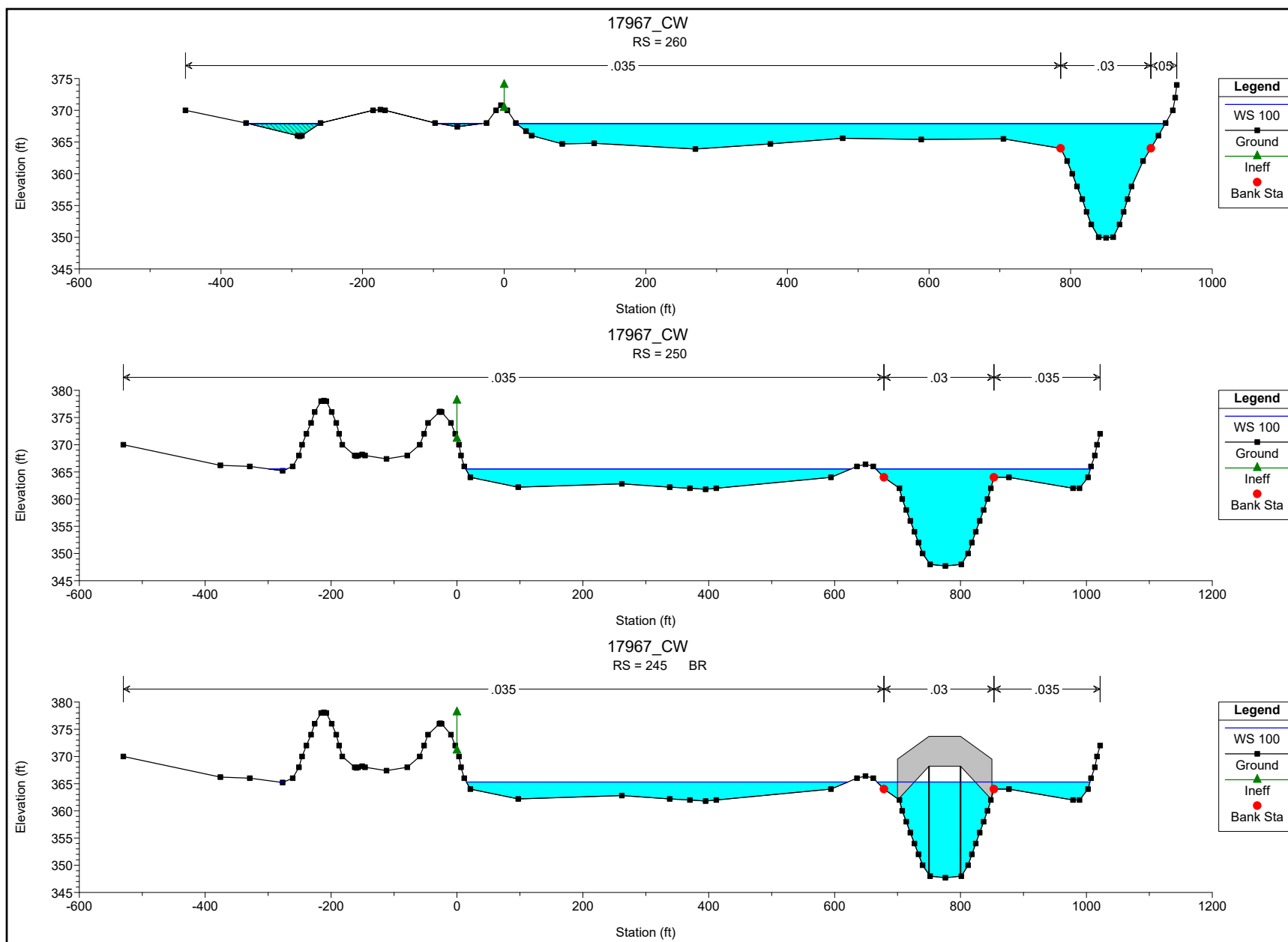
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	65		Bridge									
Reach-1	60	100	29500.00	327.10	339.14	339.14	340.64	0.003940	12.57	3873.52	1131.38	0.77
Reach-1	50	100	29500.00	325.40	337.58		337.98	0.002917	4.98	5819.82	1115.15	0.26
Reach-1	40	100	29500.00	324.50	336.13		336.59	0.002341	4.28	5713.12	1014.69	0.23
Reach-1	30	100	29500.00	323.60	335.13		335.48	0.001631	3.54	6621.18	1161.92	0.19
Reach-1	20	100	29500.00	323.00	333.90	331.66	334.44	0.002912	4.37	5163.59	1336.52	0.25
Reach-1	15		Bridge									
Reach-1	10	100	29500.00	322.00	333.85	331.57	334.35	0.002739	4.22	5402.62	1248.54	0.25
Reach-1	5	100	29500.00	321.10	330.28	328.76	330.93	0.004294	10.82	5598.21	1123.72	0.68

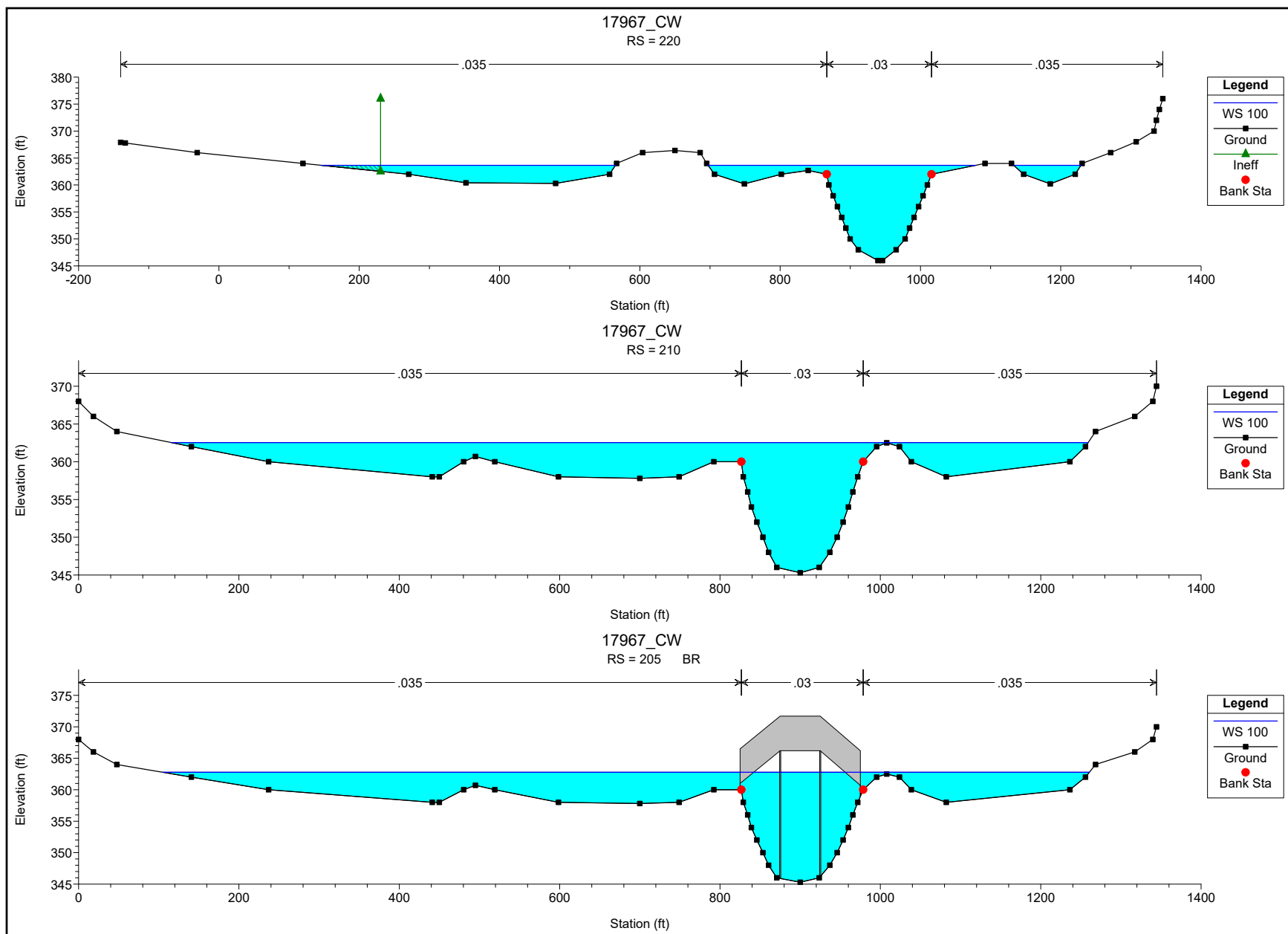


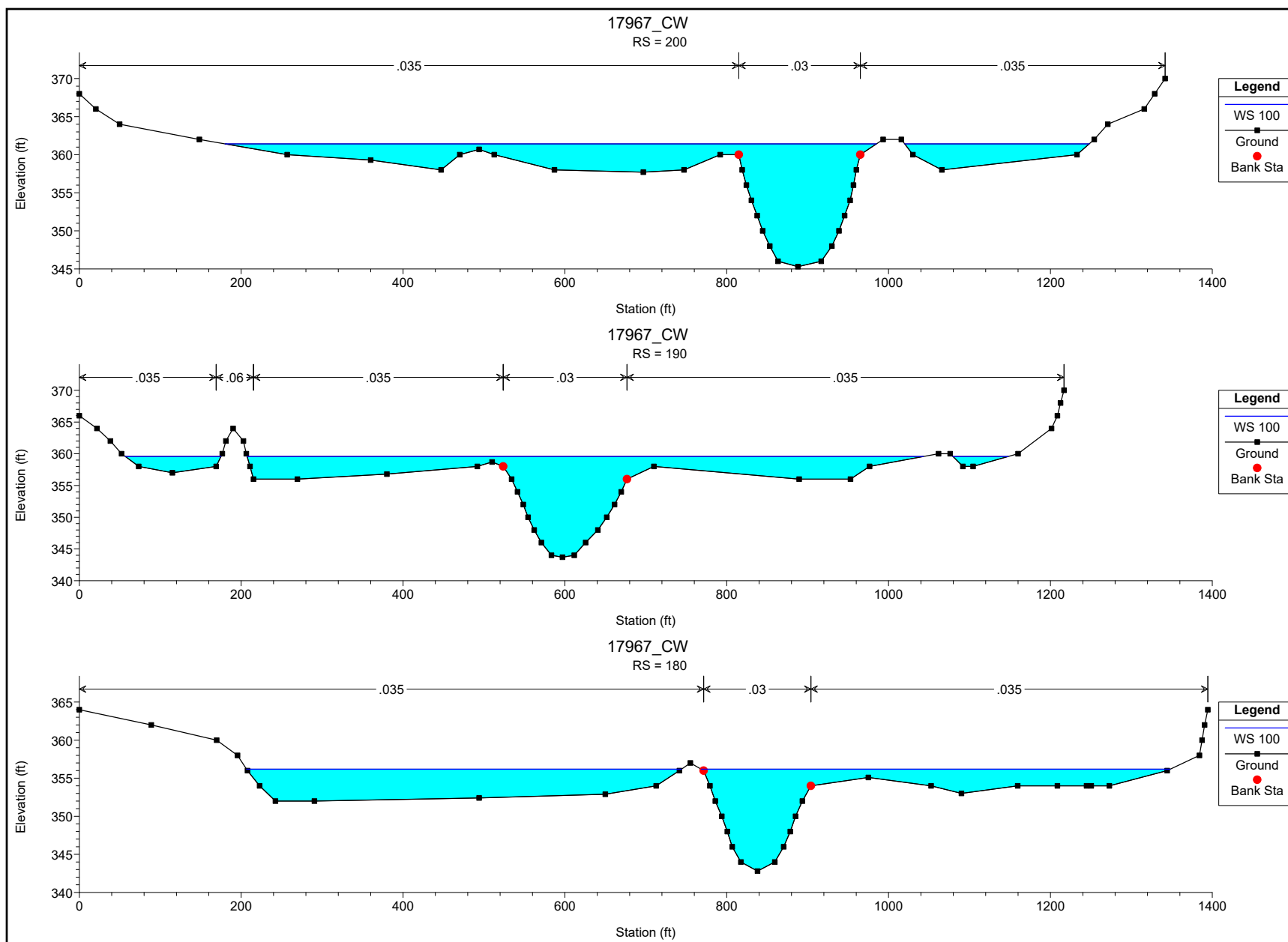


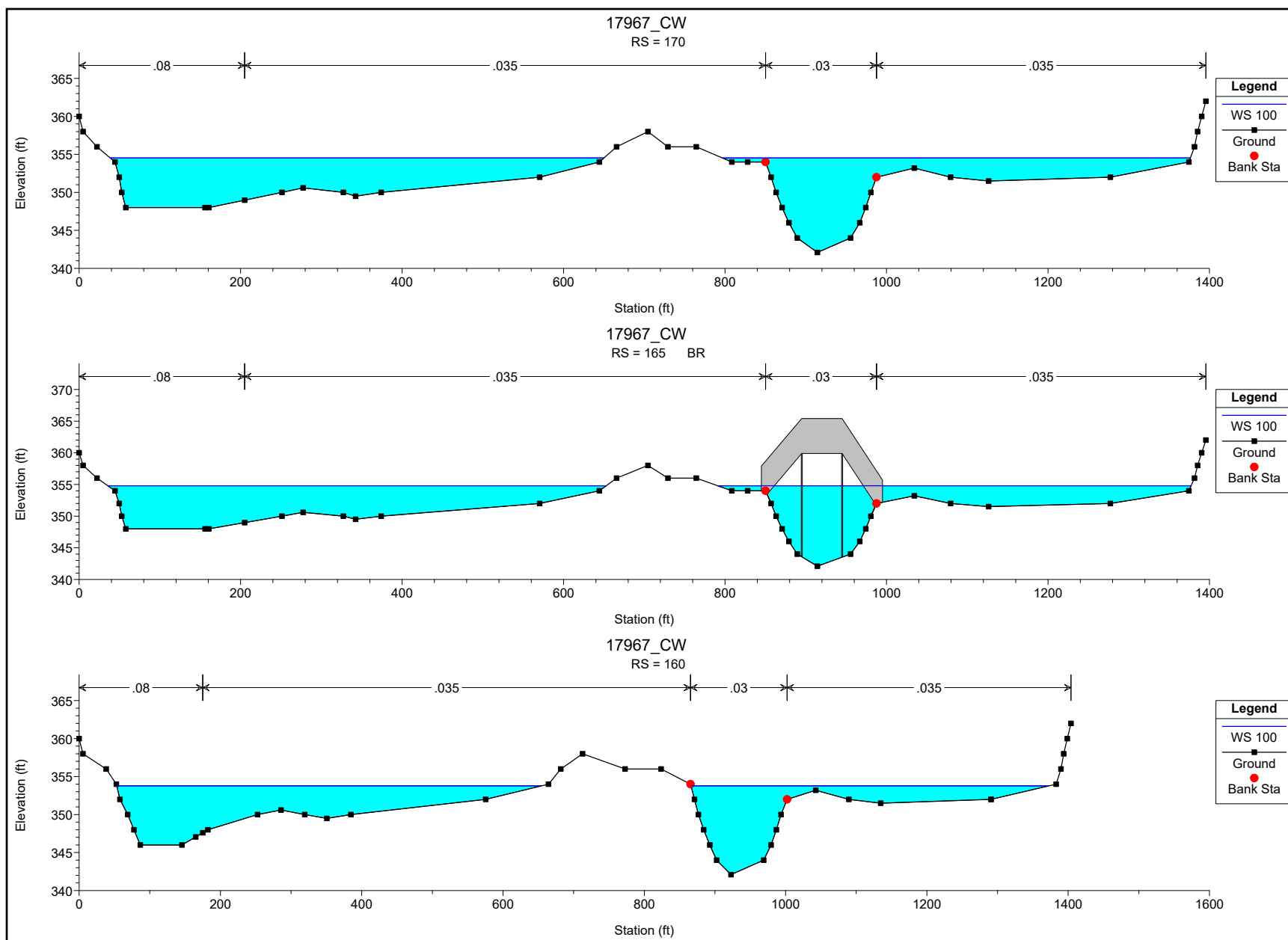


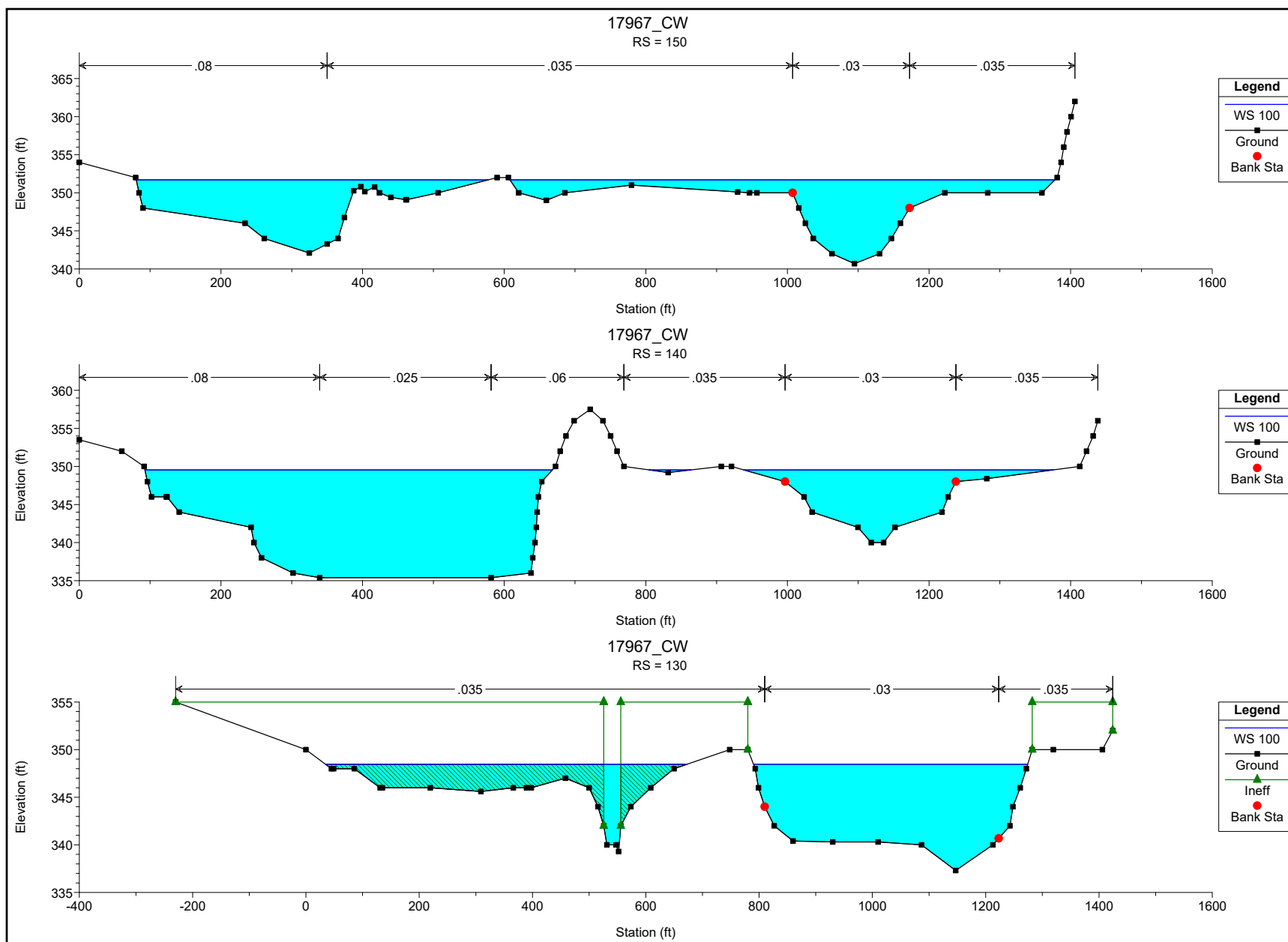


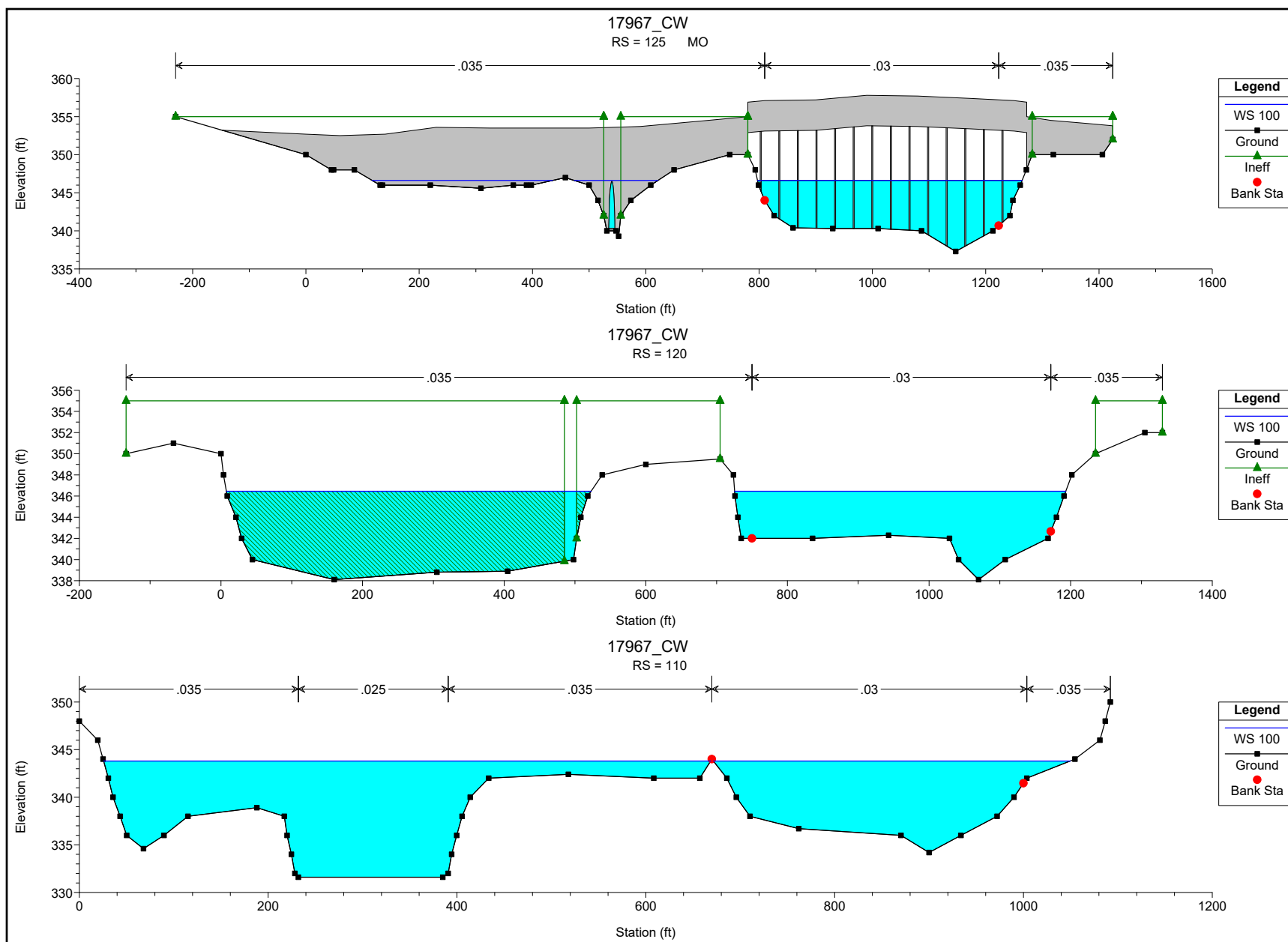


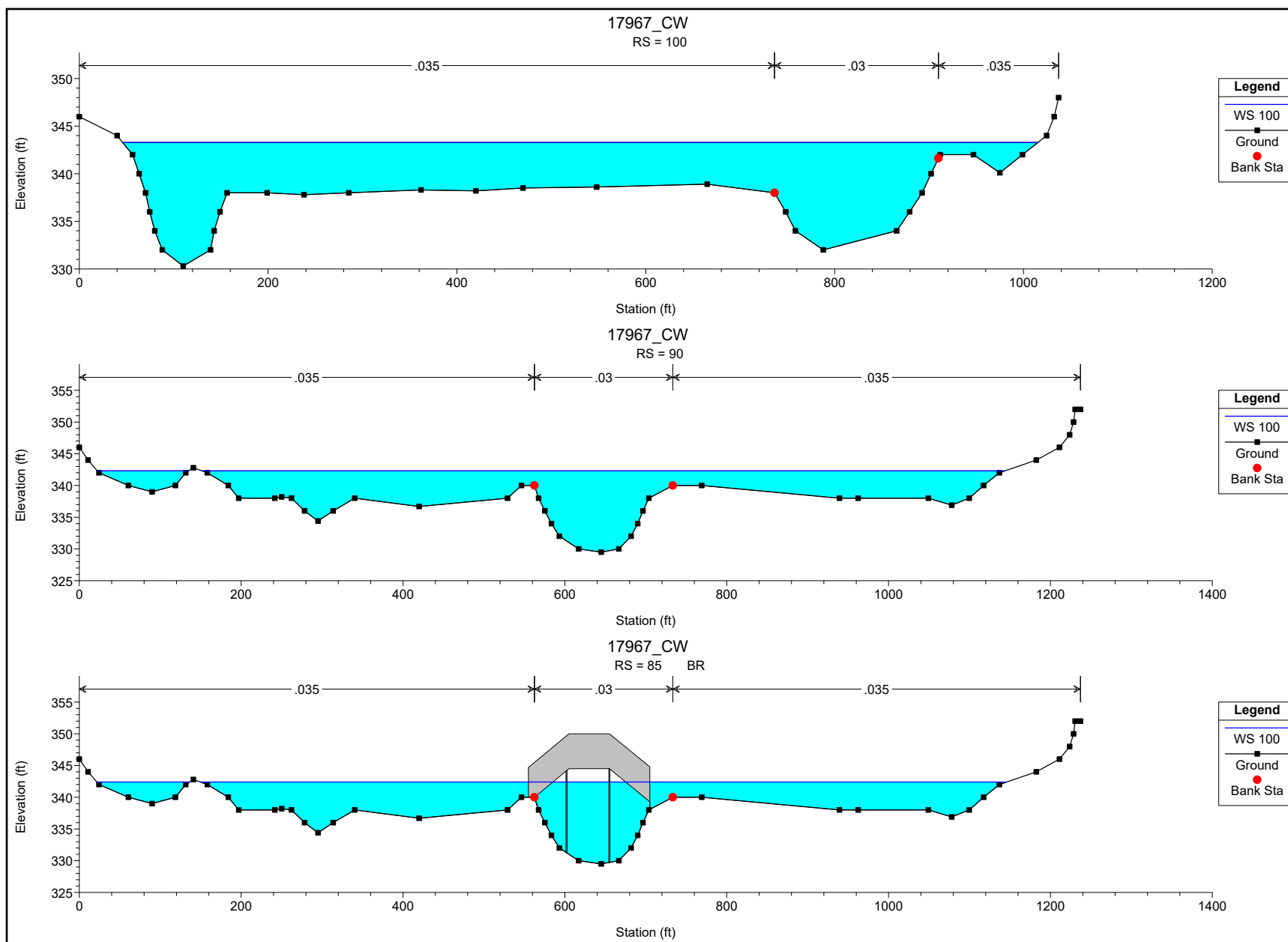


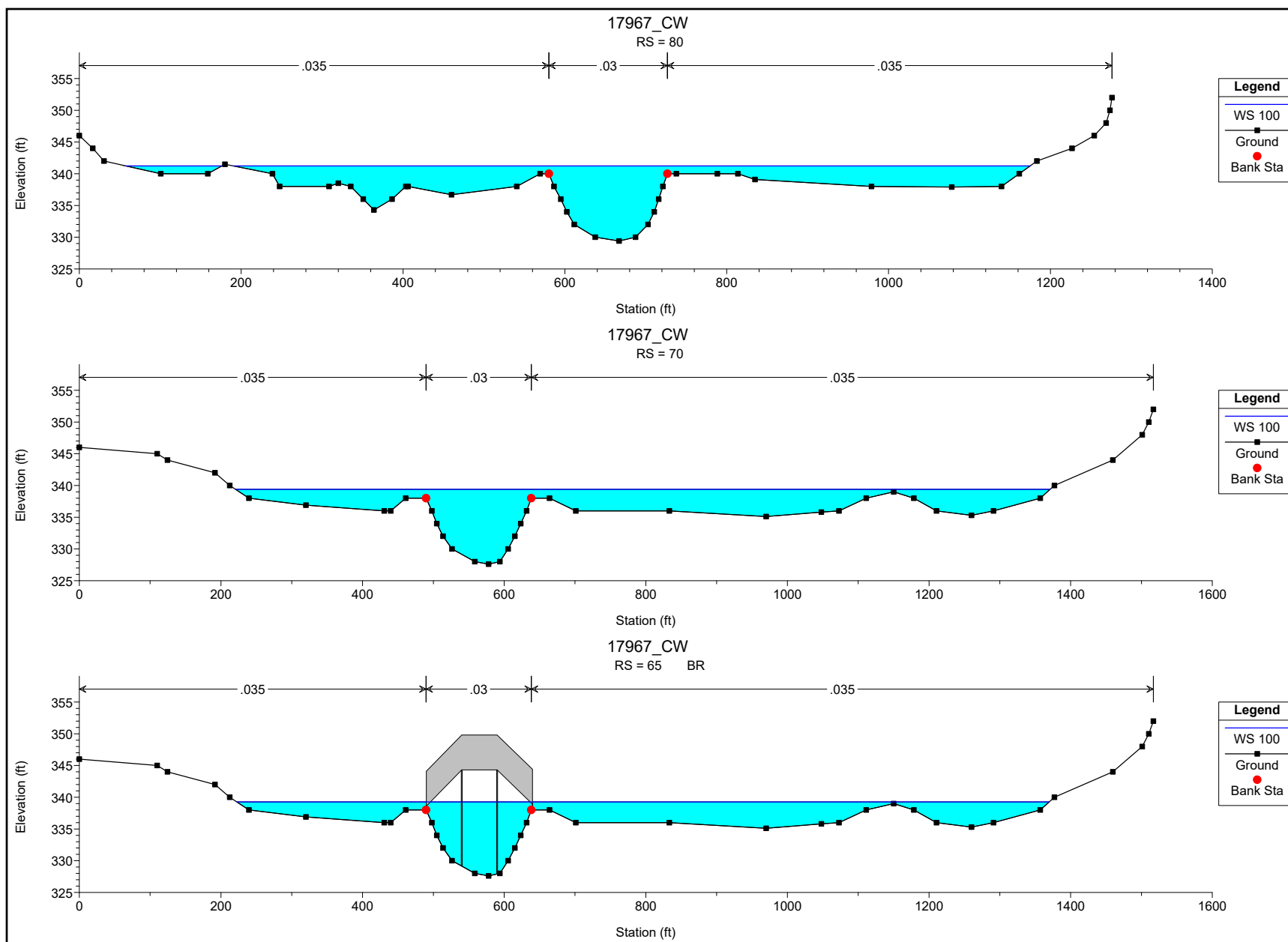


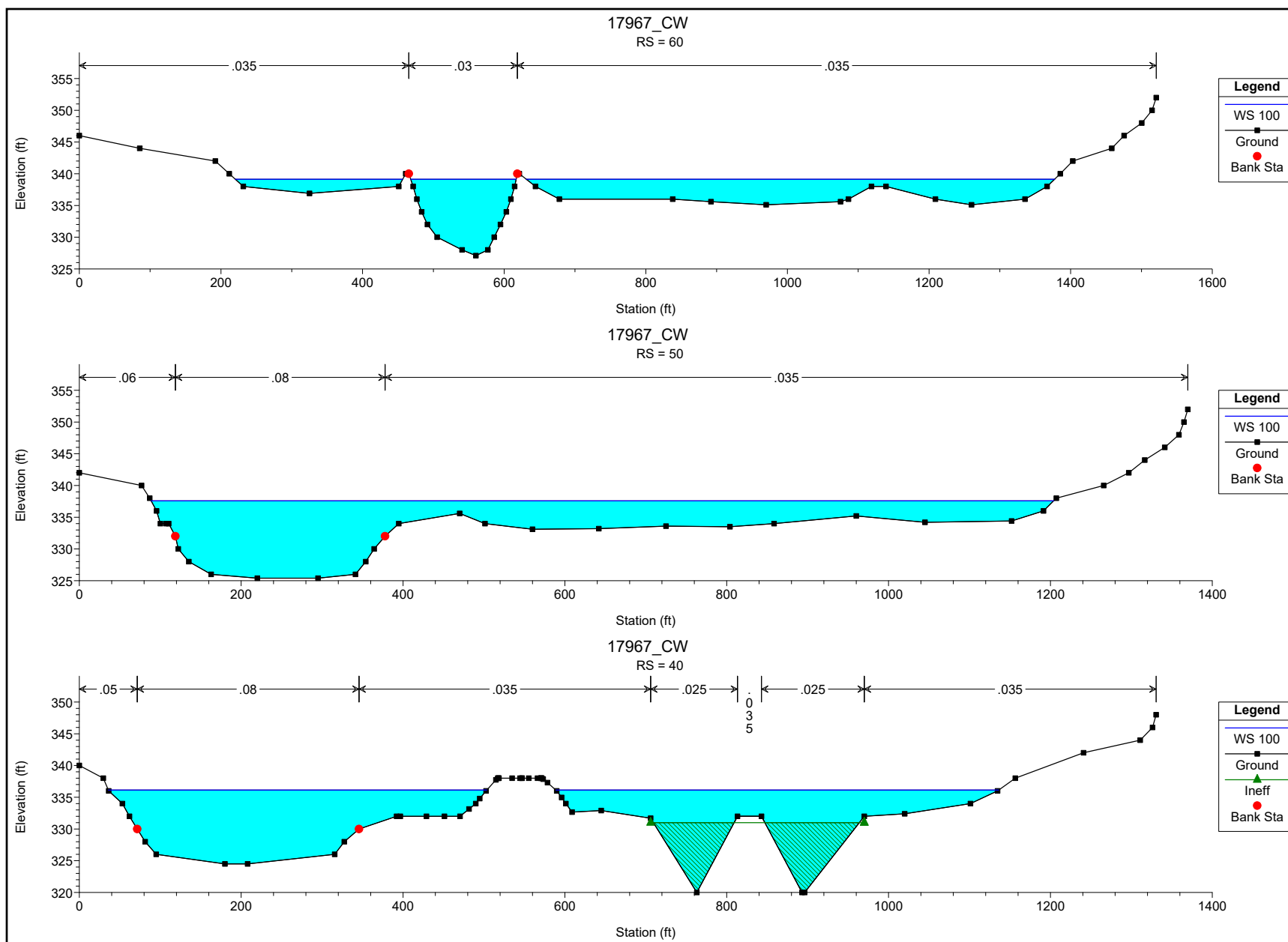


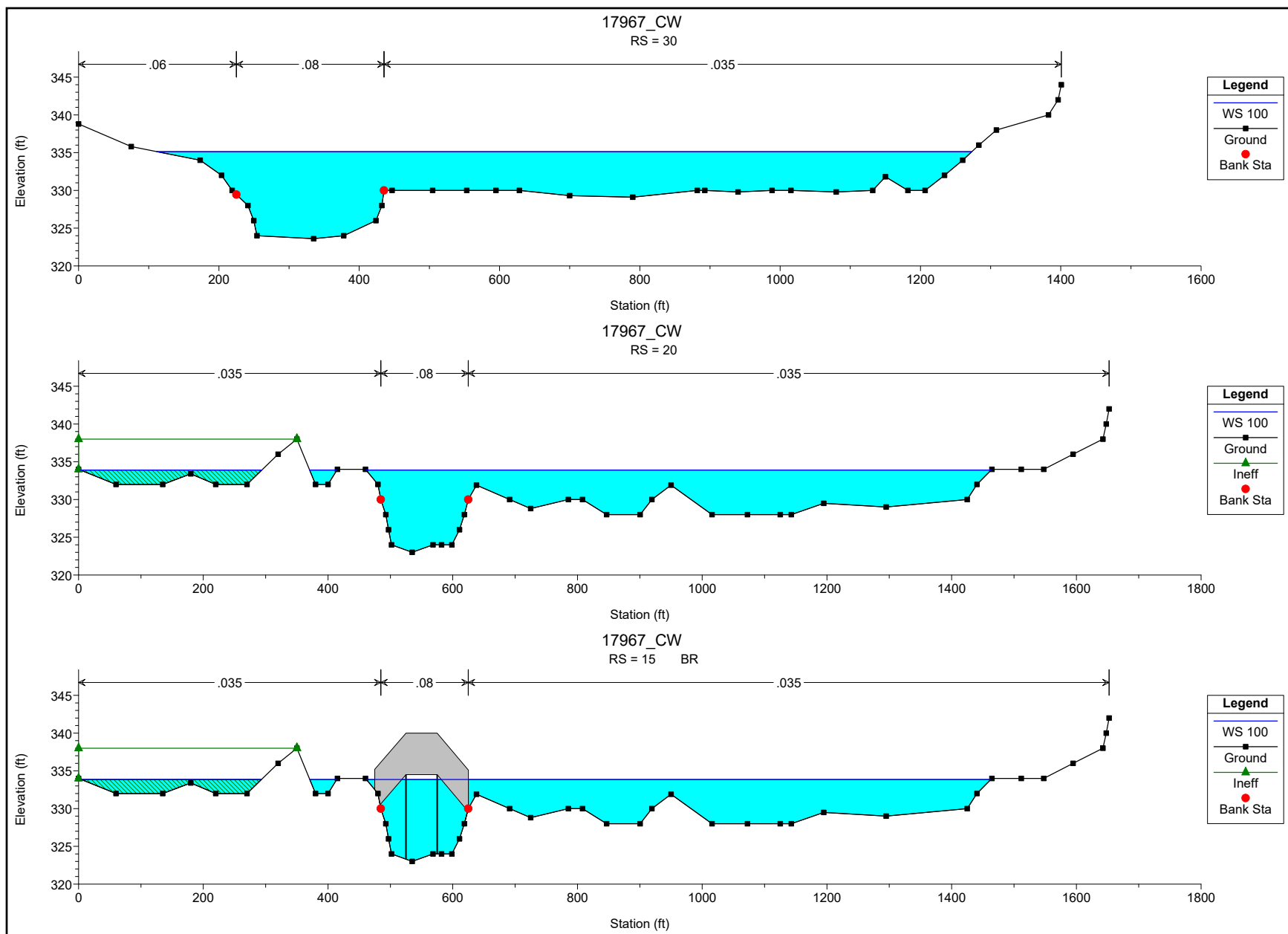


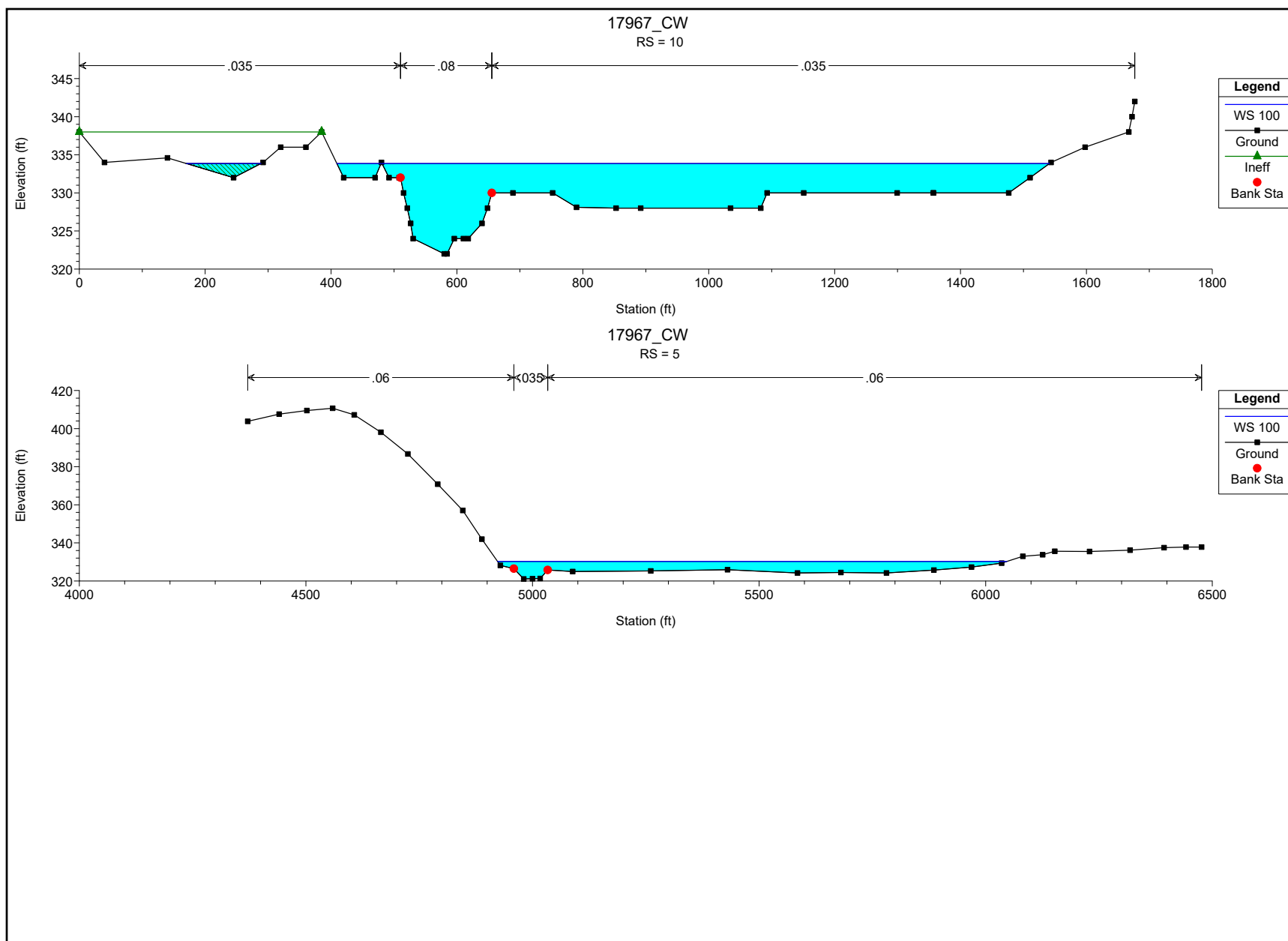












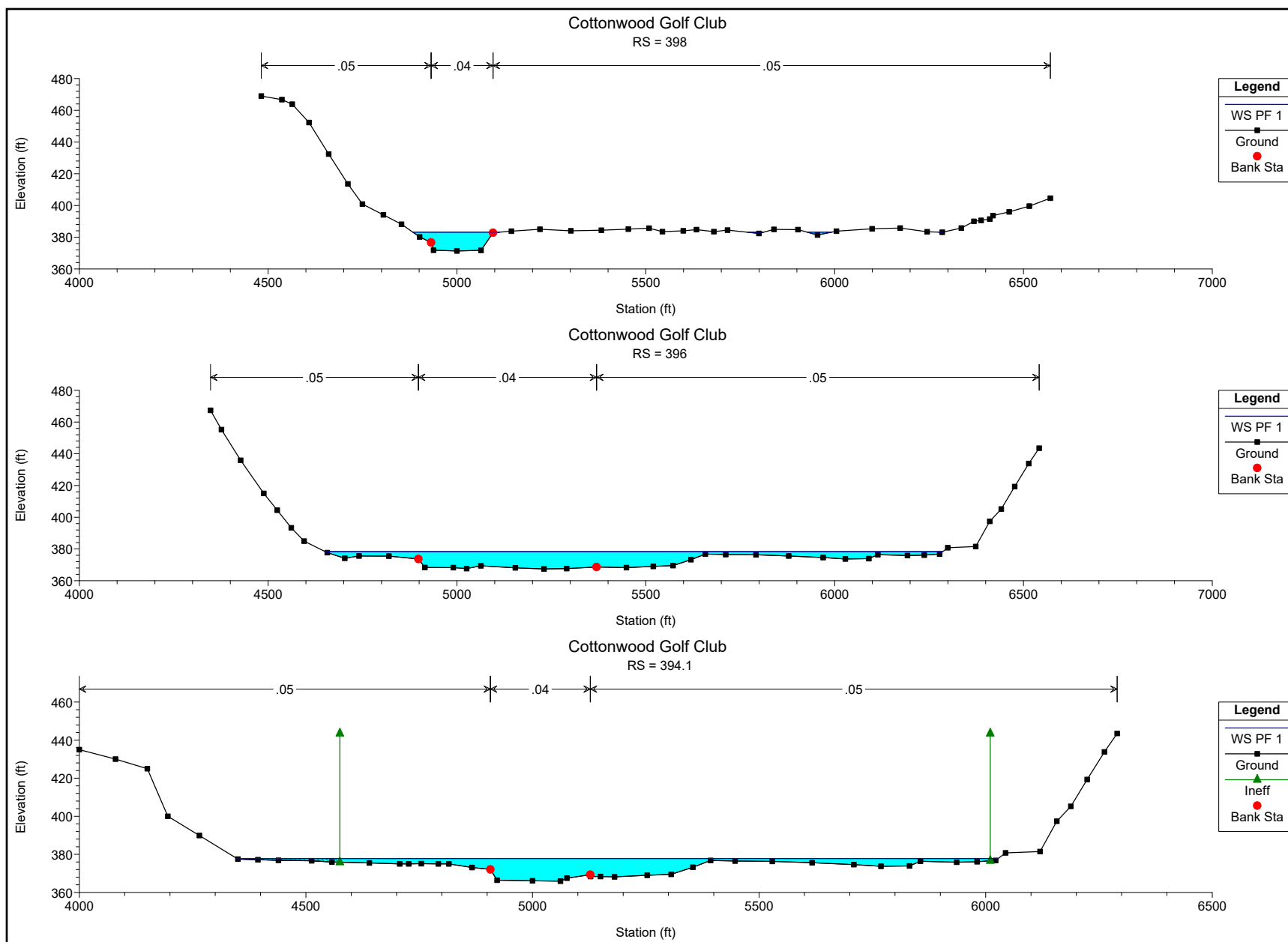
Mining Phase 1

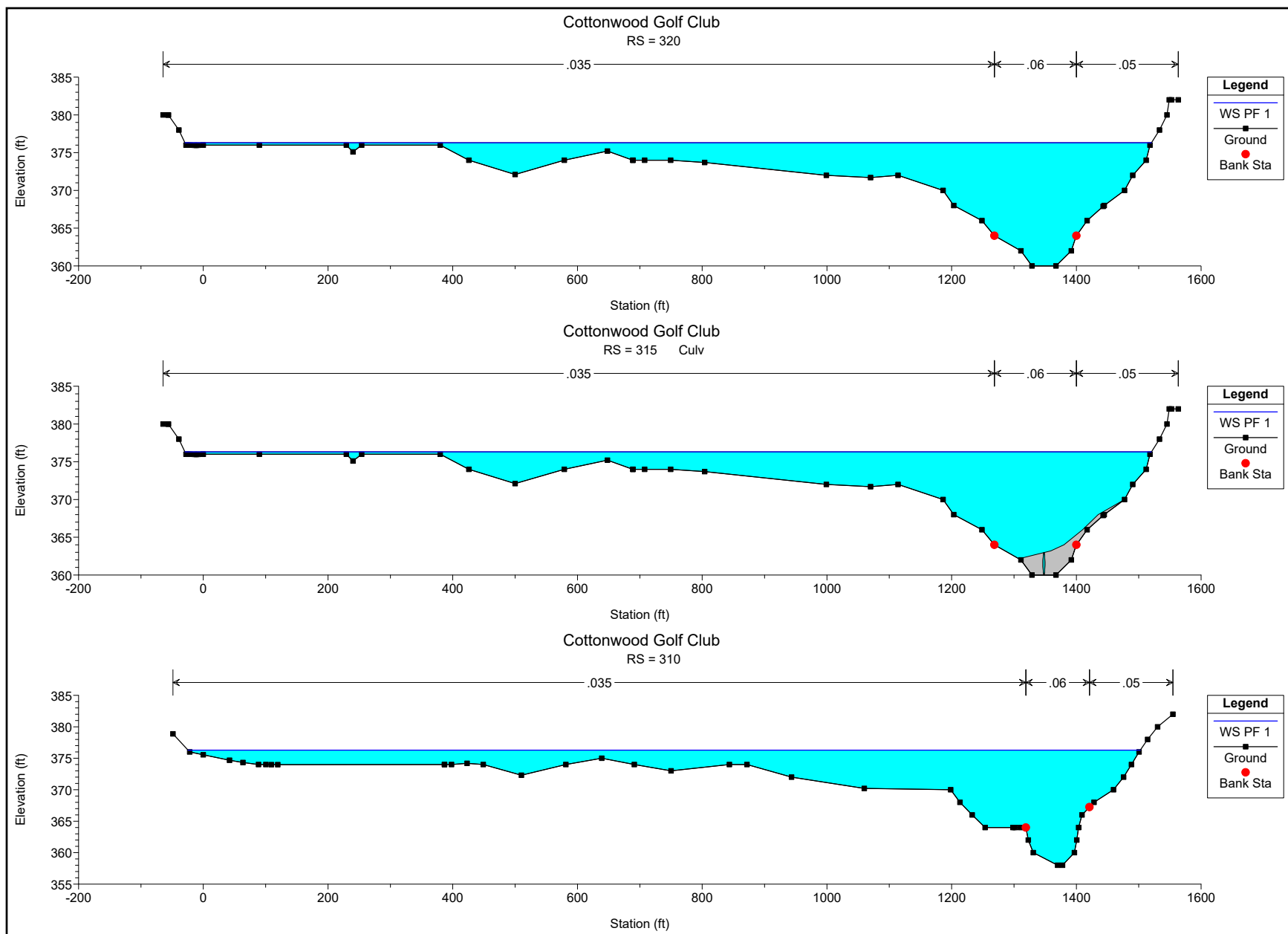
HEC-RAS Plan: PC Phase 1 River: RIVER-1 Reach: Reach-1 Profile: PF 1

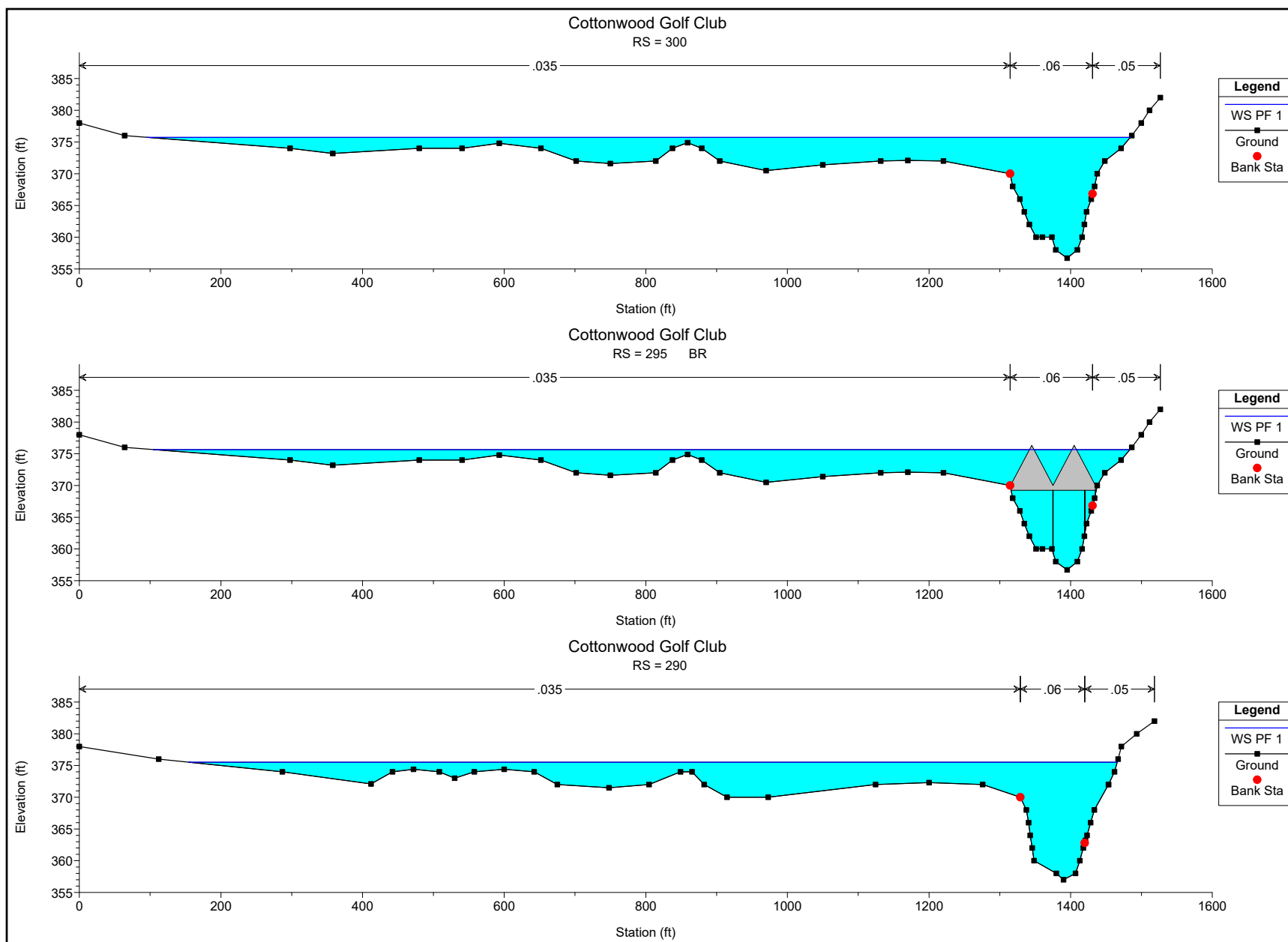
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	398	PF 1	29500.00	371.30	383.17	383.17	387.25	0.008936	16.52	1955.33	346.72	0.90
Reach-1	396	PF 1	29500.00	367.40	378.38		378.59	0.000584	4.20	9721.67	1635.85	0.23
Reach-1	394.1	PF 1	29500.00	365.90	377.81		378.32	0.001542	7.14	6838.40	1679.65	0.38
Reach-1	320	PF 1	29500.00	360.00	376.30	371.89	376.73	0.001952	6.59	6279.88	1549.75	0.30
Reach-1	315		Culvert									
Reach-1	310	PF 1	29500.00	358.00	376.28		376.58	0.001332	5.57	7123.00	1526.89	0.25
Reach-1	300	PF 1	29500.00	356.70	375.73	374.22	376.36	0.003003	7.94	5237.41	1389.15	0.37
Reach-1	295		Bridge									
Reach-1	290	PF 1	29500.00	357.00	375.52		376.15	0.003116	8.26	5088.77	1311.24	0.37
Reach-1	280	PF 1	29500.00	354.60	372.00	372.00	374.39	0.006896	15.00	2918.15	813.73	0.79
Reach-1	270	PF 1	29500.00	351.30	370.66	370.66	372.55	0.002422	13.13	3851.40	1241.65	0.64
Reach-1	260	PF 1	29500.00	349.90	367.90	367.90	369.70	0.002600	12.88	3797.93	1077.01	0.66
Reach-1	250	PF 1	29500.00	347.70	365.55	364.94	366.98	0.001893	10.89	4095.02	981.89	0.56
Reach-1	245		Bridge									
Reach-1	240	PF 1	29500.00	347.70	365.31	364.86	366.87	0.002054	11.27	3932.89	950.11	0.58
Reach-1	230	PF 1	29500.00	346.00	364.67	363.81	366.22	0.001776	11.32	3984.29	1061.74	0.55
Reach-1	225		Bridge									
Reach-1	220	PF 1	29500.00	346.00	363.65	363.65	365.86	0.002594	13.12	3294.18	896.67	0.66
Reach-1	210	PF 1	29500.00	345.30	362.54	361.40	363.56	0.001345	9.77	5066.40	1143.45	0.48
Reach-1	205		Bridge									
Reach-1	200	PF 1	29500.00	345.30	361.42	361.42	363.30	0.002438	12.49	3775.20	1032.94	0.64
Reach-1	190	PF 1	29500.00	343.70	359.56	359.56	361.51	0.002915	12.91	3651.46	1022.27	0.69
Reach-1	180	PF 1	29500.00	342.80	356.18	356.18	357.72	0.003876	12.86	3862.30	1116.68	0.77
Reach-1	170	PF 1	29500.00	342.10	354.53	354.06	355.68	0.003014	11.51	4697.07	1191.20	0.68
Reach-1	165		Bridge									
Reach-1	160	PF 1	29500.00	342.10	353.77	353.77	355.38	0.004551	13.38	3963.11	1107.15	0.83
Reach-1	150	PF 1	29500.00	340.70	351.69	351.69	353.25	0.004000	12.70	4463.50	1266.04	0.78
Reach-1	140	PF 1	29500.00	340.00	349.51		349.73	0.000249	2.64	8024.10	1059.92	0.19
Reach-1	130	PF 1	29500.00	337.30	348.46	345.10	349.33	0.001372	7.64	4039.56	1122.09	0.46
Reach-1	125		Mult Open									
Reach-1	120	PF 1	29500.00	338.10	346.46	346.46	348.93	0.007768	12.80	2359.51	982.82	1.01
Reach-1	110	PF 1	29500.00	334.00	342.69		342.93	0.001323	3.97	7431.45	1017.85	0.26
Reach-1	100	PF 1	29500.00	332.20	341.94		342.22	0.002151	3.79	7249.99	866.61	0.22
Reach-1	90	PF 1	29500.00	331.00	340.53		340.79	0.002873	4.11	7209.08	1000.04	0.24
Reach-1	80	PF 1	29500.00	331.00	340.45		340.72	0.002908	4.12	7205.16	1036.12	0.24
Reach-1	70	PF 1	29500.00	329.80	339.28		339.50	0.002975	3.76	7799.26	1156.97	0.22
Reach-1	60	PF 1	29500.00	329.80	339.21		339.43	0.003037	3.63	7955.90	1166.75	0.21
Reach-1	50	PF 1	29500.00	326.00	337.28		337.62	0.004460	5.39	6378.49	1064.31	0.31

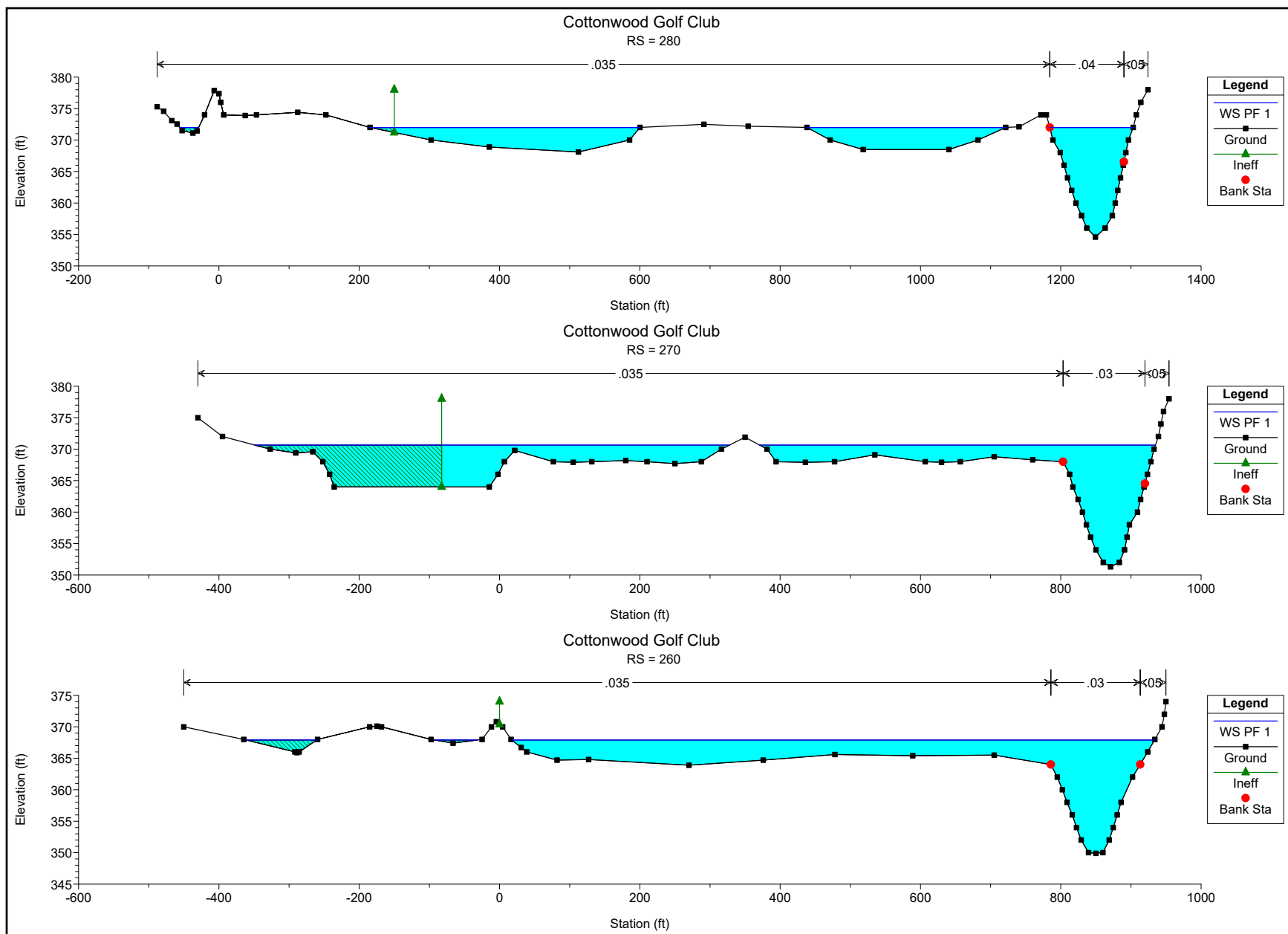
HEC-RAS Plan: PC Phase 1 River: RIVER-1 Reach: Reach-1 Profile: PF 1 (Continued)

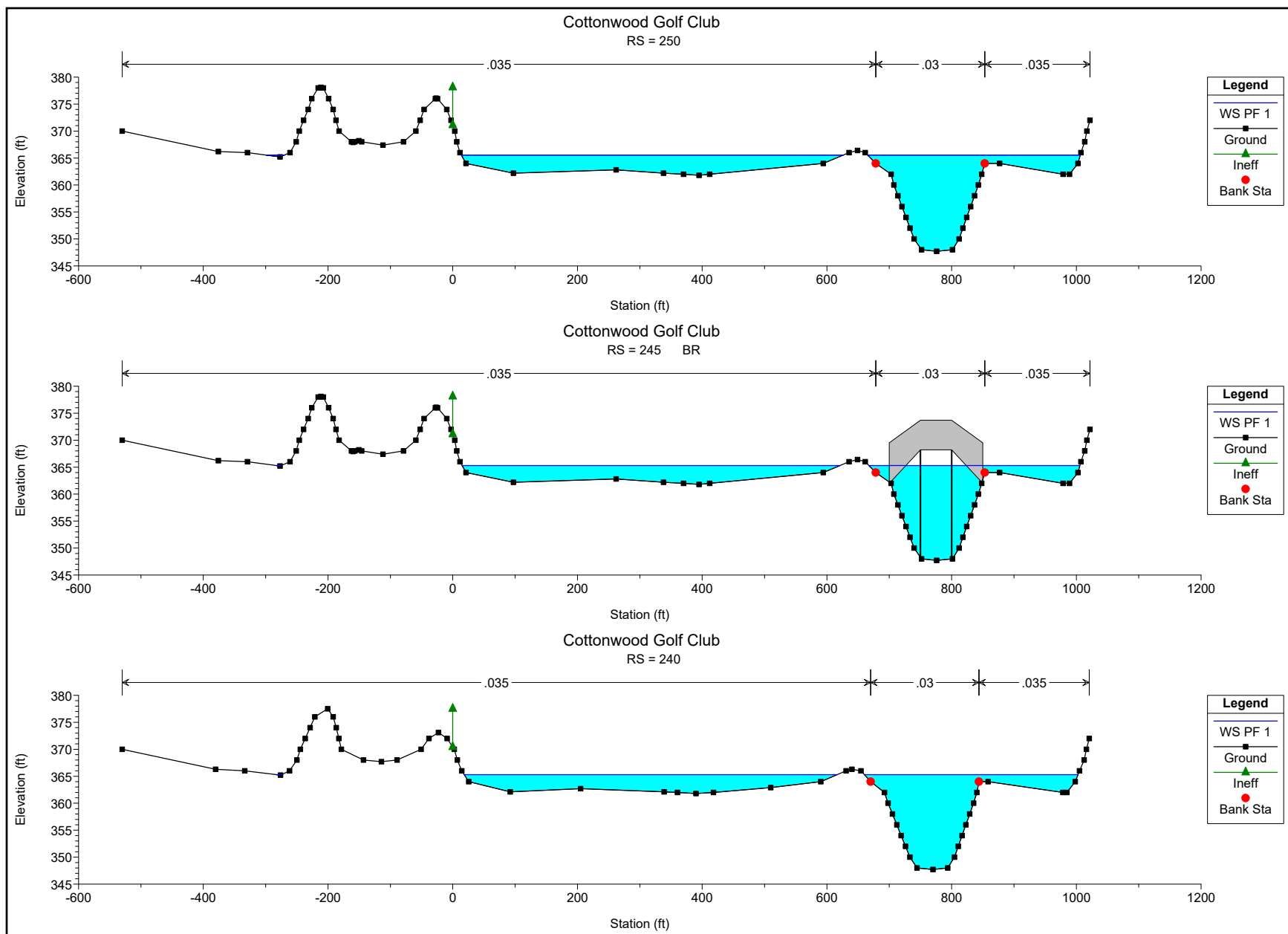
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	40	PF 1	29500.00	324.00	335.63		335.91	0.002460	4.55	7081.80	1096.53	0.27
Reach-1	30	PF 1	29500.00	324.00	334.80		335.01	0.001108	2.70	8251.28	1142.26	0.16
Reach-1	20	PF 1	29500.00	324.00	333.91		334.32	0.001881	4.77	5746.74	1011.29	0.34
Reach-1	10	PF 1	29500.00	324.00	333.75		334.26	0.002611	5.83	5166.49	1069.62	0.40
Reach-1	5	PF 1	29500.00	321.10	330.28	328.76	330.93	0.004294	10.82	5598.21	1123.72	0.68

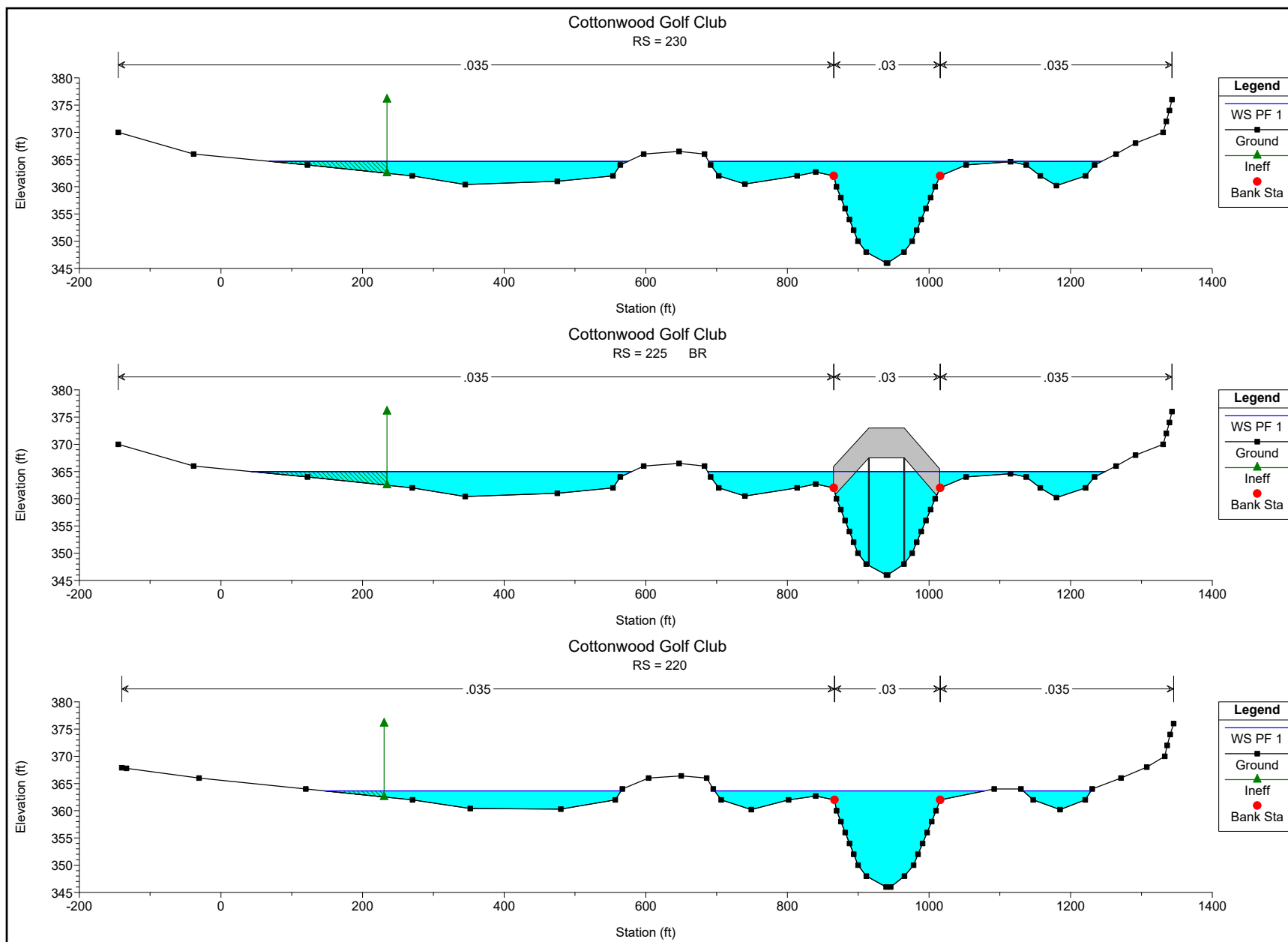


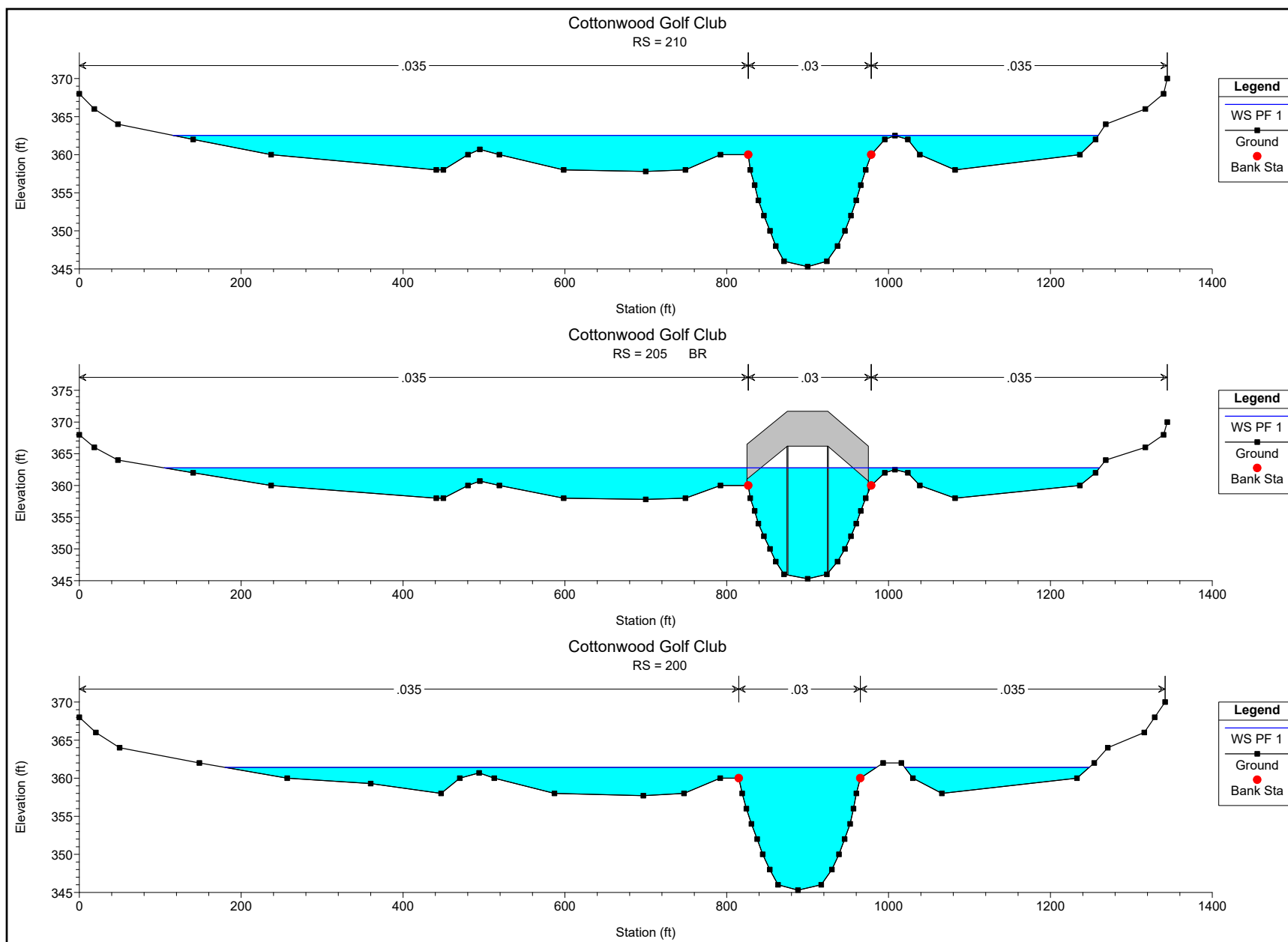


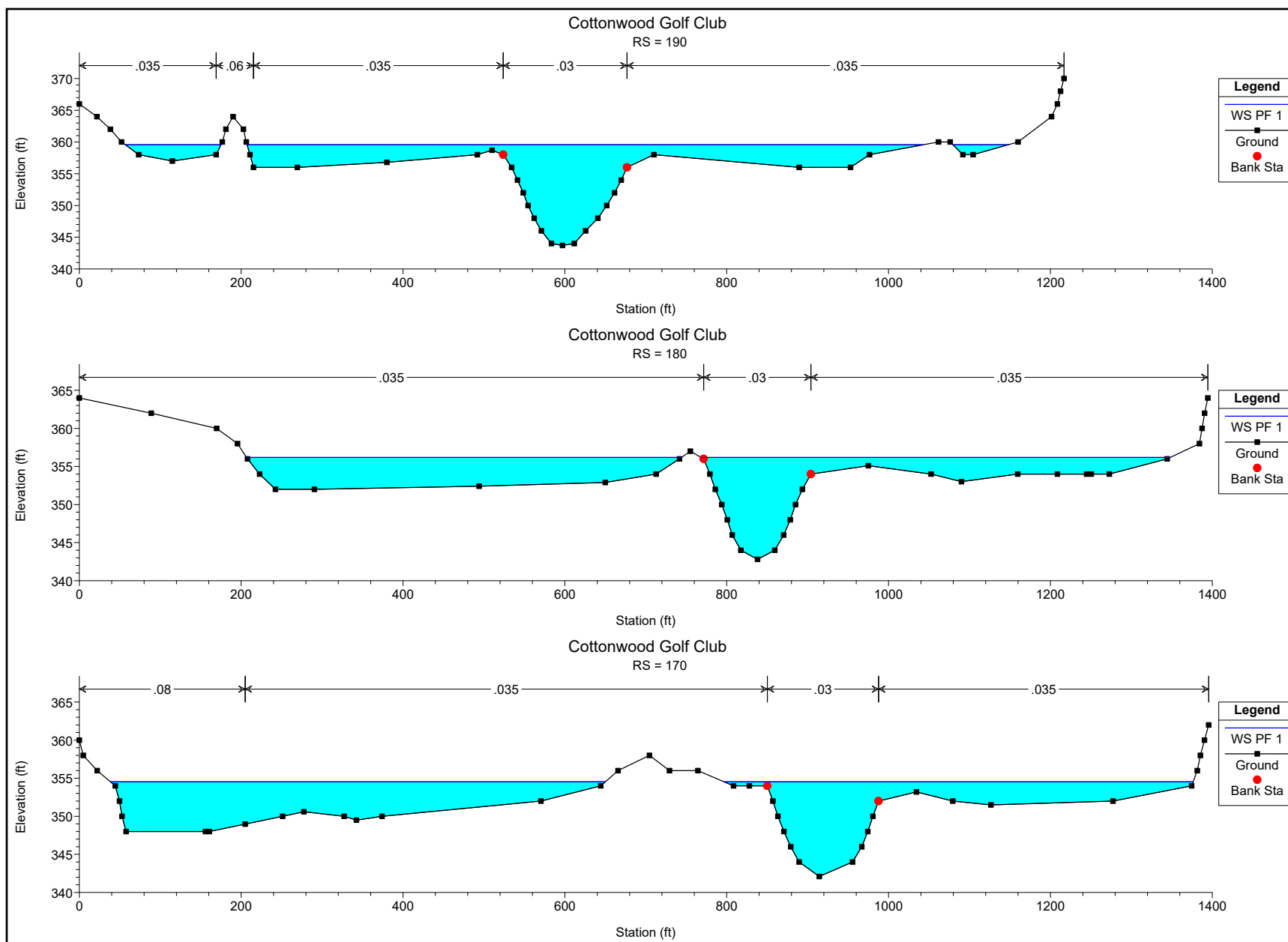


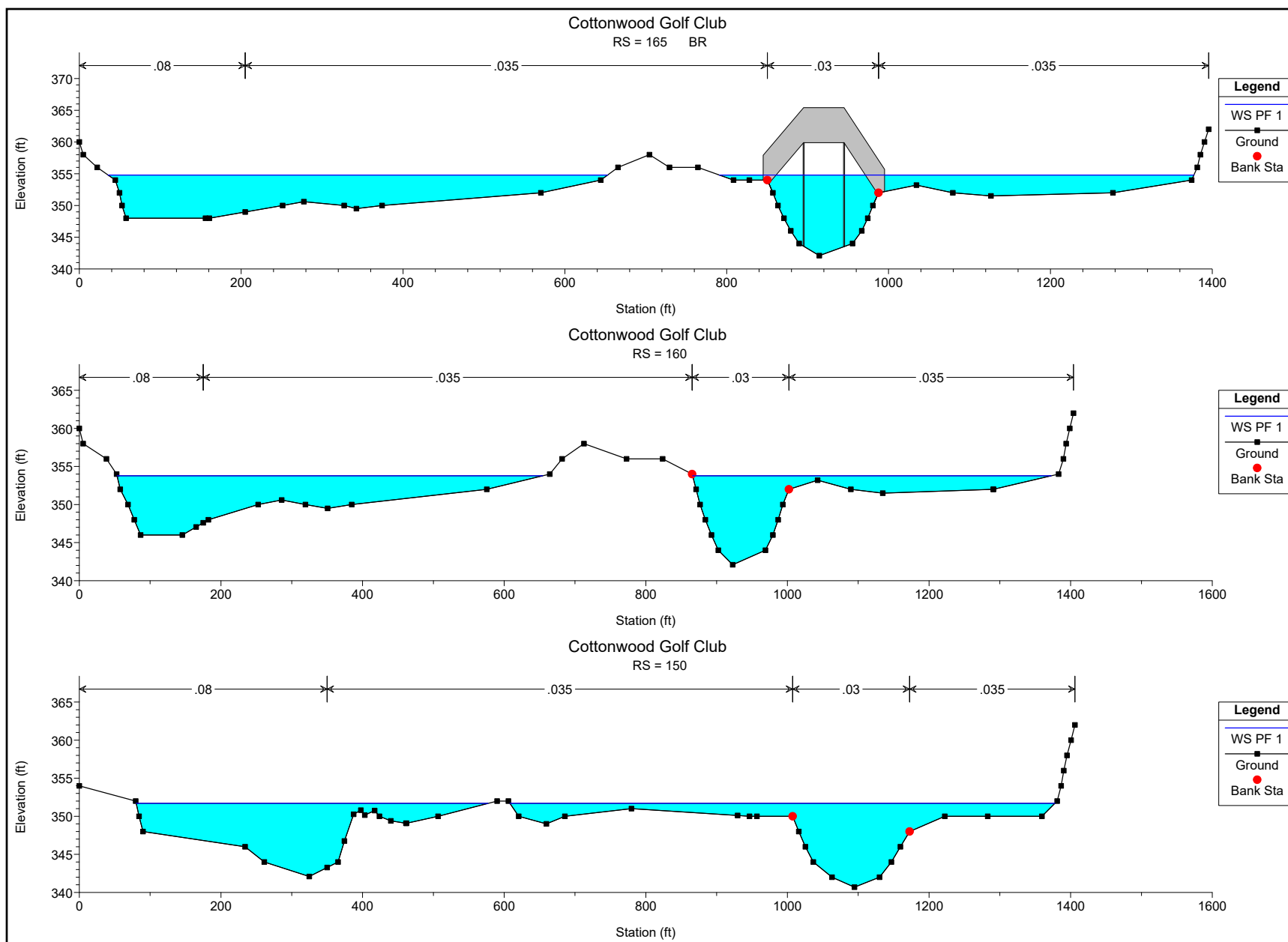


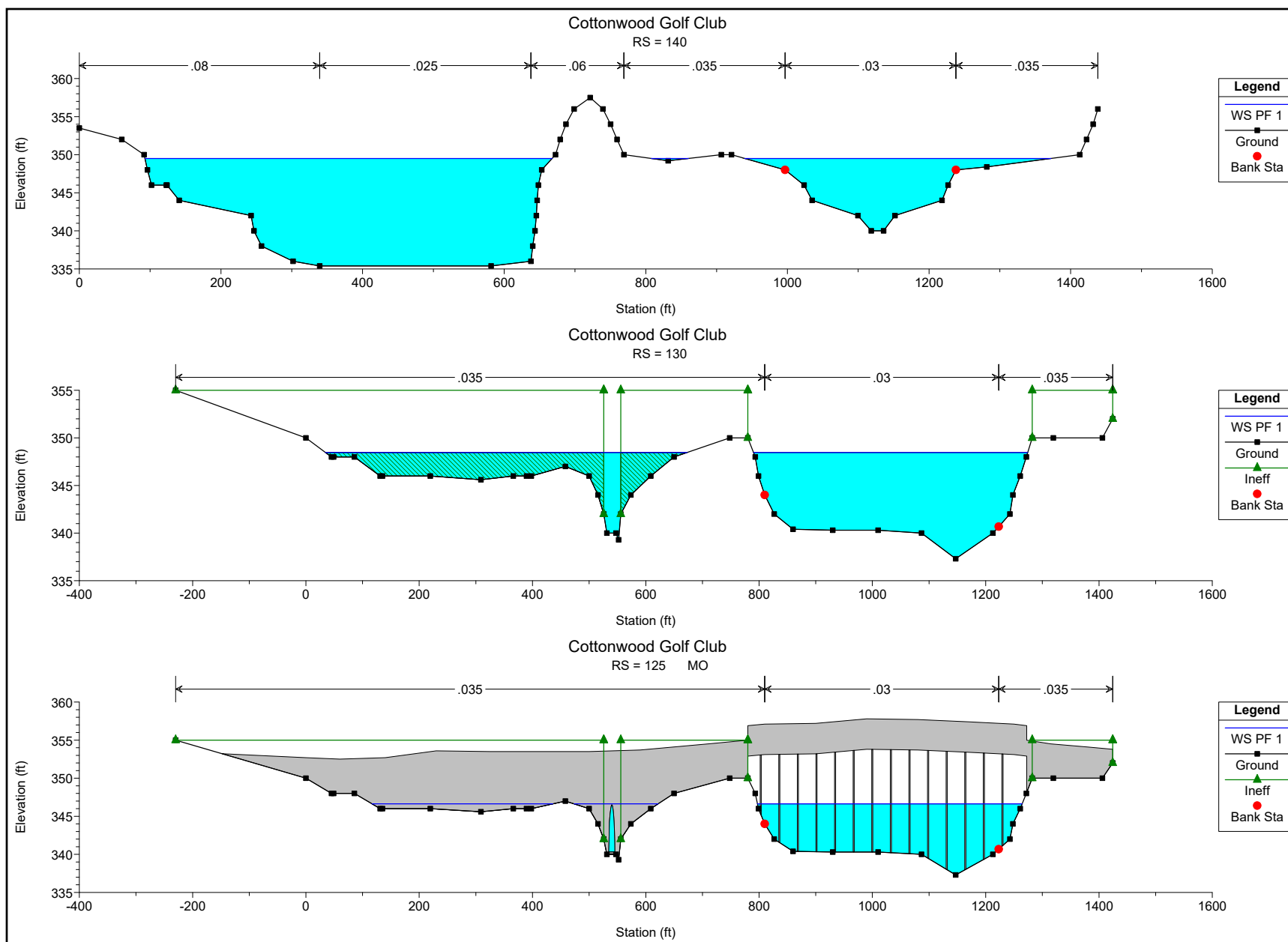


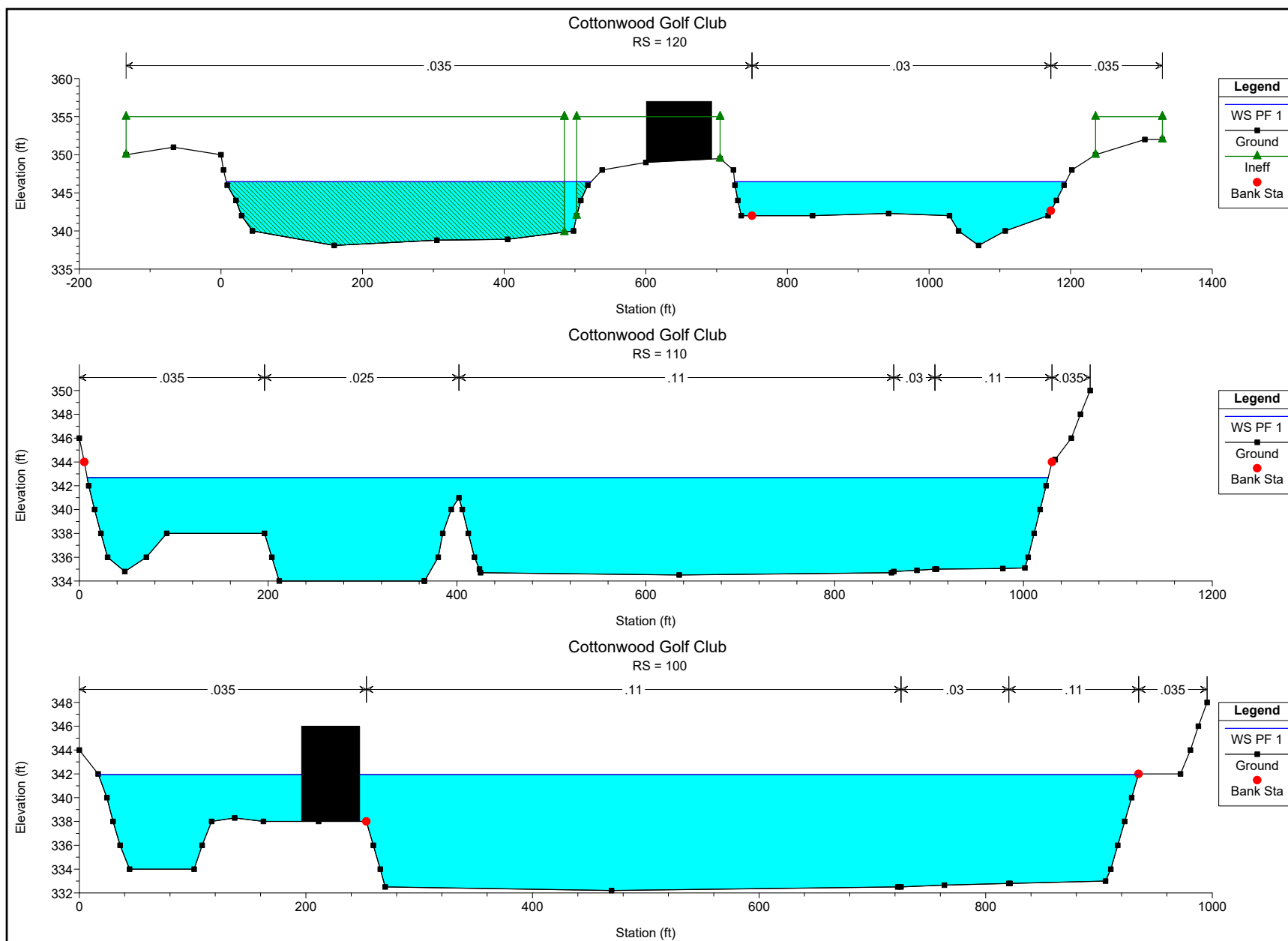


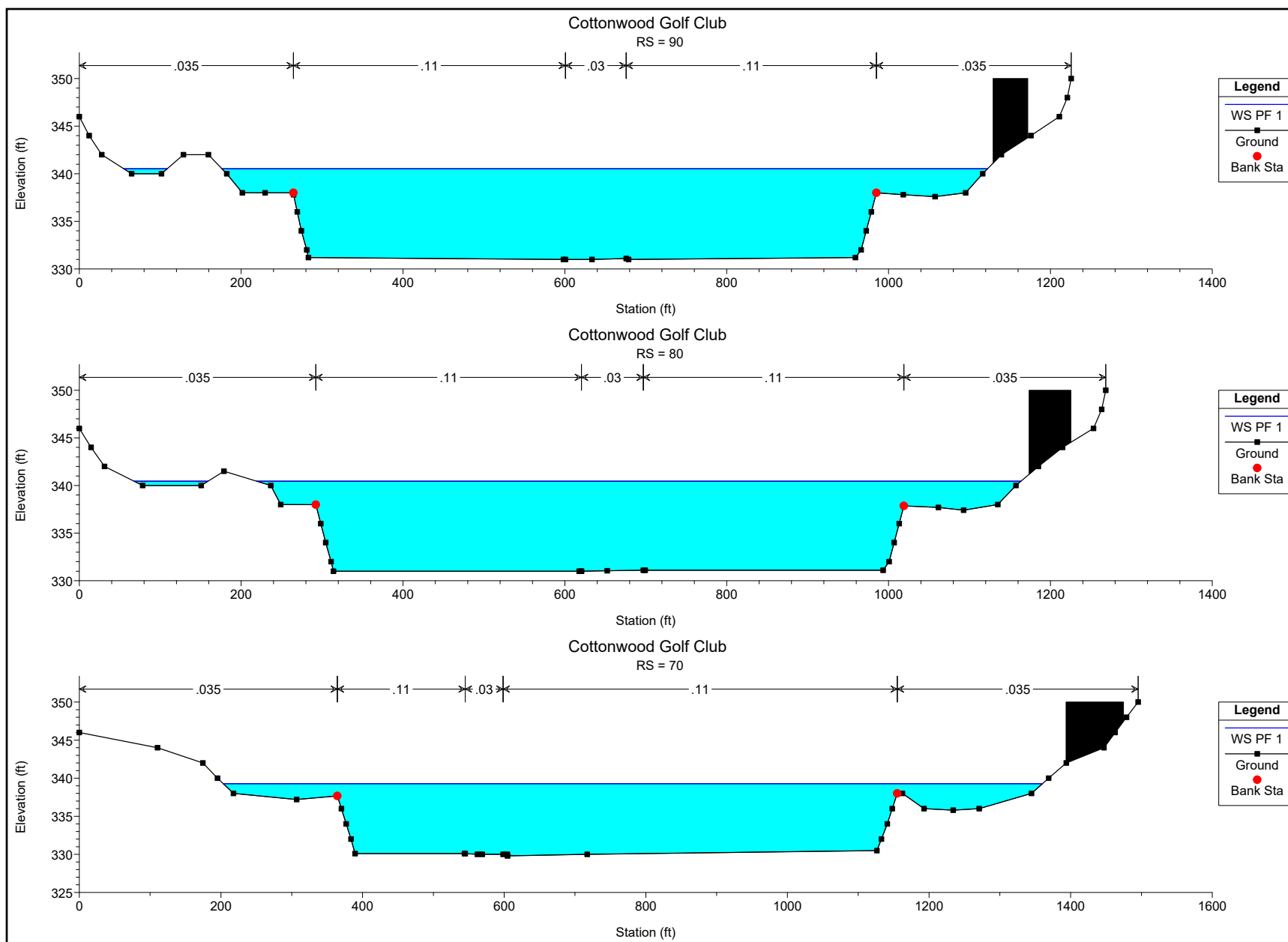


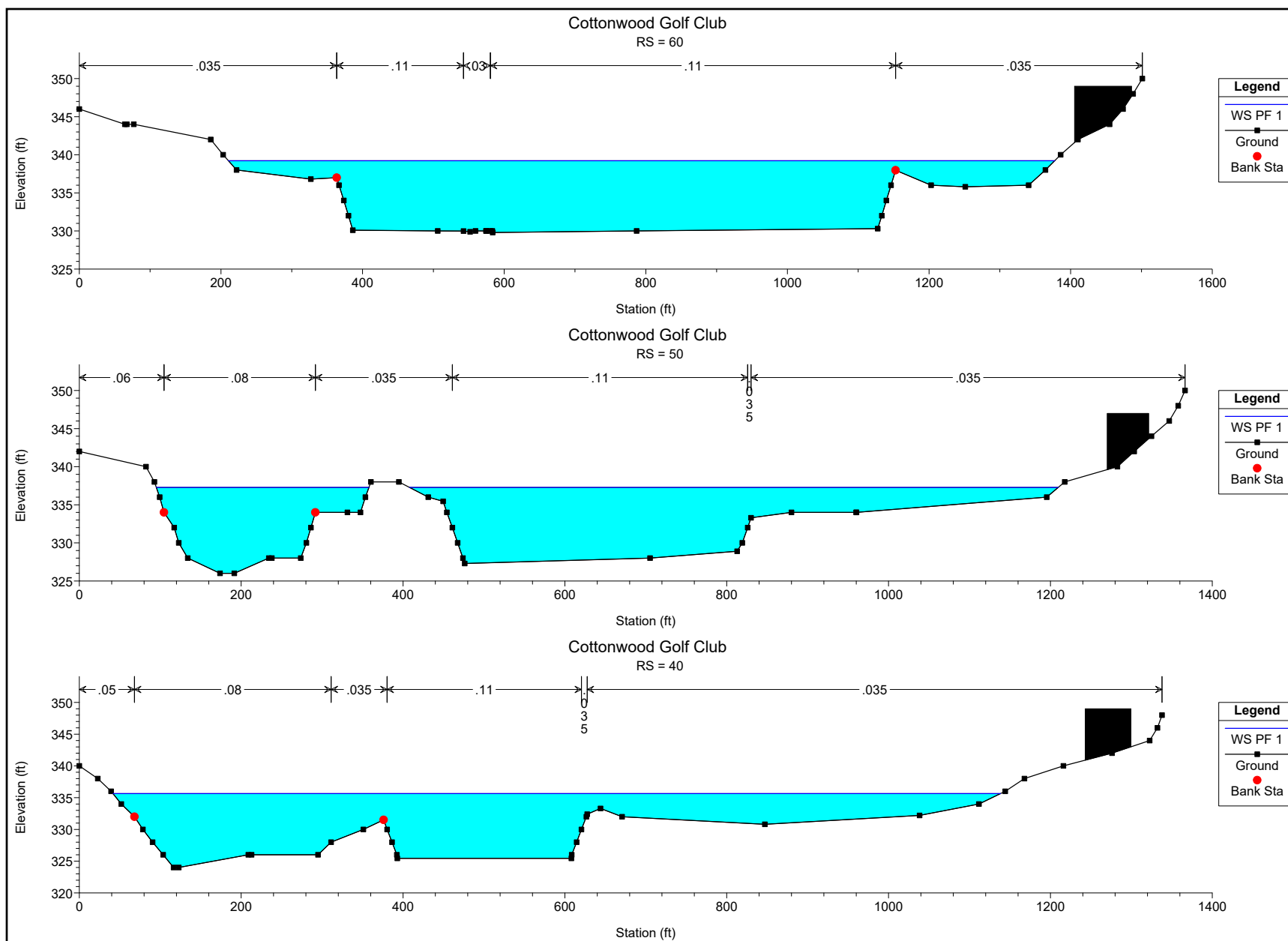


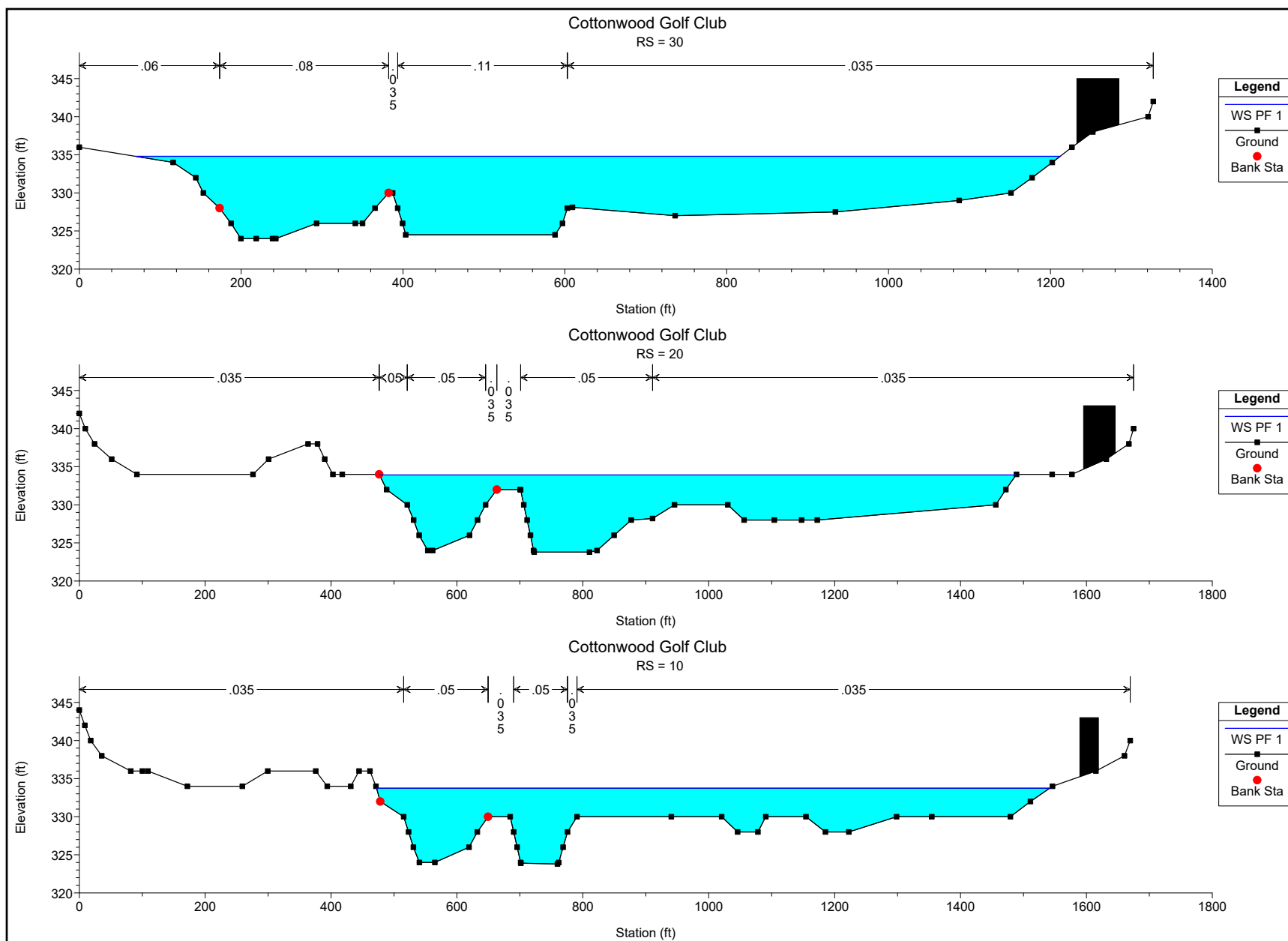


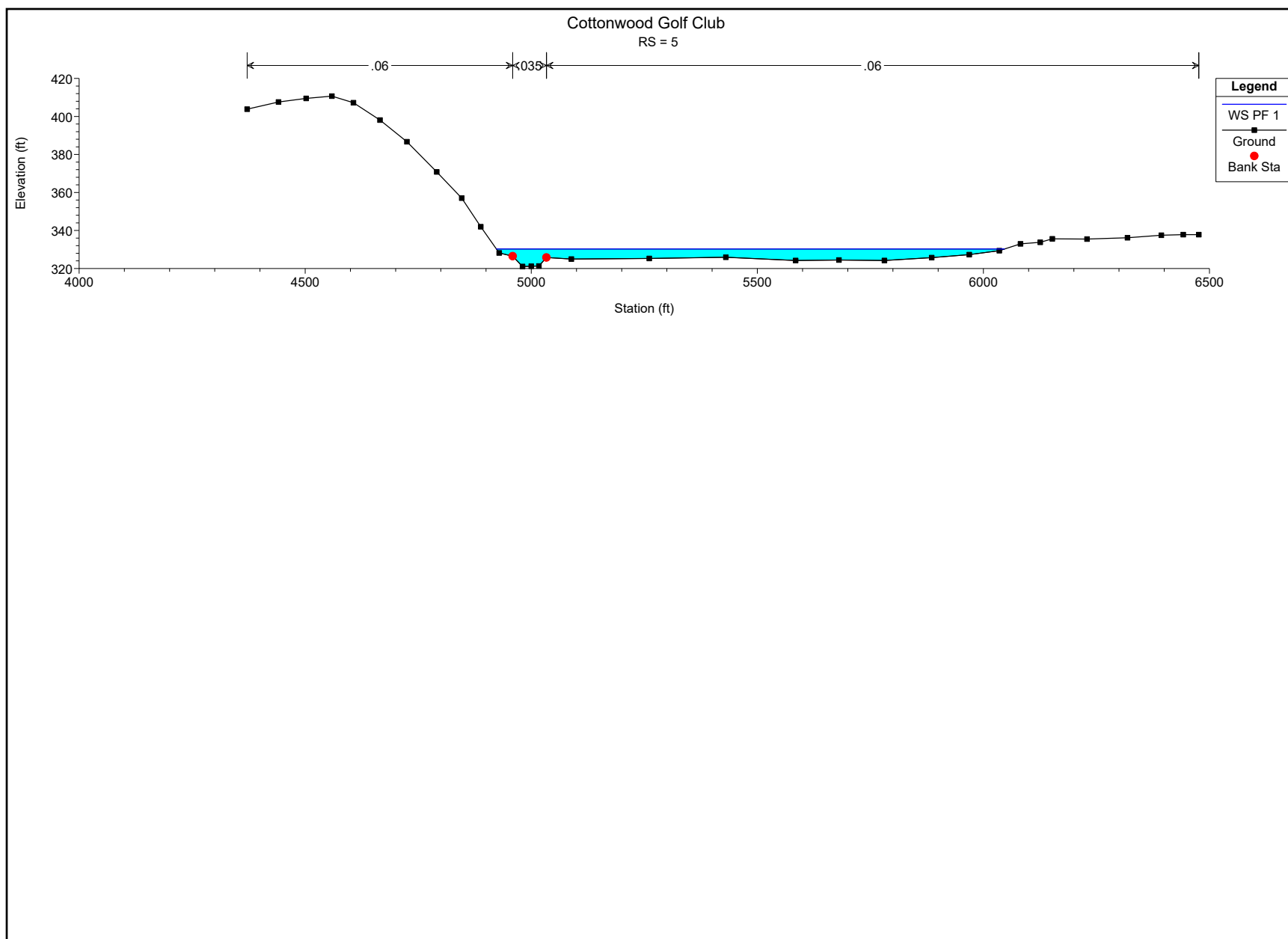












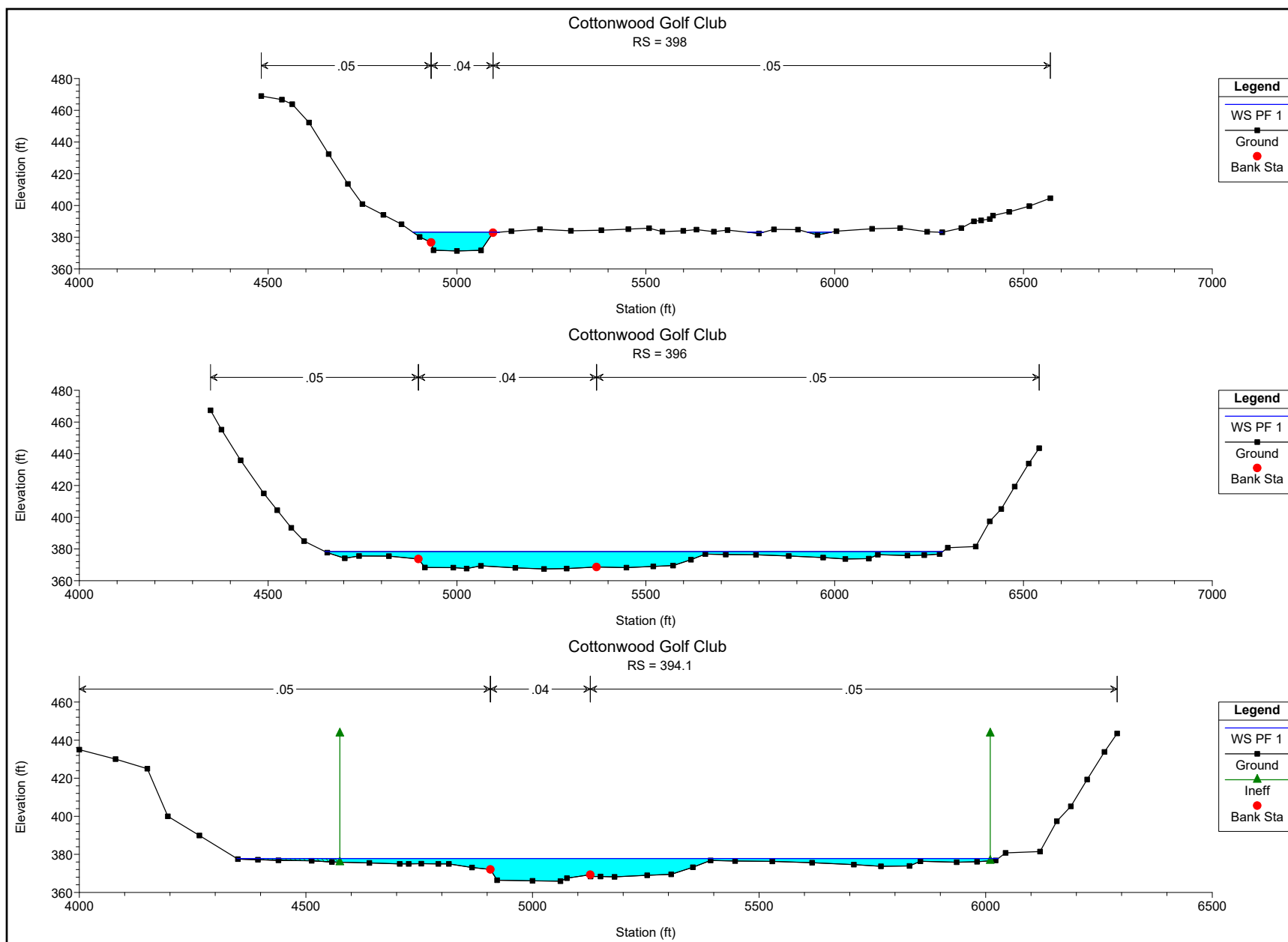
Mining Phase 2

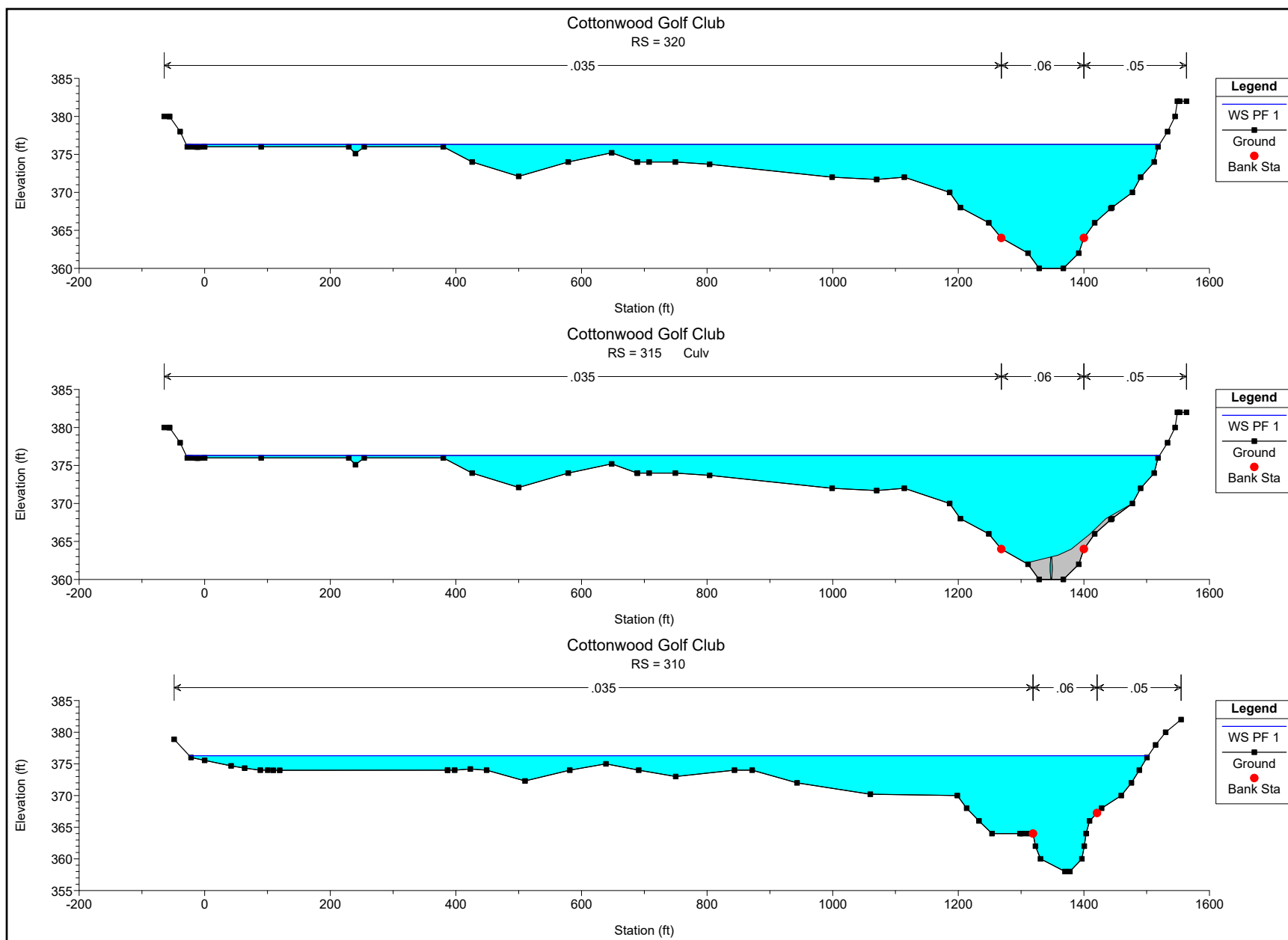
HEC-RAS Plan: PC Phase 2 River: RIVER-1 Reach: Reach-1 Profile: PF 1

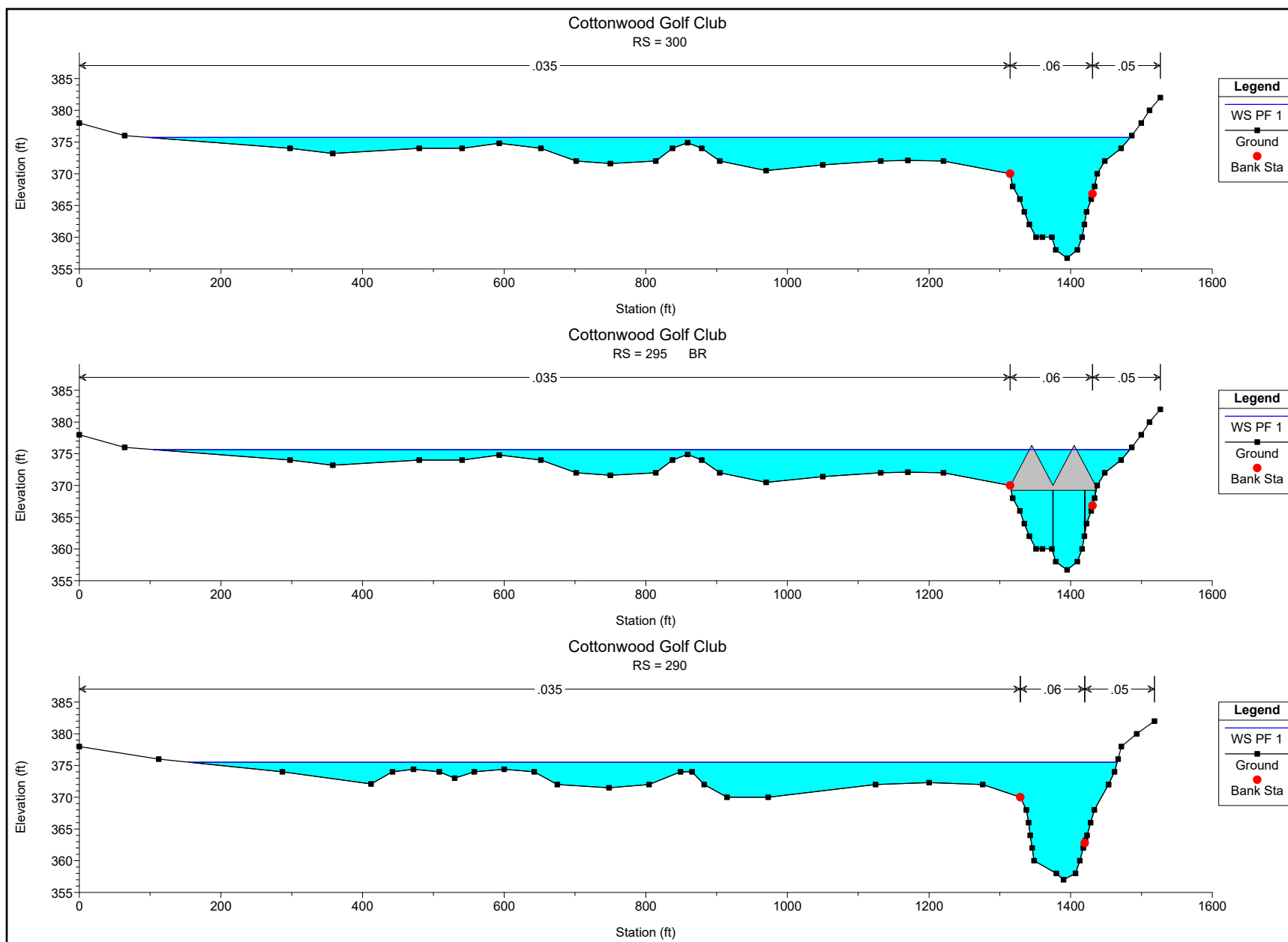
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	398	PF 1	29500.00	371.30	383.17	383.17	387.25	0.008936	16.52	1955.33	346.72	0.90
Reach-1	396	PF 1	29500.00	367.40	378.38		378.59	0.000584	4.20	9721.67	1635.85	0.23
Reach-1	394.1	PF 1	29500.00	365.90	377.81		378.32	0.001542	7.14	6838.40	1679.65	0.38
Reach-1	320	PF 1	29500.00	360.00	376.30	371.89	376.73	0.001952	6.59	6279.88	1549.75	0.30
Reach-1	315		Culvert									
Reach-1	310	PF 1	29500.00	358.00	376.28		376.58	0.001332	5.57	7123.00	1526.89	0.25
Reach-1	300	PF 1	29500.00	356.70	375.73	374.22	376.36	0.003003	7.94	5237.41	1389.15	0.37
Reach-1	295		Bridge									
Reach-1	290	PF 1	29500.00	357.00	375.52		376.15	0.003116	8.26	5088.77	1311.24	0.37
Reach-1	280	PF 1	29500.00	354.60	372.00	372.00	374.39	0.006896	15.00	2918.15	813.73	0.79
Reach-1	270	PF 1	29500.00	351.30	370.66	370.66	372.55	0.002422	13.13	3851.40	1241.65	0.64
Reach-1	260	PF 1	29500.00	349.90	367.90	367.90	369.70	0.002600	12.88	3797.93	1077.01	0.66
Reach-1	250	PF 1	29500.00	347.70	365.45	364.94	366.95	0.001994	11.11	3999.68	969.47	0.58
Reach-1	245		Bridge									
Reach-1	240	PF 1	29500.00	347.70	365.17	364.86	366.84	0.002206	11.59	3803.53	935.87	0.60
Reach-1	230	PF 1	29500.00	346.00	364.37	363.81	366.11	0.002020	11.89	3721.92	994.34	0.59
Reach-1	225		Bridge									
Reach-1	220	PF 1	29500.00	346.00	363.65	363.65	365.71	0.002465	12.78	3291.45	896.21	0.64
Reach-1	210	PF 1	29500.00	345.00	356.97		357.29	0.002732	4.55	6483.13	588.28	0.24
Reach-1	200	PF 1	29500.00	345.00	356.90		357.23	0.002830	4.61	6397.23	578.25	0.24
Reach-1	190	PF 1	29500.00	344.00	355.37		355.81	0.003686	5.27	5619.94	589.24	0.29
Reach-1	180	PF 1	29500.00	343.20	354.12		354.41	0.003137	4.33	6933.46	926.23	0.24
Reach-1	170	PF 1	29500.00	342.10	351.69		352.44	0.007351	7.00	4305.24	580.28	0.43
Reach-1	160	PF 1	29500.00	342.00	351.56	347.86	352.32	0.007737	7.08	4274.74	592.05	0.44
Reach-1	150	PF 1	29500.00	340.40	349.73		349.95	0.003184	3.84	8062.17	1158.98	0.23
Reach-1	140	PF 1	29500.00	338.00	349.44		349.66	0.000343	1.20	11684.50	1320.25	0.07
Reach-1	130	PF 1	29500.00	337.30	348.46	345.10	349.33	0.001372	7.64	4039.56	1122.09	0.46
Reach-1	125		Mult Open									
Reach-1	120	PF 1	29500.00	338.10	346.46	346.46	348.93	0.007768	12.80	2359.51	982.82	1.01
Reach-1	110	PF 1	29500.00	334.00	342.69		342.93	0.001323	3.97	7431.45	1017.85	0.26
Reach-1	100	PF 1	29500.00	332.20	341.94		342.22	0.002151	3.79	7249.99	866.61	0.22
Reach-1	90	PF 1	29500.00	331.00	340.53		340.79	0.002873	4.11	7209.08	1000.04	0.24
Reach-1	80	PF 1	29500.00	331.00	340.45		340.72	0.002908	4.12	7205.16	1036.12	0.24
Reach-1	70	PF 1	29500.00	329.80	339.28		339.50	0.002975	3.76	7799.26	1156.97	0.22
Reach-1	60	PF 1	29500.00	329.80	339.21		339.43	0.003037	3.63	7955.90	1166.75	0.21
Reach-1	50	PF 1	29500.00	326.00	337.28		337.62	0.004460	5.39	6378.49	1064.31	0.31
Reach-1	40	PF 1	29500.00	324.00	335.63		335.91	0.002460	4.55	7081.80	1096.53	0.27
Reach-1	30	PF 1	29500.00	324.00	334.80		335.01	0.001108	2.70	8251.28	1142.26	0.16

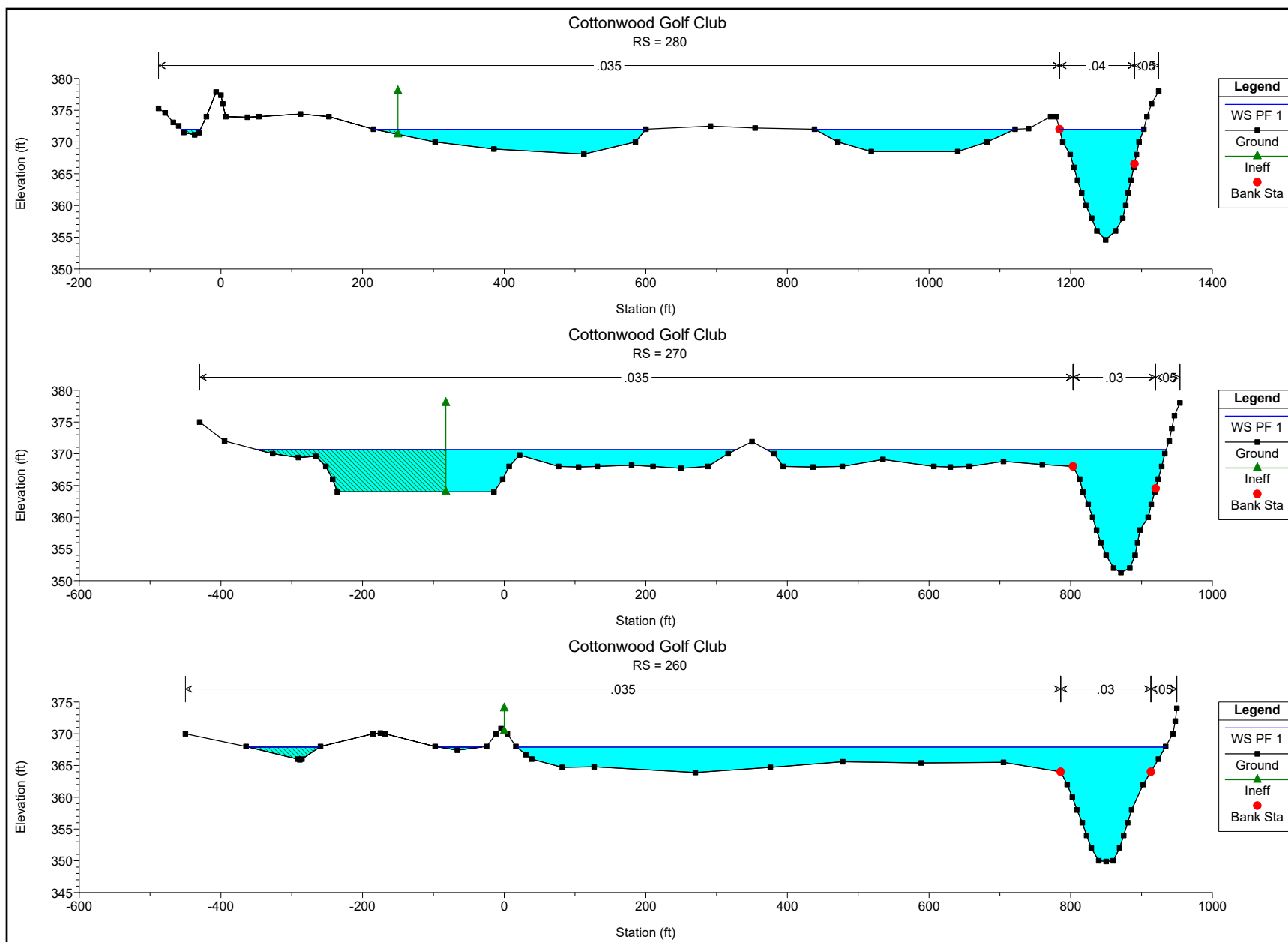
HEC-RAS Plan: PC Phase 2 River: RIVER-1 Reach: Reach-1 Profile: PF 1 (Continued)

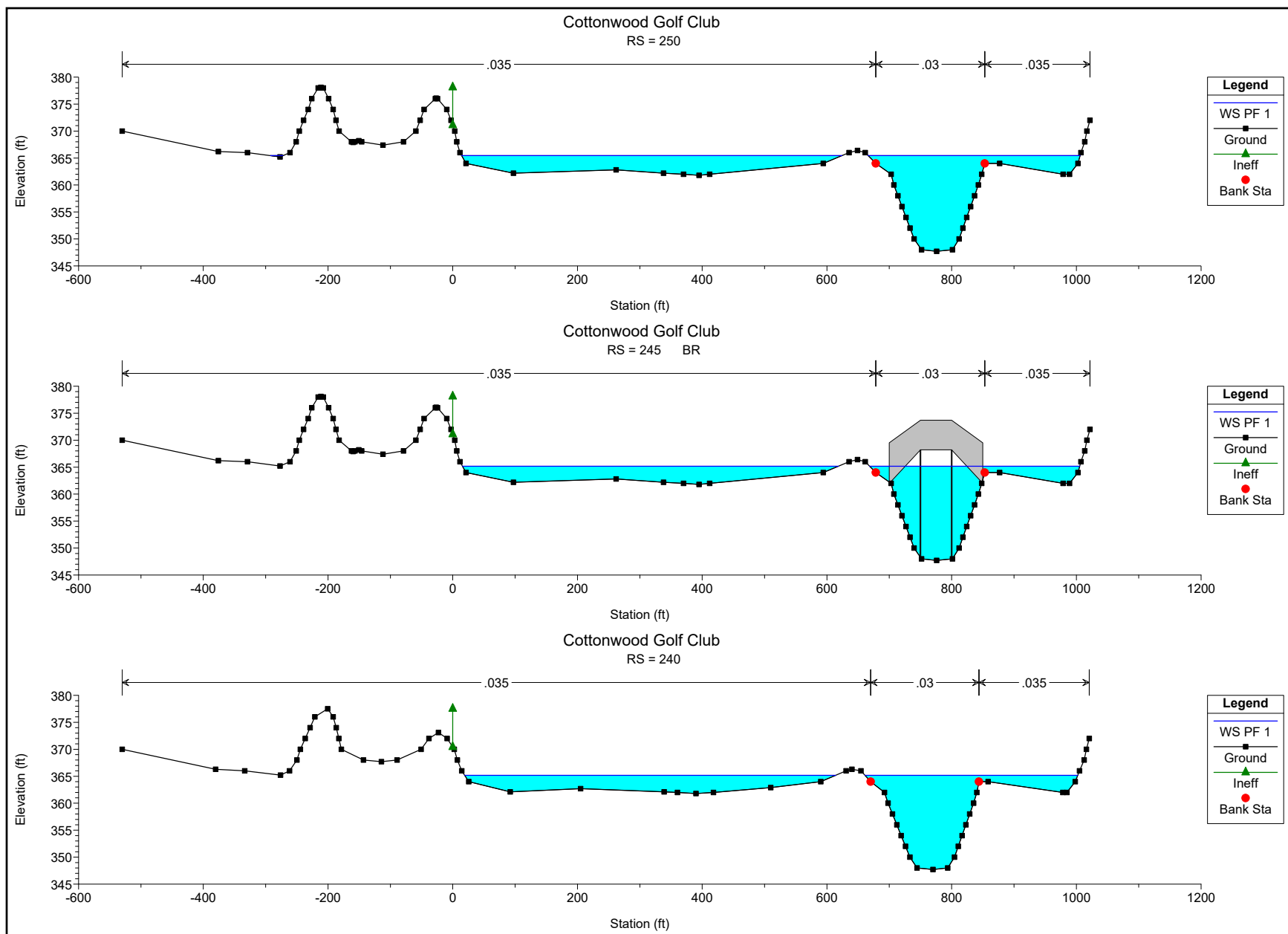
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	20	PF 1	29500.00	324.00	333.91		334.32	0.001881	4.77	5746.74	1011.29	0.34
Reach-1	10	PF 1	29500.00	324.00	333.75		334.26	0.002611	5.83	5166.49	1069.62	0.40
Reach-1	5	PF 1	29500.00	321.10	330.28	328.76	330.93	0.004294	10.82	5598.21	1123.72	0.68

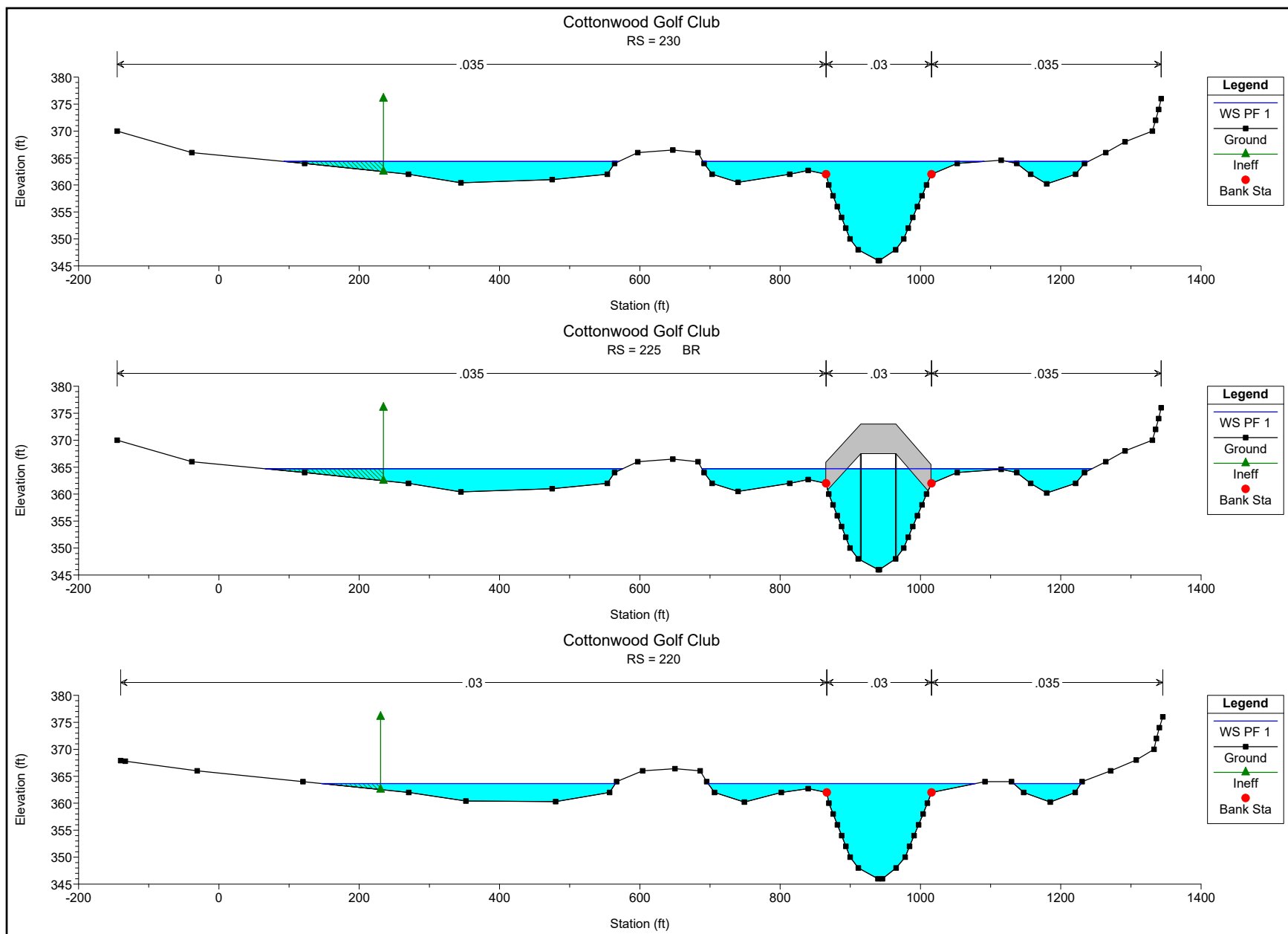


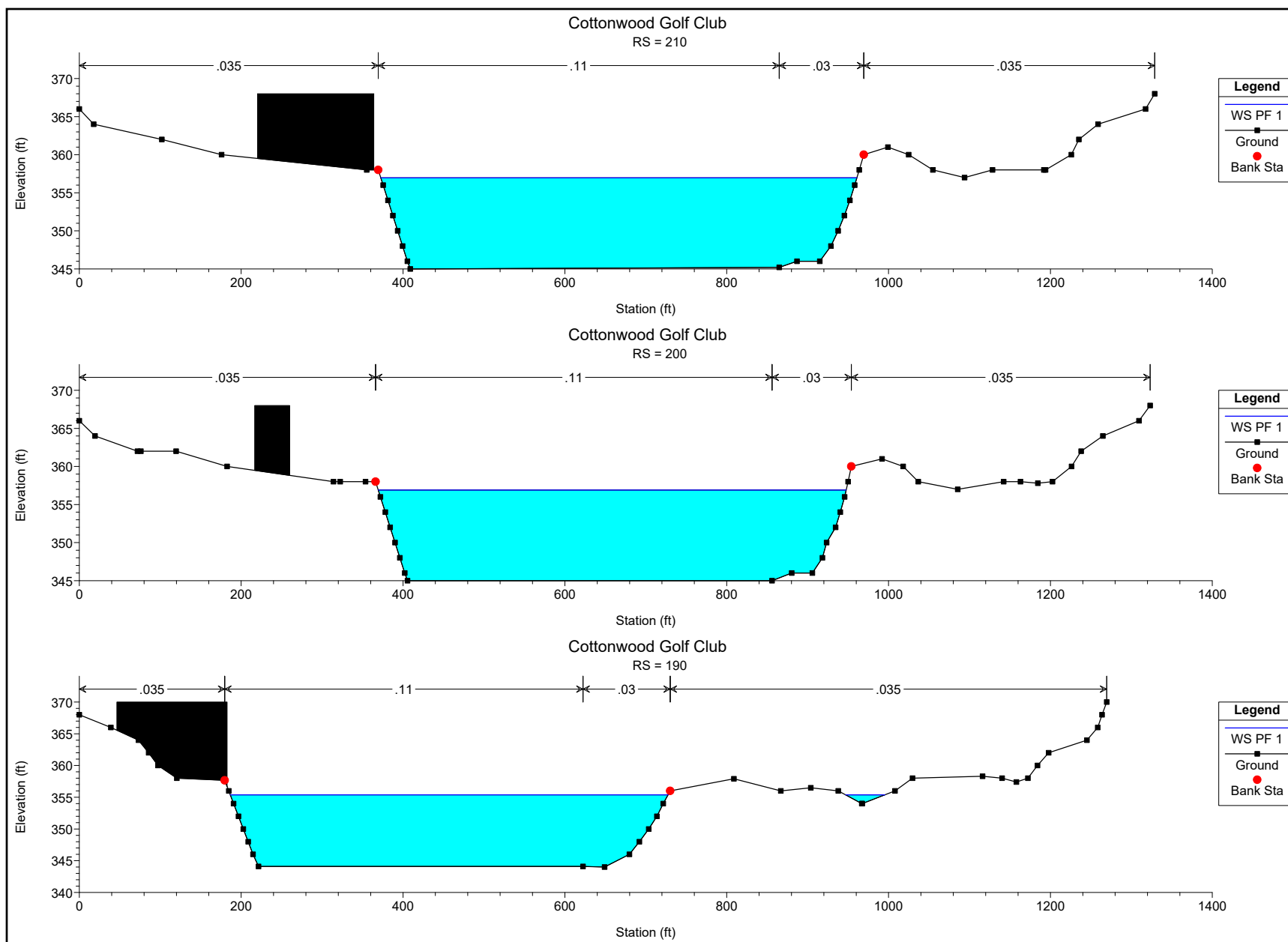


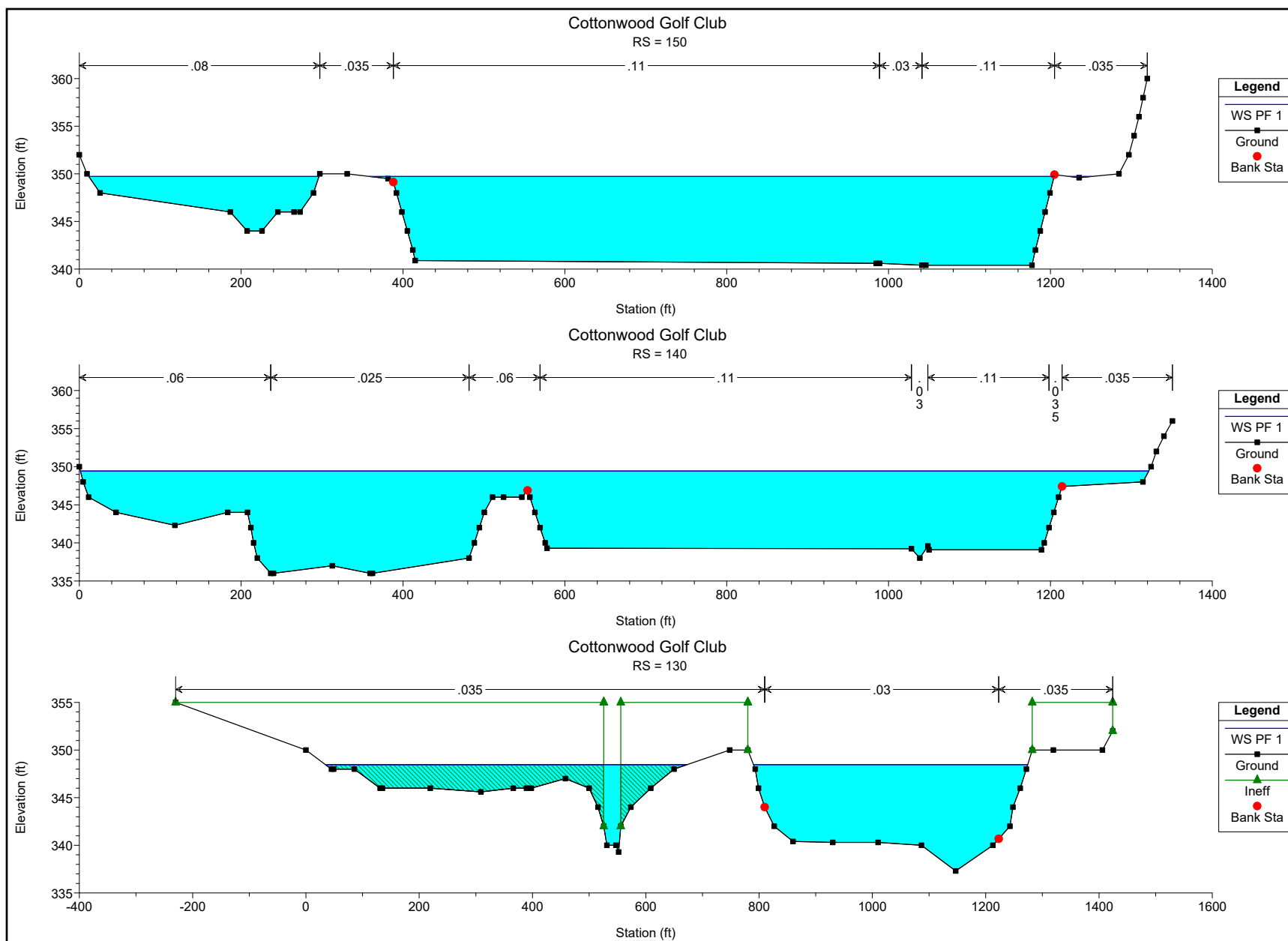


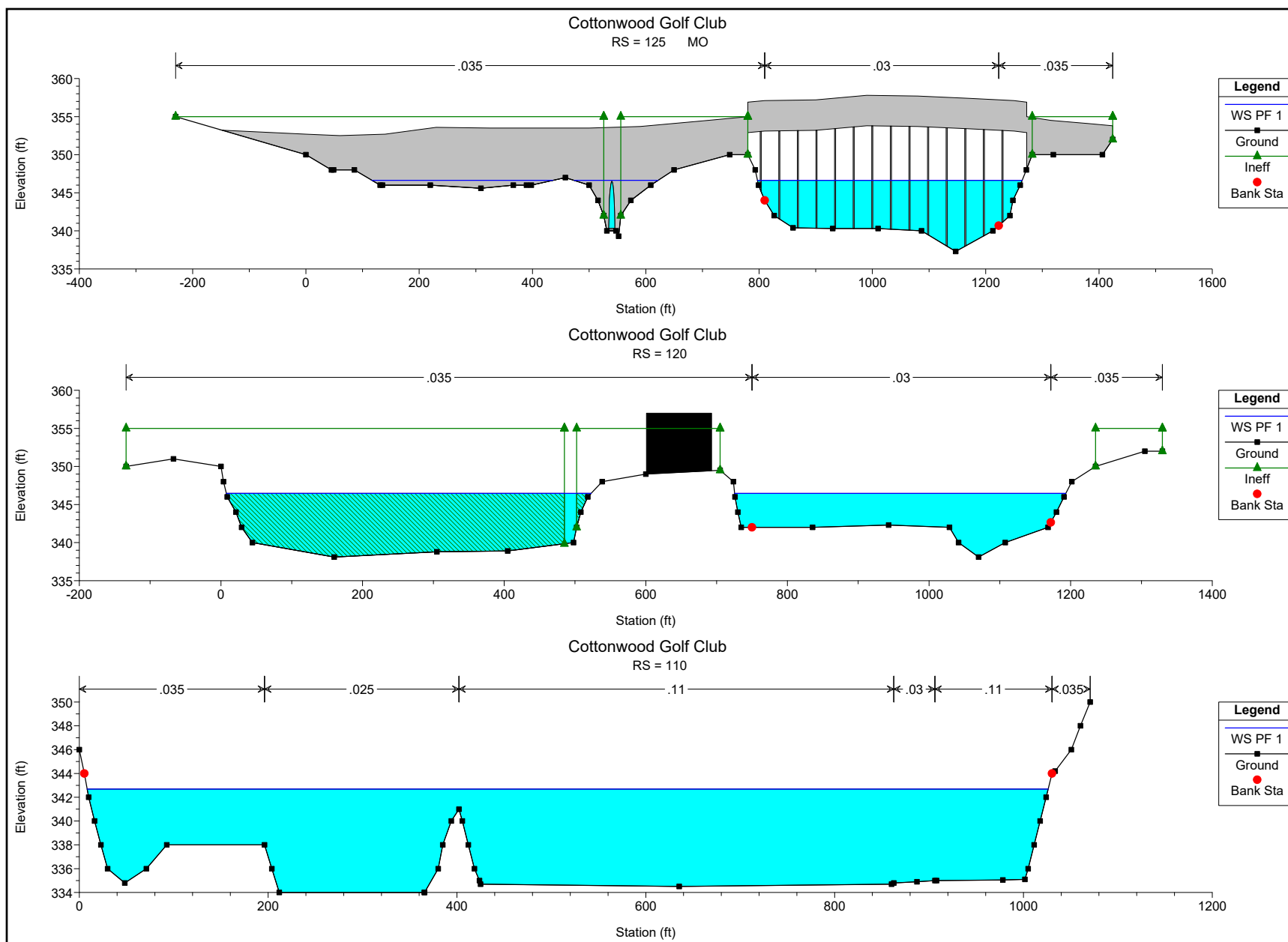


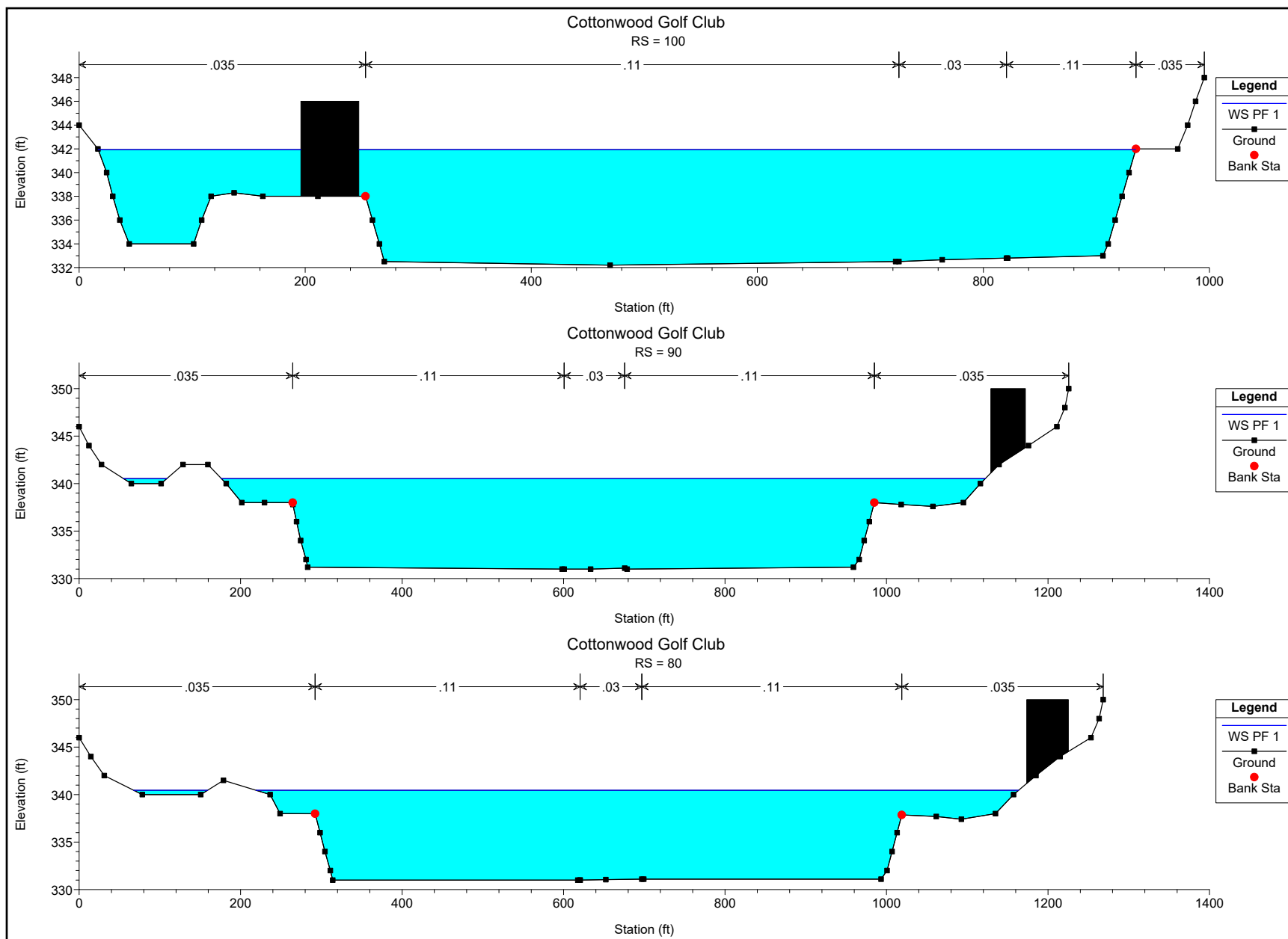


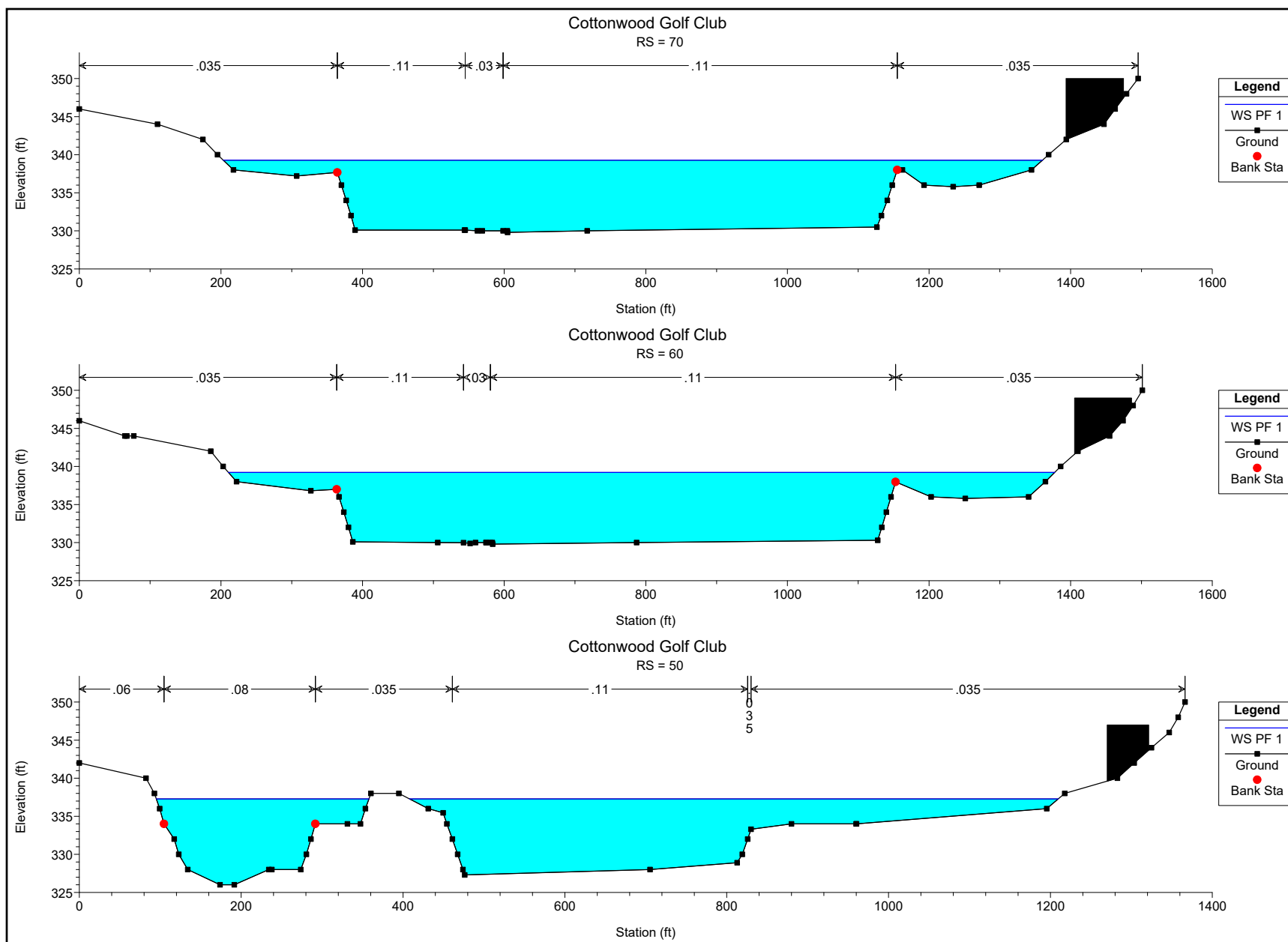


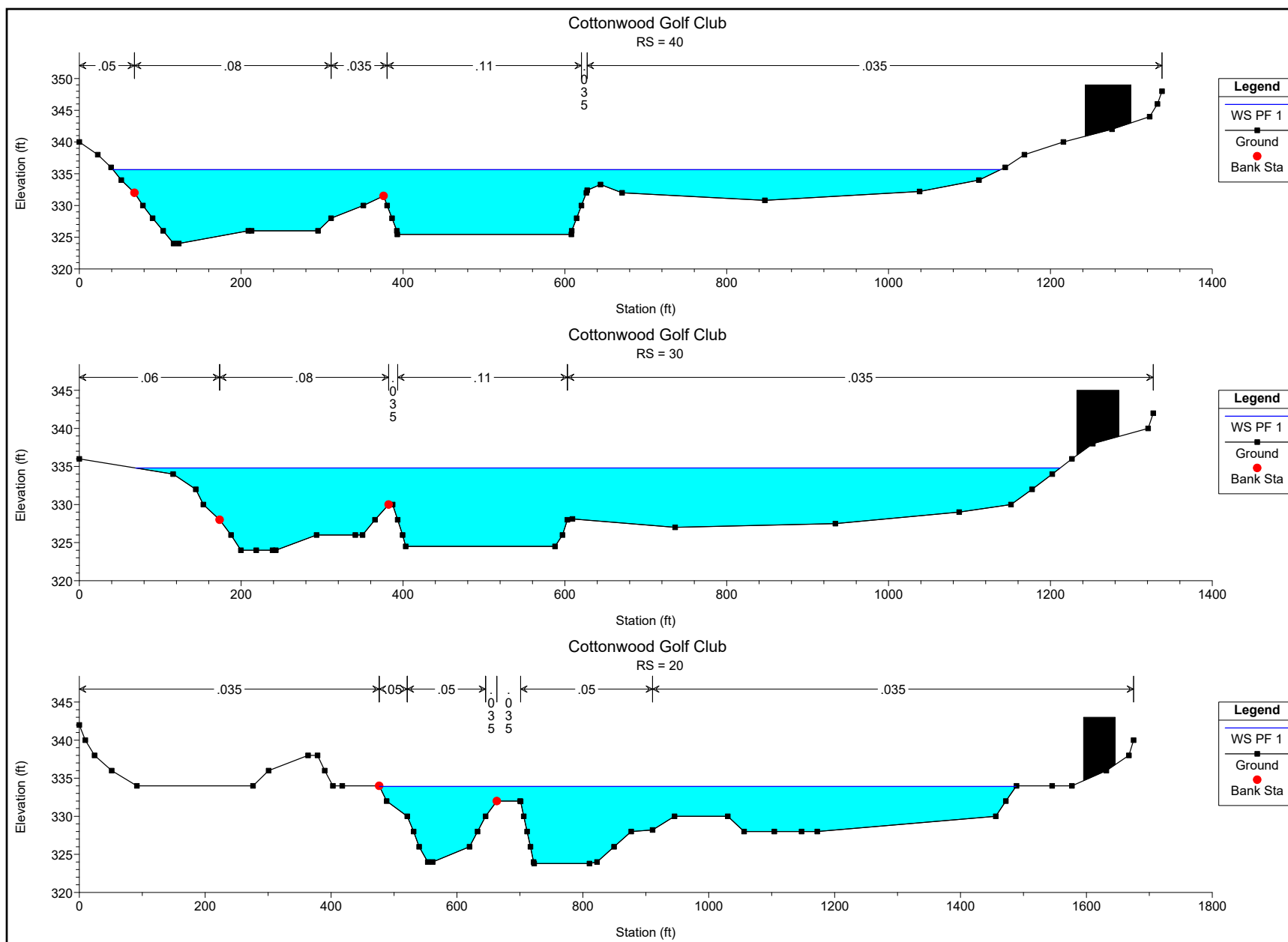


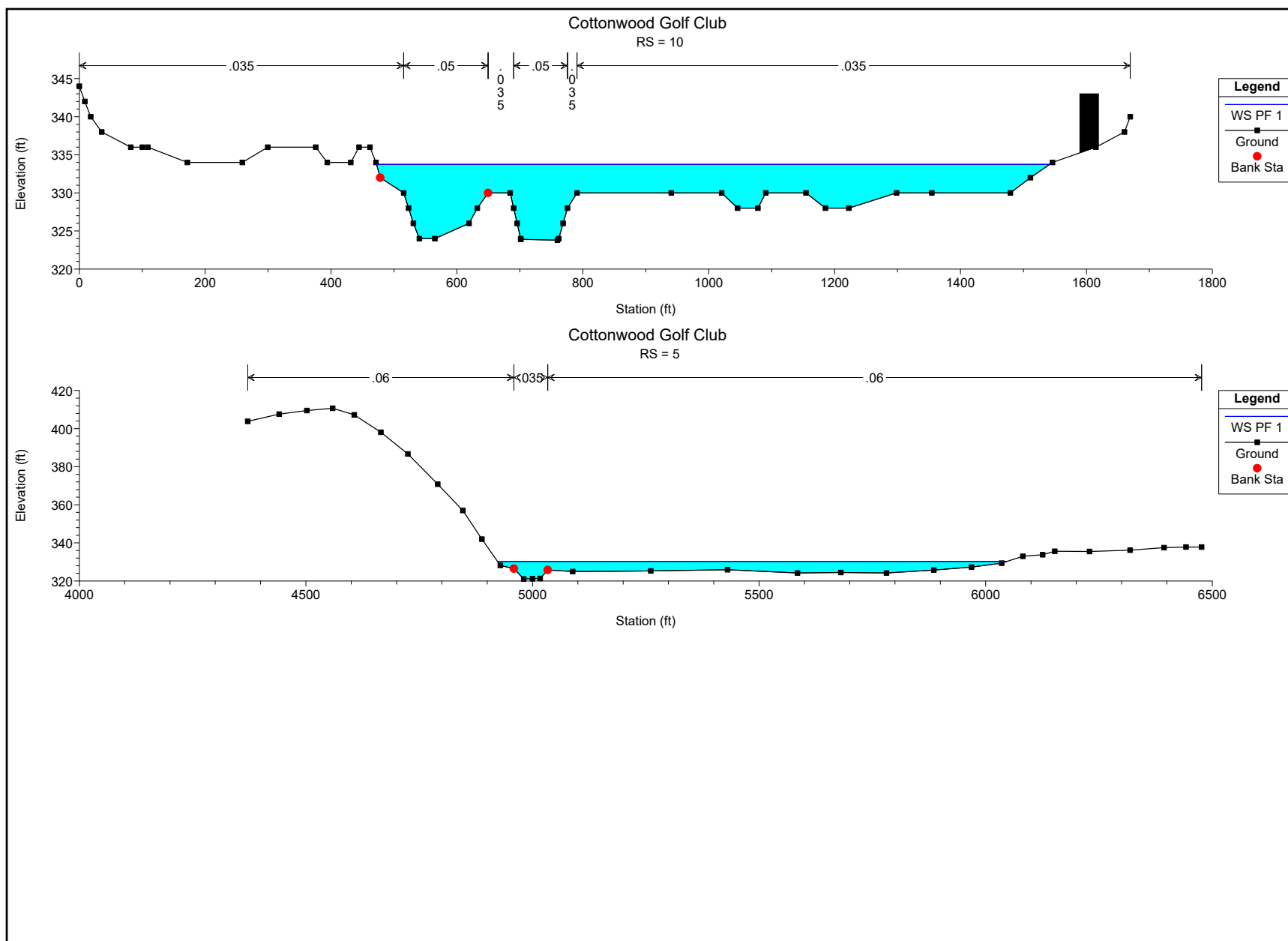












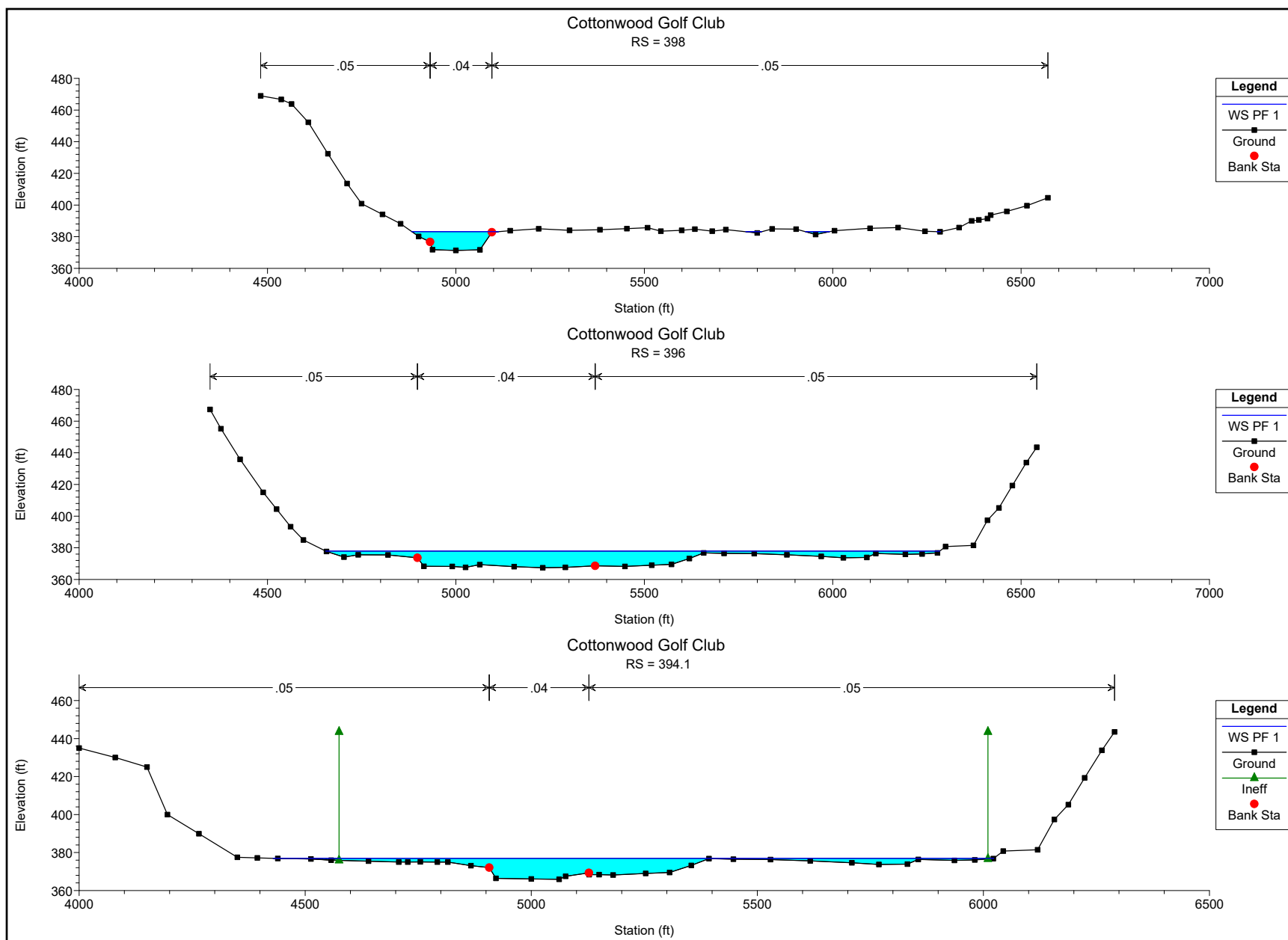
Mining Phase 3

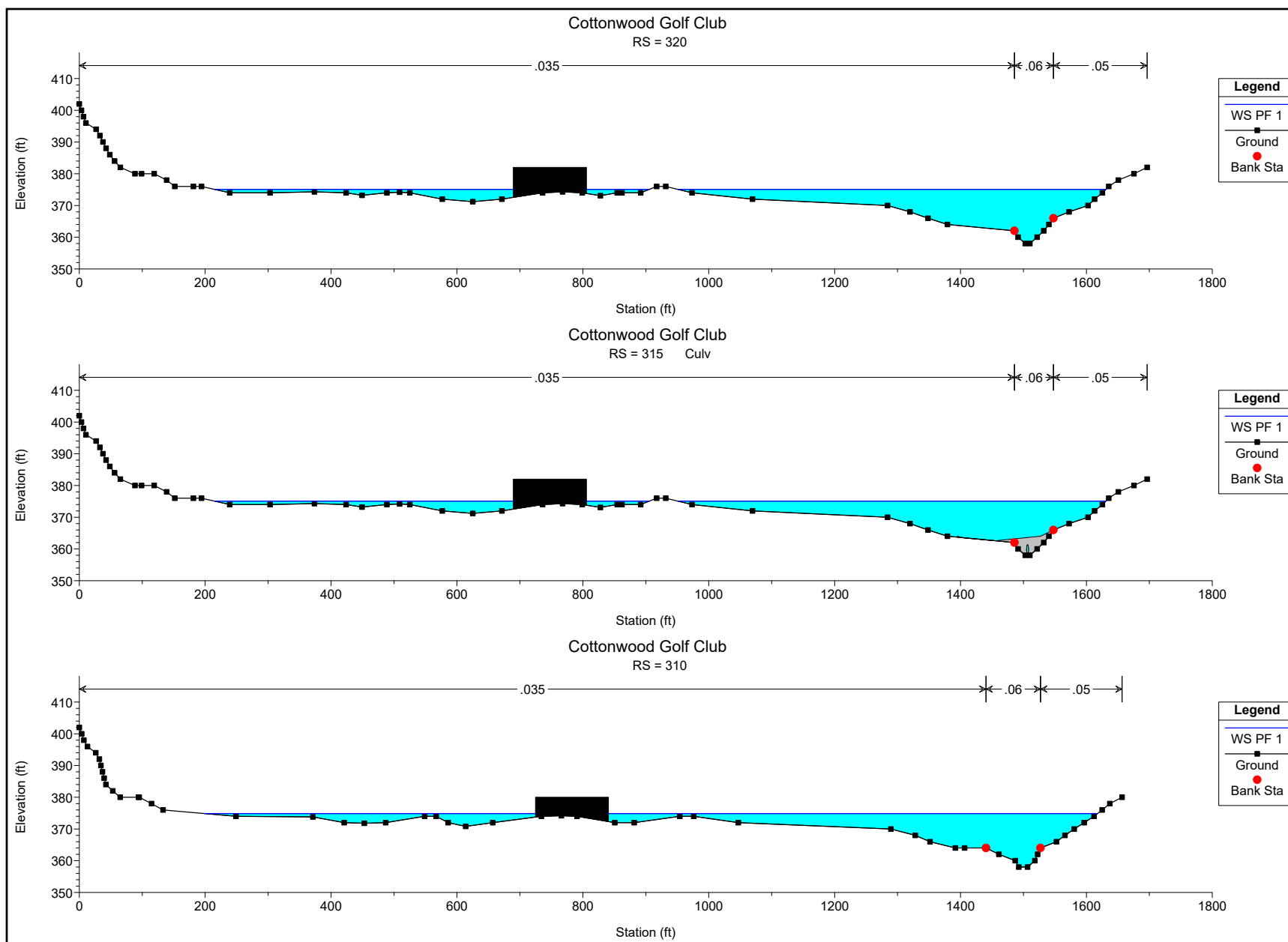
HEC-RAS Plan: PC Phase 3 River: RIVER-1 Reach: Reach-1 Profile: PF 1

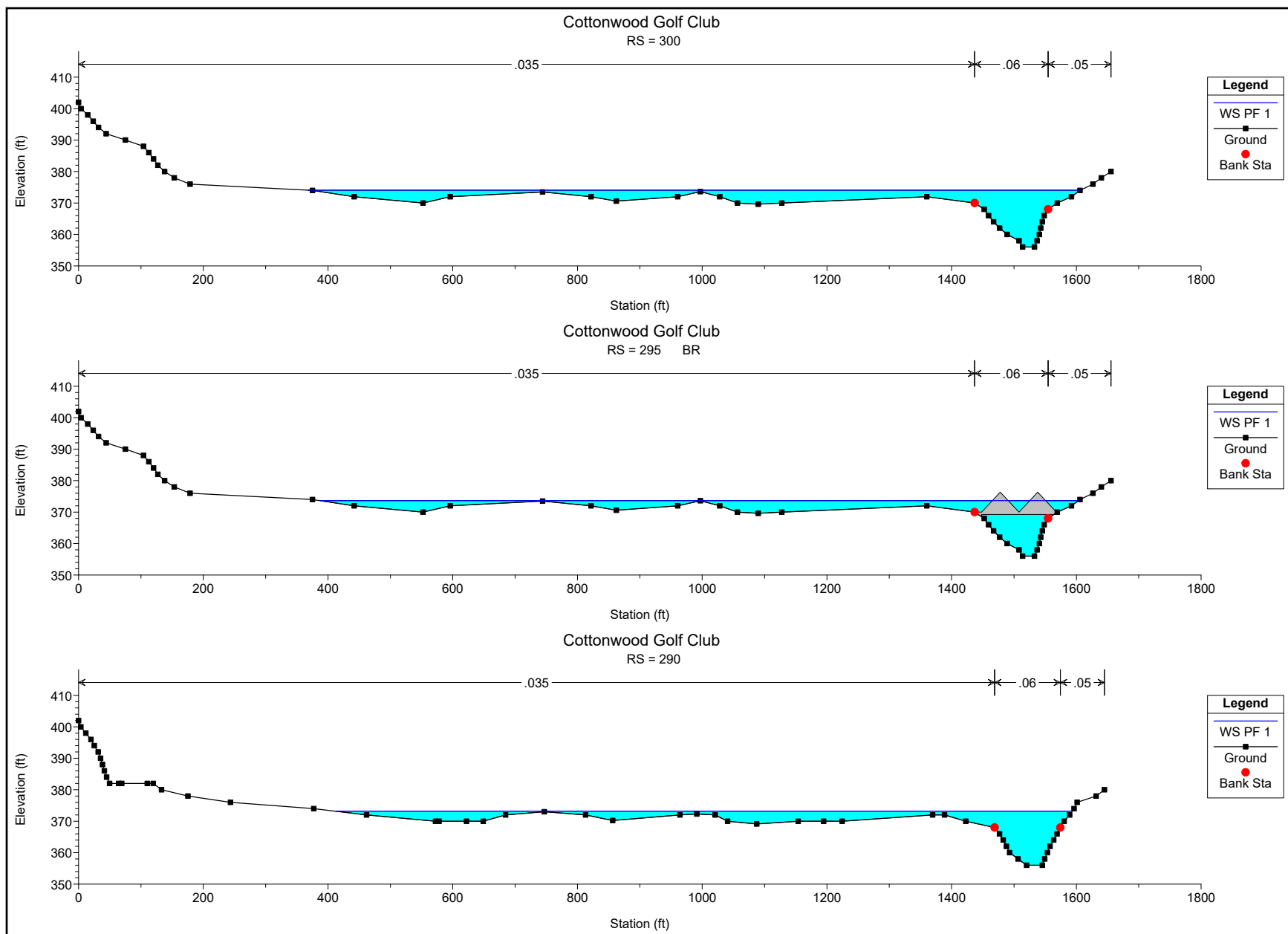
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	398	PF 1	29500.00	371.30	383.17	383.17	387.25	0.008936	16.52	1955.33	346.72	0.90
Reach-1	396	PF 1	29500.00	367.40	377.94		378.18	0.000724	4.54	8995.08	1629.67	0.26
Reach-1	394.1	PF 1	29500.00	365.90	376.97		377.78	0.002528	8.67	5635.37	1593.94	0.48
Reach-1	320	PF 1	29500.00	358.00	375.09	372.02	375.56	0.001994	6.47	5433.80	1255.25	0.30
Reach-1	315		Culvert									
Reach-1	310	PF 1	29500.00	358.00	374.86		375.36	0.002439	7.08	5417.09	1302.76	0.33
Reach-1	300	PF 1	29500.00	356.00	374.07	373.56	374.98	0.005361	9.41	4263.89	1238.66	0.47
Reach-1	295		Bridge									
Reach-1	290	PF 1	29500.00	356.00	373.18	373.18	374.44	0.006936	11.12	3758.37	1181.64	0.54
Reach-1	280	PF 1	29500.00	352.90	362.75		363.02	0.004761	4.19	7039.47	744.78	0.24
Reach-1	270	PF 1	29500.00	350.00	361.11		361.36	0.004000	3.99	7424.62	832.86	0.22
Reach-1	260	PF 1	29500.00	348.00	359.20		359.45	0.003794	4.01	7348.81	717.24	0.22
Reach-1	250	PF 1	29500.00	347.00	357.17		357.44	0.003283	4.18	7060.01	727.77	0.24
Reach-1	240	PF 1	29500.00	346.00	357.14		357.39	0.002917	4.02	7346.61	727.35	0.22
Reach-1	230	PF 1	29500.00	346.00	356.19		356.41	0.002637	3.74	7890.29	822.17	0.21
Reach-1	220	PF 1	29500.00	346.00	356.15		356.37	0.002616	3.71	7948.61	827.26	0.21
Reach-1	210	PF 1	29500.00	345.00	354.94		355.10	0.002289	3.27	9029.17	945.77	0.19
Reach-1	200	PF 1	29500.00	344.90	354.90		355.06	0.002211	3.23	9119.39	947.31	0.18
Reach-1	190	PF 1	29500.00	344.00	353.92		354.08	0.002214	3.22	9166.21	962.53	0.18
Reach-1	180	PF 1	29500.00	343.00	353.11		353.25	0.001947	2.95	9990.12	1030.26	0.17
Reach-1	170	PF 1	29500.00	341.90	351.66		351.93	0.005605	4.26	6984.19	836.42	0.25
Reach-1	160	PF 1	29500.00	341.10	351.58	345.90	351.85	0.005264	4.19	7114.03	870.56	0.25
Reach-1	150	PF 1	29500.00	340.40	349.73		349.95	0.003184	3.84	8062.17	1158.98	0.23
Reach-1	140	PF 1	29500.00	338.00	349.44		349.66	0.000343	1.20	11684.50	1320.25	0.07
Reach-1	130	PF 1	29500.00	337.30	348.46	345.10	349.33	0.001372	7.64	4039.56	1122.09	0.46
Reach-1	125		Mult Open									
Reach-1	120	PF 1	29500.00	338.10	346.46	346.46	348.93	0.007768	12.80	2359.51	982.82	1.01
Reach-1	110	PF 1	29500.00	334.00	342.69		342.93	0.001323	3.97	7431.45	1017.85	0.26
Reach-1	100	PF 1	29500.00	332.20	341.94		342.22	0.002151	3.79	7249.99	866.61	0.22
Reach-1	90	PF 1	29500.00	331.00	340.53		340.79	0.002873	4.11	7209.08	1000.04	0.24
Reach-1	80	PF 1	29500.00	331.00	340.45		340.72	0.002908	4.12	7205.16	1036.12	0.24
Reach-1	70	PF 1	29500.00	329.80	339.28		339.50	0.002975	3.76	7799.26	1156.97	0.22
Reach-1	60	PF 1	29500.00	329.80	339.21		339.43	0.003037	3.63	7955.90	1166.75	0.21
Reach-1	50	PF 1	29500.00	326.00	337.28		337.62	0.004460	5.39	6378.49	1064.31	0.31
Reach-1	40	PF 1	29500.00	324.00	335.63		335.91	0.002460	4.55	7081.80	1096.53	0.27
Reach-1	30	PF 1	29500.00	324.00	334.80		335.01	0.001108	2.70	8251.28	1142.26	0.16
Reach-1	20	PF 1	29500.00	324.00	333.91		334.32	0.001881	4.77	5746.74	1011.29	0.34
Reach-1	10	PF 1	29500.00	324.00	333.75		334.26	0.002611	5.83	5166.49	1069.62	0.40

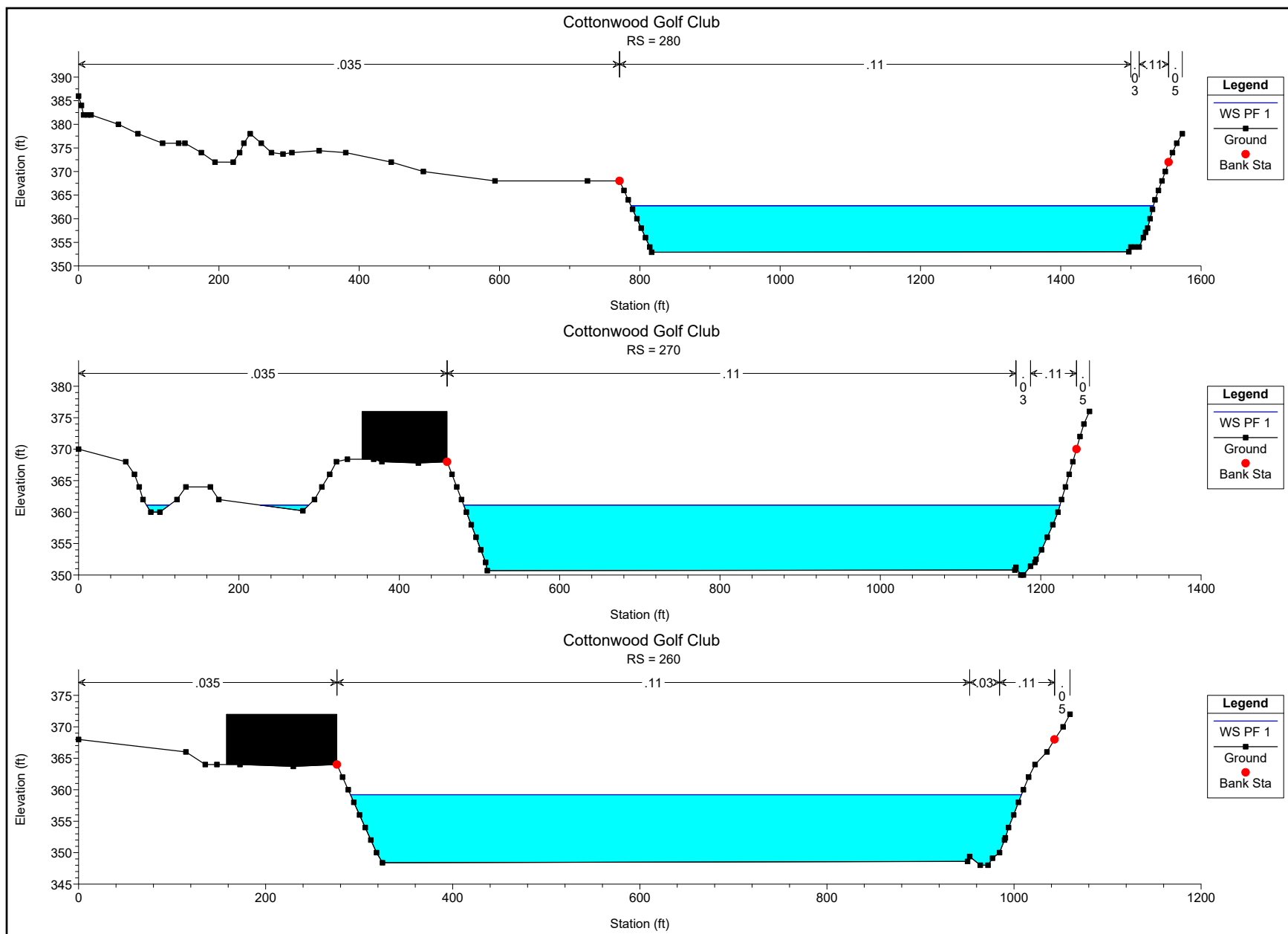
HEC-RAS Plan: PC Phase 3 River: RIVER-1 Reach: Reach-1 Profile: PF 1 (Continued)

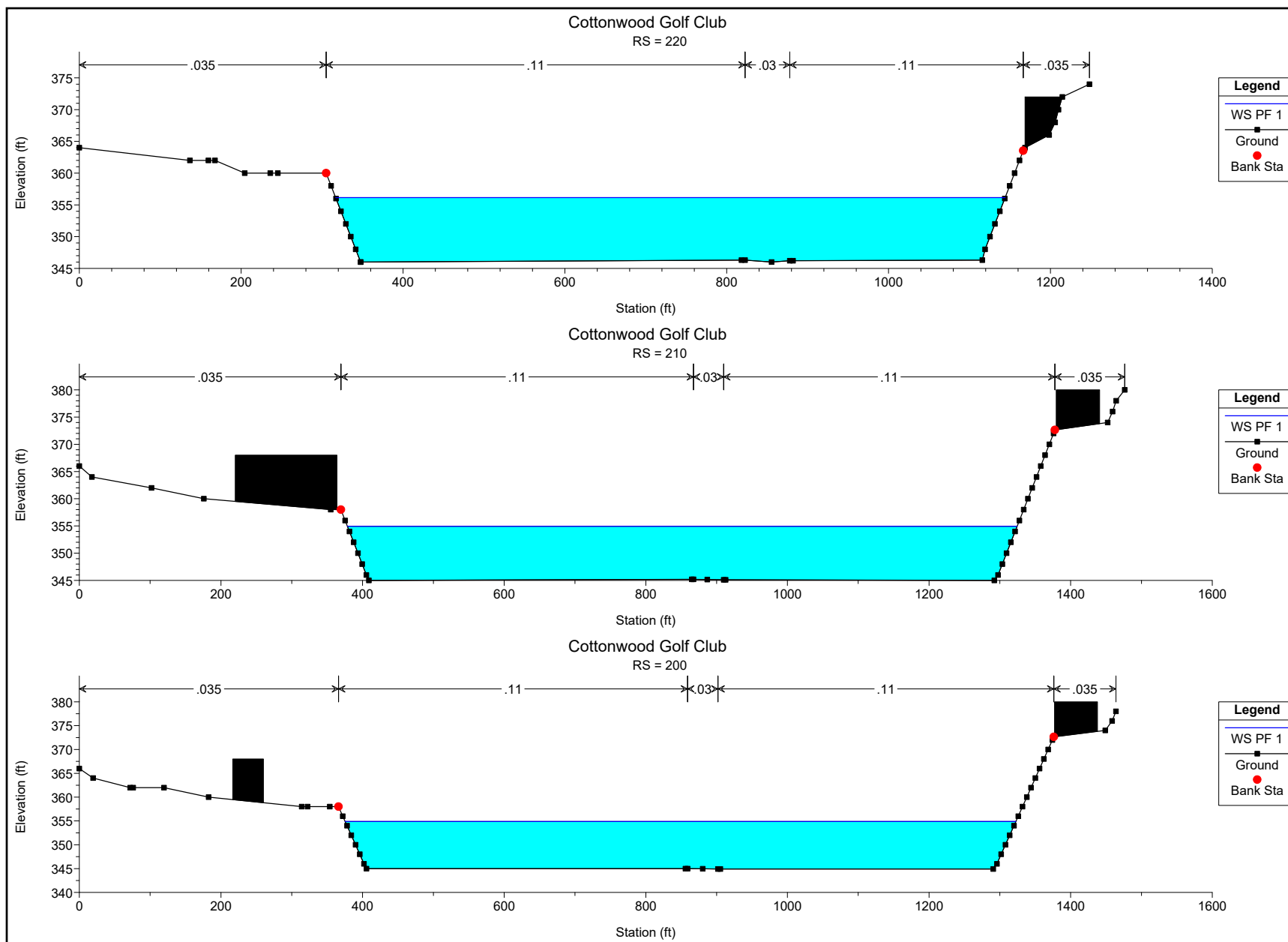
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	5	PF 1	29500.00	321.10	330.28	328.76	330.93	0.004294	10.82	5598.21	1123.72	0.68

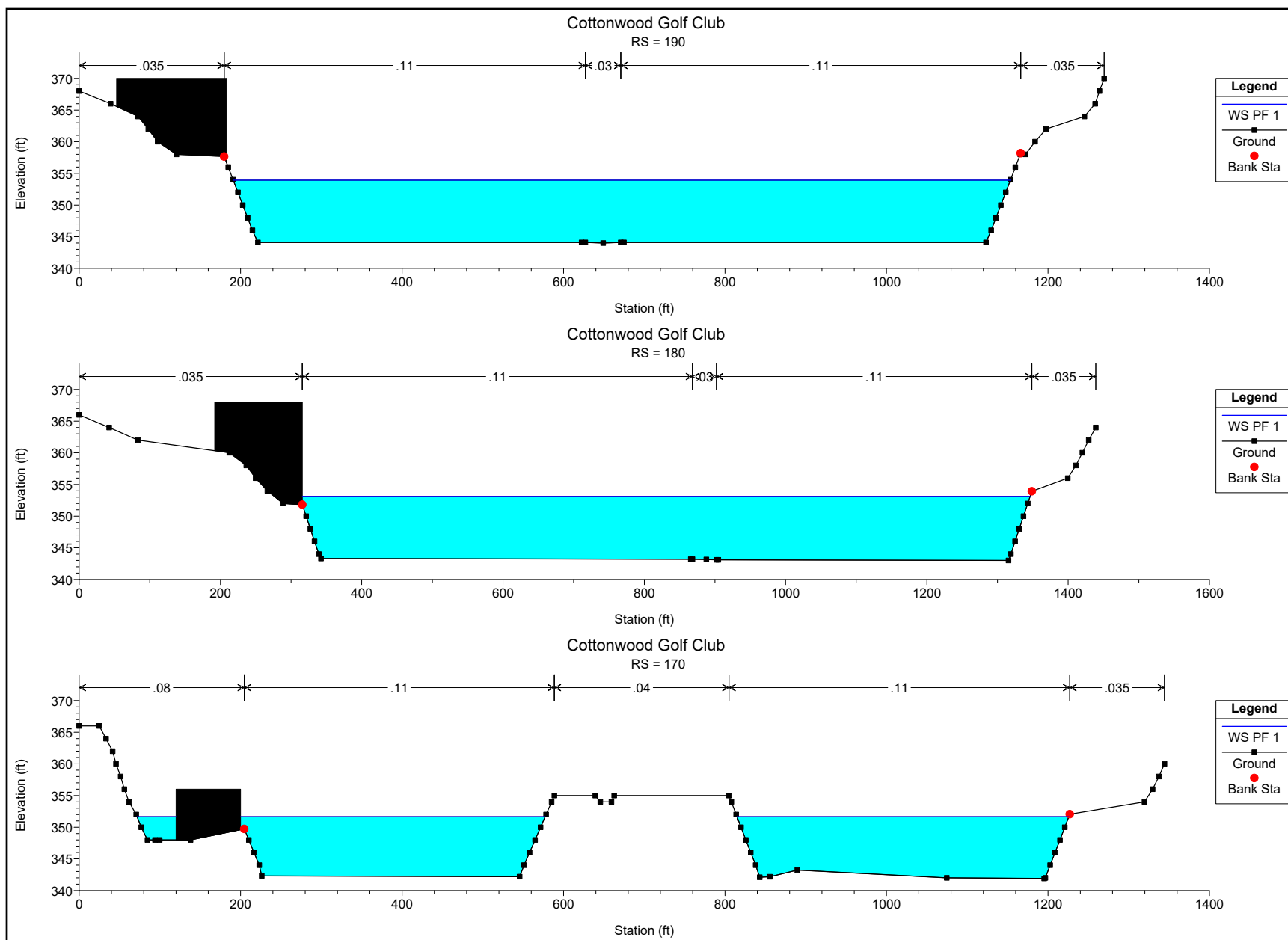


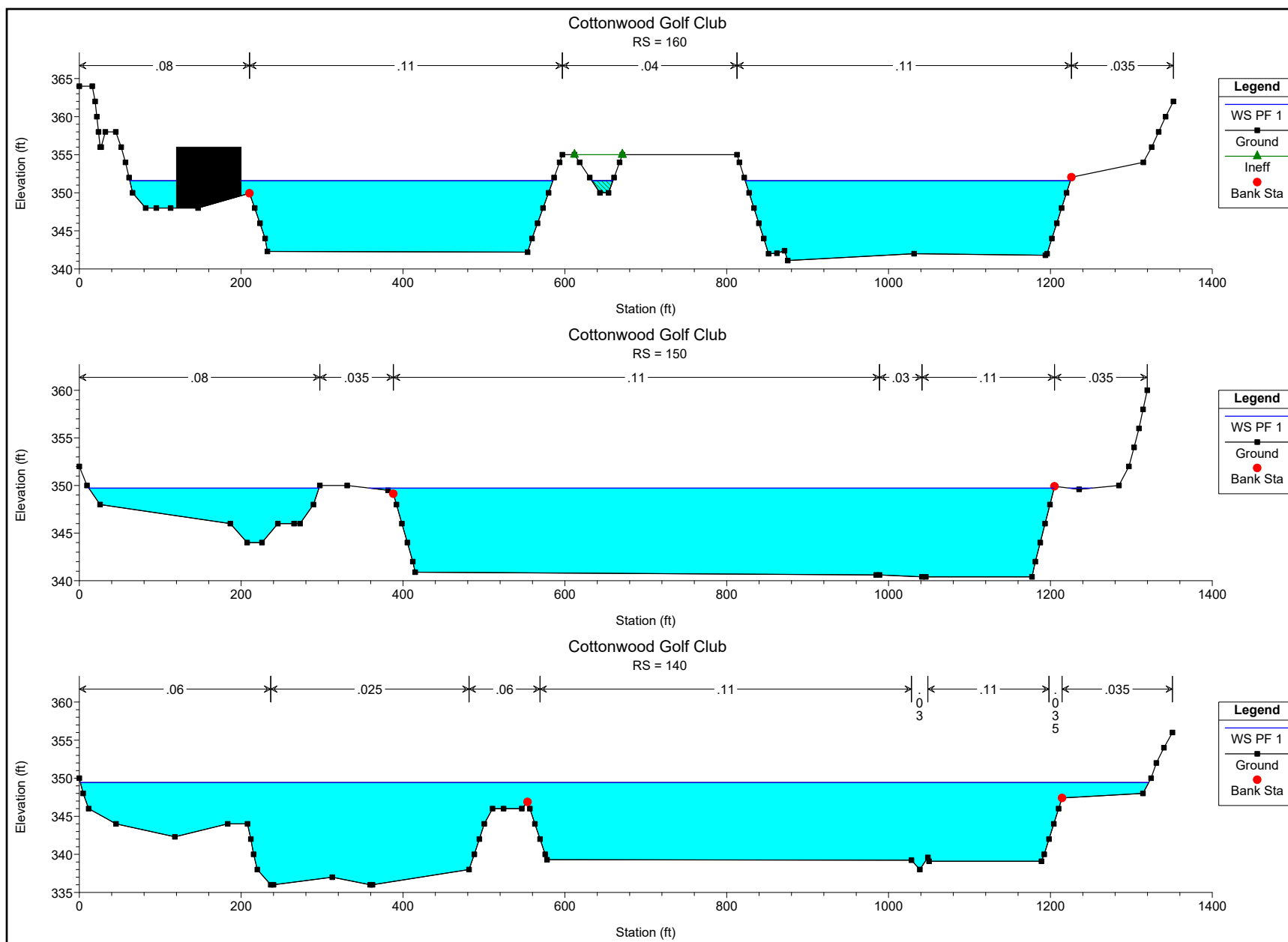


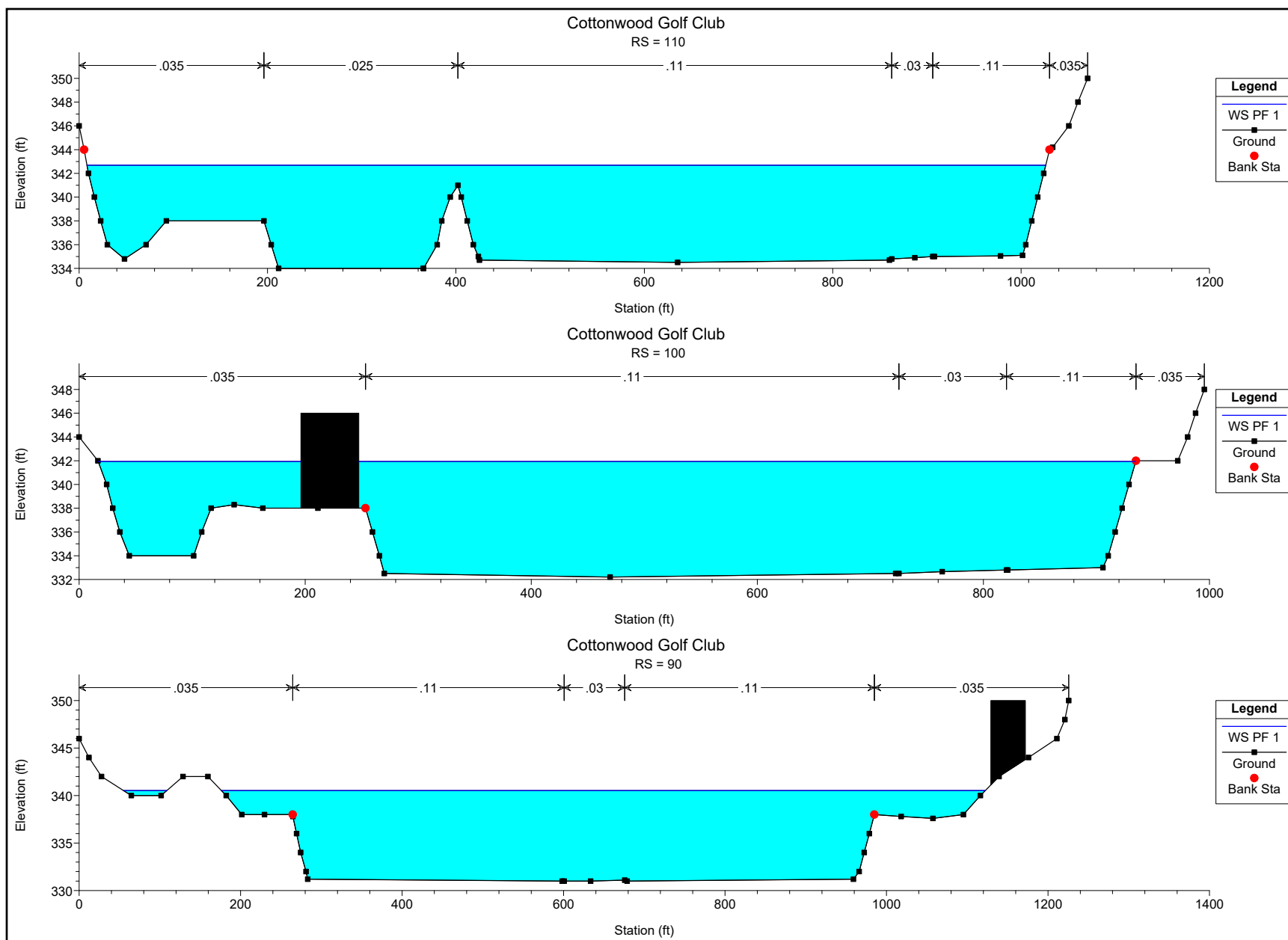


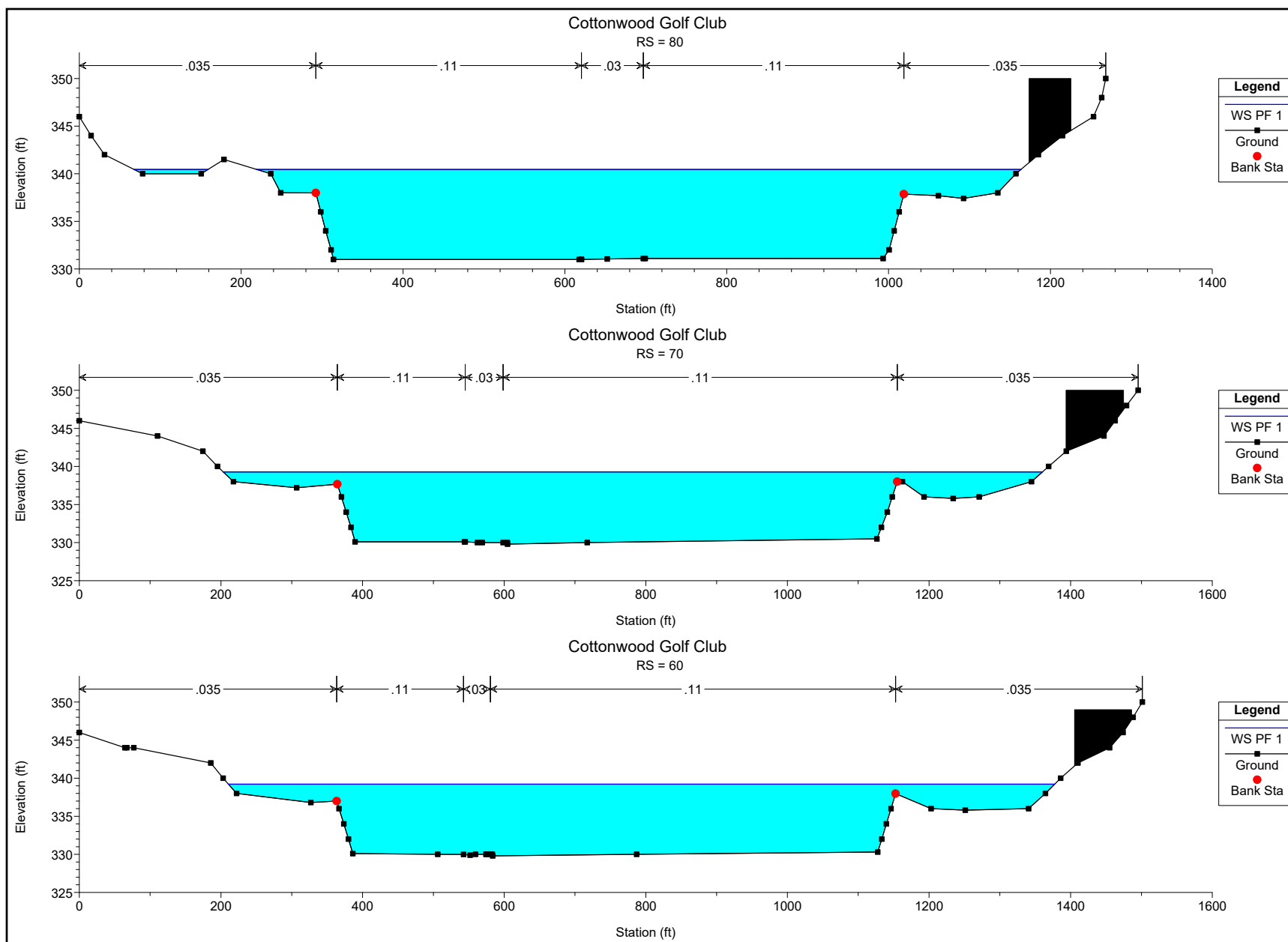


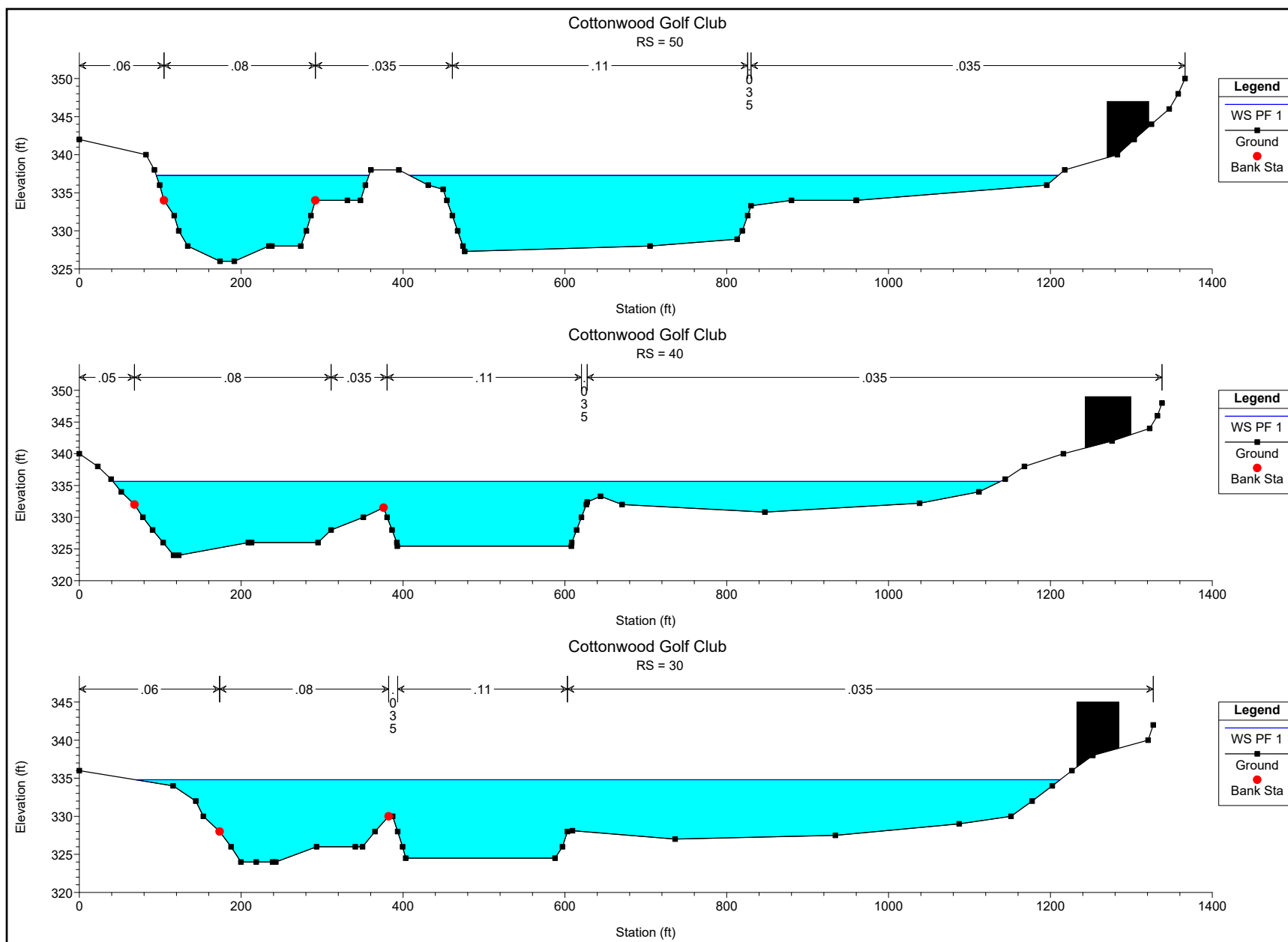












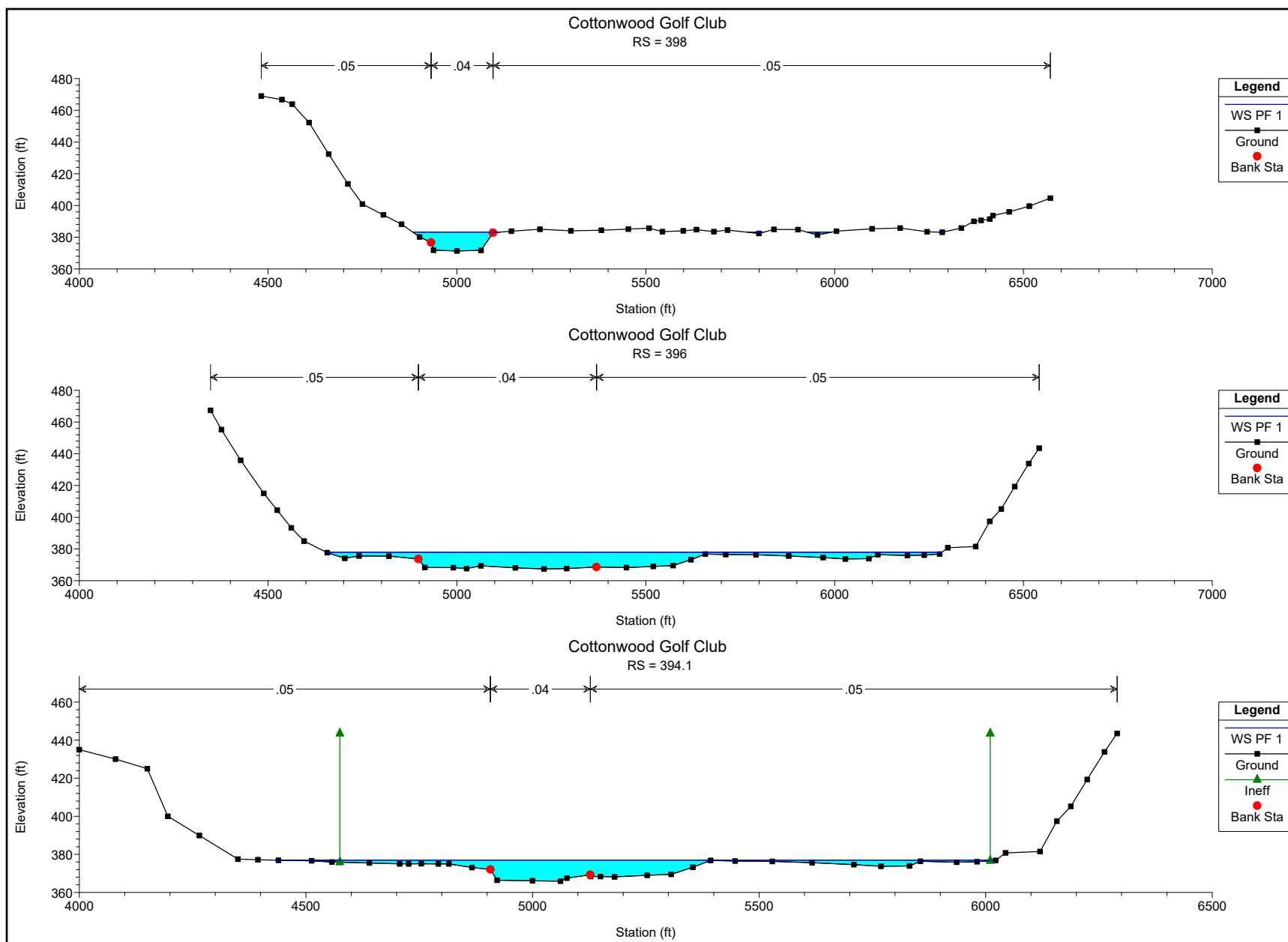
Reclamation Phase 4

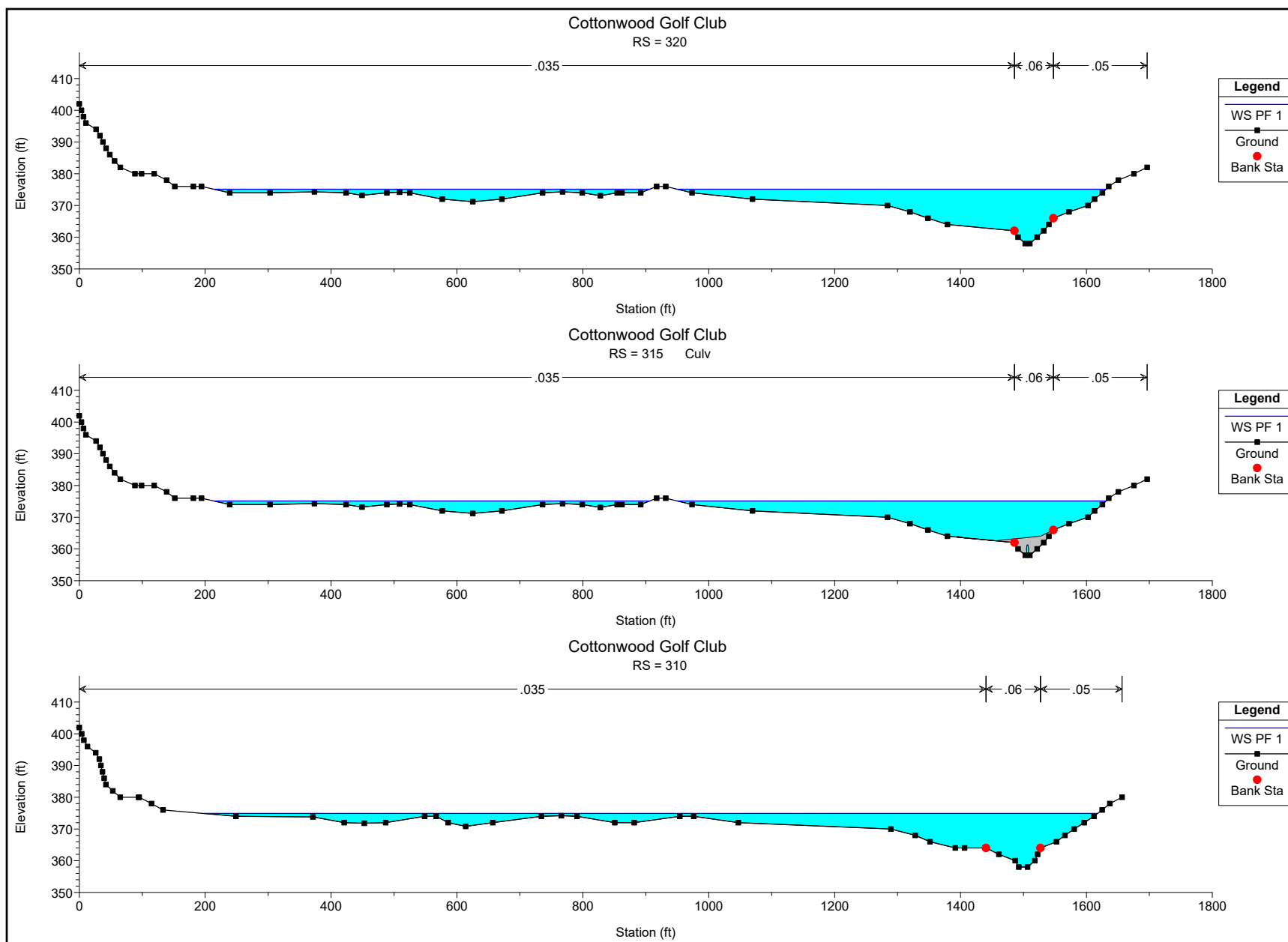
HEC-RAS Plan: PC Phase 4 River: RIVER-1 Reach: Reach-1 Profile: PF 1

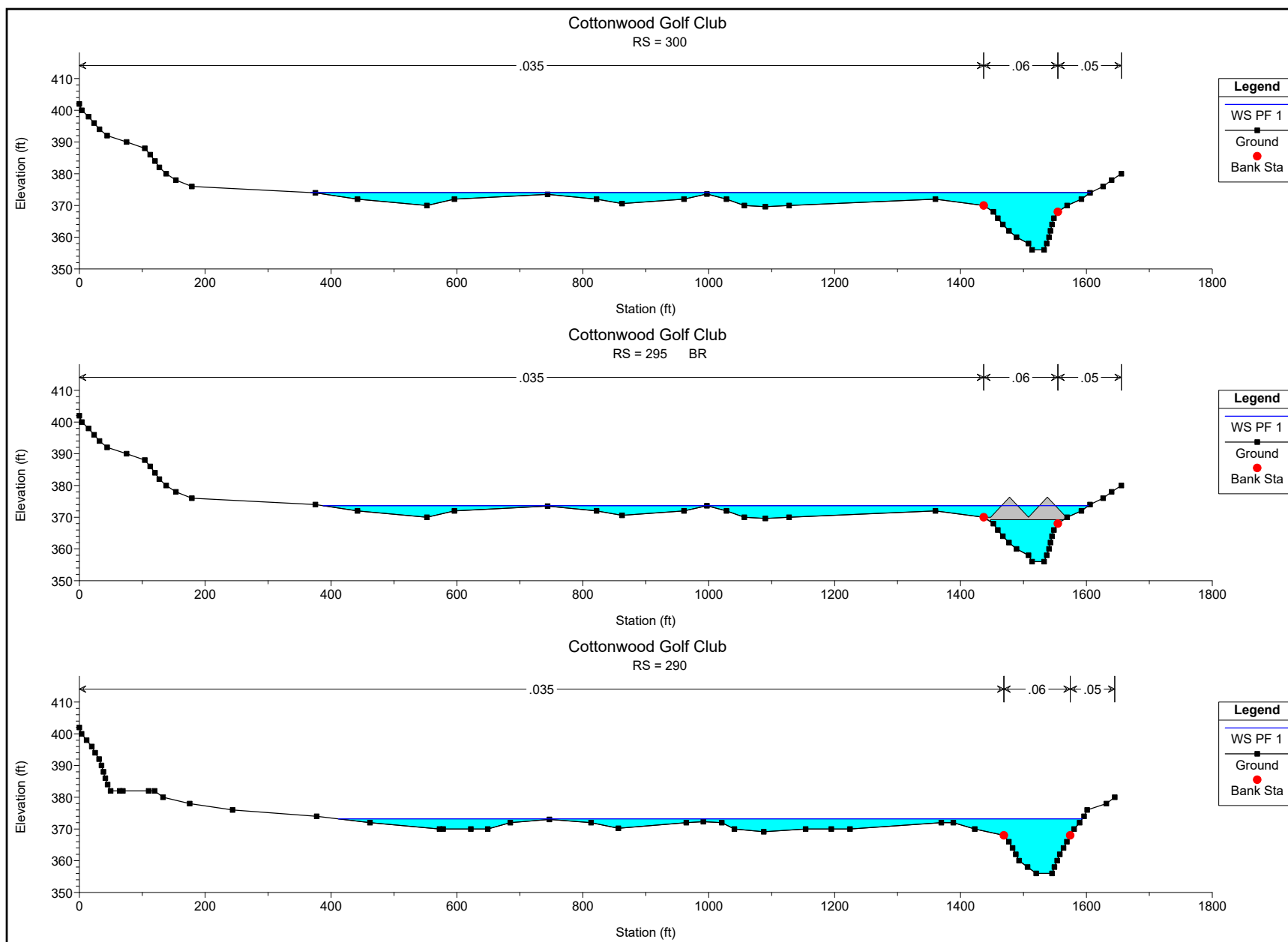
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	398	PF 1	29500.00	371.30	383.17	383.17	387.25	0.008936	16.52	1955.33	346.72	0.90
Reach-1	396	PF 1	29500.00	367.40	377.93		378.17	0.000727	4.55	8978.87	1629.54	0.26
Reach-1	394.1	PF 1	29500.00	365.90	376.94		377.77	0.002571	8.73	5596.40	1589.67	0.49
Reach-1	320	PF 1	29500.00	358.00	375.12	372.02	375.57	0.001912	6.34	5630.40	1373.51	0.29
Reach-1	315		Culvert									
Reach-1	310	PF 1	29500.00	358.00	374.88		375.38	0.002675	7.42	5581.72	1420.00	0.35
Reach-1	300	PF 1	29500.00	356.00	374.07	373.56	374.98	0.005361	9.41	4263.89	1238.66	0.47
Reach-1	295		Bridge									
Reach-1	290	PF 1	29500.00	356.00	373.18	373.18	374.44	0.006936	11.12	3758.37	1181.64	0.54
Reach-1	280	PF 1	29500.00	352.90	363.63		363.86	0.003566	3.83	7696.40	749.07	0.21
Reach-1	270	PF 1	29500.00	350.00	362.54		362.72	0.002483	3.41	8694.27	922.67	0.18
Reach-1	260	PF 1	29500.00	348.00	361.46		361.63	0.001992	3.28	8986.93	730.28	0.16
Reach-1	250	PF 1	29500.00	347.00	360.26		360.45	0.002155	3.48	8486.68	683.61	0.17
Reach-1	240	PF 1	29500.00	346.00	360.24		360.41	0.001961	3.39	8702.74	677.93	0.17
Reach-1	230	PF 1	29500.00	346.00	359.39		359.62	0.002619	3.87	7613.56	617.78	0.19
Reach-1	220	PF 1	29500.00	346.00	359.35		359.58	0.002633	3.88	7596.85	615.84	0.19
Reach-1	210	PF 1	29500.00	345.00	357.79		358.07	0.003344	4.21	7006.03	592.63	0.22
Reach-1	200	PF 1	29500.00	344.90	357.72		358.00	0.003368	4.23	6967.36	588.05	0.22
Reach-1	190	PF 1	29500.00	344.00	355.74		356.14	0.005365	5.07	5813.55	534.51	0.27
Reach-1	180	PF 1	29500.00	343.00	354.46		354.68	0.002494	3.76	7862.60	771.20	0.20
Reach-1	170	PF 1	29500.00	342.10	352.37		352.83	0.009103	5.54	5444.81	687.26	0.33
Reach-1	160	PF 1	29500.00	341.10	352.24	347.24	352.69	0.008780	5.48	5520.05	728.68	0.32
Reach-1	150	PF 1	29500.00	340.40	349.71		349.98	0.003976	4.35	7168.46	1040.53	0.26
Reach-1	140	PF 1	29500.00	338.00	349.44		349.66	0.000342	1.20	11688.17	1320.27	0.07
Reach-1	130	PF 1	29500.00	337.30	348.47	345.10	349.33	0.001370	7.64	4041.50	1122.41	0.46
Reach-1	125		Mult Open									
Reach-1	120	PF 1	29500.00	338.10	346.46	346.46	348.93	0.007768	12.80	2359.51	982.82	1.01
Reach-1	110	PF 1	29500.00	334.00	342.62		342.87	0.001362	4.00	7368.00	1017.51	0.26
Reach-1	100	PF 1	29500.00	332.20	341.90		342.17	0.002037	3.68	7417.15	917.67	0.21
Reach-1	90	PF 1	29500.00	331.00	340.53		340.79	0.002873	4.11	7209.08	1000.04	0.24
Reach-1	80	PF 1	29500.00	331.00	340.45		340.72	0.002908	4.12	7205.16	1036.12	0.24
Reach-1	70	PF 1	29500.00	329.80	339.28		339.50	0.002975	3.76	7799.26	1156.97	0.22
Reach-1	60	PF 1	29500.00	329.80	339.21		339.43	0.003037	3.63	7955.90	1166.75	0.21
Reach-1	50	PF 1	29500.00	326.00	337.28		337.62	0.004460	5.39	6378.49	1064.31	0.31
Reach-1	40	PF 1	29500.00	324.00	335.63		335.91	0.002460	4.55	7081.80	1096.53	0.27
Reach-1	30	PF 1	29500.00	324.00	334.80		335.01	0.001108	2.70	8251.28	1142.26	0.16
Reach-1	20	PF 1	29500.00	324.00	333.91		334.32	0.001881	4.77	5746.74	1011.29	0.34
Reach-1	10	PF 1	29500.00	324.00	333.75		334.26	0.002611	5.83	5166.49	1069.62	0.40

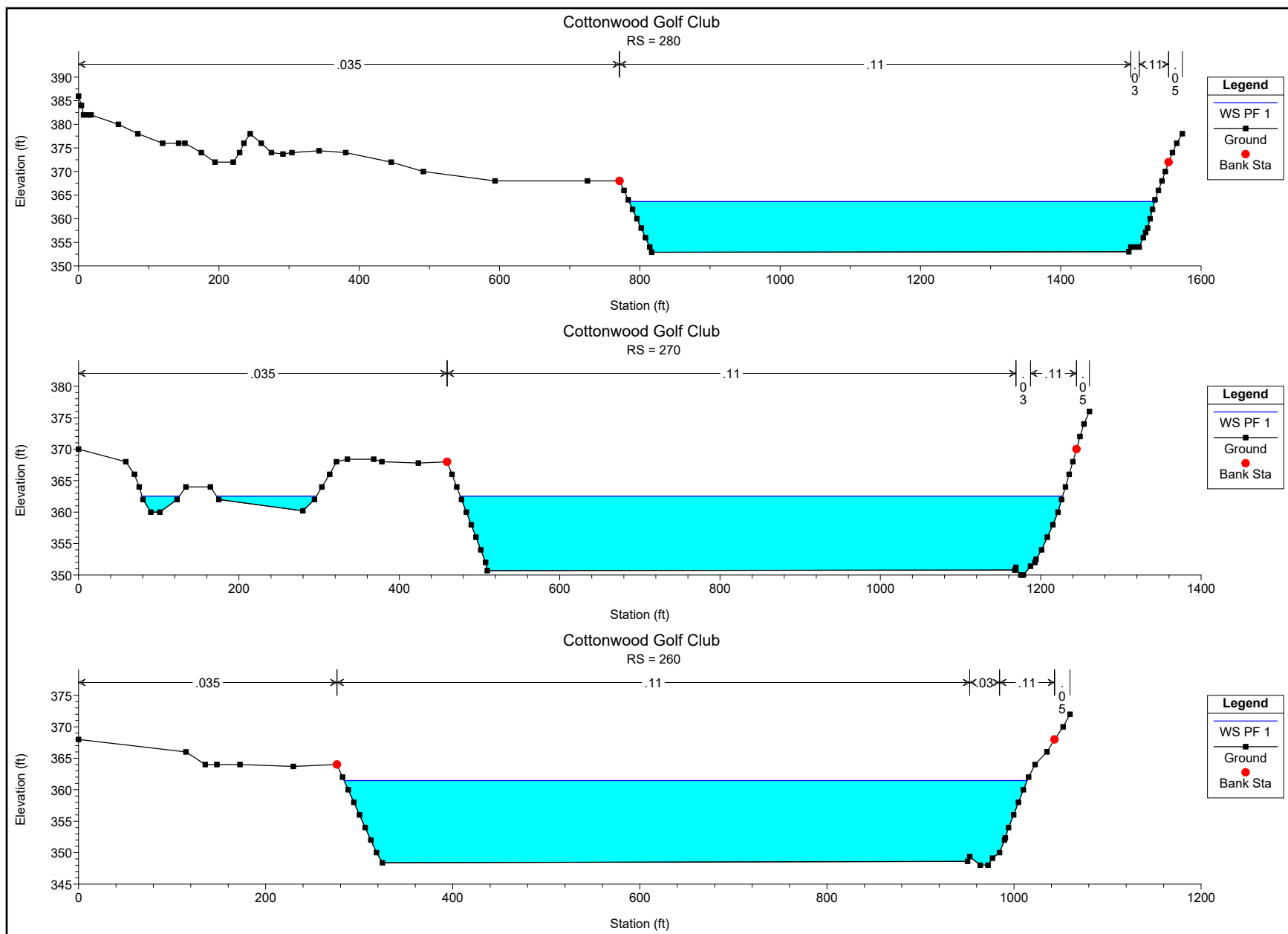
HEC-RAS Plan: PC Phase 4 River: RIVER-1 Reach: Reach-1 Profile: PF 1 (Continued)

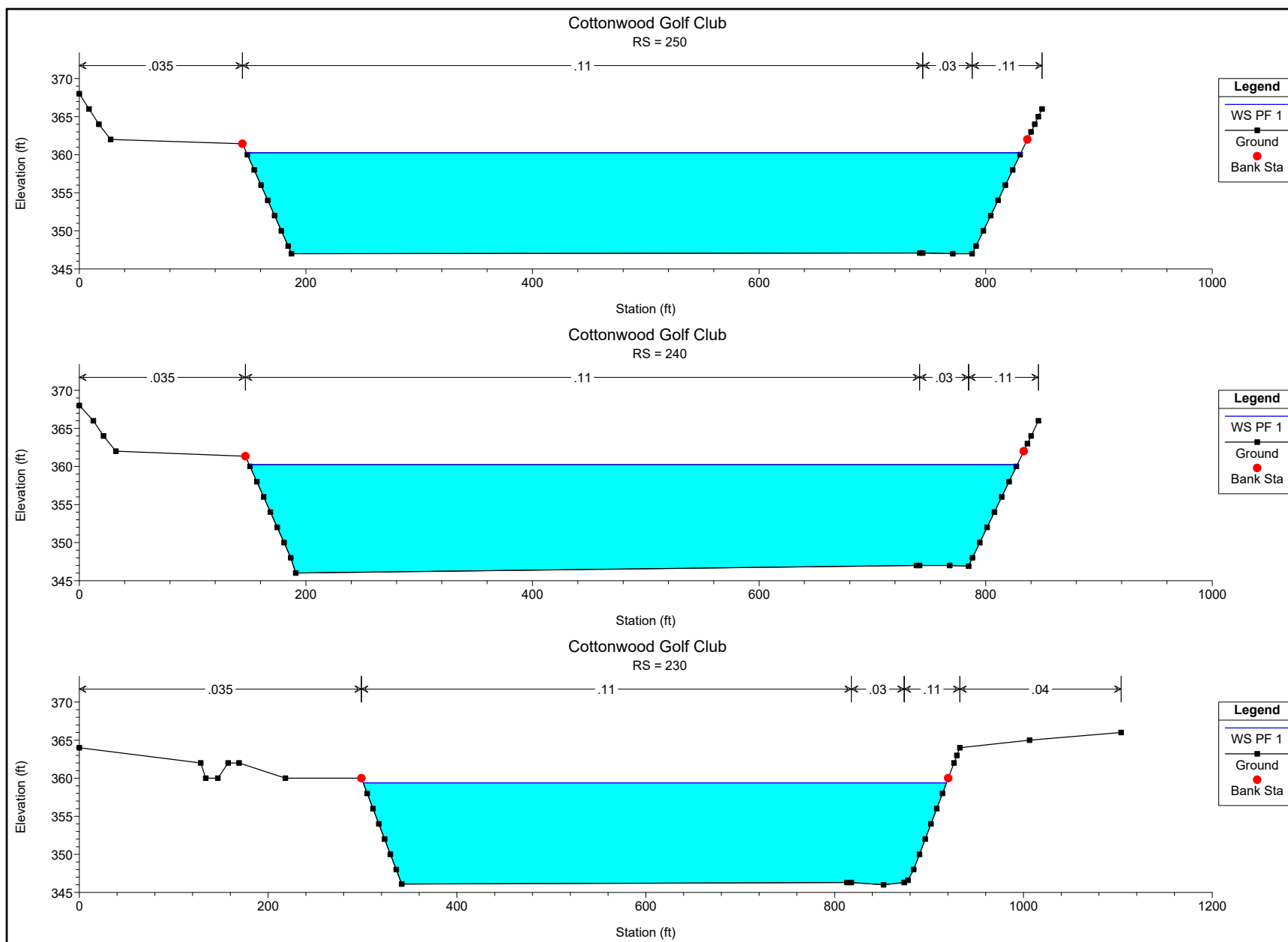
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	5	PF 1	29500.00	321.10	330.28	328.76	330.93	0.004294	10.82	5598.21	1123.72	0.68

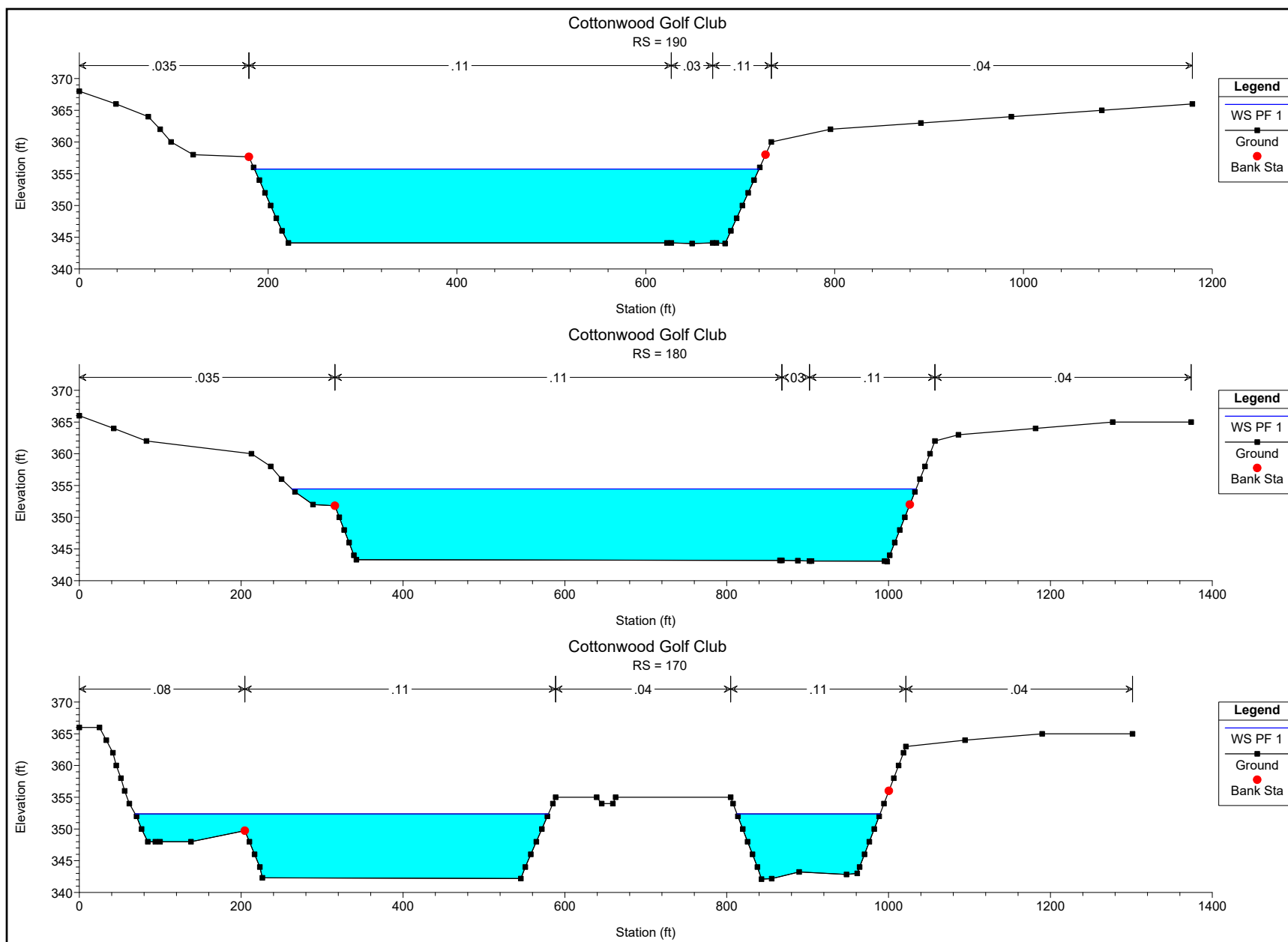


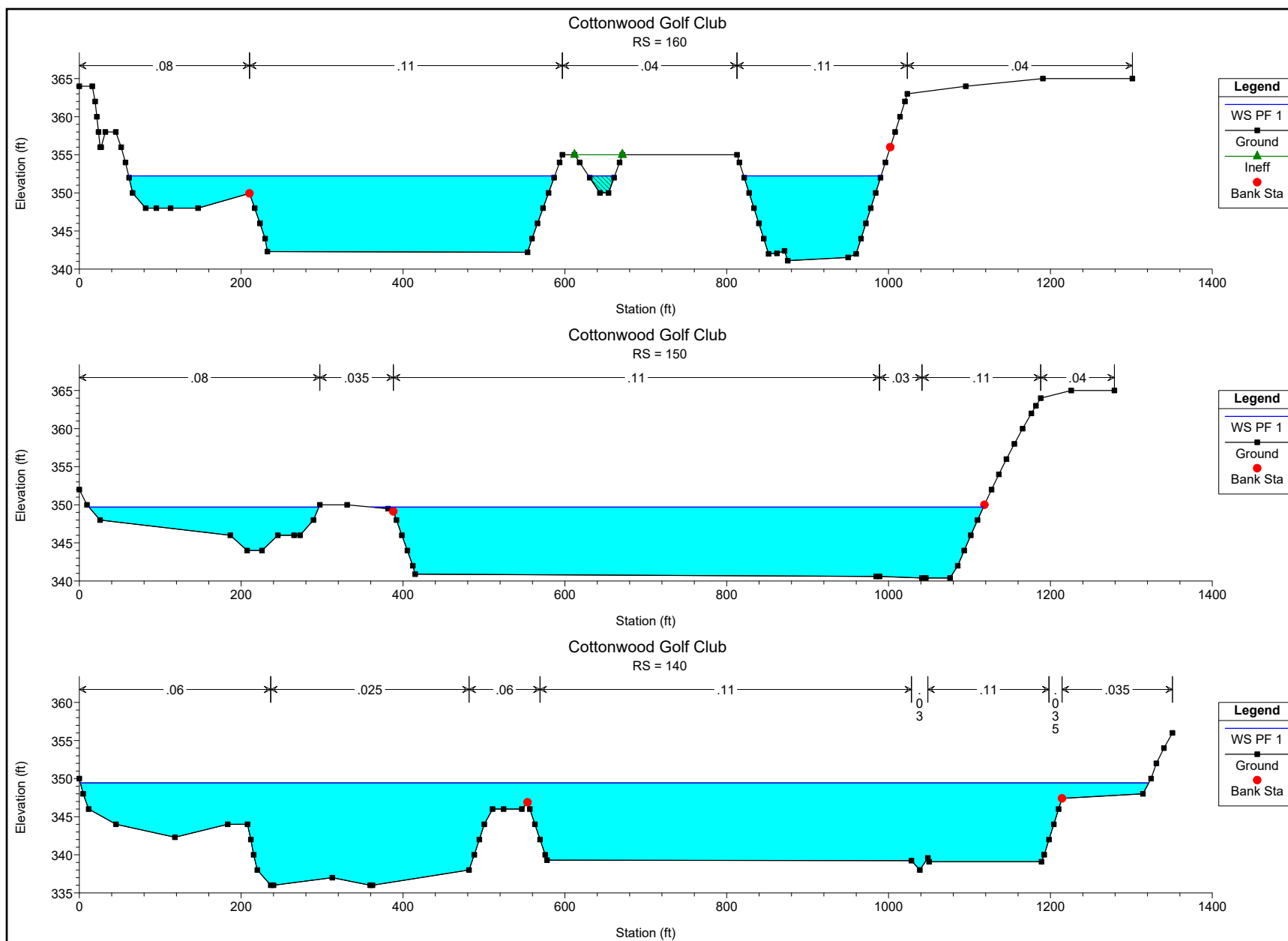


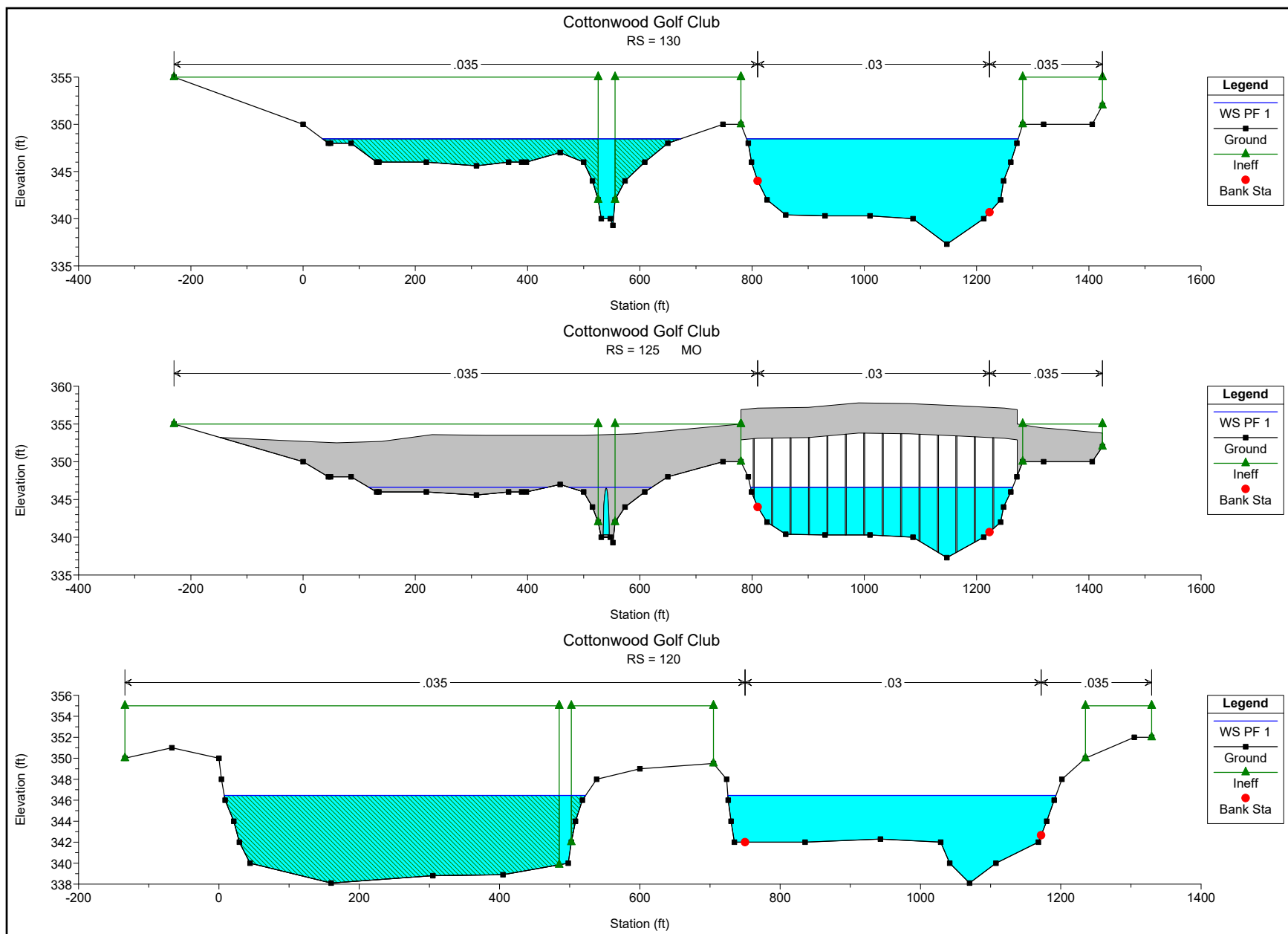


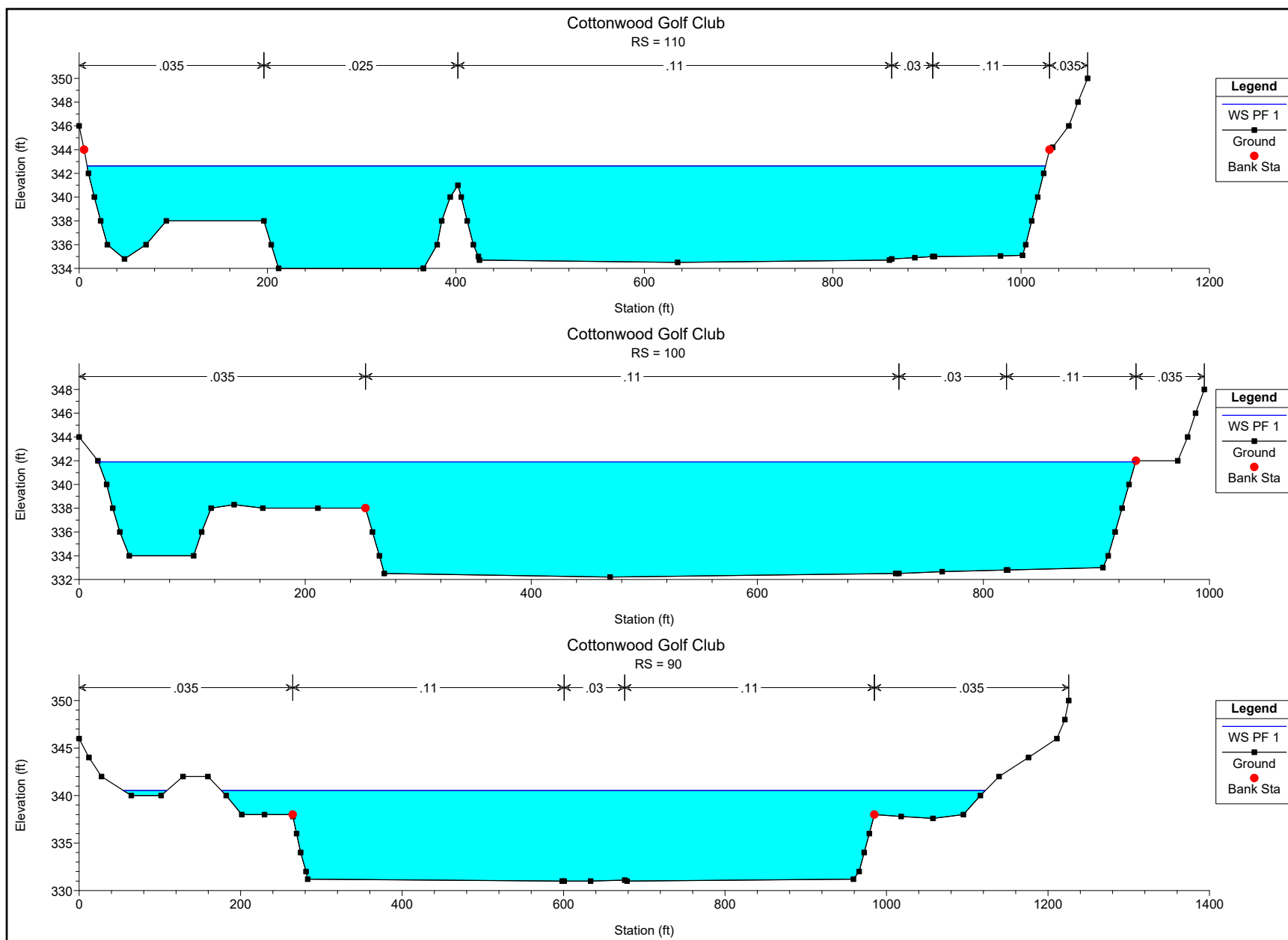


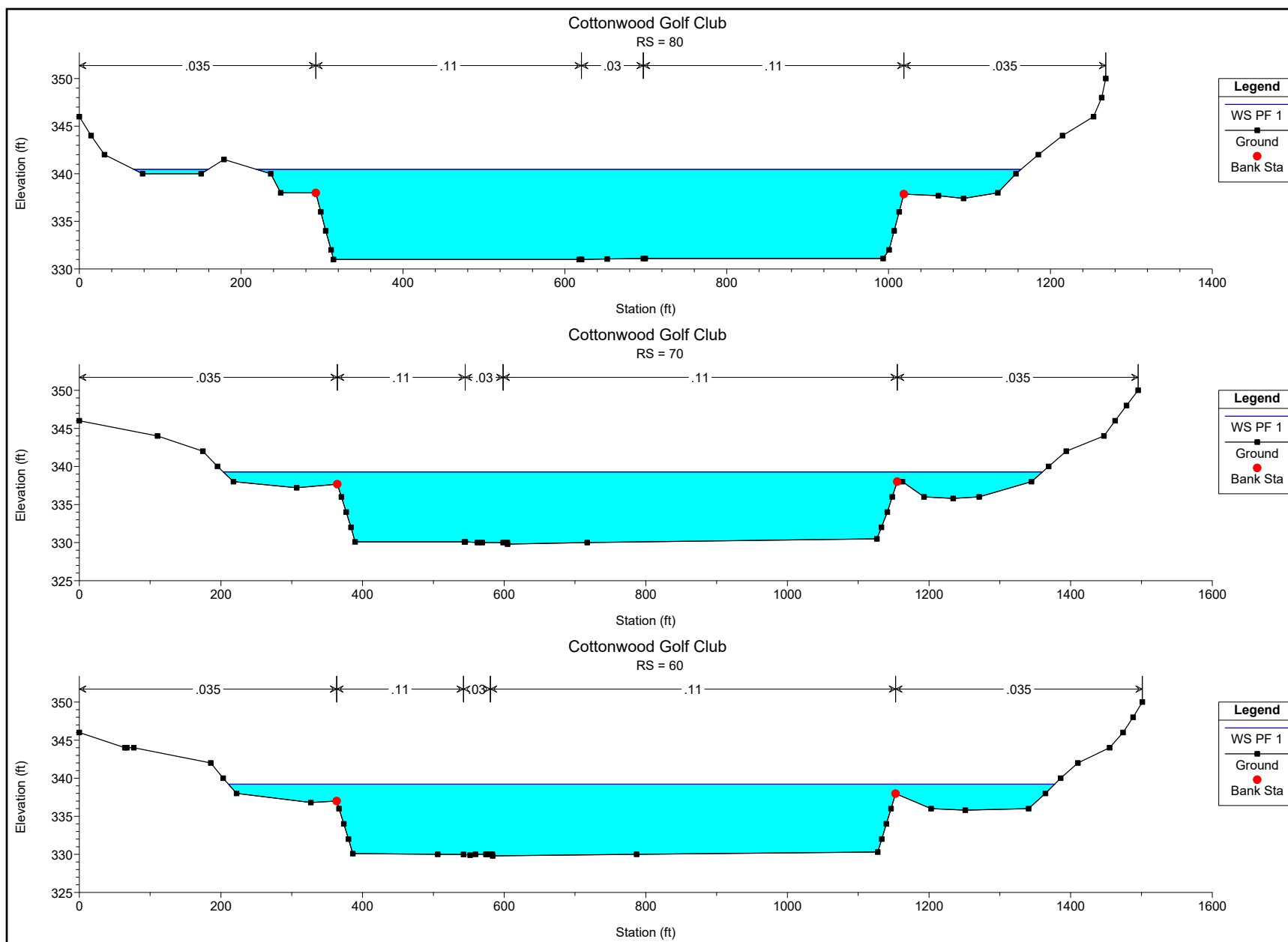


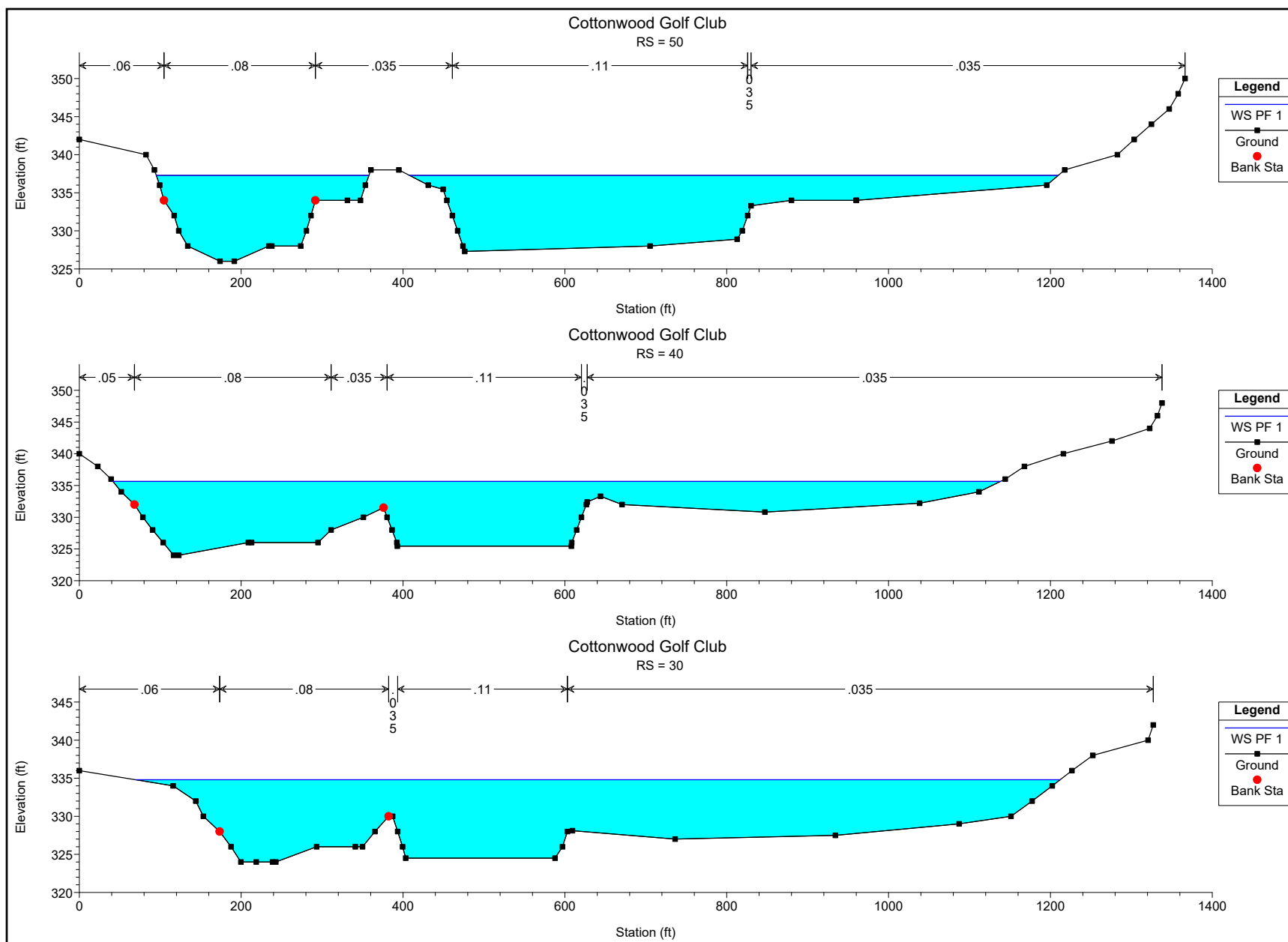


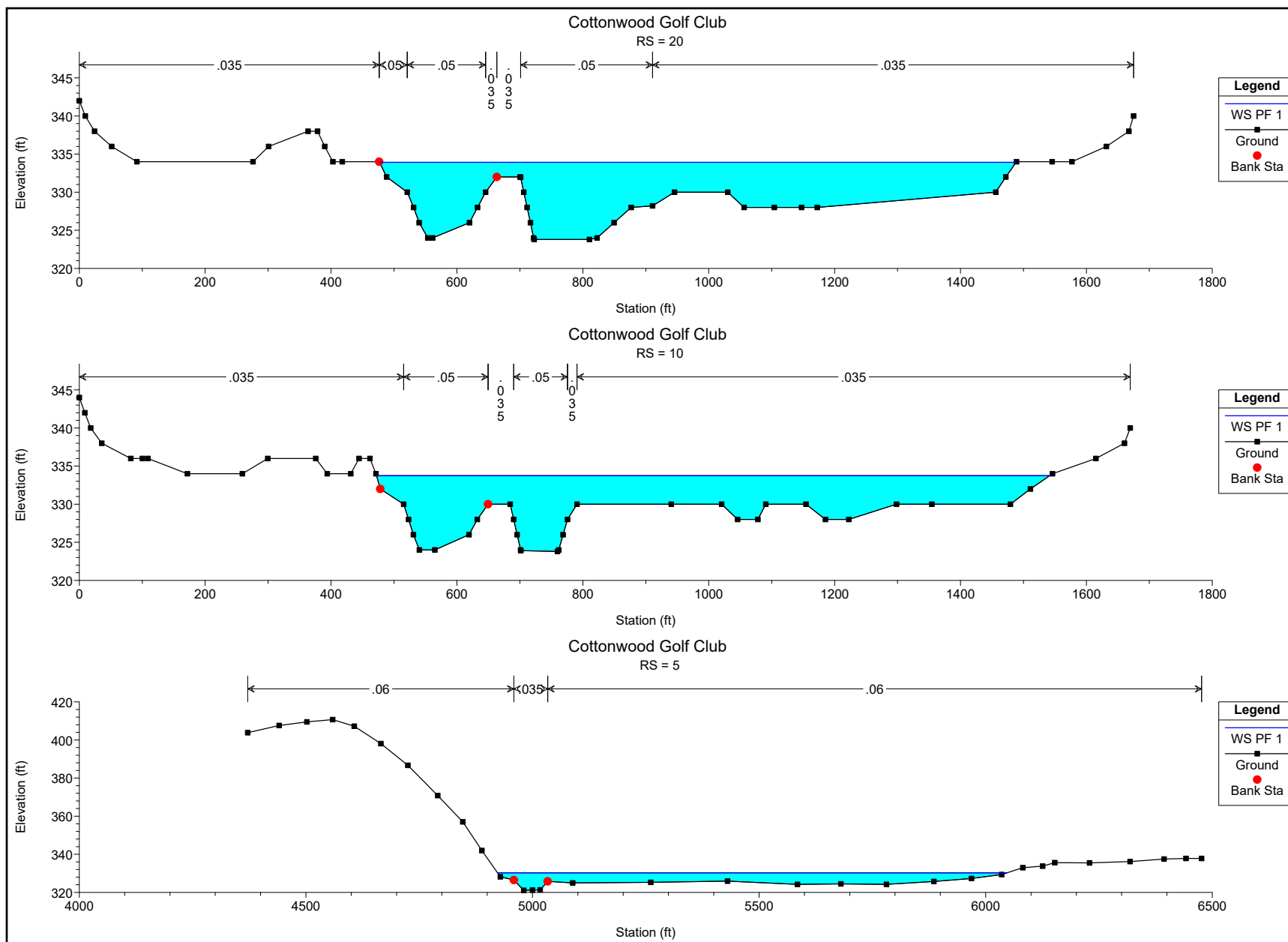












APPENDIX B

WATER TRANSFER DATA

USGS Sweetwater River Stream Gage Records

2010

Discharge, cubic feet per second

TIME	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17	Feb 18
00:00 PST	0.00 ^A	49.1 ^A	171 ^A	333 ^A	294 ^A	296 ^A	272 ^A	259 ^A	268 ^A	72.3 ^A	89.8 ^A	67.6 ^A	73.3 ^A	133 ^A	63.1 ^A	164 ^A	268 ^A	255 ^A	290 ^A	14.7 ^A	7.86 ^A	2.76 ^A
00:15 PST	0.00 ^A	55.4 ^A	176 ^A	280 ^A	290 ^A	255 ^A	270 ^A	270 ^A	278 ^A	75.3 ^A	79.3 ^A	74.3 ^A	72.3 ^A	119 ^A	72.3 ^A	167 ^A	263 ^A	255 ^A	268 ^A	11.7 ^A	6.34 ^A	2.76 ^A
00:30 PST	0.00 ^A	52.2 ^A	167 ^A	312 ^A	318 ^A	294 ^A	304 ^A	265 ^A	308 ^A	68.5 ^A	89.8 ^A	73.3 ^A	71.4 ^A	140 ^A	82.3 ^A	144 ^A	261 ^A	270 ^A	241 ^A	11.7 ^A	5.79 ^A	2.35 ^A
00:45 PST	0.00 ^A	62.2 ^A	159 ^A	290 ^A	259 ^A	304 ^A	312 ^A	286 ^A	278 ^A	77.2 ^A	82.3 ^A	76.2 ^A	75.3 ^A	125 ^A	69.5 ^A	161 ^A	280 ^A	250 ^A	250 ^A	12.0 ^A	5.53 ^A	2.99 ^A
01:00 PST	0.00 ^A	63.1 ^A	164 ^A	280 ^A	327 ^A	282 ^A	296 ^A	246 ^A	292 ^A	72.3 ^A	81.3 ^A	61.3 ^A	68.5 ^A	121 ^A	67.6 ^A	128 ^A	270 ^A	298 ^A	278 ^A	11.7 ^A	5.04 ^A	2.55 ^A
01:15 PST	0.00 ^A	57.1 ^A	170 ^A	314 ^A	288 ^A	286 ^A	276 ^A	267 ^A	268 ^A	68.5 ^A	62.2 ^A	69.5 ^A	71.4 ^A	128 ^A	75.3 ^A	158 ^A	246 ^A	250 ^A	274 ^A	11.7 ^A	6.06 ^A	2.76 ^A
01:30 PST	0.00 ^A	44.6 ^A	170 ^A	323 ^A	263 ^A	280 ^A	270 ^A	288 ^A	296 ^A	67.6 ^A	77.2 ^A	73.3 ^A	69.5 ^A	137 ^A	69.5 ^A	133 ^A	252 ^A	267 ^A	288 ^A	11.3 ^A	5.28 ^A	2.35 ^A
01:45 PST	0.00 ^A	48.3 ^A	168 ^A	265 ^A	278 ^A	320 ^A	288 ^A	267 ^A	298 ^A	79.3 ^A	82.3 ^A	69.5 ^A	73.3 ^A	123 ^A	70.4 ^A	151 ^A	253 ^A	286 ^A	253 ^A	11.3 ^A	5.28 ^A	2.35 ^A
02:00 PST	0.00 ^A	46.1 ^A	164 ^A	288 ^A	296 ^A	331 ^A	223 ^A	255 ^A	280 ^A	75.3 ^A	90.9 ^A	65.8 ^A	66.7 ^A	120 ^A	64.0 ^A	159 ^A	274 ^A	235 ^A	263 ^A	12.8 ^A	11.0 ^A	2.76 ^A
02:15 PST	0.00 ^A	47.5 ^A	168 ^A	255 ^A	302 ^A	346 ^A	333 ^A	278 ^A	261 ^A	81.3 ^A	84.4 ^A	67.6 ^A	70.4 ^A	115 ^A	70.4 ^A	140 ^A	280 ^A	302 ^A	246 ^A	11.7 ^A	7.22 ^A	2.55 ^A
02:30 PST	0.00 ^A	53.0 ^A	165 ^A	300 ^A	255 ^A	292 ^A	312 ^A	312 ^A	255 ^A	66.7 ^A	86.6 ^A	66.7 ^A	70.4 ^A	116 ^A	73.3 ^A	142 ^A	261 ^A	278 ^A	286 ^A	11.3 ^A	4.69 ^A	2.76 ^A
02:45 PST	0.00 ^A	47.5 ^A	173 ^A	257 ^A	272 ^A	306 ^A	314 ^A	257 ^A	278 ^A	70.4 ^A	95.4 ^A	73.3 ^A	68.5 ^A	125 ^A	71.4 ^A	137 ^A	276 ^A	278 ^A	243 ^A	11.7 ^A	5.28 ^A	2.76 ^A
03:00 PST	0.00 ^A	57.1 ^A	179 ^A	353 ^A	329 ^A	265 ^A	298 ^A	265 ^A	304 ^A	72.3 ^A	79.3 ^A	73.3 ^A	68.5 ^A	119 ^A	79.3 ^A	158 ^A	222 ^A	284 ^A	286 ^A	11.7 ^A	4.69 ^A	2.76 ^A
03:15 PST	0.00 ^A	57.1 ^A	162 ^A	252 ^A	327 ^A	296 ^A	302 ^A	274 ^A	298 ^A	78.2 ^A	78.2 ^A	63.1 ^A	65.8 ^A	110 ^A	66.7 ^A	164 ^A	263 ^A	274 ^A	250 ^A	11.3 ^A	4.69 ^A	2.55 ^A
03:30 PST	0.00 ^A	68.5 ^A	181 ^A	280 ^A	296 ^A	282 ^A	296 ^A	294 ^A	268 ^A	68.5 ^A	85.5 ^A	69.5 ^A	58.7 ^A	102 ^A	69.5 ^A	142 ^A	282 ^A	232 ^A	267 ^A	11.0 ^A	4.69 ^A	2.16 ^A
03:45 PST	0.00 ^A	61.3 ^A	158 ^A	318 ^A	286 ^A	300 ^A	302 ^A	267 ^A	265 ^A	76.2 ^A	82.3 ^A	71.4 ^A	74.3 ^A	113 ^A	78.2 ^A	142 ^A	261 ^A	265 ^A	261 ^A	11.0 ^A	4.37 ^A	2.35 ^A
04:00 PST	0.00 ^A	62.2 ^A	173 ^A	259 ^A	276 ^A	288 ^A	306 ^A	280 ^A	290 ^A	64.0 ^A	80.3 ^A	80.3 ^A	73.3 ^A	110 ^A	82.3 ^A	144 ^A	284 ^A	300 ^A	294 ^A	11.3 ^A	4.37 ^A	2.55 ^A
04:15 PST	0.00 ^A	50.6 ^A	149 ^A	302 ^A	306 ^A	272 ^A	340 ^A	267 ^A	263 ^A	67.6 ^A	80.3 ^A	70.4 ^A	74.3 ^A	105 ^A	68.5 ^A	158 ^A	235 ^A	278 ^A	265 ^A	11.3 ^A	4.37 ^A	2.16 ^A
04:30 PST	0.00 ^A	55.4 ^A	170 ^A	278 ^A	280 ^A	241 ^A	331 ^A	265 ^A	280 ^A	74.3 ^A	77.2 ^A	65.8 ^A	75.3 ^A	101 ^A	80.3 ^A	140 ^A	265 ^A	294 ^A	267 ^A	9.62 ^A	4.06 ^A	2.35 ^A
04:45 PST	0.00 ^A	64.9 ^A	193 ^A	292 ^A	280 ^A	292 ^A	340 ^A	270 ^A	284 ^A	76.2 ^A	72.3 ^A	71.4 ^A	78.2 ^A	107 ^A	80.3 ^A	148 ^A	261 ^A	257 ^A	282 ^A	11.7 ^A	5.04 ^A	2.35 ^A
05:00 PST	0.00 ^A	69.5 ^A	162 ^A	278 ^A	268 ^A	265 ^A	323 ^A	270 ^A	274 ^A	68.5 ^A	78.2 ^A	67.6 ^A	72.3 ^A	95.4 ^A	73.3 ^A	156 ^A	280 ^A	280 ^A	274 ^A	10.3 ^A	5.28 ^A	2.35 ^A
05:15 PST	0.00 ^A	50.6 ^A	181 ^A	346 ^A	261 ^A	308 ^A	298 ^A	270 ^A	270 ^A	72.3 ^A	79.3 ^A	75.3 ^A	73.3 ^A	87.6 ^A	80.3 ^A	156 ^A	268 ^A	265 ^A	250 ^A	10.3 ^A	5.28 ^A	2.35 ^A
05:30 PST	0.00 ^A	43.2 ^A	176 ^A	261 ^A	298 ^A	278 ^A	292 ^A	329 ^A	265 ^A	72.3 ^A	75.3 ^A	79.3 ^A	73.3 ^A	103 ^A	67.6 ^A	165 ^A	274 ^A	270 ^A	272 ^A	11.0 ^A	5.28 ^A	2.35 ^A
05:45 PST	0.00 ^A	53.8 ^A	189 ^A	259 ^A	296 ^A	265 ^A	344 ^A	246 ^A	282 ^A	78.2 ^A	68.5 ^A	73.3 ^A	74.3 ^A	85.5 ^A	74.3 ^A	144 ^A	278 ^A	267 ^A	274 ^A	9.62 ^A	5.28 ^A	2.55 ^A
06:00 PST	0.00 ^A	48.3 ^A	151 ^A	290 ^A	302 ^A	335 ^A	342 ^A	237 ^A	278 ^A	70.4 ^A	80.3 ^A	72.3 ^A	69.5 ^A	95.4 ^A	79.3 ^A	144 ^A	276 ^A	276 ^A	290 ^A	9.62 ^A	5.28 ^A	2.35 ^A
06:15 PST	0.00 ^A	63.1 ^A	171 ^A	270 ^A	265 ^A	302 ^A	298 ^A	276 ^A	302 ^A	72.3 ^A	79.3 ^A	74.3 ^A	68.5 ^A	103 ^A	75.3 ^A	145 ^A	272 ^A	274 ^A	270 ^A	10.3 ^A	4.69 ^A	2.35 ^A
06:30 PST	0.00 ^A	63.1 ^A	153 ^A	268 ^A	338 ^A	250 ^A	314 ^A	280 ^A	274 ^A	73.3 ^A	66.7 ^A	74.3 ^A	63.1 ^A	84.4 ^A	76.2 ^A	153 ^A	252 ^A	282 ^A	263 ^A	10.0 ^A	5.04 ^A	2.55 ^A
06:45 PST	0.00 ^A	68.5 ^A	155 ^A	294 ^A	270 ^A	268 ^A	304 ^A	286 ^A	265 ^A	73.3 ^A	80.3 ^A	72.3 ^A	71.4 ^A	92.0 ^A	67.6 ^A	136 ^A	280 ^A	263 ^A	243 ^A	9.25 ^A	5.04 ^A	2.16 ^A
07:00 PST	0.00 ^A	66.7 ^A	182 ^A	294 ^A	278 ^A	252 ^A	340 ^A	252 ^A	292 ^A	71.4 ^A	75.3 ^A	74.3 ^A	69.5 ^A	85.5 ^A	73.3 ^A	130 ^A	270 ^A	274 ^A	274 ^A	9.62 ^A	4.69 ^A	2.16 ^A
07:15 PST	0.00 ^A	68.5 ^A	182 ^A	282 ^A	292 ^A	286 ^A	327 ^A	276 ^A	286 ^A	68.5 ^A	72.3 ^A	70.4 ^A	74.3 ^A	92.0 ^A	69.5 ^A	153 ^A	253 ^A	284 ^A	248 ^A	8.88 ^A	5.04 ^A	2.35 ^A

TIME	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17	Feb 18
07:30 PST	0.00 ^A	57.9 ^A	167 ^A	280 ^A	265 ^A	288 ^A	304 ^A	268 ^A	284 ^A	73.3 ^A	75.3 ^A	79.3 ^A	61.3 ^A	81.3 ^A	79.3 ^A	171 ^A	282 ^A	230 ^A	270 ^A	8.53 ^A	5.04 ^A	2.16 ^A
07:45 PST	0.00 ^A	54.6 ^A	190 ^A	280 ^A	268 ^A	288 ^A	300 ^A	263 ^A	276 ^A	73.3 ^A	85.5 ^A	74.3 ^A	73.3 ^A	95.4 ^A	65.8 ^A	145 ^A	274 ^A	272 ^A	267 ^A	8.88 ^A	4.37 ^A	2.16 ^A
08:00 PST	0.00 ^A	53.0 ^A	179 ^A	296 ^A	268 ^A	286 ^A	302 ^A	270 ^A	259 ^A	71.4 ^A	100 ^A	75.3 ^A	69.5 ^A	86.6 ^A	72.3 ^A	164 ^A	267 ^A	276 ^A	286 ^A	9.62 ^A	4.37 ^A	2.35 ^A
08:15 PST	0.00 ^A	49.8 ^A	187 ^A	248 ^A	267 ^A	261 ^A	316 ^A	278 ^A	284 ^A	73.3 ^A	83.4 ^A	77.2 ^A	69.5 ^A	89.8 ^A	70.4 ^A	140 ^A	290 ^A	257 ^A	280 ^A	8.53 ^A	4.69 ^A	2.16 ^A
08:30 PST	0.00 ^A	49.1 ^A	152 ^A	314 ^A	314 ^A	306 ^A	323 ^A	259 ^A	237 ^A	75.3 ^A	86.6 ^A	71.4 ^A	73.3 ^A	88.7 ^A	60.5 ^A	149 ^A	268 ^A	257 ^A	272 ^A	9.25 ^A	4.69 ^A	1.99 ^A
08:45 PST	0.00 ^A	51.4 ^A	170 ^A	278 ^A	272 ^A	286 ^A	314 ^A	284 ^A	259 ^A	67.6 ^A	67.6 ^A	70.4 ^A	67.6 ^A	84.4 ^A	80.3 ^A	151 ^A	300 ^A	276 ^A	292 ^A	8.53 ^A	3.49 ^A	1.99 ^A
09:00 PST	0.00 ^A	49.8 ^A	168 ^A	292 ^A	302 ^A	290 ^A	310 ^A	290 ^A	284 ^A	71.4 ^A	81.3 ^A	67.6 ^A	73.3 ^A	93.1 ^A	68.5 ^A	148 ^A	286 ^A	276 ^A	263 ^A	7.86 ^A	4.06 ^A	2.16 ^A
09:15 PST	0.00 ^A	48.3 ^A	170 ^A	268 ^A	278 ^A	272 ^A	310 ^A	270 ^A	253 ^A	80.3 ^A	84.4 ^A	74.3 ^A	66.7 ^A	87.6 ^A	73.3 ^A	158 ^A	239 ^A	276 ^A	292 ^A	7.86 ^A	4.37 ^A	2.35 ^A
09:30 PST	0.00 ^A	59.6 ^A	153 ^A	259 ^A	318 ^A	282 ^A	316 ^A	267 ^A	288 ^A	71.4 ^A	90.9 ^A	78.2 ^A	70.4 ^A	87.6 ^A	64.0 ^A	153 ^A	284 ^A	272 ^A	280 ^A	8.53 ^A	4.37 ^A	2.16 ^A
09:45 PST	0.00 ^A	63.1 ^A	190 ^A	290 ^A	274 ^A	340 ^A	278 ^A	286 ^A	282 ^A	69.5 ^A	84.4 ^A	70.4 ^A	73.3 ^A	82.3 ^A	79.3 ^A	133 ^A	272 ^A	261 ^A	265 ^A	6.62 ^A	4.37 ^A	2.16 ^A
10:00 PST	0.00 ^A	63.1 ^A	184 ^A	314 ^A	276 ^A	296 ^A	272 ^A	276 ^A	276 ^A	71.4 ^A	94.3 ^A	73.3 ^A	72.3 ^A	97.7 ^A	64.0 ^A	164 ^A	294 ^A	253 ^A	270 ^A	7.54 ^A	4.06 ^A	2.16 ^A
10:15 PST	0.00 ^A	62.2 ^A	152 ^A	308 ^A	325 ^A	292 ^A	318 ^A	282 ^A	284 ^A	75.3 ^A	95.4 ^A	61.3 ^A	62.2 ^A	85.5 ^A	75.3 ^A	146 ^A	267 ^A	286 ^A	253 ^A	8.19 ^A	3.77 ^A	1.99 ^A
10:30 PST	0.00 ^A	62.2 ^A	181 ^A	316 ^A	253 ^A	280 ^A	288 ^A	284 ^A	243 ^A	72.3 ^A	92.0 ^A	68.5 ^A	71.4 ^A	88.7 ^A	74.3 ^A	133 ^A	298 ^A	270 ^A	272 ^A	7.22 ^A	4.06 ^A	2.16 ^A
10:45 PST	0.00 ^A	54.6 ^A	151 ^A	304 ^A	304 ^A	318 ^A	282 ^A	270 ^A	290 ^A	72.3 ^A	73.3 ^A	70.4 ^A	69.5 ^A	92.0 ^A	73.3 ^A	148 ^A	252 ^A	276 ^A	286 ^A	7.22 ^A	3.77 ^A	1.99 ^A
11:00 PST	0.00 ^A	54.6 ^A	155 ^A	333 ^A	318 ^A	320 ^A	270 ^A	272 ^A	314 ^A	74.3 ^A	82.3 ^A	71.4 ^A	72.3 ^A	81.3 ^A	58.7 ^A	148 ^A	259 ^A	252 ^A	284 ^A	6.34 ^A	3.77 ^A	2.16 ^A
11:15 PST	0.00 ^A	52.2 ^A	198 ^A	272 ^A	243 ^A	290 ^A	259 ^A	284 ^A	290 ^A	77.2 ^A	75.3 ^A	70.4 ^A	69.5 ^A	80.3 ^A	77.2 ^A	133 ^A	244 ^A	257 ^A	222 ^A	6.92 ^A	3.49 ^A	1.99 ^A
11:30 PST	0.00 ^A	49.1 ^A	193 ^A	253 ^A	270 ^A	284 ^A	304 ^A	278 ^A	263 ^A	76.2 ^A	83.4 ^A	65.8 ^A	78.2 ^A	80.3 ^A	77.2 ^A	165 ^A	286 ^A	286 ^A	141 ^A	6.92 ^A	3.77 ^A	1.99 ^A
11:45 PST	0.00 ^A	61.3 ^A	215 ^A	304 ^A	286 ^A	306 ^A	284 ^A	284 ^A	308 ^A	74.3 ^A	73.3 ^A	64.9 ^A	76.2 ^A	73.3 ^A	83.4 ^A	142 ^A	274 ^A	270 ^A	113 ^A	8.19 ^A	3.77 ^A	1.99 ^A
12:00 PST	0.00 ^A	73.3 ^A	192 ^A	338 ^A	312 ^A	286 ^A	274 ^A	280 ^A	250 ^A	84.4 ^A	80.3 ^A	64.9 ^A	70.4 ^A	80.3 ^A	119 ^A	164 ^A	255 ^A	272 ^A	82.3 ^A	12.4 ^A	3.49 ^A	1.99 ^A
12:15 PST	0.00 ^A	94.3 ^A	310 ^A	288 ^A	288 ^A	267 ^A	261 ^A	282 ^A	298 ^A	86.6 ^A	81.3 ^A	71.4 ^A	73.3 ^A	73.3 ^A	121 ^A	146 ^A	276 ^A	272 ^A	67.6 ^A	8.53 ^A	3.49 ^A	1.99 ^A
12:30 PST	0.00 ^A	114 ^A	255 ^A	298 ^A	327 ^A	296 ^A	265 ^A	304 ^A	286 ^A	95.4 ^A	80.3 ^A	72.3 ^A	82.3 ^A	80.3 ^A	140 ^A	153 ^A	286 ^A	292 ^A	57.1 ^A	7.22 ^A	3.49 ^A	1.99 ^A
12:45 PST	0.00 ^A	130 ^A	306 ^A	312 ^A	278 ^A	268 ^A	267 ^A	278 ^A	298 ^A	103 ^A	74.3 ^A	71.4 ^A	63.1 ^A	80.3 ^A	149 ^A	159 ^A	292 ^A	310 ^A	49.1 ^A	6.62 ^A	3.49 ^A	1.99 ^A
13:00 PST	0.00 ^A	151 ^A	241 ^A	302 ^A	267 ^A	280 ^A	312 ^A	312 ^A	265 ^A	107 ^A	76.2 ^A	70.4 ^A	75.3 ^A	86.6 ^A	146 ^A	149 ^A	272 ^A	246 ^A	49.1 ^A	6.92 ^A	4.06 ^A	1.99 ^A
13:15 PST	0.00 ^A	149 ^A	278 ^A	253 ^A	288 ^A	302 ^A	296 ^A	274 ^A	304 ^A	100 ^A	66.7 ^A	74.3 ^A	74.3 ^A	90.9 ^A	138 ^A	155 ^A	259 ^A	261 ^A	49.1 ^A	6.62 ^A	3.49 ^A	2.16 ^A
13:30 PST	0.00 ^A	149 ^A	280 ^A	338 ^A	302 ^A	294 ^A	300 ^A	268 ^A	294 ^A	100 ^A	64.9 ^A	75.3 ^A	63.1 ^A	75.3 ^A	142 ^A	171 ^A	292 ^A	250 ^A	42.5 ^A	7.22 ^A	3.77 ^A	1.99 ^A
13:45 PST	0.00 ^A	149 ^A	338 ^A	302 ^A	300 ^A	268 ^A	294 ^A	282 ^A	243 ^A	100 ^A	80.3 ^A	71.4 ^A	70.4 ^A	79.3 ^A	137 ^A	152 ^A	250 ^A	280 ^A	37.7 ^A	6.62 ^A	3.77 ^A	1.83 ^A
14:00 PST	0.00 ^A	158 ^A	284 ^A	278 ^A	327 ^A	276 ^A	280 ^A	270 ^A	255 ^A	107 ^A	76.2 ^A	62.2 ^A	71.4 ^A	70.4 ^A	158 ^A	137 ^A	263 ^A	268 ^A	35.2 ^A	5.79 ^A	4.06 ^A	1.83 ^A
14:15 PST	0.00 ^A	151 ^A	308 ^A	282 ^A	280 ^A	312 ^A	267 ^A	296 ^A	268 ^A	121 ^A	82.3 ^A	71.4 ^A	66.7 ^A	82.3 ^A	142 ^A	161 ^A	263 ^A	263 ^A	37.1 ^A	6.62 ^A	3.77 ^A	1.83 ^A
14:30 PST	0.00 ^A	162 ^A	261 ^A	308 ^A	312 ^A	267 ^A	268 ^A	290 ^A	267 ^A	120 ^A	79.3 ^A	75.3 ^A	79.3 ^A	84.4 ^A	165 ^A	149 ^A	261 ^A	296 ^A	33.3 ^A	5.53 ^A	3.49 ^A	1.99 ^A
14:45 PST	0.00 ^A	155 ^A	278 ^A	292 ^A	304 ^A	270 ^A	272 ^A	268 ^A	257 ^A	102 ^A	76.2 ^A	71.4 ^A	69.5 ^A	69.5 ^A	138 ^A	138 ^A	259 ^A	257 ^A	33.9 ^A	6.34 ^A	3.23 ^A	1.83 ^A
15:00 PST	0.00 ^A	159 ^A	280 ^A	316 ^A	318 ^A	292 ^A	294 ^A	265 ^A	267 ^A	96.5 ^A	73.3 ^A	67.6 ^A	80.3 ^A	77.2 ^A	137 ^A	171 ^A	282 ^A	276 ^A	30.9 ^A	6.06 ^A	3.49 ^A	1.67 ^A

TIME	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17	Feb 18
15:15 PST	0.00 ^A	155 ^A	308 ^A	296 ^A	286 ^A	282 ^A	261 ^A	280 ^A	267 ^A	102 ^A	67.6 ^A	66.7 ^A	70.4 ^A	78.2 ^A	151 ^A	155 ^A	263 ^A	259 ^A	23.8 ^A	6.06 ^A	3.23 ^A	1.67 ^A
15:30 PST	0.00 ^A	170 ^A	235 ^A	308 ^A	316 ^A	323 ^A	274 ^A	310 ^A	278 ^A	81.3 ^A	70.4 ^A	69.5 ^A	68.5 ^A	66.7 ^A	152 ^A	149 ^A	290 ^A	265 ^A	27.3 ^A	5.79 ^A	3.23 ^A	1.67 ^A
15:45 PST	0.00 ^A	165 ^A	246 ^A	331 ^A	267 ^A	284 ^A	272 ^A	259 ^A	276 ^A	85.5 ^A	70.4 ^A	74.3 ^A	78.2 ^A	83.4 ^A	146 ^A	152 ^A	280 ^A	288 ^A	26.7 ^A	6.34 ^A	2.99 ^A	1.83 ^A
16:00 PST	0.00 ^A	159 ^A	270 ^A	316 ^A	288 ^A	278 ^A	270 ^A	280 ^A	274 ^A	90.9 ^A	75.3 ^A	65.8 ^A	72.3 ^A	76.2 ^A	162 ^A	165 ^A	263 ^A	265 ^A	23.8 ^A	6.34 ^A	3.49 ^A	1.67 ^A
16:15 PST	32.7 ^A	168 ^A	300 ^A	272 ^A	268 ^A	252 ^A	288 ^A	298 ^A	268 ^A	88.7 ^A	63.1 ^A	71.4 ^A	66.7 ^A	75.3 ^A	153 ^A	144 ^A	288 ^A	286 ^A	24.9 ^A	6.34 ^A	3.23 ^A	1.83 ^A
16:30 PST	51.4 ^A	156 ^A	246 ^A	298 ^A	276 ^A	282 ^A	261 ^A	267 ^A	250 ^A	74.3 ^A	67.6 ^A	60.5 ^A	72.3 ^A	78.2 ^A	142 ^A	146 ^A	276 ^A	292 ^A	21.7 ^A	6.34 ^A	3.49 ^A	1.67 ^A
16:45 PST	50.6 ^A	173 ^A	267 ^A	261 ^A	267 ^A	280 ^A	298 ^A	278 ^A	282 ^A	86.6 ^A	75.3 ^A	75.3 ^A	71.4 ^A	72.3 ^A	149 ^A	146 ^A	288 ^A	268 ^A	23.3 ^A	6.92 ^A	2.99 ^A	1.99 ^A
17:00 PST	57.9 ^A	146 ^A	267 ^A	300 ^A	300 ^A	296 ^A	270 ^A	298 ^A	237 ^A	92.0 ^A	69.5 ^A	65.8 ^A	68.5 ^A	69.5 ^A	145 ^A	165 ^A	253 ^A	261 ^A	22.7 ^A	7.22 ^A	3.49 ^A	1.67 ^A
17:15 PST	56.2 ^A	161 ^A	286 ^A	320 ^A	274 ^A	288 ^A	237 ^A	304 ^A	232 ^A	87.6 ^A	75.3 ^A	75.3 ^A	68.5 ^A	80.3 ^A	152 ^A	164 ^A	276 ^A	282 ^A	22.2 ^A	6.92 ^A	3.23 ^A	1.83 ^A
17:30 PST	57.1 ^A	158 ^A	294 ^A	265 ^A	270 ^A	284 ^A	265 ^A	276 ^A	174 ^A	78.2 ^A	74.3 ^A	75.3 ^A	63.1 ^A	69.5 ^A	155 ^A	185 ^A	278 ^A	263 ^A	27.3 ^A	5.79 ^A	2.99 ^A	1.83 ^A
17:45 PST	63.1 ^A	148 ^A	235 ^A	282 ^A	333 ^A	282 ^A	232 ^A	276 ^A	126 ^A	78.2 ^A	68.5 ^A	73.3 ^A	66.7 ^A	73.3 ^A	168 ^A	213 ^A	259 ^A	259 ^A	28.5 ^A	6.34 ^A	2.99 ^A	1.99 ^A
18:00 PST	59.6 ^A	167 ^A	257 ^A	270 ^A	290 ^A	282 ^A	261 ^A	268 ^A	96.5 ^A	88.7 ^A	71.4 ^A	66.7 ^A	77.2 ^A	78.2 ^A	130 ^A	228 ^A	290 ^A	294 ^A	27.3 ^A	6.06 ^A	2.99 ^A	1.83 ^A
18:15 PST	63.1 ^A	164 ^A	280 ^A	294 ^A	268 ^A	304 ^A	250 ^A	253 ^A	100 ^A	80.3 ^A	75.3 ^A	69.5 ^A	71.4 ^A	71.4 ^A	182 ^A	252 ^A	267 ^A	267 ^A	25.5 ^A	5.28 ^A	2.99 ^A	1.67 ^A
18:30 PST	58.7 ^A	161 ^A	272 ^A	296 ^A	316 ^A	292 ^A	284 ^A	304 ^A	83.4 ^A	78.2 ^A	79.3 ^A	69.5 ^A	73.3 ^A	78.2 ^A	152 ^A	253 ^A	255 ^A	250 ^A	23.8 ^A	5.79 ^A	2.99 ^A	1.67 ^A
18:45 PST	49.8 ^A	164 ^A	263 ^A	296 ^A	298 ^A	282 ^A	300 ^A	292 ^A	77.2 ^A	88.7 ^A	76.2 ^A	70.4 ^A	74.3 ^A	86.6 ^A	168 ^A	263 ^A	270 ^A	248 ^A	27.3 ^A	5.28 ^A	2.99 ^A	1.67 ^A
19:00 PST	55.4 ^A	155 ^A	280 ^A	292 ^A	280 ^A	272 ^A	318 ^A	263 ^A	87.6 ^A	85.5 ^A	84.4 ^A	66.7 ^A	80.3 ^A	74.3 ^A	165 ^A	276 ^A	263 ^A	261 ^A	22.7 ^A	4.69 ^A	2.99 ^A	1.83 ^A
19:15 PST	52.2 ^A	165 ^A	288 ^A	292 ^A	288 ^A	294 ^A	265 ^A	270 ^A	79.3 ^A	73.3 ^A	71.4 ^A	66.7 ^A	92.0 ^A	82.3 ^A	159 ^A	237 ^A	255 ^A	278 ^A	18.7 ^A	5.79 ^A	3.23 ^A	1.67 ^A
19:30 PST	65.8 ^A	161 ^A	263 ^A	265 ^A	276 ^A	250 ^A	241 ^A	320 ^A	78.2 ^A	74.3 ^A	70.4 ^A	73.3 ^A	114 ^A	75.3 ^A	137 ^A	276 ^A	267 ^A	270 ^A	17.7 ^A	4.69 ^A	2.99 ^A	1.67 ^A
19:45 PST	62.2 ^A	168 ^A	261 ^A	280 ^A	257 ^A	308 ^A	268 ^A	286 ^A	80.3 ^A	88.7 ^A	79.3 ^A	71.4 ^A	115 ^A	74.3 ^A	128 ^A	263 ^A	284 ^A	265 ^A	14.7 ^A	5.28 ^A	2.99 ^A	1.83 ^A
20:00 PST	57.9 ^A	161 ^A	267 ^A	312 ^A	292 ^A	255 ^A	306 ^A	276 ^A	76.2 ^A	66.7 ^A	82.3 ^A	64.9 ^A	116 ^A	66.7 ^A	137 ^A	250 ^A	270 ^A	288 ^A	14.7 ^A	5.53 ^A	2.99 ^A	1.99 ^A
20:15 PST	49.1 ^A	165 ^A	270 ^A	304 ^A	253 ^A	265 ^A	294 ^A	268 ^A	74.3 ^A	72.3 ^A	73.3 ^A	72.3 ^A	132 ^A	77.2 ^A	138 ^A	265 ^A	265 ^A	276 ^A	16.0 ^A	5.28 ^A	2.99 ^A	1.67 ^A
20:30 PST	46.1 ^A	168 ^A	284 ^A	292 ^A	270 ^A	252 ^A	294 ^A	284 ^A	70.4 ^A	70.4 ^A	67.6 ^A	75.3 ^A	113 ^A	76.2 ^A	162 ^A	270 ^A	255 ^A	265 ^A	14.7 ^A	5.28 ^A	2.99 ^A	1.67 ^A
20:45 PST	48.3 ^A	161 ^A	318 ^A	308 ^A	292 ^A	304 ^A	270 ^A	274 ^A	72.3 ^A	75.3 ^A	66.7 ^A	71.4 ^A	114 ^A	79.3 ^A	146 ^A	282 ^A	246 ^A	270 ^A	14.3 ^A	5.79 ^A	2.76 ^A	1.53 ^A
21:00 PST	46.1 ^A	162 ^A	248 ^A	280 ^A	331 ^A	276 ^A	280 ^A	276 ^A	78.2 ^A	81.3 ^A	68.5 ^A	66.7 ^A	128 ^A	74.3 ^A	145 ^A	253 ^A	255 ^A	255 ^A	15.1 ^A	5.53 ^A	2.76 ^A	1.53 ^A
21:15 PST	52.2 ^A	170 ^A	323 ^A	261 ^A	296 ^A	259 ^A	253 ^A	280 ^A	73.3 ^A	73.3 ^A	64.0 ^A	69.5 ^A	141 ^A	65.8 ^A	140 ^A	246 ^A	298 ^A	282 ^A	16.0 ^A	6.92 ^A	2.76 ^A	1.83 ^A
21:30 PST	39.0 ^A	164 ^A	286 ^A	284 ^A	274 ^A	263 ^A	276 ^A	284 ^A	79.3 ^A	78.2 ^A	79.3 ^A	75.3 ^A	149 ^A	79.3 ^A	140 ^A	270 ^A	294 ^A	286 ^A	15.5 ^A	7.86 ^A	2.76 ^A	1.67 ^A
21:45 PST	47.5 ^A	146 ^A	280 ^A	331 ^A	300 ^A	274 ^A	261 ^A	294 ^A	79.3 ^A	88.7 ^A	74.3 ^A	70.4 ^A	153 ^A	76.2 ^A	165 ^A	274 ^A	257 ^A	263 ^A	14.7 ^A	8.88 ^A	2.76 ^A	1.67 ^A
22:00 PST	50.6 ^A	176 ^A	280 ^A	278 ^A	280 ^A	278 ^A	282 ^A	272 ^A	67.6 ^A	81.3 ^A	69.5 ^A	75.3 ^A	155 ^A	79.3 ^A	145 ^A	208 ^A	296 ^A	276 ^A	14.3 ^A	6.34 ^A	2.99 ^A	1.40 ^A
22:15 PST	48.3 ^A	162 ^A	290 ^A	274 ^A	294 ^A	296 ^A	323 ^A	320 ^A	71.4 ^A	85.5 ^A	83.4 ^A	71.4 ^A	119 ^A	79.3 ^A	132 ^A	292 ^A	276 ^A	288 ^A	13.5 ^A	6.06 ^A	2.99 ^A	1.53 ^A
22:30 PST	60.5 ^A	164 ^A	325 ^A	276 ^A	298 ^A	312 ^A	250 ^A	274 ^A	70.4 ^A	84.4 ^A	74.3 ^A	66.7 ^A	144 ^A	82.3 ^A	145 ^A	268 ^A	257 ^A	276 ^A	14.3 ^A	5.53 ^A	2.55 ^A	1.83 ^A
22:45 PST	52.2 ^A	165 ^A	286 ^A	298 ^A	294 ^A	306 ^A	261 ^A	272 ^A	79.3 ^A	92.0 ^A	75.3 ^A	76.2 ^A	141 ^A	66.7 ^A	144 ^A	265 ^A	302 ^A	286 ^A	13.9 ^A	7.54 ^A	2.76 ^A	1.53 ^A

TIME	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17	Feb 18
23:00 PST	64.0 ^A	171 ^A	308 ^A	323 ^A	265 ^A	267 ^A	292 ^A	286 ^A	79.3 ^A	85.5 ^A	72.3 ^A	67.6 ^A	142 ^A	71.4 ^A	165 ^A	263 ^A	270 ^A	298 ^A	12.0 ^A	7.86 ^A	2.76 ^A	1.53 ^A
23:15 PST	51.4 ^A	173 ^A	286 ^A	263 ^A	310 ^A	306 ^A	284 ^A	288 ^A	70.4 ^A	92.0 ^A	66.7 ^A	69.5 ^A	126 ^A	80.3 ^A	145 ^A	276 ^A	253 ^A	288 ^A	12.4 ^A	11.0 ^A	2.55 ^A	1.40 ^A
23:30 PST	49.1 ^A	165 ^A	335 ^A	284 ^A	265 ^A	290 ^A	276 ^A	286 ^A	71.4 ^A	105 ^A	72.3 ^A	72.3 ^A	153 ^A	74.3 ^A	142 ^A	274 ^A	325 ^A	270 ^A	12.4 ^A	5.79 ^A	2.76 ^A	1.53 ^A
23:45 PST	51.4 ^A	174 ^A	278 ^A	288 ^A	278 ^A	320 ^A	270 ^A	267 ^A	75.3 ^A	92.0 ^A	73.3 ^A	74.3 ^A	126 ^A	71.4 ^A	144 ^A	210 ^A	263 ^A	288 ^A	12.8 ^A	7.86 ^A	2.55 ^A	1.53 ^A
COUNT	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
MAX	65.8	176	338	353	338	346	344	329	314	121	100	80.3	155	140	182	292	325	310	294	14.7	11.0	2.99
MIN	0.00	43.2	149	248	243	241	223	237	67.6	64.0	62.2	60.5	58.7	65.8	58.7	128	222	230	12.0	4.69	2.55	1.40

Explanation

A	Approved for publication -- Processing and review completed.
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2012

Discharge, cubic feet per second

TIME	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11
00:00 PST	10.6 ^A	47.5 ^A	121 ^A	268 ^A	325 ^A	365 ^A	355 ^A	344 ^A	367 ^A	340 ^A	358 ^A	355 ^A	388 ^A	381 ^A	225 ^A	237 ^A	381 ^A	355 ^A	26.7 ^A
00:15 PST	10.6 ^A	44.6 ^A	125 ^A	252 ^A	335 ^A	351 ^A	365 ^A	338 ^A	342 ^A	346 ^A	367 ^A	379 ^A	349 ^A	355 ^A	228 ^A	243 ^A	333 ^A	358 ^A	26.1 ^A
00:30 PST	11.0 ^A	47.5 ^A	120 ^A	253 ^A	376 ^A	355 ^A	358 ^A	344 ^A	351 ^A	342 ^A	346 ^A	372 ^A	381 ^A	395 ^A	223 ^A	230 ^A	346 ^A	372 ^A	26.1 ^A
00:45 PST	10.6 ^A	49.1 ^A	119 ^A	255 ^A	335 ^A	346 ^A	344 ^A	342 ^A	360 ^A	365 ^A	372 ^A	367 ^A	383 ^A	381 ^A	234 ^A	222 ^A	365 ^A	353 ^A	25.5 ^A
01:00 PST	11.0 ^A	49.1 ^A	125 ^A	268 ^A	344 ^A	355 ^A	369 ^A	362 ^A	338 ^A	333 ^A	358 ^A	367 ^A	379 ^A	390 ^A	225 ^A	243 ^A	353 ^A	362 ^A	24.4 ^A
01:15 PST	12.8 ^A	49.1 ^A	128 ^A	253 ^A	349 ^A	342 ^A	353 ^A	329 ^A	346 ^A	360 ^A	346 ^A	372 ^A	381 ^A	398 ^A	230 ^A	225 ^A	369 ^A	360 ^A	23.3 ^A
01:30 PST	12.4 ^A	44.6 ^A	130 ^A	253 ^A	358 ^A	340 ^A	355 ^A	340 ^A	358 ^A	351 ^A	376 ^A	314 ^A	386 ^A	388 ^A	227 ^A	235 ^A	353 ^A	362 ^A	23.3 ^A
01:45 PST	12.4 ^A	46.8 ^A	120 ^A	257 ^A	349 ^A	365 ^A	365 ^A	327 ^A	353 ^A	355 ^A	355 ^A	372 ^A	374 ^A	376 ^A	230 ^A	218 ^A	365 ^A	355 ^A	22.7 ^A
02:00 PST	12.4 ^A	46.8 ^A	124 ^A	250 ^A	346 ^A	351 ^A	331 ^A	351 ^A	342 ^A	353 ^A	355 ^A	369 ^A	386 ^A	390 ^A	230 ^A	228 ^A	353 ^A	365 ^A	22.2 ^A
02:15 PST	12.4 ^A	48.3 ^A	123 ^A	253 ^A	353 ^A	349 ^A	351 ^A	338 ^A	355 ^A	374 ^A	369 ^A	367 ^A	367 ^A	342 ^A	237 ^A	227 ^A	362 ^A	358 ^A	20.6 ^A
02:30 PST	12.8 ^A	47.5 ^A	129 ^A	270 ^A	312 ^A	365 ^A	340 ^A	338 ^A	346 ^A	353 ^A	358 ^A	365 ^A	374 ^A	386 ^A	237 ^A	243 ^A	360 ^A	349 ^A	20.6 ^A
02:45 PST	13.1 ^A	44.6 ^A	115 ^A	272 ^A	333 ^A	318 ^A	333 ^A	353 ^A	365 ^A	351 ^A	360 ^A	369 ^A	381 ^A	362 ^A	232 ^A	225 ^A	369 ^A	360 ^A	21.1 ^A
03:00 PST	13.5 ^A	43.9 ^A	133 ^A	257 ^A	329 ^A	329 ^A	353 ^A	340 ^A	318 ^A	316 ^A	360 ^A	379 ^A	342 ^A	398 ^A	237 ^A	235 ^A	365 ^A	372 ^A	21.7 ^A
03:15 PST	13.1 ^A	47.5 ^A	128 ^A	248 ^A	342 ^A	362 ^A	331 ^A	351 ^A	367 ^A	351 ^A	346 ^A	383 ^A	369 ^A	374 ^A	223 ^A	208 ^A	360 ^A	367 ^A	20.1 ^A
03:30 PST	13.9 ^A	45.3 ^A	118 ^A	263 ^A	327 ^A	349 ^A	340 ^A	351 ^A	323 ^A	349 ^A	344 ^A	365 ^A	351 ^A	365 ^A	235 ^A	232 ^A	365 ^A	379 ^A	19.6 ^A
03:45 PST	13.5 ^A	49.1 ^A	130 ^A	263 ^A	333 ^A	335 ^A	351 ^A	338 ^A	318 ^A	331 ^A	379 ^A	383 ^A	365 ^A	374 ^A	227 ^A	230 ^A	372 ^A	349 ^A	18.7 ^A
04:00 PST	15.1 ^A	46.8 ^A	119 ^A	253 ^A	360 ^A	351 ^A	342 ^A	369 ^A	342 ^A	353 ^A	362 ^A	376 ^A	369 ^A	386 ^A	237 ^A	237 ^A	374 ^A	360 ^A	18.7 ^A
04:15 PST	14.7 ^A	44.6 ^A	110 ^A	252 ^A	346 ^A	353 ^A	351 ^A	355 ^A	369 ^A	351 ^A	353 ^A	379 ^A	379 ^A	383 ^A	239 ^A	252 ^A	353 ^A	362 ^A	18.7 ^A
04:30 PST	14.3 ^A	46.8 ^A	132 ^A	270 ^A	358 ^A	353 ^A	344 ^A	349 ^A	340 ^A	360 ^A	367 ^A	360 ^A	367 ^A	374 ^A	222 ^A	232 ^A	369 ^A	369 ^A	18.2 ^A
04:45 PST	15.1 ^A	48.3 ^A	120 ^A	270 ^A	342 ^A	340 ^A	342 ^A	372 ^A	327 ^A	349 ^A	358 ^A	379 ^A	374 ^A	379 ^A	237 ^A	234 ^A	346 ^A	351 ^A	17.7 ^A
05:00 PST	15.5 ^A	47.5 ^A	130 ^A	263 ^A	346 ^A	355 ^A	365 ^A	323 ^A	353 ^A	358 ^A	367 ^A	362 ^A	367 ^A	374 ^A	228 ^A	237 ^A	344 ^A	331 ^A	17.3 ^A
05:15 PST	17.7 ^A	48.3 ^A	119 ^A	274 ^A	358 ^A	369 ^A	360 ^A	331 ^A	358 ^A	360 ^A	360 ^A	358 ^A	376 ^A	390 ^A	230 ^A	216 ^A	372 ^A	372 ^A	18.2 ^A
05:30 PST	15.1 ^A	50.6 ^A	125 ^A	272 ^A	335 ^A	346 ^A	325 ^A	360 ^A	349 ^A	362 ^A	360 ^A	360 ^A	351 ^A	388 ^A	235 ^A	232 ^A	362 ^A	316 ^A	17.3 ^A
05:45 PST	14.7 ^A	48.3 ^A	121 ^A	257 ^A	344 ^A	351 ^A	351 ^A	327 ^A	372 ^A	351 ^A	358 ^A	379 ^A	372 ^A	400 ^A	239 ^A	232 ^A	369 ^A	362 ^A	16.4 ^A
06:00 PST	16.0 ^A	47.5 ^A	125 ^A	272 ^A	351 ^A	335 ^A	342 ^A	340 ^A	346 ^A	360 ^A	355 ^A	372 ^A	386 ^A	388 ^A	227 ^A	230 ^A	349 ^A	358 ^A	16.4 ^A
06:15 PST	16.4 ^A	49.1 ^A	136 ^A	268 ^A	346 ^A	346 ^A	349 ^A	342 ^A	338 ^A	335 ^A	365 ^A	369 ^A	376 ^A	374 ^A	223 ^A	234 ^A	376 ^A	360 ^A	16.0 ^A
06:30 PST	15.5 ^A	47.5 ^A	119 ^A	274 ^A	360 ^A	298 ^A	344 ^A	346 ^A	353 ^A	338 ^A	369 ^A	381 ^A	360 ^A	393 ^A	225 ^A	243 ^A	325 ^A	360 ^A	15.5 ^A
06:45 PST	16.0 ^A	48.3 ^A	124 ^A	276 ^A	369 ^A	331 ^A	358 ^A	355 ^A	353 ^A	362 ^A	327 ^A	376 ^A	372 ^A	367 ^A	239 ^A	230 ^A	362 ^A	325 ^A	15.5 ^A
07:00 PST	14.7 ^A	49.1 ^A	119 ^A	270 ^A	331 ^A	329 ^A	355 ^A	355 ^A	355 ^A	367 ^A	358 ^A	365 ^A	355 ^A	360 ^A	234 ^A	241 ^A	381 ^A	353 ^A	15.1 ^A
07:15 PST	16.4 ^A	50.6 ^A	124 ^A	280 ^A	340 ^A	338 ^A	369 ^A	358 ^A	318 ^A	358 ^A	365 ^A	372 ^A	351 ^A	358 ^A	239 ^A	225 ^A	360 ^A	365 ^A	14.3 ^A

TIME	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11
07:30 PST	15.5 ^A	50.6 ^A	115 ^A	286 ^A	331 ^A	331 ^A	383 ^A	360 ^A	344 ^A	355 ^A	360 ^A	360 ^A	374 ^A	351 ^A	215 ^A	216 ^A	372 ^A	372 ^A	15.5 ^A
07:45 PST	16.4 ^A	45.3 ^A	120 ^A	278 ^A	342 ^A	314 ^A	360 ^A	333 ^A	325 ^A	358 ^A	383 ^A	381 ^A	376 ^A	376 ^A	239 ^A	235 ^A	353 ^A	367 ^A	15.1 ^A
08:00 PST	16.4 ^A	46.1 ^A	119 ^A	284 ^A	349 ^A	340 ^A	338 ^A	360 ^A	335 ^A	362 ^A	365 ^A	369 ^A	365 ^A	398 ^A	222 ^A	235 ^A	353 ^A	369 ^A	14.7 ^A
08:15 PST	16.0 ^A	46.8 ^A	113 ^A	284 ^A	367 ^A	358 ^A	338 ^A	351 ^A	338 ^A	349 ^A	338 ^A	386 ^A	369 ^A	372 ^A	227 ^A	227 ^A	355 ^A	353 ^A	14.3 ^A
08:30 PST	16.4 ^A	47.5 ^A	110 ^A	274 ^A	355 ^A	355 ^A	365 ^A	362 ^A	344 ^A	360 ^A	360 ^A	369 ^A	379 ^A	362 ^A	235 ^A	241 ^A	360 ^A	369 ^A	12.8 ^A
08:45 PST	16.4 ^A	52.2 ^A	121 ^A	268 ^A	353 ^A	353 ^A	351 ^A	355 ^A	353 ^A	346 ^A	383 ^A	369 ^A	379 ^A	329 ^A	227 ^A	237 ^A	381 ^A	346 ^A	12.4 ^A
09:00 PST	16.0 ^A	49.1 ^A	119 ^A	278 ^A	346 ^A	333 ^A	333 ^A	349 ^A	338 ^A	369 ^A	369 ^A	331 ^A	355 ^A	381 ^A	234 ^A	239 ^A	351 ^A	335 ^A	12.8 ^A
09:15 PST	16.4 ^A	46.1 ^A	112 ^A	280 ^A	333 ^A	344 ^A	374 ^A	349 ^A	349 ^A	369 ^A	362 ^A	388 ^A	379 ^A	381 ^A	230 ^A	234 ^A	353 ^A	358 ^A	14.3 ^A
09:30 PST	16.0 ^A	49.1 ^A	121 ^A	286 ^A	351 ^A	342 ^A	333 ^A	355 ^A	344 ^A	351 ^A	355 ^A	386 ^A	365 ^A	383 ^A	218 ^A	243 ^A	358 ^A	367 ^A	13.9 ^A
09:45 PST	16.8 ^A	51.4 ^A	110 ^A	284 ^A	362 ^A	358 ^A	340 ^A	362 ^A	365 ^A	362 ^A	349 ^A	365 ^A	358 ^A	372 ^A	239 ^A	241 ^A	365 ^A	360 ^A	13.1 ^A
10:00 PST	16.4 ^A	51.4 ^A	115 ^A	282 ^A	362 ^A	353 ^A	362 ^A	304 ^A	353 ^A	351 ^A	360 ^A	369 ^A	383 ^A	362 ^A	237 ^A	239 ^A	369 ^A	355 ^A	13.1 ^A
10:15 PST	16.8 ^A	50.6 ^A	118 ^A	282 ^A	360 ^A	349 ^A	365 ^A	346 ^A	360 ^A	353 ^A	346 ^A	367 ^A	379 ^A	367 ^A	210 ^A	222 ^A	314 ^A	338 ^A	12.4 ^A
10:30 PST	16.8 ^A	51.4 ^A	113 ^A		355 ^A	358 ^A	365 ^A	358 ^A	355 ^A	325 ^A	362 ^A	388 ^A	390 ^A	393 ^A	228 ^A	228 ^A	369 ^A	358 ^A	12.8 ^A
10:45 PST	16.4 ^A	50.6 ^A	125 ^A	288 ^A	360 ^A	349 ^A	338 ^A	338 ^A	355 ^A	372 ^A	355 ^A	372 ^A	353 ^A	365 ^A	216 ^A	241 ^A	367 ^A	335 ^A	12.0 ^A
11:00 PST	16.4 ^A	46.1 ^A	110 ^A	278 ^A	344 ^A	360 ^A	374 ^A	358 ^A	351 ^A	349 ^A	360 ^A	374 ^A	376 ^A	376 ^A	234 ^A	265 ^A	376 ^A	376 ^A	12.4 ^A
11:15 PST	16.8 ^A	44.6 ^A	121 ^A	280 ^A	353 ^A	355 ^A	365 ^A	360 ^A	351 ^A	360 ^A	349 ^A	383 ^A	365 ^A	388 ^A	243 ^A	308 ^A	358 ^A	344 ^A	12.8 ^A
11:30 PST	17.3 ^A	50.6 ^A	129 ^A	294 ^A	360 ^A	355 ^A	369 ^A	367 ^A	362 ^A	365 ^A	367 ^A	358 ^A	372 ^A	365 ^A	241 ^A	342 ^A	365 ^A	346 ^A	11.7 ^A
11:45 PST	16.4 ^A	49.1 ^A	119 ^A	282 ^A	349 ^A	346 ^A	351 ^A	346 ^A	349 ^A	360 ^A	365 ^A	365 ^A	333 ^A	381 ^A	241 ^A	329 ^A	346 ^A	365 ^A	12.0 ^A
12:00 PST	16.4 ^A	46.1 ^A	123 ^A	290 ^A	355 ^A	358 ^A	349 ^A	362 ^A	355 ^A	346 ^A	372 ^A	381 ^A	383 ^A	376 ^A	241 ^A	349 ^A	353 ^A	355 ^A	12.0 ^A
12:15 PST	17.3 ^A	51.4 ^A	129 ^A	288 ^A	362 ^A	351 ^A	320 ^A	358 ^A	358 ^A	340 ^A	331 ^A	374 ^A	381 ^A	388 ^A	237 ^A	360 ^A	369 ^A	367 ^A	11.3 ^A
12:30 PST	16.8 ^A	49.8 ^A	146 ^A	296 ^A	335 ^A	346 ^A	358 ^A	360 ^A	340 ^A	346 ^A	355 ^A	365 ^A	374 ^A	379 ^A	235 ^A	367 ^A	369 ^A	360 ^A	11.7 ^A
12:45 PST	17.3 ^A	49.8 ^A	153 ^A	284 ^A	351 ^A	358 ^A	349 ^A	365 ^A	344 ^A	369 ^A	372 ^A	360 ^A	351 ^A	367 ^A	232 ^A	369 ^A	360 ^A	329 ^A	11.7 ^A
13:00 PST	16.8 ^A	64.0 ^A	168 ^A	286 ^A	344 ^A	349 ^A	351 ^A	331 ^A	360 ^A	351 ^A	381 ^A	365 ^A	386 ^A	381 ^A	243 ^A	362 ^A	351 ^A	369 ^A	10.6 ^A
13:15 PST	17.3 ^A	75.3 ^A	195 ^A	284 ^A	358 ^A	329 ^A	365 ^A	323 ^A	346 ^A	353 ^A	338 ^A	362 ^A	369 ^A	374 ^A	225 ^A	365 ^A	358 ^A	355 ^A	11.3 ^A
13:30 PST	16.8 ^A		205 ^A	284 ^A	369 ^A	349 ^A	367 ^A	346 ^A	360 ^A	327 ^A	329 ^A	367 ^A	346 ^A	383 ^A	230 ^A	367 ^A	358 ^A	365 ^A	11.3 ^A
13:45 PST	16.4 ^A	95.4 ^A	192 ^A	274 ^A	338 ^A	360 ^A	340 ^A	362 ^A	344 ^A	367 ^A	358 ^A	369 ^A	379 ^A	335 ^A	223 ^A	355 ^A	351 ^A	358 ^A	10.6 ^A
14:00 PST	16.0 ^A	106 ^A	215 ^A	300 ^A	362 ^A	353 ^A	362 ^A	367 ^A	338 ^A	353 ^A	367 ^A	367 ^A	355 ^A	381 ^A	230 ^A	367 ^A	374 ^A	340 ^A	10.6 ^A
14:15 PST	16.4 ^A		192 ^A	270 ^A	344 ^A	362 ^A	323 ^A	355 ^A	362 ^A	353 ^A	353 ^A	346 ^A	360 ^A	390 ^A	235 ^A	365 ^A	360 ^A	325 ^A	10.6 ^A
14:30 PST	16.8 ^A	125 ^A	211 ^A	298 ^A	344 ^A	349 ^A	376 ^A	353 ^A	369 ^A	340 ^A	369 ^A	379 ^A	390 ^A	338 ^A	216 ^A	365 ^A	372 ^A	355 ^A	10.0 ^A
14:45 PST	20.1 ^A		220 ^A	292 ^A	344 ^A	335 ^A	349 ^A	351 ^A	353 ^A	365 ^A	358 ^A	372 ^A	386 ^A	388 ^A	241 ^A	365 ^A	338 ^A	351 ^A	10.6 ^A
15:00 PST	22.7 ^A		218 ^A	300 ^A	353 ^A	338 ^A	338 ^A	325 ^A	355 ^A	367 ^A	367 ^A	374 ^A	365 ^A	353 ^A	228 ^A	365 ^A	362 ^A	344 ^A	11.3 ^A

TIME	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11
15:15 PST	28.5 ^A	124 ^A	215 ^A	286 ^A	323 ^A	360 ^A	340 ^A	355 ^A	351 ^A	349 ^A	369 ^A	376 ^A	365 ^A	379 ^A	227 ^A	360 ^A	346 ^A	358 ^A	10.3 ^A
15:30 PST	37.1 ^A	125 ^A	239 ^A	272 ^A	362 ^A	349 ^A	365 ^A	344 ^A	353 ^A	353 ^A	360 ^A	355 ^A	365 ^A	393 ^A	234 ^A	338 ^A	376 ^A	365 ^A	10.6 ^A
15:45 PST	37.7 ^A	128 ^A	239 ^A	286 ^A	349 ^A	349 ^A	342 ^A	349 ^A	355 ^A	346 ^A	320 ^A	383 ^A	390 ^A	376 ^A	230 ^A	362 ^A	365 ^A	331 ^A	10.6 ^A
16:00 PST	41.1 ^A	120 ^A	220 ^A	292 ^A	349 ^A	360 ^A	358 ^A	372 ^A	365 ^A	365 ^A	386 ^A	372 ^A	379 ^A	369 ^A	220 ^A	353 ^A	365 ^A	333 ^A	9.62 ^A
16:15 PST	44.6 ^A	126 ^A	234 ^A	298 ^A	365 ^A	355 ^A	340 ^A	333 ^A	340 ^A	362 ^A	372 ^A	362 ^A	372 ^A	367 ^A	215 ^A	386 ^A	369 ^A	312 ^A	9.62 ^A
16:30 PST	40.4 ^A	126 ^A	241 ^A	292 ^A	358 ^A	340 ^A	344 ^A	333 ^A	362 ^A	344 ^A	353 ^A	374 ^A	374 ^A	367 ^A	222 ^A	369 ^A	331 ^A	222 ^A	10.6 ^A
16:45 PST	45.3 ^A	129 ^A	250 ^A	286 ^A	367 ^A	362 ^A	351 ^A	342 ^A	346 ^A	353 ^A	381 ^A	340 ^A	381 ^A	376 ^A	227 ^A	358 ^A	369 ^A	144 ^A	10.0 ^A
17:00 PST	46.8 ^A	129 ^A	250 ^A	261 ^A	358 ^A	346 ^A	353 ^A	358 ^A	381 ^A	342 ^A	362 ^A	365 ^A	383 ^A	346 ^A	237 ^A	372 ^A	362 ^A	121 ^A	10.0 ^A
17:15 PST	48.3 ^A	126 ^A	253 ^A	286 ^A	344 ^A	344 ^A	353 ^A	355 ^A	358 ^A	367 ^A	376 ^A	340 ^A	360 ^A	369 ^A	216 ^A	338 ^A	355 ^A	98.8 ^A	9.25 ^A
17:30 PST	49.1 ^A	133 ^A	248 ^A	274 ^A	365 ^A	362 ^A	362 ^A	346 ^A	349 ^A	344 ^A	365 ^A	360 ^A	367 ^A	335 ^A	235 ^A	372 ^A	362 ^A	86.6 ^A	8.88 ^A
17:45 PST	46.1 ^A	134 ^A	241 ^A	284 ^A	355 ^A	353 ^A	333 ^A	349 ^A	360 ^A	353 ^A	379 ^A	369 ^A	379 ^A	302 ^A	232 ^A	360 ^A	362 ^A	82.3 ^A	9.62 ^A
18:00 PST	49.8 ^A	145 ^A	244 ^A	276 ^A	329 ^A	362 ^A	353 ^A	333 ^A	351 ^A	365 ^A	367 ^A	381 ^A	376 ^A	272 ^A	237 ^A	376 ^A	360 ^A	89.8 ^A	10.6 ^A
18:15 PST	49.8 ^A	142 ^A	261 ^A	298 ^A	353 ^A	353 ^A	349 ^A	308 ^A	360 ^A	346 ^A	360 ^A	367 ^A	390 ^A	257 ^A	227 ^A	333 ^A	369 ^A	86.6 ^A	9.25 ^A
18:30 PST	49.8 ^A	140 ^A	276 ^A	290 ^A	351 ^A	360 ^A	367 ^A	338 ^A	362 ^A	344 ^A	374 ^A	360 ^A	376 ^A	255 ^A	246 ^A	355 ^A	367 ^A	77.2 ^A	8.88 ^A
18:45 PST	50.6 ^A	133 ^A	268 ^A	284 ^A	355 ^A	342 ^A	360 ^A	365 ^A	318 ^A	362 ^A	367 ^A	367 ^A	390 ^A	234 ^A	225 ^A	369 ^A	367 ^A	71.4 ^A	8.88 ^A
19:00 PST	49.1 ^A	138 ^A	272 ^A	282 ^A	349 ^A	346 ^A	365 ^A	340 ^A	340 ^A	353 ^A	367 ^A	360 ^A	340 ^A	244 ^A	235 ^A	349 ^A	355 ^A	66.7 ^A	8.88 ^A
19:15 PST	49.8 ^A	130 ^A	259 ^A	302 ^A	360 ^A	351 ^A	331 ^A	374 ^A	344 ^A	358 ^A	365 ^A	388 ^A	379 ^A	234 ^A	230 ^A	360 ^A	349 ^A	61.3 ^A	8.53 ^A
19:30 PST	49.8 ^A	118 ^A	280 ^A	310 ^A	340 ^A	367 ^A	349 ^A	342 ^A	338 ^A	360 ^A	369 ^A	344 ^A	362 ^A	239 ^A	241 ^A	360 ^A	372 ^A	57.9 ^A	9.62 ^A
19:45 PST	46.8 ^A	118 ^A	274 ^A	292 ^A	344 ^A	353 ^A	340 ^A	344 ^A	360 ^A	358 ^A	365 ^A	376 ^A	369 ^A	239 ^A	230 ^A	344 ^A	360 ^A	51.4 ^A	8.19 ^A
20:00 PST	49.8 ^A	129 ^A	270 ^A	286 ^A	312 ^A	344 ^A	362 ^A	320 ^A	355 ^A	360 ^A	367 ^A	367 ^A	379 ^A	227 ^A	241 ^A	379 ^A	358 ^A	50.6 ^A	8.19 ^A
20:15 PST	49.8 ^A	128 ^A	274 ^A	296 ^A	344 ^A	362 ^A	355 ^A	360 ^A	349 ^A	351 ^A	383 ^A	355 ^A	367 ^A	227 ^A	218 ^A	369 ^A	372 ^A	45.3 ^A	8.19 ^A
20:30 PST	51.4 ^A	125 ^A	272 ^A	294 ^A	342 ^A	353 ^A	338 ^A	335 ^A	340 ^A	358 ^A	369 ^A	344 ^A	386 ^A	237 ^A	227 ^A	358 ^A	342 ^A	44.6 ^A	8.19 ^A
20:45 PST	51.4 ^A	125 ^A	274 ^A	290 ^A	360 ^A	338 ^A	342 ^A	342 ^A	360 ^A	349 ^A	362 ^A	374 ^A	390 ^A	235 ^A	222 ^A	362 ^A	358 ^A	41.8 ^A	8.19 ^A
21:00 PST	50.6 ^A	132 ^A	276 ^A	274 ^A	362 ^A	351 ^A	349 ^A	349 ^A	365 ^A	351 ^A	355 ^A	365 ^A	381 ^A	252 ^A	225 ^A	367 ^A	353 ^A	41.1 ^A	8.19 ^A
21:15 PST	50.6 ^A	128 ^A	280 ^A	292 ^A	340 ^A	325 ^A	346 ^A	353 ^A	344 ^A	362 ^A	349 ^A	358 ^A	381 ^A	241 ^A	228 ^A	362 ^A	369 ^A	39.0 ^A	8.19 ^A
21:30 PST	51.4 ^A	125 ^A	278 ^A	292 ^A	362 ^A	355 ^A	358 ^A	338 ^A	362 ^A	367 ^A	367 ^A	374 ^A	362 ^A	230 ^A	234 ^A	372 ^A	372 ^A	37.7 ^A	7.86 ^A
21:45 PST	54.6 ^A	123 ^A	282 ^A	288 ^A	358 ^A	353 ^A	331 ^A	362 ^A	372 ^A	351 ^A	349 ^A	386 ^A	388 ^A	239 ^A	230 ^A	329 ^A	362 ^A	34.5 ^A	8.19 ^A
22:00 PST	49.8 ^A	129 ^A	284 ^A	338 ^A	340 ^A	346 ^A	344 ^A	342 ^A	349 ^A	342 ^A	351 ^A	360 ^A	372 ^A	228 ^A	239 ^A	388 ^A	358 ^A	33.9 ^A	8.19 ^A
22:15 PST	50.6 ^A	130 ^A	288 ^A	331 ^A	349 ^A	351 ^A	358 ^A	362 ^A	365 ^A	369 ^A	383 ^A	360 ^A	338 ^A	239 ^A	239 ^A	351 ^A	349 ^A	33.3 ^A	6.92 ^A
22:30 PST	48.3 ^A	128 ^A	280 ^A	318 ^A	367 ^A	360 ^A	335 ^A	346 ^A	351 ^A	355 ^A	369 ^A	360 ^A	379 ^A	230 ^A	237 ^A	369 ^A	367 ^A	32.7 ^A	8.19 ^A
22:45 PST	51.4 ^A	121 ^A	292 ^A	335 ^A	351 ^A	367 ^A	346 ^A	365 ^A	360 ^A	374 ^A	358 ^A	383 ^A	381 ^A	223 ^A	228 ^A	338 ^A	360 ^A	30.4 ^A	7.86 ^A

TIME	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11
23:00 PST	48.3 ^A	121 ^A	278 ^A	353 ^A	353 ^A	353 ^A	346 ^A	338 ^A	349 ^A	338 ^A	379 ^A	365 ^A	381 ^A	227 ^A	237 ^A	372 ^A	353 ^A	29.8 ^A	8.19 ^A
23:15 PST	46.8 ^A	124 ^A	282 ^A	358 ^A	360 ^A	338 ^A	320 ^A	340 ^A	349 ^A	349 ^A	367 ^A	390 ^A	367 ^A	241 ^A	218 ^A	372 ^A	351 ^A	30.4 ^A	8.19 ^A
23:30 PST	51.4 ^A	132 ^A	272 ^A	335 ^A	353 ^A	335 ^A	344 ^A	351 ^A	342 ^A	367 ^A	367 ^A	374 ^A	374 ^A	225 ^A	232 ^A	365 ^A	376 ^A	29.2 ^A	7.86 ^A
23:45 PST	50.6 ^A	121 ^A	270 ^A	362 ^A	342 ^A	329 ^A	342 ^A	353 ^A	355 ^A	360 ^A	369 ^A	367 ^A	351 ^A	225 ^A	230 ^A	353 ^A	372 ^A	28.5 ^A	7.86 ^A
COUNT	96	92	96	95	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
MAX	54.6	145	292	362	376	369	383	374	381	374	386	390	390	400	246	388	381	379	26.7
MIN	10.6	43.9	110	248	312	298	320	304	318	316	320	314	333	223	210	208	314	28.5	6.92

Explanation

A	Approved for publication -- Processing and review completed.
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2013

Discharge, cubic feet per second

TIME	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5
00:00 PST	0.00 ^A	11.7 ^A	134 ^A	284 ^A	290 ^A	261 ^A	302 ^A	286 ^A	170 ^A	162 ^A	185 ^A	300 ^A	314 ^A	306 ^A	304 ^A	302 ^A	257 ^A	280 ^A	288 ^A
00:15 PST	0.00 ^A	15.5 ^A	121 ^A	272 ^A	290 ^A	234 ^A	296 ^A	310 ^A	174 ^A	168 ^A	173 ^A	308 ^A	316 ^A	292 ^A	304 ^A	312 ^A	284 ^A	292 ^A	263 ^A
00:30 PST	0.00 ^A	17.7 ^A	138 ^A	274 ^A	278 ^A	267 ^A	300 ^A	318 ^A	187 ^A	174 ^A	182 ^A	306 ^A	308 ^A	312 ^A	276 ^A	257 ^A	276 ^A	282 ^A	292 ^A
00:45 PST	0.00 ^A	20.6 ^A	144 ^A	227 ^A	294 ^A	261 ^A	312 ^A	308 ^A	177 ^A	185 ^A	190 ^A	316 ^A	312 ^A	308 ^A	306 ^A	288 ^A	272 ^A	288 ^A	288 ^A
01:00 PST	0.00 ^A	20.6 ^A	137 ^A	272 ^A	304 ^A	288 ^A	284 ^A	302 ^A	189 ^A	184 ^A	173 ^A	310 ^A	306 ^A	304 ^A	310 ^A	308 ^A	282 ^A	286 ^A	292 ^A
01:15 PST	0.00 ^A	22.7 ^A	138 ^A	270 ^A	280 ^A	284 ^A	310 ^A	310 ^A	190 ^A	176 ^A	185 ^A	325 ^A	316 ^A	310 ^A	298 ^A	304 ^A	282 ^A	284 ^A	253 ^A
01:30 PST	0.00 ^A	24.9 ^A	142 ^A	263 ^A	288 ^A	288 ^A	320 ^A	300 ^A	182 ^A	189 ^A	181 ^A	312 ^A	282 ^A	306 ^A	280 ^A	282 ^A	296 ^A	294 ^A	280 ^A
01:45 PST	0.00 ^A	27.3 ^A	146 ^A	268 ^A	278 ^A	268 ^A	308 ^A	320 ^A	198 ^A	173 ^A	187 ^A	316 ^A	312 ^A	296 ^A	296 ^A	290 ^A	302 ^A	288 ^A	268 ^A
02:00 PST	0.00 ^A	27.9 ^A	136 ^A	244 ^A	286 ^A	294 ^A	302 ^A	312 ^A	168 ^A	189 ^A	177 ^A	312 ^A	320 ^A	292 ^A	306 ^A	284 ^A	286 ^A	272 ^A	270 ^A
02:15 PST	0.00 ^A	30.9 ^A	140 ^A	272 ^A	276 ^A	292 ^A	308 ^A	312 ^A	185 ^A	161 ^A	176 ^A	310 ^A	298 ^A	316 ^A	302 ^A	272 ^A	296 ^A	276 ^A	292 ^A
02:30 PST	0.00 ^A	30.9 ^A	136 ^A	268 ^A	312 ^A	302 ^A	308 ^A	296 ^A	187 ^A	171 ^A	171 ^A	320 ^A	314 ^A	302 ^A	288 ^A	267 ^A	298 ^A	288 ^A	270 ^A
02:45 PST	0.00 ^A	30.4 ^A	153 ^A	259 ^A	286 ^A	296 ^A	300 ^A	302 ^A	182 ^A	179 ^A	185 ^A	308 ^A	290 ^A	294 ^A	286 ^A	278 ^A	284 ^A	288 ^A	278 ^A
03:00 PST	0.00 ^A	32.7 ^A	141 ^A	267 ^A	282 ^A	276 ^A	310 ^A	280 ^A	170 ^A	177 ^A	181 ^A	320 ^A	310 ^A	286 ^A	300 ^A	284 ^A	290 ^A	286 ^A	270 ^A
03:15 PST	0.00 ^A	33.9 ^A	146 ^A	270 ^A	288 ^A	286 ^A	300 ^A	304 ^A	168 ^A	179 ^A	176 ^A	312 ^A	298 ^A	292 ^A	304 ^A	298 ^A	296 ^A	282 ^A	284 ^A
03:30 PST	0.00 ^A	33.3 ^A	140 ^A	286 ^A	296 ^A	261 ^A	312 ^A	335 ^A	190 ^A	167 ^A	168 ^A	316 ^A	296 ^A	314 ^A	290 ^A	310 ^A	292 ^A	290 ^A	272 ^A
03:45 PST	0.00 ^A	35.8 ^A	138 ^A	290 ^A	296 ^A	268 ^A	300 ^A	318 ^A	185 ^A	187 ^A	197 ^A	316 ^A	302 ^A	312 ^A	284 ^A	296 ^A	290 ^A	296 ^A	278 ^A
04:00 PST	0.00 ^A	36.4 ^A	146 ^A	274 ^A	306 ^A	292 ^A	306 ^A	325 ^A	181 ^A	161 ^A	179 ^A	286 ^A	294 ^A	304 ^A	290 ^A	261 ^A	282 ^A	276 ^A	288 ^A
04:15 PST	0.00 ^A	35.8 ^A	151 ^A	272 ^A	286 ^A	265 ^A	312 ^A	310 ^A	195 ^A	164 ^A	182 ^A	308 ^A	294 ^A	304 ^A	306 ^A	296 ^A	280 ^A	292 ^A	276 ^A
04:30 PST	0.00 ^A	36.4 ^A	146 ^A	284 ^A	290 ^A	286 ^A	308 ^A	288 ^A	164 ^A	173 ^A	189 ^A	280 ^A	300 ^A	292 ^A	298 ^A	296 ^A	300 ^A	282 ^A	294 ^A
04:45 PST	0.00 ^A	34.5 ^A	146 ^A	257 ^A	282 ^A	298 ^A	312 ^A	329 ^A	182 ^A	176 ^A	184 ^A	312 ^A	308 ^A	300 ^A	257 ^A	298 ^A	292 ^A	278 ^A	296 ^A
05:00 PST	0.00 ^A	38.4 ^A	149 ^A	284 ^A	304 ^A	261 ^A	312 ^A	306 ^A	187 ^A	170 ^A	197 ^A	310 ^A	290 ^A	290 ^A	302 ^A	298 ^A	286 ^A	288 ^A	255 ^A
05:15 PST	0.00 ^A	39.0 ^A	146 ^A	268 ^A	286 ^A	300 ^A	304 ^A	292 ^A	179 ^A	176 ^A	185 ^A	314 ^A	306 ^A	310 ^A	278 ^A	288 ^A	282 ^A	274 ^A	274 ^A
05:30 PST	0.00 ^A	36.4 ^A	125 ^A	288 ^A	302 ^A	274 ^A	290 ^A	300 ^A	168 ^A	181 ^A	189 ^A	308 ^A	298 ^A	312 ^A	294 ^A	288 ^A	288 ^A	243 ^A	274 ^A
05:45 PST	0.00 ^A	37.1 ^A	151 ^A	270 ^A	296 ^A	280 ^A	308 ^A	308 ^A	184 ^A	176 ^A	179 ^A	304 ^A	310 ^A	327 ^A	288 ^A	290 ^A	298 ^A	298 ^A	270 ^A
06:00 PST	0.00 ^A	37.7 ^A	148 ^A	296 ^A	302 ^A	284 ^A	314 ^A	312 ^A	168 ^A	176 ^A	177 ^A	304 ^A	320 ^A	304 ^A	298 ^A	280 ^A	300 ^A	284 ^A	286 ^A
06:15 PST	0.00 ^A	37.1 ^A	151 ^A	270 ^A	306 ^A	298 ^A	304 ^A	304 ^A	177 ^A	185 ^A	185 ^A	282 ^A	294 ^A	316 ^A	282 ^A	292 ^A	259 ^A	259 ^A	274 ^A
06:30 PST	0.00 ^A	38.4 ^A	153 ^A	288 ^A	302 ^A	288 ^A	314 ^A	327 ^A	165 ^A	173 ^A	179 ^A	304 ^A	292 ^A	310 ^A	280 ^A	306 ^A	302 ^A	272 ^A	282 ^A
06:45 PST	0.00 ^A	38.4 ^A	144 ^A	255 ^A	304 ^A	274 ^A	294 ^A	276 ^A	184 ^A	182 ^A	184 ^A	314 ^A	292 ^A	282 ^A	290 ^A	278 ^A	284 ^A	292 ^A	248 ^A
07:00 PST	0.00 ^A	41.1 ^A	152 ^A	282 ^A	306 ^A	288 ^A	306 ^A	329 ^A	156 ^A	167 ^A	179 ^A	308 ^A	316 ^A	294 ^A	298 ^A	298 ^A	272 ^A	290 ^A	276 ^A
07:15 PST	0.00 ^A	39.7 ^A	149 ^A	290 ^A	290 ^A	280 ^A	323 ^A	304 ^A	173 ^A	187 ^A	182 ^A	284 ^A	318 ^A	306 ^A	298 ^A	306 ^A	290 ^A	292 ^A	284 ^A

TIME	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5
07:30 PST	0.00 ^A	39.7 ^A	153 ^A	302 ^A	282 ^A	294 ^A	302 ^A	320 ^A	192 ^A	179 ^A	181 ^A	306 ^A	310 ^A	294 ^A	300 ^A	300 ^A	296 ^A	255 ^A	286 ^A
07:45 PST	0.00 ^A	39.0 ^A	146 ^A	259 ^A	292 ^A	263 ^A	278 ^A	308 ^A	174 ^A	173 ^A	177 ^A	310 ^A	318 ^A	314 ^A	310 ^A	290 ^A	304 ^A	268 ^A	274 ^A
08:00 PST	0.00 ^A	40.4 ^A	152 ^A	276 ^A	282 ^A	296 ^A	298 ^A	288 ^A	189 ^A	168 ^A	170 ^A	306 ^A	318 ^A	304 ^A	300 ^A	304 ^A	290 ^A	286 ^A	290 ^A
08:15 PST	0.00 ^A	41.1 ^A	149 ^A	263 ^A	310 ^A	296 ^A	304 ^A	314 ^A	177 ^A	185 ^A	174 ^A	306 ^A	280 ^A	288 ^A	294 ^A	286 ^A	268 ^A	290 ^A	259 ^A
08:30 PST	0.00 ^A	43.2 ^A	140 ^A	274 ^A	306 ^A	296 ^A	304 ^A	308 ^A	173 ^A	184 ^A	177 ^A	290 ^A	300 ^A	312 ^A	312 ^A	308 ^A	261 ^A	286 ^A	282 ^A
08:45 PST	0.00 ^A	42.5 ^A	156 ^A	284 ^A	292 ^A	294 ^A	296 ^A	344 ^A	165 ^A	165 ^A	164 ^A	304 ^A	318 ^A	308 ^A	284 ^A	270 ^A	278 ^A	284 ^A	265 ^A
09:00 PST	0.00 ^A	41.8 ^A	151 ^A	292 ^A	298 ^A	300 ^A	312 ^A	304 ^A	170 ^A	185 ^A	190 ^A	300 ^A	312 ^A	304 ^A	292 ^A	274 ^A	294 ^A	288 ^A	272 ^A
09:15 PST	0.00 ^A	41.8 ^A	151 ^A	290 ^A	304 ^A	282 ^A	306 ^A	276 ^A	168 ^A	177 ^A	174 ^A	312 ^A	294 ^A	308 ^A	306 ^A	302 ^A	280 ^A	284 ^A	284 ^A
09:30 PST	0.00 ^A	42.5 ^A	153 ^A	280 ^A	290 ^A	294 ^A	312 ^A	329 ^A	174 ^A	173 ^A	189 ^A	310 ^A	320 ^A	312 ^A	292 ^A	292 ^A	284 ^A	284 ^A	278 ^A
09:45 PST	0.00 ^A	42.5 ^A	144 ^A	308 ^A	294 ^A	300 ^A	304 ^A	314 ^A	174 ^A	173 ^A	161 ^A	304 ^A	306 ^A	292 ^A	292 ^A	276 ^A	292 ^A	288 ^A	280 ^A
10:00 PST	0.00 ^A	41.8 ^A	146 ^A	270 ^A	286 ^A	296 ^A	304 ^A	306 ^A	176 ^A	195 ^A	185 ^A	306 ^A	298 ^A	298 ^A	290 ^A	280 ^A	292 ^A	276 ^A	272 ^A
10:15 PST	0.00 ^A	43.2 ^A	155 ^A	265 ^A	296 ^A	302 ^A	296 ^A	314 ^A	182 ^A	176 ^A	185 ^A	314 ^A	288 ^A	316 ^A	292 ^A	304 ^A	292 ^A	261 ^A	263 ^A
10:30 PST	0.00 ^A	41.1 ^A	142 ^A	255 ^A	308 ^A	286 ^A	304 ^A	312 ^A	179 ^A	174 ^A	184 ^A	288 ^A	292 ^A	294 ^A	308 ^A	294 ^A	286 ^A	282 ^A	265 ^A
10:45 PST	0.00 ^A	44.6 ^A	149 ^A	298 ^A	306 ^A	259 ^A	300 ^A	306 ^A	168 ^A	185 ^A	182 ^A	320 ^A	286 ^A	302 ^A	288 ^A	304 ^A	278 ^A	292 ^A	211 ^A
11:00 PST	0.00 ^A	43.2 ^A	151 ^A	268 ^A	296 ^A	302 ^A	329 ^A	308 ^A	184 ^A	181 ^A	167 ^A	308 ^A	318 ^A	310 ^A	296 ^A	294 ^A	286 ^A	274 ^A	142 ^A
11:15 PST	0.00 ^A	42.5 ^A	151 ^A	278 ^A	284 ^A	284 ^A	298 ^A	296 ^A	159 ^A	182 ^A	193 ^A	296 ^A	300 ^A	316 ^A	304 ^A	261 ^A	286 ^A	288 ^A	113 ^A
11:30 PST	0.00 ^A	43.2 ^A	145 ^A	288 ^A	304 ^A	302 ^A	304 ^A	268 ^A	174 ^A	173 ^A	193 ^A	308 ^A	304 ^A	300 ^A	296 ^A	296 ^A	306 ^A	284 ^A	88.7 ^A
11:45 PST	0.00 ^A	42.5 ^A	153 ^A	284 ^A	320 ^A	284 ^A	290 ^A	218 ^A	156 ^A	167 ^A	205 ^A	302 ^A	323 ^A	302 ^A	294 ^A	298 ^A	286 ^A	265 ^A	79.3 ^A
12:00 PST	0.00 ^A	42.5 ^A	158 ^A	278 ^A	300 ^A	288 ^A	312 ^A	202 ^A	189 ^A	189 ^A	222 ^A	304 ^A	286 ^A	302 ^A	294 ^A	282 ^A	294 ^A	284 ^A	65.8 ^A
12:15 PST	0.00 ^A	49.8 ^A	161 ^A	288 ^A	235 ^A	274 ^A	312 ^A	192 ^A	190 ^A	185 ^A	235 ^A	316 ^A	308 ^A	312 ^A	308 ^A	286 ^A	302 ^A	276 ^A	59.6 ^A
12:30 PST	0.00 ^A	60.5 ^A	206 ^A	282 ^A	292 ^A	276 ^A	294 ^A	181 ^A	176 ^A	184 ^A	261 ^A	304 ^A	306 ^A	294 ^A	274 ^A	284 ^A	304 ^A	276 ^A	56.2 ^A
12:45 PST	0.00 ^A	74.3 ^A	216 ^A	274 ^A	304 ^A	294 ^A	294 ^A	185 ^A	177 ^A	185 ^A	290 ^A	310 ^A	288 ^A	306 ^A	278 ^A	300 ^A	294 ^A	278 ^A	51.4 ^A
13:00 PST	0.00 ^A	83.4 ^A	228 ^A	296 ^A	284 ^A	292 ^A	312 ^A	162 ^A	177 ^A	181 ^A	294 ^A	292 ^A	300 ^A	316 ^A	300 ^A	292 ^A	296 ^A	282 ^A	48.3 ^A
13:15 PST	0.00 ^A	93.1 ^A	239 ^A	288 ^A	270 ^A	292 ^A	318 ^A	181 ^A	177 ^A	179 ^A	306 ^A	316 ^A	302 ^A	306 ^A	306 ^A	292 ^A	294 ^A	282 ^A	41.8 ^A
13:30 PST	0.00 ^A	106 ^A	259 ^A	270 ^A	294 ^A	280 ^A	314 ^A	181 ^A	176 ^A	189 ^A	310 ^A	318 ^A	294 ^A	302 ^A	278 ^A	292 ^A	298 ^A	288 ^A	41.8 ^A
13:45 PST	0.00 ^A	101 ^A	250 ^A	274 ^A	280 ^A	296 ^A	316 ^A	176 ^A	187 ^A	181 ^A	316 ^A	306 ^A	320 ^A	290 ^A	294 ^A	298 ^A	282 ^A	280 ^A	39.0 ^A
14:00 PST	0.00 ^A	108 ^A	263 ^A	290 ^A	290 ^A	298 ^A	302 ^A	176 ^A	173 ^A	173 ^A	298 ^A	310 ^A	312 ^A	304 ^A	288 ^A	286 ^A	298 ^A	280 ^A	37.1 ^A
14:15 PST	0.00 ^A	121 ^A	244 ^A	294 ^A	278 ^A	282 ^A	323 ^A	179 ^A	164 ^A	173 ^A	310 ^A	308 ^A	304 ^A	292 ^A	282 ^A	296 ^A	292 ^A	286 ^A	36.4 ^A
14:30 PST	0.00 ^A	120 ^A	255 ^A	294 ^A	298 ^A	302 ^A	308 ^A	187 ^A	162 ^A	179 ^A	298 ^A	274 ^A	300 ^A	278 ^A	302 ^A	300 ^A	274 ^A	276 ^A	33.9 ^A
14:45 PST	0.00 ^A	121 ^A	257 ^A	286 ^A	288 ^A	298 ^A	314 ^A	187 ^A	173 ^A	176 ^A	320 ^A	296 ^A	314 ^A	286 ^A	290 ^A	296 ^A	261 ^A	298 ^A	31.5 ^A
15:00 PST	0.00 ^A	125 ^A	250 ^A	296 ^A	298 ^A	302 ^A	327 ^A	195 ^A	165 ^A	173 ^A	300 ^A	314 ^A	265 ^A	296 ^A	308 ^A	290 ^A	288 ^A	300 ^A	30.4 ^A

TIME	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5
15:15 PST	0.00 ^A	128 ^A	253 ^A	302 ^A	304 ^A	298 ^A	306 ^A	190 ^A	162 ^A	176 ^A	288 ^A	312 ^A	300 ^A	308 ^A	300 ^A	292 ^A	280 ^A	292 ^A	29.8 ^A
15:30 PST	0.00 ^A	130 ^A	270 ^A	298 ^A	265 ^A	298 ^A	294 ^A	177 ^A	197 ^A	189 ^A	316 ^A	302 ^A	306 ^A	284 ^A	296 ^A	276 ^A	300 ^A	294 ^A	29.8 ^A
15:45 PST	0.00 ^A	129 ^A	265 ^A	294 ^A	296 ^A	306 ^A	308 ^A	176 ^A	182 ^A	179 ^A	296 ^A	304 ^A	300 ^A	298 ^A	298 ^A	296 ^A	263 ^A	265 ^A	26.1 ^A
16:00 PST	0.00 ^A	130 ^A	257 ^A	272 ^A	292 ^A	296 ^A	325 ^A	185 ^A	174 ^A	167 ^A	314 ^A	288 ^A	290 ^A	296 ^A	296 ^A	308 ^A	294 ^A	282 ^A	26.1 ^A
16:15 PST	0.00 ^A	133 ^A	270 ^A	296 ^A	290 ^A	292 ^A	323 ^A	189 ^A	174 ^A	174 ^A	316 ^A	290 ^A	308 ^A	296 ^A	306 ^A	306 ^A	288 ^A	274 ^A	25.5 ^A
16:30 PST	0.00 ^A	138 ^A	255 ^A	286 ^A	290 ^A	300 ^A	329 ^A	185 ^A	152 ^A	179 ^A	300 ^A	318 ^A	310 ^A	290 ^A	304 ^A	310 ^A	278 ^A	263 ^A	24.4 ^A
16:45 PST	0.00 ^A	138 ^A	267 ^A	284 ^A	298 ^A	302 ^A	316 ^A	182 ^A	176 ^A	182 ^A	312 ^A	300 ^A	304 ^A	306 ^A	318 ^A	304 ^A	292 ^A	263 ^A	23.3 ^A
17:00 PST	0.00 ^A	137 ^A	274 ^A	288 ^A	304 ^A	306 ^A	310 ^A	177 ^A	173 ^A	165 ^A	312 ^A	298 ^A	306 ^A	304 ^A	284 ^A	300 ^A	286 ^A	286 ^A	22.7 ^A
17:15 PST	0.00 ^A	136 ^A	272 ^A	294 ^A	304 ^A	304 ^A	312 ^A	184 ^A	187 ^A	182 ^A	308 ^A	300 ^A	284 ^A	284 ^A	312 ^A	308 ^A	248 ^A	286 ^A	21.7 ^A
17:30 PST	0.00 ^A	138 ^A	276 ^A	274 ^A	292 ^A	253 ^A	306 ^A	187 ^A	190 ^A	182 ^A	312 ^A	308 ^A	300 ^A	302 ^A	282 ^A	274 ^A	265 ^A	286 ^A	21.1 ^A
17:45 PST	0.00 ^A	137 ^A	259 ^A	286 ^A	288 ^A	312 ^A	312 ^A	159 ^A	177 ^A	174 ^A	316 ^A	302 ^A	296 ^A	294 ^A	302 ^A	282 ^A	282 ^A	294 ^A	21.1 ^A
18:00 PST	0.00 ^A	141 ^A	268 ^A	280 ^A	282 ^A	298 ^A	308 ^A	185 ^A	167 ^A	195 ^A	302 ^A	320 ^A	306 ^A	320 ^A	302 ^A	288 ^A	272 ^A	288 ^A	20.1 ^A
18:15 PST	0.00 ^A	124 ^A	272 ^A	265 ^A	298 ^A	302 ^A	300 ^A	185 ^A	176 ^A	179 ^A	320 ^A	298 ^A	316 ^A	294 ^A	306 ^A	284 ^A	284 ^A	284 ^A	20.1 ^A
18:30 PST	0.00 ^A	134 ^A	265 ^A	280 ^A	294 ^A	265 ^A	302 ^A	173 ^A	187 ^A	171 ^A	314 ^A	310 ^A	320 ^A	302 ^A	263 ^A	296 ^A	261 ^A	268 ^A	20.1 ^A
18:45 PST	0.00 ^A	141 ^A	257 ^A	270 ^A	310 ^A	312 ^A	310 ^A	184 ^A	179 ^A	165 ^A	306 ^A	312 ^A	292 ^A	310 ^A	282 ^A	292 ^A	292 ^A	294 ^A	19.2 ^A
19:00 PST	0.00 ^A	133 ^A	265 ^A	304 ^A	298 ^A	296 ^A	331 ^A	173 ^A	187 ^A	182 ^A	327 ^A	308 ^A	280 ^A	298 ^A	272 ^A	286 ^A	296 ^A	288 ^A	18.7 ^A
19:15 PST	0.00 ^A	140 ^A	267 ^A	274 ^A	288 ^A	282 ^A	316 ^A	173 ^A	171 ^A	173 ^A	306 ^A	306 ^A	304 ^A	294 ^A	302 ^A	298 ^A	274 ^A	290 ^A	18.7 ^A
19:30 PST	0.00 ^A	137 ^A	268 ^A	280 ^A	292 ^A	312 ^A	318 ^A	165 ^A	181 ^A	164 ^A	314 ^A	294 ^A	296 ^A	310 ^A	282 ^A	300 ^A	282 ^A	278 ^A	18.2 ^A
19:45 PST	0.00 ^A	140 ^A	246 ^A	296 ^A	270 ^A	306 ^A	292 ^A	184 ^A	177 ^A	174 ^A	296 ^A	312 ^A	294 ^A	298 ^A	292 ^A	304 ^A	296 ^A	276 ^A	17.3 ^A
20:00 PST	0.00 ^A	132 ^A	250 ^A	296 ^A	253 ^A	312 ^A	312 ^A	162 ^A	176 ^A	187 ^A	298 ^A	312 ^A	312 ^A	306 ^A	312 ^A	284 ^A	284 ^A	288 ^A	17.3 ^A
20:15 PST	0.00 ^A	142 ^A	252 ^A	290 ^A	253 ^A	298 ^A	302 ^A	185 ^A	170 ^A	187 ^A	296 ^A	304 ^A	310 ^A	312 ^A	294 ^A	268 ^A	274 ^A	288 ^A	16.0 ^A
20:30 PST	0.00 ^A	129 ^A	272 ^A	270 ^A	244 ^A	308 ^A	308 ^A	170 ^A	174 ^A	174 ^A	323 ^A	306 ^A	306 ^A	288 ^A	302 ^A	290 ^A	263 ^A	284 ^A	16.4 ^A
20:45 PST	0.00 ^A	129 ^A	250 ^A	294 ^A	215 ^A	310 ^A	308 ^A	182 ^A	174 ^A	176 ^A	274 ^A	316 ^A	300 ^A	304 ^A	298 ^A	296 ^A	248 ^A	286 ^A	16.0 ^A
21:00 PST	0.00 ^A	142 ^A	268 ^A	302 ^A	235 ^A	308 ^A	316 ^A	181 ^A	184 ^A	187 ^A	312 ^A	314 ^A	314 ^A	300 ^A	292 ^A	288 ^A	276 ^A	286 ^A	16.0 ^A
21:15 PST	0.00 ^A	138 ^A	263 ^A	280 ^A	272 ^A	304 ^A	306 ^A	181 ^A	168 ^A	162 ^A	314 ^A	290 ^A	304 ^A	304 ^A	294 ^A	288 ^A	282 ^A	272 ^A	15.1 ^A
21:30 PST	0.00 ^A	141 ^A	257 ^A	302 ^A	276 ^A	325 ^A	282 ^A	173 ^A	190 ^A	177 ^A	296 ^A	302 ^A	308 ^A	294 ^A	308 ^A	282 ^A	292 ^A	268 ^A	15.1 ^A
21:45 PST	0.00 ^A	145 ^A	259 ^A	270 ^A	282 ^A	300 ^A	314 ^A	192 ^A	176 ^A	176 ^A	300 ^A	302 ^A	302 ^A	314 ^A	282 ^A	257 ^A	306 ^A	274 ^A	15.5 ^A
22:00 PST	0.00 ^A	133 ^A	270 ^A	286 ^A	278 ^A	318 ^A	308 ^A	158 ^A	168 ^A	190 ^A	296 ^A	314 ^A	310 ^A	306 ^A	302 ^A	284 ^A	282 ^A	286 ^A	15.1 ^A
22:15 PST	0.00 ^A	136 ^A	272 ^A	286 ^A	259 ^A	292 ^A	312 ^A	156 ^A	185 ^A	185 ^A	310 ^A	304 ^A	298 ^A	310 ^A	290 ^A	288 ^A	278 ^A	268 ^A	14.3 ^A
22:30 PST	0.00 ^A	146 ^A	257 ^A	288 ^A	230 ^A	318 ^A	325 ^A	164 ^A	162 ^A	184 ^A	312 ^A	300 ^A	306 ^A	294 ^A	298 ^A	288 ^A	294 ^A	282 ^A	13.5 ^A
22:45 PST	0.00 ^A	144 ^A	272 ^A	300 ^A	222 ^A	300 ^A	318 ^A	184 ^A	182 ^A	176 ^A	325 ^A	308 ^A	298 ^A	284 ^A	306 ^A	298 ^A	284 ^A	278 ^A	14.3 ^A

TIME	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5
23:00 PST	0.00 ^A	140 ^A	284 ^A	265 ^A	232 ^A	288 ^A	304 ^A	167 ^A	167 ^A	187 ^A	304 ^A	318 ^A	312 ^A	288 ^A	286 ^A	296 ^A	284 ^A	276 ^A	12.8 ^A
23:15 PST	0.00 ^A	144 ^A	286 ^A	292 ^A	276 ^A	298 ^A	314 ^A	198 ^A	184 ^A	181 ^A	325 ^A	306 ^A	310 ^A	263 ^A	296 ^A	268 ^A	288 ^A	278 ^A	13.5 ^A
23:30 PST	0.00 ^A	141 ^A	280 ^A	282 ^A	246 ^A	314 ^A	306 ^A	179 ^A	179 ^A	192 ^A	314 ^A	316 ^A	300 ^A	290 ^A	298 ^A	272 ^A	268 ^A	280 ^A	13.1 ^A
23:45 PST	7.86 ^A	144 ^A	282 ^A	300 ^A	259 ^A	306 ^A	304 ^A	176 ^A	170 ^A	179 ^A	294 ^A	316 ^A	300 ^A	308 ^A	288 ^A	288 ^A	282 ^A	278 ^A	12.8 ^A
COUNT	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
MAX	7.86	146	286	308	320	325	331	344	198	195	327	325	323	327	318	312	306	300	296
MIN	0.00	11.7	121	227	215	234	278	156	152	161	161	274	265	263	257	257	248	243	12.8

Explanation

A	Approved for publication -- Processing and review completed.
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2017

Discharge, cubic feet per second

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
00:00 PDT														342 ^A	302 ^A	324 ^A	39.2 ^A	12.5 ^A	8.50 ^A	6.32 ^A
00:00 PST	388 ^A	209 ^A	340 ^A	327 ^A	325 ^A	340 ^A	287 ^A	344 ^A	336 ^A	314 ^A	338 ^A	296 ^A	340 ^A							
00:15 PDT														334 ^A	314 ^A	327 ^A	38.4 ^A	12.5 ^A	8.50 ^A	6.32 ^A
00:15 PST	456 ^A	219 ^A	375 ^A	331 ^A	327 ^A	298 ^A	344 ^A	360 ^A	325 ^A	325 ^A	314 ^A	310 ^A	331 ^A							
00:30 PDT														336 ^A	320 ^A	320 ^A	37.6 ^A	12.9 ^A	8.90 ^A	6.32 ^A
00:30 PST	463 ^A	190 ^A	346 ^A	362 ^A	329 ^A	322 ^A	310 ^A	352 ^A	329 ^A	327 ^A	336 ^A	325 ^A	331 ^A							
00:45 PDT														344 ^A	302 ^A	316 ^A	36.9 ^A	12.5 ^A	8.90 ^A	7.00 ^A
00:45 PST	521 ^A	207 ^A	364 ^A	329 ^A	356 ^A	340 ^A	342 ^A	346 ^A	329 ^A	329 ^A	331 ^A	327 ^A	336 ^A							
01:00 PDT														334 ^A	308 ^A	327 ^A	36.1 ^A	12.5 ^A	8.11 ^A	6.66 ^A
01:00 PST	484 ^A	201 ^A	358 ^A	362 ^A	338 ^A	327 ^A	289 ^A	325 ^A	331 ^A	318 ^A	322 ^A	318 ^A	338 ^A							
01:15 PDT														334 ^A	308 ^A	329 ^A	33.9 ^A	12.5 ^A	8.11 ^A	6.66 ^A
01:15 PST	482 ^A	204 ^A	331 ^A	322 ^A	348 ^A	334 ^A	348 ^A	334 ^A	318 ^A	340 ^A	327 ^A	310 ^A	346 ^A							
01:30 PDT														336 ^A	308 ^A	320 ^A	35.4 ^A	12.1 ^A	8.90 ^A	6.32 ^A
01:30 PST	519 ^A	186 ^A	350 ^A	329 ^A	338 ^A	320 ^A	344 ^A	329 ^A	314 ^A	316 ^A	320 ^A	329 ^A	334 ^A							
01:45 PDT														331 ^A	283 ^A	322 ^A	34.6 ^A	12.1 ^A	8.11 ^A	6.32 ^A
01:45 PST	501 ^A	198 ^A	364 ^A	342 ^A	336 ^A	318 ^A	294 ^A	348 ^A	306 ^A	324 ^A	325 ^A	322 ^A	340 ^A							
02:00 PDT														340 ^A	296 ^A	327 ^A	31.8 ^A	12.1 ^A	8.50 ^A	6.66 ^A
02:00 PST	562 ^A	189 ^A	329 ^A	336 ^A	334 ^A	316 ^A	310 ^A	318 ^A	329 ^A	314 ^A	310 ^A	312 ^A								
02:15 PDT														327 ^A	316 ^A	336 ^A	32.5 ^A	12.1 ^A	8.90 ^A	6.32 ^A
02:15 PST	506 ^A	199 ^A	358 ^A	325 ^A	322 ^A	325 ^A	324 ^A	344 ^A	334 ^A	320 ^A	334 ^A	312 ^A								
02:30 PDT														334 ^A	310 ^A	320 ^A	31.8 ^A	12.5 ^A	8.11 ^A	6.32 ^A
02:30 PST	484 ^A	177 ^A	344 ^A	369 ^A	324 ^A	318 ^A	312 ^A	314 ^A	342 ^A	304 ^A	312 ^A	318 ^A								
02:45 PDT														325 ^A	294 ^A	331 ^A	30.4 ^A	12.5 ^A	8.50 ^A	6.66 ^A
02:45 PST	575 ^A	183 ^A	336 ^A	302 ^A	308 ^A	316 ^A	316 ^A	318 ^A	342 ^A	302 ^A	334 ^A	320 ^A								
03:00 PDT													340 ^A	336 ^A	312 ^A	331 ^A	30.4 ^A	12.5 ^A	7.73 ^A	6.66 ^A
03:00 PST	562 ^A	193 ^A	375 ^A	325 ^A	316 ^A	322 ^A	312 ^A	318 ^A	320 ^A	331 ^A	338 ^A	316 ^A								
03:15 PDT													338 ^A	325 ^A	316 ^A	325 ^A	29.1 ^A	12.5 ^A	8.11 ^A	6.32 ^A
03:15 PST	570 ^A	195 ^A	381 ^A	302 ^A	322 ^A	344 ^A	308 ^A	336 ^A	331 ^A	340 ^A	331 ^A	308 ^A								
03:30 PDT													325 ^A	325 ^A	314 ^A	331 ^A	29.1 ^A	11.7 ^A	8.11 ^A	6.66 ^A
03:30 PST	591 ^A	207 ^A	316 ^A	364 ^A	331 ^A	318 ^A	294 ^A	346 ^A	329 ^A	334 ^A	322 ^A	324 ^A								

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
03:45 PDT													338 ^A	331 ^A	306 ^A	331 ^A	28.4 ^A	11.7 ^A	8.50 ^A	6.32 ^A
03:45 PST	534 ^A	206 ^A	342 ^A	308 ^A	320 ^A	318 ^A	320 ^A	350 ^A	324 ^A	327 ^A	329 ^A	308 ^A								
04:00 PDT													342 ^A	324 ^A	318 ^A	329 ^A	27.2 ^A	11.7 ^A	8.50 ^A	6.00 ^A
04:00 PST	463 ^A	212 ^A	342 ^A	327 ^A	331 ^A	324 ^A	308 ^A	338 ^A	334 ^A	329 ^A	324 ^A	322 ^A								
04:15 PDT													340 ^A	329 ^A	289 ^A	340 ^A	27.2 ^A	11.7 ^A	8.50 ^A	6.00 ^A
04:15 PST	526 ^A	210 ^A	352 ^A	348 ^A	304 ^A	327 ^A	281 ^A	308 ^A	331 ^A	316 ^A	308 ^A	318 ^A								
04:30 PDT													340 ^A	342 ^A	289 ^A	325 ^A	25.3 ^A	11.3 ^A	8.50 ^A	6.32 ^A
04:30 PST	487 ^A	199 ^A	342 ^A	369 ^A	338 ^A	320 ^A	310 ^A	346 ^A	318 ^A	325 ^A	331 ^A	294 ^A								
04:45 PDT													342 ^A	325 ^A	293 ^A	336 ^A	25.9 ^A	12.1 ^A	7.73 ^A	6.32 ^A
04:45 PST	460 ^A	201 ^A	320 ^A	338 ^A	314 ^A	342 ^A	320 ^A	350 ^A	356 ^A	320 ^A	324 ^A	336 ^A								
05:00 PDT													338 ^A	334 ^A	304 ^A	331 ^A	26.5 ^A	12.1 ^A	8.50 ^A	6.66 ^A
05:00 PST	451 ^A	215 ^A	324 ^A	269 ^A	279 ^A	331 ^A	312 ^A	340 ^A	331 ^A	336 ^A	320 ^A	325 ^A								
05:15 PDT													336 ^A	325 ^A	314 ^A	336 ^A	25.3 ^A	11.3 ^A	8.11 ^A	6.66 ^A
05:15 PST	423 ^A	212 ^A	371 ^A	336 ^A	320 ^A	302 ^A	316 ^A	324 ^A	322 ^A	329 ^A	320 ^A	336 ^A								
05:30 PDT													346 ^A	327 ^A	300 ^A	327 ^A	24.1 ^A	11.7 ^A	8.11 ^A	6.32 ^A
05:30 PST	369 ^A	186 ^A	348 ^A	340 ^A	274 ^A	312 ^A	281 ^A	360 ^A	325 ^A	322 ^A	331 ^A	336 ^A								
05:45 PDT													324 ^A	324 ^A	310 ^A	324 ^A	24.7 ^A	12.1 ^A	8.11 ^A	6.00 ^A
05:45 PST	399 ^A	189 ^A	358 ^A	346 ^A	324 ^A	304 ^A	310 ^A	320 ^A	310 ^A	329 ^A	336 ^A	294 ^A								
06:00 PDT													342 ^A	334 ^A	316 ^A	338 ^A	24.7 ^A	11.3 ^A	8.11 ^A	6.32 ^A
06:00 PST	360 ^A	219 ^A	352 ^A	322 ^A	279 ^A	340 ^A	314 ^A	325 ^A	324 ^A	320 ^A	331 ^A	322 ^A								
06:15 PDT													334 ^A	327 ^A	304 ^A	336 ^A	24.1 ^A	12.1 ^A	7.73 ^A	6.66 ^A
06:15 PST	285 ^A	190 ^A	346 ^A	327 ^A	296 ^A	340 ^A	310 ^A	325 ^A	314 ^A	329 ^A	312 ^A	318 ^A								
06:30 PDT													329 ^A	338 ^A	318 ^A	327 ^A	22.9 ^A	12.1 ^A	7.73 ^A	6.00 ^A
06:30 PST	316 ^A	204 ^A	352 ^A	327 ^A	294 ^A	316 ^A	300 ^A	346 ^A	348 ^A	324 ^A	316 ^A	314 ^A								
06:45 PDT													336 ^A	334 ^A	316 ^A	327 ^A	22.3 ^A	11.3 ^A	7.73 ^A	6.32 ^A
06:45 PST	331 ^A	204 ^A	352 ^A	358 ^A	352 ^A	316 ^A	316 ^A	302 ^A	352 ^A	327 ^A	324 ^A	312 ^A								
07:00 PDT													334 ^A	318 ^A	306 ^A	324 ^A	22.3 ^A	11.3 ^A	7.73 ^A	6.32 ^A
07:00 PST	298 ^A	201 ^A	342 ^A	310 ^A	302 ^A	293 ^A	287 ^A	325 ^A	344 ^A	325 ^A	338 ^A	318 ^A								
07:15 PDT													334 ^A	334 ^A	320 ^A	327 ^A	22.3 ^A	11.7 ^A	8.50 ^A	6.00 ^A
07:15 PST	314 ^A	190 ^A	336 ^A	334 ^A	312 ^A	338 ^A	312 ^A	334 ^A	325 ^A	338 ^A	327 ^A	310 ^A								
07:30 PDT													331 ^A	336 ^A	312 ^A	344 ^A	21.2 ^A	11.3 ^A	7.73 ^A	6.00 ^A

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
07:30 PST	279 ^A	169 ^A	362 ^A	318 ^A	312 ^A	354 ^A	310 ^A	325 ^A	325 ^A	329 ^A	325 ^A	320 ^A								
07:45 PDT													325 ^A	329 ^A	320 ^A	338 ^A	21.8 ^A	11.7 ^A	7.73 ^A	6.00 ^A
07:45 PST	256 ^A	220 ^A	340 ^A	322 ^A	308 ^A	336 ^A	306 ^A	344 ^A	340 ^A	331 ^A	327 ^A	320 ^A								
08:00 PDT													338 ^A	336 ^A	329 ^A	342 ^A	21.2 ^A	11.3 ^A	8.50 ^A	6.00 ^A
08:00 PST	235 ^A	183 ^A	375 ^A	322 ^A	300 ^A	296 ^A	287 ^A	334 ^A	354 ^A	325 ^A	314 ^A	316 ^A								
08:15 PDT													342 ^A	336 ^A	316 ^A	327 ^A	20.7 ^A	10.9 ^A	7.73 ^A	6.32 ^A
08:15 PST	239 ^A	192 ^A	352 ^A	331 ^A	310 ^A	348 ^A	338 ^A	318 ^A	336 ^A	334 ^A	346 ^A	322 ^A								
08:30 PDT													331 ^A	325 ^A	324 ^A	325 ^A	21.8 ^A	11.3 ^A	7.73 ^A	6.00 ^A
08:30 PST	223 ^A	184 ^A	340 ^A	340 ^A	327 ^A	316 ^A	320 ^A	336 ^A	346 ^A	340 ^A	316 ^A	329 ^A								
08:45 PDT													342 ^A	331 ^A	316 ^A	344 ^A	21.2 ^A	10.9 ^A	8.11 ^A	6.00 ^A
08:45 PST	210 ^A	207 ^A	342 ^A	342 ^A	324 ^A	314 ^A	310 ^A	325 ^A	348 ^A	314 ^A	314 ^A	318 ^A								
09:00 PDT													334 ^A	334 ^A	324 ^A	336 ^A	20.1 ^A	11.7 ^A	8.11 ^A	6.00 ^A
09:00 PST	206 ^A	190 ^A	334 ^A	373 ^A	294 ^A	327 ^A	300 ^A	334 ^A	348 ^A	329 ^A	325 ^A	318 ^A								
09:15 PDT													336 ^A	340 ^A	327 ^A	322 ^A	20.7 ^A	11.7 ^A	7.73 ^A	6.66 ^A
09:15 PST	189 ^A	193 ^A	310 ^A	293 ^A	291 ^A	312 ^A	318 ^A	316 ^A	329 ^A	336 ^A	327 ^A	310 ^A								
09:30 PDT													346 ^A	327 ^A	325 ^A	322 ^A	20.1 ^A	11.7 ^A	7.73 ^A	6.32 ^A
09:30 PST	204 ^A	189 ^A	322 ^A	369 ^A	329 ^A	346 ^A	304 ^A	338 ^A	334 ^A	320 ^A	320 ^A	322 ^A								
09:45 PDT													318 ^A	331 ^A	334 ^A	329 ^A	19.6 ^A	11.7 ^A	8.11 ^A	6.66 ^A
09:45 PST	186 ^A	204 ^A	342 ^A	352 ^A	331 ^A	325 ^A	327 ^A	338 ^A	358 ^A	334 ^A	308 ^A	302 ^A								
10:00 PDT													334 ^A	334 ^A	350 ^A	329 ^A	19.6 ^A	10.9 ^A	7.73 ^A	6.00 ^A
10:00 PST	189 ^A	190 ^A	356 ^A	342 ^A	324 ^A	356 ^A	296 ^A	312 ^A	334 ^A	327 ^A	314 ^A	308 ^A								
10:15 PDT													346 ^A	320 ^A	336 ^A	327 ^A	19.1 ^A	11.3 ^A	7.36 ^A	6.00 ^A
10:15 PST	164 ^A	174 ^A	346 ^A	344 ^A	338 ^A	318 ^A	314 ^A	327 ^A	331 ^A	324 ^A	331 ^A	316 ^A								
10:30 PDT													320 ^A	340 ^A	334 ^A	324 ^A	20.1 ^A	11.3 ^A	7.36 ^A	6.00 ^A
10:30 PST	166 ^A	193 ^A	324 ^A	324 ^A	310 ^A	350 ^A	310 ^A	338 ^A	336 ^A	318 ^A	304 ^A	331 ^A								
10:45 PDT													322 ^A	334 ^A	302 ^A	324 ^A	18.5 ^A	10.9 ^A	7.73 ^A	6.00 ^A
10:45 PST	166 ^A	184 ^A	356 ^A	350 ^A	314 ^A	312 ^A	310 ^A	308 ^A	338 ^A	329 ^A	334 ^A	298 ^A								
11:00 PDT													338 ^A	327 ^A	314 ^A	318 ^A	19.6 ^A	10.9 ^A	8.11 ^A	6.66 ^A
11:00 PST	162 ^A	201 ^A	371 ^A	308 ^A	329 ^A	302 ^A	310 ^A	340 ^A	325 ^A	331 ^A	324 ^A	320 ^A								
11:15 PDT													340 ^A	327 ^A	314 ^A	331 ^A	18.5 ^A	10.9 ^A	7.36 ^A	6.32 ^A
11:15 PST	152 ^A	209 ^A	352 ^A	314 ^A	324 ^A	314 ^A	318 ^A	334 ^A	327 ^A	334 ^A	310 ^A	302 ^A								

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
11:30 PDT													327 ^A	334 ^A	320 ^A	325 ^A	18.5 ^A	11.3 ^A	8.11 ^A	6.00 ^A
11:30 PST	135 ^A	189 ^A	358 ^A	296 ^A	308 ^A	329 ^A	316 ^A	336 ^A	348 ^A	316 ^A	314 ^A	302 ^A								
11:45 PDT													327 ^A	334 ^A	296 ^A	318 ^A	18.0 ^A	11.3 ^A	8.11 ^A	6.66 ^A
11:45 PST	139 ^A	195 ^A	334 ^A	318 ^A	312 ^A	324 ^A	318 ^A	350 ^A	346 ^A	338 ^A	314 ^A	312 ^A								
12:00 PDT													344 ^A	322 ^A	320 ^A	338 ^A	18.0 ^A	10.6 ^A	7.36 ^A	6.00 ^A
12:00 PST	130 ^A	198 ^A	308 ^A	360 ^A	320 ^A	293 ^A	320 ^A	324 ^A	340 ^A	327 ^A	312 ^A	308 ^A								
12:15 PDT													324 ^A	324 ^A	312 ^A	336 ^A	18.0 ^A	10.6 ^A	8.11 ^A	6.00 ^A
12:15 PST	134 ^A	193 ^A	318 ^A	327 ^A	327 ^A	338 ^A	329 ^A	327 ^A	322 ^A	342 ^A	312 ^A	304 ^A								
12:30 PDT													336 ^A	327 ^A	308 ^A	338 ^A	17.5 ^A	11.3 ^A	7.36 ^A	6.66 ^A
12:30 PST	130 ^A	209 ^A	342 ^A	322 ^A	320 ^A	308 ^A	310 ^A	340 ^A	336 ^A	316 ^A	308 ^A	314 ^A								
12:45 PDT													340 ^A	331 ^A	316 ^A	342 ^A	18.5 ^A	10.9 ^A	7.73 ^A	6.00 ^A
12:45 PST	125 ^A	199 ^A	334 ^A	346 ^A	293 ^A	296 ^A	300 ^A	334 ^A	324 ^A	322 ^A	325 ^A	320 ^A								
13:00 PDT													327 ^A	320 ^A	310 ^A	340 ^A	18.0 ^A	10.9 ^A	7.36 ^A	6.00 ^A
13:00 PST	119 ^A	172 ^A	360 ^A	334 ^A	304 ^A	322 ^A	308 ^A	327 ^A	338 ^A	338 ^A	320 ^A	318 ^A								
13:15 PDT													325 ^A	308 ^A	320 ^A	342 ^A	17.0 ^A	10.6 ^A	7.73 ^A	6.00 ^A
13:15 PST	114 ^A	206 ^A	348 ^A	320 ^A	272 ^A	289 ^A	338 ^A	340 ^A	340 ^A	306 ^A	324 ^A	320 ^A								
13:30 PDT													331 ^A	320 ^A	318 ^A	331 ^A	17.0 ^A	10.6 ^A	7.36 ^A	6.00 ^A
13:30 PST	119 ^A	193 ^A	329 ^A	306 ^A	348 ^A	348 ^A	298 ^A	329 ^A	336 ^A	327 ^A	334 ^A	329 ^A								
13:45 PDT													334 ^A	324 ^A	308 ^A	338 ^A	17.0 ^A	10.2 ^A	7.73 ^A	6.00 ^A
13:45 PST	115 ^A	196 ^A	346 ^A	302 ^A	325 ^A	318 ^A	294 ^A	336 ^A	320 ^A	340 ^A	312 ^A	327 ^A								
14:00 PDT													336 ^A	327 ^A	310 ^A	342 ^A	16.6 ^A	10.6 ^A	7.73 ^A	6.00 ^A
14:00 PST	109 ^A	174 ^A	350 ^A	300 ^A	340 ^A	294 ^A	312 ^A	310 ^A	327 ^A	338 ^A	306 ^A	334 ^A								
14:15 PDT													329 ^A	331 ^A	322 ^A	334 ^A	17.5 ^A	10.9 ^A	7.36 ^A	6.00 ^A
14:15 PST	118 ^A	175 ^A	306 ^A	291 ^A	325 ^A	312 ^A	318 ^A	320 ^A	350 ^A	312 ^A	340 ^A	312 ^A								
14:30 PDT													334 ^A	325 ^A	312 ^A	338 ^A	16.6 ^A	10.6 ^A	7.36 ^A	6.00 ^A
14:30 PST	109 ^A	210 ^A	358 ^A	324 ^A	340 ^A	304 ^A	287 ^A	364 ^A	320 ^A	320 ^A	312 ^A	314 ^A								
14:45 PDT													320 ^A	327 ^A	318 ^A	331 ^A	17.0 ^A	10.6 ^A	7.36 ^A	5.69 ^A
14:45 PST	105 ^A	242 ^A	362 ^A	344 ^A	304 ^A	327 ^A	294 ^A	329 ^A	331 ^A	346 ^A	312 ^A	316 ^A								
15:00 PDT													334 ^A	329 ^A	327 ^A	340 ^A	17.0 ^A	10.9 ^A	7.36 ^A	6.32 ^A
15:00 PST	95.8 ^A	265 ^A	342 ^A	334 ^A	336 ^A	312 ^A	316 ^A	346 ^A	344 ^A	318 ^A	325 ^A	322 ^A								
15:15 PDT													340 ^A	329 ^A	306 ^A	336 ^A	17.0 ^A	10.6 ^A	7.36 ^A	6.32 ^A

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
15:15 PST	101 ^A	298 ^A	331 ^A	362 ^A	327 ^A	312 ^A	312 ^A	331 ^A	320 ^A	324 ^A	322 ^A	322 ^A								
15:30 PDT													327 ^A	327 ^A	331 ^A	338 ^A	15.6 ^A	10.2 ^A	7.00 ^A	5.69 ^A
15:30 PST	105 ^A	314 ^A	346 ^A	340 ^A	324 ^A	302 ^A	310 ^A	316 ^A	322 ^A	324 ^A	310 ^A	302 ^A								
15:45 PDT													336 ^A	327 ^A	318 ^A	331 ^A	15.6 ^A	10.2 ^A	7.36 ^A	5.69 ^A
15:45 PST	95.8 ^A	312 ^A	346 ^A	366 ^A	324 ^A	296 ^A	322 ^A	306 ^A	316 ^A	325 ^A	320 ^A	336 ^A								
16:00 PDT													348 ^A	329 ^A	325 ^A	340 ^A	16.1 ^A	10.2 ^A	7.00 ^A	6.00 ^A
16:00 PST	89.4 ^A	348 ^A	371 ^A	320 ^A	346 ^A	318 ^A	314 ^A	336 ^A	306 ^A	327 ^A	325 ^A	312 ^A								
16:15 PDT													327 ^A	334 ^A	322 ^A	340 ^A	15.6 ^A	10.2 ^A	7.00 ^A	5.69 ^A
16:15 PST	96.9 ^A	369 ^A	325 ^A	320 ^A	344 ^A	318 ^A	310 ^A	327 ^A	338 ^A	338 ^A	312 ^A	322 ^A								
16:30 PDT													334 ^A	320 ^A	322 ^A	342 ^A	15.1 ^A	10.2 ^A	7.00 ^A	5.69 ^A
16:30 PST	90.5 ^A	336 ^A	348 ^A	331 ^A	325 ^A	324 ^A	340 ^A	336 ^A	316 ^A	340 ^A	316 ^A	331 ^A								
16:45 PDT													338 ^A	331 ^A	325 ^A	336 ^A	15.6 ^A	9.74 ^A	7.36 ^A	5.69 ^A
16:45 PST	95.8 ^A	322 ^A	362 ^A	318 ^A	336 ^A	324 ^A	318 ^A	342 ^A	325 ^A	325 ^A	334 ^A	314 ^A								
17:00 PDT													342 ^A	334 ^A	322 ^A	338 ^A	15.1 ^A	9.74 ^A	6.66 ^A	5.69 ^A
17:00 PST	94.8 ^A	388 ^A	348 ^A	344 ^A	364 ^A	310 ^A	320 ^A	312 ^A	314 ^A	342 ^A	300 ^A	316 ^A								
17:15 PDT													327 ^A	316 ^A	324 ^A	338 ^A	15.1 ^A	10.2 ^A	7.36 ^A	5.69 ^A
17:15 PST	98.0 ^A	350 ^A	312 ^A	334 ^A	318 ^A	329 ^A	352 ^A	338 ^A	327 ^A	316 ^A	304 ^A	310 ^A								
17:30 PDT													331 ^A	331 ^A	320 ^A	340 ^A	15.1 ^A	9.74 ^A	7.00 ^A	5.69 ^A
17:30 PST	92.6 ^A	358 ^A	348 ^A	325 ^A	336 ^A	308 ^A	352 ^A	320 ^A	336 ^A	325 ^A	320 ^A	316 ^A								
17:45 PDT													340 ^A	325 ^A	316 ^A	338 ^A	15.1 ^A	9.74 ^A	7.00 ^A	5.69 ^A
17:45 PST	84.2 ^A	322 ^A	336 ^A	334 ^A	336 ^A	308 ^A	327 ^A	324 ^A	342 ^A	350 ^A	322 ^A	327 ^A								
18:00 PDT													334 ^A	344 ^A	316 ^A	342 ^A	15.1 ^A	10.2 ^A	6.66 ^A	5.69 ^A
18:00 PST	90.5 ^A	340 ^A	338 ^A	314 ^A	336 ^A	308 ^A	300 ^A	336 ^A	318 ^A	322 ^A	310 ^A	308 ^A								
18:15 PDT													331 ^A	344 ^A	322 ^A	338 ^A	14.7 ^A	9.74 ^A	6.66 ^A	5.39 ^A
18:15 PST	88.4 ^A	350 ^A	348 ^A	322 ^A	334 ^A	334 ^A	318 ^A	338 ^A	329 ^A	322 ^A	338 ^A	322 ^A								
18:30 PDT													336 ^A	312 ^A	304 ^A	338 ^A	14.7 ^A	10.2 ^A	6.66 ^A	5.69 ^A
18:30 PST	82.2 ^A	344 ^A	340 ^A	346 ^A	366 ^A	298 ^A	329 ^A	329 ^A	336 ^A	316 ^A	310 ^A	340 ^A								
18:45 PDT													329 ^A	338 ^A	316 ^A	331 ^A	14.2 ^A	9.32 ^A	7.00 ^A	5.39 ^A
18:45 PST	82.2 ^A	348 ^A	325 ^A	334 ^A	324 ^A	342 ^A	329 ^A	318 ^A	322 ^A	336 ^A	310 ^A	310 ^A								
19:00 PDT													324 ^A	324 ^A	325 ^A	312 ^A	14.2 ^A	10.2 ^A	7.00 ^A	6.00 ^A
19:00 PST	83.2 ^A	362 ^A	354 ^A	350 ^A	346 ^A	312 ^A	348 ^A	338 ^A	314 ^A	336 ^A	324 ^A	314 ^A								

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
19:15 PDT													336 ^A	314 ^A	325 ^A	230 ^A	14.2 ^A	10.2 ^A	7.00 ^A	5.69 ^A
19:15 PST	76.2 ^A	338 ^A	340 ^A	348 ^A	334 ^A	314 ^A	336 ^A	344 ^A	340 ^A	327 ^A	324 ^A	312 ^A								
19:30 PDT													325 ^A	293 ^A	331 ^A	162 ^A	14.2 ^A	9.32 ^A	7.36 ^A	5.39 ^A
19:30 PST	105 ^A	324 ^A	352 ^A	327 ^A	312 ^A	316 ^A	331 ^A	325 ^A	291 ^A	318 ^A	346 ^A	314 ^A								
19:45 PDT													331 ^A	296 ^A	329 ^A	131 ^A	14.7 ^A	9.32 ^A	6.66 ^A	6.00 ^A
19:45 PST	134 ^A	348 ^A	346 ^A	338 ^A	308 ^A	324 ^A	320 ^A	322 ^A	327 ^A	320 ^A	316 ^A	314 ^A								
20:00 PDT													342 ^A	285 ^A	331 ^A	109 ^A	14.2 ^A	9.74 ^A	6.66 ^A	5.69 ^A
20:00 PST	174 ^A	327 ^A	298 ^A	331 ^A	340 ^A	310 ^A	306 ^A	334 ^A	308 ^A	336 ^A	320 ^A	314 ^A								
20:15 PDT													334 ^A	314 ^A	322 ^A	98.0 ^A	13.8 ^A	9.74 ^A	7.00 ^A	5.09 ^A
20:15 PST	181 ^A	329 ^A	356 ^A	310 ^A	334 ^A	298 ^A	314 ^A	322 ^A	320 ^A	324 ^A	306 ^A	314 ^A								
20:30 PDT													329 ^A	302 ^A	320 ^A	86.3 ^A	14.2 ^A	8.90 ^A	7.00 ^A	5.39 ^A
20:30 PST	186 ^A	358 ^A	306 ^A	336 ^A	336 ^A	322 ^A	327 ^A	340 ^A	338 ^A	314 ^A	312 ^A	314 ^A								
20:45 PDT													325 ^A	318 ^A	336 ^A	80.2 ^A	13.8 ^A	9.32 ^A	6.66 ^A	5.69 ^A
20:45 PST	203 ^A	362 ^A	324 ^A	324 ^A	329 ^A	300 ^A	348 ^A	322 ^A	324 ^A	308 ^A	322 ^A	310 ^A								
21:00 PDT													336 ^A	278 ^A	331 ^A	72.4 ^A	14.2 ^A	9.74 ^A	6.66 ^A	5.69 ^A
21:00 PST	201 ^A	354 ^A	329 ^A	338 ^A	318 ^A	304 ^A	329 ^A	320 ^A	304 ^A	327 ^A	327 ^A	322 ^A								
21:15 PDT													327 ^A	320 ^A	324 ^A	65.9 ^A	13.4 ^A	8.90 ^A	7.00 ^A	5.39 ^A
21:15 PST	210 ^A	358 ^A	289 ^A	325 ^A	329 ^A	324 ^A	344 ^A	340 ^A	344 ^A	324 ^A	310 ^A	325 ^A								
21:30 PDT													329 ^A	304 ^A	322 ^A	63.2 ^A	13.4 ^A	9.32 ^A	6.66 ^A	5.39 ^A
21:30 PST	207 ^A	362 ^A	344 ^A	324 ^A	312 ^A	310 ^A	322 ^A	338 ^A	320 ^A	322 ^A	329 ^A	340 ^A								
21:45 PDT													322 ^A	306 ^A	322 ^A	63.2 ^A	13.4 ^A	8.90 ^A	6.66 ^A	5.09 ^A
21:45 PST	230 ^A	329 ^A	340 ^A	346 ^A	324 ^A	310 ^A	346 ^A	342 ^A	318 ^A	322 ^A	327 ^A	324 ^A								
22:00 PDT													338 ^A	293 ^A	329 ^A	57.4 ^A	12.9 ^A	8.90 ^A	6.32 ^A	5.39 ^A
22:00 PST	196 ^A	381 ^A	322 ^A	320 ^A	340 ^A	304 ^A	344 ^A	314 ^A	325 ^A	322 ^A	320 ^A	334 ^A								
22:15 PDT													324 ^A	308 ^A	324 ^A	53.6 ^A	13.4 ^A	9.32 ^A	6.66 ^A	5.39 ^A
22:15 PST	207 ^A	336 ^A	334 ^A	293 ^A	308 ^A	316 ^A	325 ^A	314 ^A	352 ^A	316 ^A	316 ^A	327 ^A								
22:30 PDT													331 ^A	298 ^A	322 ^A	52.7 ^A	12.9 ^A	8.90 ^A	6.32 ^A	5.39 ^A
22:30 PST	203 ^A	364 ^A	342 ^A	318 ^A	329 ^A	329 ^A	338 ^A	318 ^A	322 ^A	334 ^A	325 ^A	346 ^A								
22:45 PDT													329 ^A	314 ^A	331 ^A	47.4 ^A	13.8 ^A	8.50 ^A	6.32 ^A	5.09 ^A
22:45 PST	225 ^A	331 ^A	334 ^A	350 ^A	306 ^A	296 ^A	329 ^A	331 ^A	324 ^A	329 ^A	320 ^A	336 ^A								
23:00 PDT													342 ^A	300 ^A	325 ^A	46.5 ^A	13.4 ^A	8.50 ^A	6.66 ^A	5.39 ^A

TIME	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14	Mar 15	Mar 16	Mar 17	Mar 18	Mar 19
23:00 PST	207 ^A	346 ^A	322 ^A	331 ^A	348 ^A	294 ^A	325 ^A	322 ^A	316 ^A	320 ^A	314 ^A	325 ^A								
23:15 PDT													334 ^A	314 ^A	325 ^A	44.0 ^A	12.9 ^A	8.50 ^A	6.66 ^A	5.69 ^A
23:15 PST	232 ^A	334 ^A	342 ^A	320 ^A	348 ^A	318 ^A	314 ^A	312 ^A	329 ^A	310 ^A	329 ^A	327 ^A								
23:30 PDT													334 ^A	296 ^A	327 ^A	42.3 ^A	12.9 ^A	8.50 ^A	6.32 ^A	5.09 ^A
23:30 PST	222 ^A	352 ^A	344 ^A	325 ^A	342 ^A	322 ^A	331 ^A	327 ^A	327 ^A	316 ^A	310 ^A	340 ^A								
23:45 PDT													344 ^A	310 ^A	325 ^A	41.5 ^A	12.9 ^A	8.50 ^A	6.32 ^A	5.69 ^A
23:45 PST	212 ^A	362 ^A	312 ^A	334 ^A	294 ^A	291 ^A	338 ^A	316 ^A	329 ^A	336 ^A	314 ^A	344 ^A								
COUNT	96	96	96	96	96	96	96	96	96	96	96	96	92	96	96	96	96	96	96	96
MAX	591	388	381	373	366	356	352	364	358	350	346	346	348	344	350	344	39.2	12.9	8.90	7.00
MIN	76.2	169	289	269	272	289	281	302	291	302	300	294	318	278	283	41.5	12.9	8.50	6.32	5.09

Explanation

A	Approved for publication -- Processing and review completed.
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2019

Discharge, cubic feet per second

TIME	Feb 15	Feb 16	Feb 17	Feb 18	Feb 19	Feb 20	Feb 21	Feb 22	Feb 23	Feb 24	Feb 25	Feb 26	Feb 27	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10
00:00 PST	128 ^A	310 ^A	325 ^A	344 ^A	310 ^A	329 ^A	340 ^A	369 ^A	336 ^A	338 ^A	316 ^A	296 ^A	314 ^A	312 ^A	296 ^A	294 ^A	293 ^A	289 ^A	296 ^A	289 ^A	274 ^A	19.6 ^A	10.9 ^A	7.00 ^A
00:15 PST	136 ^A	329 ^A	325 ^A	334 ^A	325 ^A	314 ^A	325 ^A	392 ^A	350 ^A	316 ^A	329 ^A	274 ^A	312 ^A	322 ^A	276 ^A	306 ^A	296 ^A	304 ^A	298 ^A	261 ^A	296 ^A	20.7 ^A	10.6 ^A	7.36 ^A
00:30 PST	123 ^A	338 ^A	316 ^A	346 ^A	320 ^A	331 ^A	342 ^A	360 ^A	308 ^A	329 ^A	310 ^A	320 ^A	304 ^A	312 ^A	304 ^A	294 ^A	283 ^A	274 ^A	287 ^A	283 ^A	289 ^A	20.1 ^A	10.2 ^A	7.36 ^A
00:45 PST	116 ^A	325 ^A	338 ^A	324 ^A	327 ^A	322 ^A	322 ^A	386 ^A	325 ^A	340 ^A	320 ^A	320 ^A	302 ^A	318 ^A	314 ^A	298 ^A	298 ^A	300 ^A	302 ^A	278 ^A	294 ^A	20.7 ^A	9.74 ^A	7.73 ^A
01:00 PST	119 ^A	327 ^A	308 ^A	350 ^A	348 ^A	329 ^A	364 ^A	379 ^A	316 ^A	336 ^A	314 ^A	298 ^A	322 ^A	320 ^A	298 ^A	296 ^A	294 ^A	283 ^A	296 ^A	267 ^A	270 ^A	19.6 ^A	10.2 ^A	7.00 ^A
01:15 PST	108 ^A	329 ^A	336 ^A	344 ^A	325 ^A	338 ^A	360 ^A	364 ^A	346 ^A	318 ^A	324 ^A	322 ^A	306 ^A	312 ^A	289 ^A	289 ^A	294 ^A	287 ^A	287 ^A	296 ^A	270 ^A	19.1 ^A	10.2 ^A	7.00 ^A
01:30 PST	106 ^A	348 ^A	314 ^A	285 ^A	342 ^A	308 ^A	350 ^A	392 ^A	308 ^A	318 ^A	310 ^A	314 ^A	308 ^A	308 ^A	322 ^A	281 ^A	314 ^A	300 ^A	298 ^A	304 ^A	287 ^A	19.1 ^A	9.32 ^A	7.00 ^A
01:45 PST	105 ^A	356 ^A	334 ^A	346 ^A	306 ^A	318 ^A	344 ^A	371 ^A	327 ^A	329 ^A	310 ^A	296 ^A	281 ^A	276 ^A	296 ^A	296 ^A	285 ^A	296 ^A	300 ^A	276 ^A	276 ^A	19.1 ^A	9.32 ^A	7.73 ^A
02:00 PST	91.5 ^A	352 ^A	320 ^A	318 ^A	322 ^A	325 ^A	379 ^A	384 ^A	312 ^A	314 ^A	336 ^A	306 ^A	310 ^A	331 ^A	278 ^A	302 ^A	281 ^A	308 ^A	287 ^A	287 ^A	265 ^A	18.5 ^A	10.2 ^A	
02:15 PST	91.5 ^A	364 ^A	344 ^A	350 ^A	336 ^A	324 ^A	358 ^A	350 ^A	312 ^A	334 ^A	324 ^A	316 ^A	306 ^A	285 ^A	308 ^A	302 ^A	276 ^A	279 ^A	287 ^A	289 ^A	274 ^A	18.5 ^A	10.2 ^A	
02:30 PST	92.6 ^A	327 ^A	329 ^A	324 ^A	324 ^A	324 ^A	346 ^A	377 ^A	338 ^A	346 ^A	318 ^A	304 ^A	336 ^A	293 ^A	304 ^A	304 ^A	294 ^A	300 ^A	300 ^A	289 ^A	274 ^A	19.1 ^A	10.2 ^A	
02:45 PST	89.4 ^A	362 ^A	310 ^A	340 ^A	334 ^A	344 ^A	388 ^A	346 ^A	336 ^A	340 ^A	302 ^A	308 ^A	316 ^A	308 ^A	294 ^A	312 ^A	300 ^A	285 ^A	294 ^A	281 ^A	270 ^A	17.5 ^A	9.74 ^A	
03:00 PDT																								6.66 ^A
03:00 PST	87.3 ^A	360 ^A	287 ^A	293 ^A	329 ^A	316 ^A	346 ^A	364 ^A	324 ^A	325 ^A	324 ^A	291 ^A	306 ^A	293 ^A	287 ^A	291 ^A	279 ^A	310 ^A	291 ^A	291 ^A	267 ^A	17.0 ^A	8.90 ^A	
03:15 PDT																								7.36 ^A
03:15 PST	75.3 ^A	356 ^A	289 ^A	344 ^A	334 ^A	322 ^A	360 ^A	356 ^A	329 ^A	344 ^A	322 ^A	304 ^A	302 ^A	304 ^A	293 ^A	298 ^A	269 ^A	296 ^A	294 ^A	272 ^A	265 ^A	17.0 ^A	10.2 ^A	
03:30 PDT																								7.73 ^A
03:30 PST	76.2 ^A	362 ^A	325 ^A	364 ^A	306 ^A	331 ^A	369 ^A	364 ^A	324 ^A	302 ^A	306 ^A	302 ^A	320 ^A	308 ^A	310 ^A	316 ^A	289 ^A	310 ^A	293 ^A	285 ^A	279 ^A	18.5 ^A	9.74 ^A	
03:45 PDT																								7.00 ^A
03:45 PST	84.2 ^A	352 ^A	336 ^A	362 ^A	318 ^A	320 ^A	377 ^A	369 ^A	314 ^A	331 ^A	310 ^A	304 ^A	312 ^A	298 ^A	291 ^A	304 ^A	293 ^A	283 ^A	287 ^A	283 ^A	279 ^A	17.0 ^A	8.50 ^A	
04:00 PDT																								7.00 ^A
04:00 PST	80.2 ^A	381 ^A	318 ^A	346 ^A	320 ^A	327 ^A	356 ^A	344 ^A	327 ^A	350 ^A	310 ^A	320 ^A	300 ^A	308 ^A	322 ^A	304 ^A	306 ^A	296 ^A	285 ^A	283 ^A	272 ^A	16.1 ^A	10.2 ^A	
04:15 PDT																								7.00 ^A
04:15 PST	75.3 ^A	362 ^A	329 ^A	320 ^A	354 ^A	331 ^A	366 ^A	331 ^A	342 ^A	342 ^A	312 ^A	306 ^A	314 ^A	308 ^A	312 ^A	310 ^A	296 ^A	308 ^A	302 ^A	294 ^A	279 ^A	17.0 ^A	9.74 ^A	
04:30 PDT																								7.36 ^A
04:30 PST	79.2 ^A	354 ^A	314 ^A	358 ^A	308 ^A	318 ^A	377 ^A	348 ^A	352 ^A	314 ^A	338 ^A	310 ^A	314 ^A	276 ^A	298 ^A	294 ^A	251 ^A	285 ^A	283 ^A	267 ^A	279 ^A	16.6 ^A	8.90 ^A	
04:45 PDT																								6.66 ^A
04:45 PST	77.2 ^A	346 ^A	318 ^A	369 ^A	312 ^A	316 ^A	373 ^A	350 ^A	324 ^A	327 ^A	304 ^A	308 ^A	306 ^A	312 ^A	304 ^A	293 ^A	281 ^A	298 ^A	289 ^A	252 ^A	285 ^A	17.0 ^A	8.50 ^A	
05:00 PDT																								7.73 ^A
05:00 PST	73.3 ^A	289 ^A	356 ^A	340 ^A	327 ^A	318 ^A	360 ^A	294 ^A	346 ^A	329 ^A	312 ^A	287 ^A	304 ^A	306 ^A	274 ^A	304 ^A	274 ^A	298 ^A	304 ^A	278 ^A	285 ^A	16.6 ^A	9.32 ^A	
05:15 PDT																								7.36 ^A

TIME	Feb 15	Feb 16	Feb 17	Feb 18	Feb 19	Feb 20	Feb 21	Feb 22	Feb 23	Feb 24	Feb 25	Feb 26	Feb 27	Feb 28	Mar 1	Mar 2	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9	Mar 10
21:15 PST	265 ^A	289 ^A	390 ^A	278 ^A	322 ^A	329 ^A	379 ^A	354 ^A	338 ^A	314 ^A	325 ^A	310 ^A	296 ^A	312 ^A	302 ^A	316 ^A	296 ^A	300 ^A	274 ^A	269 ^A	22.9 ^A	11.7 ^A	7.36 ^A	
21:30 PDT																								6.00 ^A
21:30 PST	325 ^A	354 ^A	334 ^A	338 ^A	318 ^A	322 ^A	401 ^A	316 ^A	324 ^A	314 ^A	320 ^A	322 ^A	302 ^A	298 ^A	291 ^A	272 ^A	294 ^A	276 ^A	289 ^A	267 ^A	24.1 ^A	10.9 ^A	7.36 ^A	
21:45 PDT																								5.69 ^A
21:45 PST	316 ^A	318 ^A	358 ^A	325 ^A	302 ^A	334 ^A	394 ^A	342 ^A	331 ^A	310 ^A	320 ^A	318 ^A	302 ^A	310 ^A	283 ^A	285 ^A	302 ^A	294 ^A	283 ^A	278 ^A	24.1 ^A	10.6 ^A	7.73 ^A	
22:00 PDT																								6.00 ^A
22:00 PST	344 ^A	314 ^A	386 ^A	312 ^A	325 ^A	325 ^A	366 ^A	334 ^A	298 ^A	304 ^A	304 ^A	320 ^A	310 ^A	302 ^A	291 ^A	289 ^A	276 ^A	291 ^A	283 ^A	270 ^A	22.3 ^A	11.7 ^A	7.36 ^A	
22:15 PDT																								5.39 ^A
22:15 PST	296 ^A	338 ^A	329 ^A	342 ^A	331 ^A	308 ^A	419 ^A	336 ^A	325 ^A	314 ^A	329 ^A	298 ^A	300 ^A	320 ^A	304 ^A	291 ^A	294 ^A	296 ^A	278 ^A	272 ^A	22.3 ^A	10.9 ^A	7.73 ^A	
22:30 PDT																								6.00 ^A
22:30 PST	358 ^A	344 ^A	338 ^A	338 ^A	336 ^A	320 ^A	421 ^A	336 ^A	336 ^A	281 ^A	320 ^A	312 ^A	300 ^A	293 ^A	300 ^A	281 ^A	293 ^A	300 ^A	279 ^A	278 ^A	22.9 ^A	10.6 ^A	7.36 ^A	
22:45 PDT																								6.00 ^A
22:45 PST	314 ^A	327 ^A	366 ^A	348 ^A	306 ^A	327 ^A	384 ^A	344 ^A	312 ^A	306 ^A	324 ^A	314 ^A	296 ^A	287 ^A	308 ^A	308 ^A	308 ^A	291 ^A	287 ^A	289 ^A	22.9 ^A	11.7 ^A	7.73 ^A	
23:00 PDT																								6.00 ^A
23:00 PST	348 ^A	283 ^A	344 ^A	329 ^A	310 ^A	356 ^A	403 ^A	348 ^A	331 ^A	314 ^A	320 ^A	318 ^A	316 ^A	310 ^A	289 ^A	249 ^A	304 ^A	300 ^A	274 ^A	260 ^A	20.7 ^A	10.6 ^A	7.73 ^A	
23:15 PDT																								6.00 ^A
23:15 PST	306 ^A	308 ^A	316 ^A	346 ^A	308 ^A	336 ^A	405 ^A	331 ^A	314 ^A	304 ^A	331 ^A	324 ^A	304 ^A	306 ^A	285 ^A	300 ^A	300 ^A	281 ^A	296 ^A	287 ^A	21.8 ^A	10.6 ^A	7.73 ^A	
23:30 PDT																								5.69 ^A
23:30 PST	348 ^A	318 ^A	364 ^A	322 ^A	291 ^A	329 ^A	384 ^A	336 ^A	306 ^A	320 ^A	316 ^A	285 ^A	281 ^A	298 ^A	274 ^A	310 ^A	267 ^A	287 ^A	274 ^A	276 ^A	20.1 ^A	10.9 ^A	7.73 ^A	
23:45 PDT																								5.69 ^A
23:45 PST	322 ^A	304 ^A	352 ^A	306 ^A	296 ^A	340 ^A	340 ^A	356 ^A	336 ^A	304 ^A	327 ^A	291 ^A	324 ^A	314 ^A	308 ^A	287 ^A	302 ^A	310 ^A	281 ^A	285 ^A	20.7 ^A	10.9 ^A	7.36 ^A	
COUNT	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	92
MAX	358	381	390	377	354	356	421	392	352	350	350	334	336	331	322	322	320	312	306	304	298	20.7	10.9	7.73
MIN	36.9	283	272	272	270	279	322	269	287	281	278	274	281	265	258	249	251	254	261	245	20.1	10.6	7.00	5.39

Explanation

^A	Approved for publication -- Processing and review completed.
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2021

Discharge, cubic feet per second

TIME	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9
00:00 PST	0.00 ^A	279 ^A	288 ^A	283 ^A	307 ^A	310 ^A	309 ^A	312 ^A	310 ^A	310 ^A	334 ^A	310 ^A	256 ^A	309 ^A	266 ^A	265 ^A	259 ^A	130 ^A	123 ^A	111 ^A	102 ^A	97.2 ^A	97.2 ^A	96.1 ^A	97.2 ^A	94.0 ^A	9.37 ^A	3.73 ^A	1.60 ^A	0.78 ^A
00:15 PST	0.00 ^A	265 ^A	281 ^A	288 ^A	292 ^A	292 ^A	318 ^A	309 ^A	316 ^A	314 ^A	314 ^A	318 ^A	252 ^A	307 ^A	261 ^A	266 ^A	261 ^A	129 ^A	126 ^A	108 ^A	99.4 ^A	96.1 ^A	98.3 ^A	96.1 ^A	94.0 ^A	98.3 ^A	9.73 ^A	3.73 ^A	1.60 ^A	0.78 ^A
00:30 PST	0.00 ^A	284 ^A	297 ^A	290 ^A	292 ^A	301 ^A	316 ^A	312 ^A	307 ^A	303 ^A	326 ^A	330 ^A	251 ^A	299 ^A	263 ^A	261 ^A	266 ^A	130 ^A	120 ^A	105 ^A	101 ^A	99.4 ^A	102 ^A	99.4 ^A	96.1 ^A	94.0 ^A	9.01 ^A	3.50 ^A	1.60 ^A	0.78 ^A
00:45 PST	0.00 ^A	284 ^A	288 ^A	288 ^A	295 ^A	307 ^A	301 ^A	312 ^A	318 ^A	301 ^A	307 ^A	318 ^A	249 ^A	301 ^A	265 ^A	263 ^A	256 ^A	130 ^A	126 ^A	108 ^A	103 ^A	97.2 ^A	101 ^A	99.4 ^A	98.3 ^A	99.4 ^A	9.01 ^A	3.50 ^A	1.60 ^A	0.78 ^A
01:00 PST	0.00 ^A	263 ^A	305 ^A	295 ^A	301 ^A	299 ^A	310 ^A	310 ^A	318 ^A	314 ^A	330 ^A	324 ^A	261 ^A	297 ^A	263 ^A	266 ^A	259 ^A	128 ^A	125 ^A	107 ^A	98.3 ^A	101 ^A	101 ^A	99.4 ^A	97.2 ^A	94.0 ^A	9.01 ^A	3.50 ^A	1.60 ^A	0.78 ^A
01:15 PST	0.00 ^A	286 ^A	274 ^A	284 ^A	307 ^A	294 ^A	305 ^A	307 ^A	301 ^A	312 ^A	328 ^A	310 ^A	261 ^A	312 ^A	261 ^A	258 ^A	258 ^A	124 ^A	124 ^A	107 ^A	103 ^A	102 ^A	99.4 ^A	98.3 ^A	92.9 ^A	96.1 ^A	9.01 ^A	3.50 ^A	1.60 ^A	0.78 ^A
01:30 PST	0.00 ^A	288 ^A	283 ^A	290 ^A	303 ^A	303 ^A	309 ^A	312 ^A	322 ^A	307 ^A	326 ^A	328 ^A	263 ^A	299 ^A	265 ^A	268 ^A	265 ^A	126 ^A	124 ^A	107 ^A	101 ^A	98.3 ^A	98.3 ^A	98.3 ^A	98.3 ^A	99.4 ^A	9.01 ^A	3.50 ^A	1.60 ^A	0.78 ^A
01:45 PST	0.00 ^A	279 ^A	294 ^A	288 ^A	299 ^A	305 ^A	312 ^A	309 ^A	314 ^A	322 ^A	324 ^A	322 ^A	258 ^A	303 ^A	268 ^A	259 ^A	266 ^A	125 ^A	126 ^A	107 ^A	101 ^A	99.4 ^A	97.2 ^A	95.1 ^A	101 ^A	99.4 ^A	9.01 ^A	3.29 ^A	1.48 ^A	0.78 ^A
02:00 PST	0.00 ^A	274 ^A	279 ^A	295 ^A	295 ^A	283 ^A	303 ^A	309 ^A	307 ^A	318 ^A	328 ^A	324 ^A	254 ^A	305 ^A	266 ^A	254 ^A	265 ^A	128 ^A	125 ^A	104 ^A	99.4 ^A	97.2 ^A	98.3 ^A	98.3 ^A	98.3 ^A	99.4 ^A	8.32 ^A	3.50 ^A	1.60 ^A	0.78 ^A
02:15 PST	0.00 ^A	286 ^A	292 ^A	310 ^A	274 ^A	310 ^A	303 ^A	312 ^A	299 ^A	322 ^A	320 ^A	330 ^A	254 ^A	316 ^A	261 ^A	256 ^A	259 ^A	129 ^A	126 ^A	105 ^A	98.3 ^A	101 ^A	97.2 ^A	97.2 ^A	101 ^A	96.1 ^A	8.67 ^A	3.50 ^A	1.48 ^A	0.78 ^A
02:30 PST	0.00 ^A	297 ^A	279 ^A	307 ^A	301 ^A	295 ^A	297 ^A	310 ^A	318 ^A	310 ^A	326 ^A	324 ^A	256 ^A	301 ^A	268 ^A	266 ^A	254 ^A	131 ^A	128 ^A	104 ^A	99.4 ^A	98.3 ^A	99.4 ^A	99.4 ^A	97.2 ^A	95.1 ^A	8.32 ^A	3.29 ^A	1.48 ^A	0.78 ^A
02:45 PST	0.00 ^A	297 ^A	294 ^A	294 ^A	299 ^A	297 ^A	307 ^A	318 ^A	324 ^A	320 ^A	320 ^A	309 ^A	259 ^A	299 ^A	268 ^A	268 ^A	261 ^A	128 ^A	129 ^A	103 ^A	99.4 ^A	97.2 ^A	97.2 ^A	97.2 ^A	101 ^A	98.3 ^A	8.32 ^A	3.29 ^A	1.48 ^A	0.70 ^A
03:00 PST	0.00 ^A	290 ^A	272 ^A	295 ^A	286 ^A	303 ^A	316 ^A	309 ^A	316 ^A	312 ^A	334 ^A	322 ^A	261 ^A	305 ^A	263 ^A	261 ^A	261 ^A	125 ^A	133 ^A	106 ^A	102 ^A	101 ^A	97.2 ^A	97.2 ^A	99.4 ^A	96.1 ^A	7.99 ^A	3.29 ^A	1.48 ^A	0.70 ^A
03:15 PST	0.00 ^A	279 ^A	290 ^A	297 ^A	301 ^A	307 ^A	292 ^A	307 ^A	318 ^A	312 ^A	326 ^A	316 ^A	258 ^A	310 ^A	266 ^A	270 ^A	265 ^A	121 ^A	129 ^A	103 ^A	96.1 ^A	101 ^A	98.3 ^A	97.2 ^A	95.1 ^A	98.3 ^A	7.99 ^A	3.29 ^A	1.48 ^A	0.70 ^A
03:30 PST	0.00 ^A	292 ^A	286 ^A	303 ^A	299 ^A	290 ^A	307 ^A	301 ^A	307 ^A	310 ^A	324 ^A	324 ^A	259 ^A	307 ^A	256 ^A	258 ^A	259 ^A	129 ^A	134 ^A	105 ^A	101 ^A	99.4 ^A	98.3 ^A	102 ^A	99.4 ^A	99.4 ^A	7.99 ^A	3.29 ^A	1.48 ^A	0.70 ^A
03:45 PST	0.00 ^A	286 ^A	288 ^A	303 ^A	301 ^A	290 ^A	307 ^A	324 ^A	312 ^A	316 ^A	328 ^A	334 ^A	261 ^A	297 ^A	266 ^A	259 ^A	268 ^A	129 ^A	128 ^A	103 ^A	99.4 ^A	101 ^A	99.4 ^A	99.4 ^A	96.1 ^A	96.1 ^A	7.99 ^A	3.29 ^A	1.48 ^A	0.70 ^A
04:00 PST	0.00 ^A	288 ^A	281 ^A	303 ^A	297 ^A	303 ^A	301 ^A	297 ^A	310 ^A	318 ^A	336 ^A	310 ^A	251 ^A	303 ^A	261 ^A	259 ^A	266 ^A	126 ^A	130 ^A	99.4 ^A	98.3 ^A	98.3 ^A	96.1 ^A	99.4 ^A	101 ^A	97.2 ^A	7.99 ^A	3.29 ^A	1.36 ^A	0.70 ^A
04:15 PST	0.00 ^A	294 ^A	284 ^A	290 ^A	294 ^A	303 ^A	314 ^A	303 ^A	312 ^A	305 ^A	324 ^A	332 ^A	261 ^A	309 ^A	272 ^A	259 ^A	259 ^A	126 ^A	133 ^A	102 ^A	103 ^A	102 ^A	99.4 ^A	98.3 ^A	92.9 ^A	94.0 ^A	7.99 ^A	3.08 ^A	1.48 ^A	0.70 ^A
04:30 PST	0.00 ^A	297 ^A	284 ^A	295 ^A	283 ^A	292 ^A	303 ^A	316 ^A	314 ^A	320 ^A	310 ^A	320 ^A	274 ^A	295 ^A	265 ^A	261 ^A	261 ^A	125 ^A	130 ^A	102 ^A	99.4 ^A	98.3 ^A	98.3 ^A	97.2 ^A	99.4 ^A	97.2 ^A	7.66 ^A	3.29 ^A	1.36 ^A	0.70 ^A
04:45 PST	0.00 ^A	294 ^A	301 ^A	297 ^A	277 ^A	309 ^A	312 ^A	310 ^A	303 ^A	312 ^A	324 ^A	324 ^A	277 ^A	299 ^A	274 ^A	265 ^A	263 ^A	123 ^A	130 ^A	104 ^A	101 ^A	99.4 ^A	101 ^A	96.1 ^A	95.1 ^A	97.2 ^A	7.34 ^A	3.08 ^A	1.48 ^A	0.70 ^A
05:00 PST	0.00 ^A	281 ^A	277 ^A	294 ^A	307 ^A	305 ^A	295 ^A	309 ^A	314 ^A	309 ^A	334 ^A	322 ^A	288 ^A	312 ^A	258 ^A	270 ^A	258 ^A	121 ^A	136 ^A	99.4 ^A	103 ^A	97.2 ^A	97.2 ^A	101 ^A	97.2 ^A	99.4 ^A	7.66 ^A	3.08 ^A	1.48 ^A	0.70 ^A
05:15 PST	0.00 ^A	290 ^A	301 ^A	290 ^A	284 ^A	297 ^A	312 ^A	322 ^A	309 ^A	314 ^A	328 ^A	320 ^A	290 ^A	307 ^A	263 ^A	266 ^A	263 ^A	125 ^A	130 ^A	104 ^A	101 ^A	101 ^A	99.4 ^A	98.3 ^A	98.3 ^A	96.1 ^A	7.34 ^A	3.08 ^A	1.36 ^A	0.70 ^A
05:30 PST	0.00 ^A	301 ^A	299 ^A	303 ^A	292 ^A	307 ^A	294 ^A	299 ^A	314 ^A	316 ^A	328 ^A	318 ^A	290 ^A	310 ^A	263 ^A	263 ^A	263 ^A	125 ^A	131 ^A	103 ^A	99.4 ^A	97.2 ^A	97.2 ^A	101 ^A	94.0 ^A	101 ^A	7.34 ^A	3.08 ^A	1.36 ^A	0.70 ^A
05:45 PST	0.00 ^A	301 ^A	274 ^A	294 ^A	299 ^A	290 ^A	314 ^A	307 ^A	309 ^A	318 ^A	320 ^A	328 ^A	301 ^A	309 ^A	259 ^A	259 ^A	259 ^A	126 ^A	135 ^A	103 ^A	99.4 ^A	102 ^A	98.3 ^A	97.2 ^A	97.2 ^A	96.1 ^A	7.02 ^A	3.08 ^A	1.36 ^A	0.70 ^A
06:00 PST	0.00 ^A	294 ^A	303 ^A	295 ^A	297 ^A	295 ^A	320 ^A	310 ^A	312 ^A	307 ^A	332 ^A	332 ^A	312 ^A	318 ^A	261 ^A	258 ^A	270 ^A	126 ^A	128 ^A	102 ^A	102 ^A	101 ^A	97.2 ^A	96.1 ^A	97.2 ^A	97.2 ^A	7.02 ^A	3.08 ^A	1.36 ^A	0.70 ^A
06:15 PST	0.00 ^A	307 ^A	283 ^A	292 ^A	301 ^A	309 ^A	305 ^A	307 ^A	310 ^A	314 ^A	322 ^A	332 ^A	305 ^A	307 ^A	270 ^A	265 ^A	266 ^A	128 ^A	130 ^A	103 ^A	99.4 ^A	99.4 ^A	98.3 ^A	95.1 ^A	97.2 ^A	94.0 ^A	7.02 ^A	3.08 ^A	1.36 ^A	0.70 ^A
06:30 PST	0.00 ^A	297 ^A	299 ^A	301 ^A	290 ^A	294 ^A	307 ^A	303 ^A	314 ^A	301 ^A	318 ^A	318 ^A	316 ^A	307 ^A	272 ^A	261 ^A	268 ^A	124 ^A	128 ^A	102 ^A	99.4 ^A	101 ^A	101 ^A	101 ^A	97.2 ^A	97.2 ^A	7.02 ^A	3.08 ^A	1.36 ^A	0.70 ^A
06:45 PST	0.00 ^A	301 ^A	297 ^A	299 ^A	305 ^A	312 ^A	299 ^A	310 ^A	320 ^A	328 ^A	318 ^A	318 ^A	312 ^A	312 ^A	281 ^A	263 ^A	268 ^A	121 ^A	131 ^A	101 ^A	98.3 ^A	98.3 ^A	99.4 ^A	101 ^A	96.1 ^A	97.2 ^A	7.02 ^A	2.88 ^A	1.36 ^A	0.70 ^A
07:00 PST	0.00 ^A	303 ^A	292 ^A	292 ^A	309 ^A	307 ^A	305 ^A	316 ^A	303 ^A	307 ^A	328 ^A	320 ^A	316 ^A	309 ^A	274 ^A	259 ^A	258 ^A	125 ^A	128 ^A	99.4 ^A										

TIME	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9
09:45 PST	0.00 ^A	307 ^A	299 ^A	295 ^A	277 ^A	312 ^A	303 ^A	312 ^A	310 ^A	314 ^A	330 ^A	322 ^A	312 ^A	309 ^A	263 ^A	259 ^A	252 ^A	123 ^A	128 ^A	101 ^A	101 ^A	101 ^A	98.3 ^A	97.2 ^A	95.1 ^A	95.1 ^A	6.41 ^A	2.69 ^A	1.25 ^A	0.57 ^A
10:00 PST	0.00 ^A	307 ^A	274 ^A	307 ^A	297 ^A	297 ^A	301 ^A	318 ^A	312 ^A	310 ^A	324 ^A	314 ^A	314 ^A	309 ^A	254 ^A	274 ^A	258 ^A	128 ^A	125 ^A	104 ^A	101 ^A	99.4 ^A	102 ^A	96.1 ^A	99.4 ^A	92.9 ^A	6.12 ^A	2.69 ^A	1.14 ^A	0.63 ^A
10:15 PST	0.00 ^A	314 ^A	292 ^A	299 ^A	288 ^A	290 ^A	307 ^A	307 ^A	312 ^A	314 ^A	326 ^A	322 ^A	309 ^A	312 ^A	258 ^A	259 ^A	265 ^A	128 ^A	130 ^A	103 ^A	99.4 ^A	97.2 ^A	98.3 ^A	99.4 ^A	95.1 ^A	91.8 ^A	6.12 ^A	2.69 ^A	1.14 ^A	0.57 ^A
10:30 PST	0.00 ^A	294 ^A	288 ^A	301 ^A	288 ^A	297 ^A	309 ^A	316 ^A	318 ^A	324 ^A	328 ^A	320 ^A	301 ^A	299 ^A	256 ^A	254 ^A	265 ^A	128 ^A	130 ^A	101 ^A	97.2 ^A	98.3 ^A	99.4 ^A	99.4 ^A	99.4 ^A	80.5 ^A	6.12 ^A	2.69 ^A	1.14 ^A	0.57 ^A
10:45 PST	0.00 ^A	320 ^A	275 ^A	292 ^A	303 ^A	301 ^A	303 ^A	307 ^A	314 ^A	322 ^A	328 ^A	303 ^A	301 ^A	297 ^A	270 ^A	259 ^A	254 ^A	126 ^A	131 ^A	105 ^A	98.3 ^A	97.2 ^A	102 ^A	98.3 ^A	98.3 ^A	70.8 ^A	6.12 ^A	2.51 ^A	1.14 ^A	0.57 ^A
11:00 PST	0.00 ^A	310 ^A	288 ^A	286 ^A	301 ^A	286 ^A	294 ^A	309 ^A	310 ^A	310 ^A	318 ^A	275 ^A	309 ^A	295 ^A	265 ^A	266 ^A	266 ^A	125 ^A	128 ^A	104 ^A	99.4 ^A	101 ^A	102 ^A	98.3 ^A	96.1 ^A	62.6 ^A	5.83 ^A	2.51 ^A	1.14 ^A	0.57 ^A
11:15 PST	0.00 ^A	312 ^A	303 ^A	288 ^A	303 ^A	299 ^A	316 ^A	307 ^A	303 ^A	316 ^A	330 ^A	281 ^A	305 ^A	303 ^A	265 ^A	258 ^A	254 ^A	128 ^A	130 ^A	98.3 ^A	98.3 ^A	98.3 ^A	99.4 ^A	97.2 ^A	98.3 ^A	57.4 ^A	5.83 ^A	2.51 ^A	1.14 ^A	0.57 ^A
11:30 PST	0.00 ^A	305 ^A	281 ^A	288 ^A	295 ^A	303 ^A	314 ^A	307 ^A	318 ^A	314 ^A	322 ^A	254 ^A	318 ^A	297 ^A	263 ^A	268 ^A	258 ^A	128 ^A	129 ^A	103 ^A	101 ^A	102 ^A	101 ^A	96.1 ^A	95.1 ^A	51.6 ^A	5.54 ^A	2.51 ^A	1.14 ^A	0.63 ^A
11:45 PST	0.00 ^A	314 ^A	288 ^A	305 ^A	290 ^A	299 ^A	301 ^A	326 ^A	309 ^A	316 ^A	326 ^A	259 ^A	309 ^A	284 ^A	272 ^A	252 ^A	261 ^A	124 ^A	130 ^A	103 ^A	101 ^A	96.1 ^A	99.4 ^A	97.2 ^A	95.1 ^A	44.5 ^A	5.54 ^A	2.51 ^A	1.14 ^A	0.57 ^A
12:00 PST	0.00 ^A	297 ^A	292 ^A	297 ^A	303 ^A	297 ^A	312 ^A	322 ^A	316 ^A	314 ^A	314 ^A	263 ^A	314 ^A	279 ^A	265 ^A	265 ^A	261 ^A	125 ^A	129 ^A	102 ^A	101 ^A	102 ^A	95.1 ^A	99.4 ^A	95.1 ^A	41.6 ^A	5.83 ^A	2.51 ^A	1.14 ^A	0.63 ^A
12:15 PST	0.00 ^A	312 ^A	297 ^A	283 ^A	294 ^A	295 ^A	288 ^A	318 ^A	303 ^A	324 ^A	330 ^A	266 ^A	307 ^A	265 ^A	275 ^A	263 ^A	275 ^A	125 ^A	126 ^A	102 ^A	101 ^A	97.2 ^A	97.2 ^A	97.2 ^A	96.1 ^A	38.0 ^A	5.83 ^A	2.51 ^A	1.14 ^A	0.63 ^A
12:30 PST	0.00 ^A	305 ^A	295 ^A	297 ^A	303 ^A	307 ^A	318 ^A	316 ^A	307 ^A	326 ^A	324 ^A	265 ^A	295 ^A	284 ^A	275 ^A	259 ^A	268 ^A	125 ^A	128 ^A	103 ^A	98.3 ^A	102 ^A	98.3 ^A	98.3 ^A	99.4 ^A	35.9 ^A	5.54 ^A	2.51 ^A	1.14 ^A	0.63 ^A
12:45 PST	0.00 ^A	312 ^A	286 ^A	275 ^A	299 ^A	303 ^A	305 ^A	310 ^A	312 ^A	309 ^A	336 ^A	259 ^A	309 ^A	265 ^A	277 ^A	254 ^A	268 ^A	125 ^A	125 ^A	102 ^A	97.2 ^A	101 ^A	101 ^A	101 ^A	96.1 ^A	32.6 ^A	5.54 ^A	2.34 ^A	1.14 ^A	0.63 ^A
13:00 PST	0.00 ^A	314 ^A	294 ^A	286 ^A	303 ^A	297 ^A	305 ^A	314 ^A	316 ^A	318 ^A	324 ^A	258 ^A	299 ^A	261 ^A	274 ^A	258 ^A	266 ^A	125 ^A	126 ^A	103 ^A	102 ^A	98.3 ^A	97.2 ^A	99.4 ^A	98.3 ^A	32.0 ^A	5.54 ^A	2.34 ^A	1.14 ^A	0.63 ^A
13:15 PST	0.00 ^A	303 ^A	283 ^A	294 ^A	310 ^A	297 ^A	288 ^A	312 ^A	305 ^A	307 ^A	328 ^A	254 ^A	320 ^A	268 ^A	275 ^A	261 ^A	268 ^A	128 ^A	131 ^A	102 ^A	99.4 ^A	101 ^A	97.2 ^A	98.3 ^A	99.4 ^A	30.1 ^A	5.54 ^A	2.34 ^A	1.14 ^A	0.63 ^A
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13:45 PST	0.00 ^A	307 ^A	299 ^A	294 ^A	288 ^A	292 ^A	314 ^A	312 ^A	309 ^A	314 ^A	326 ^A	251 ^A	316 ^A	268 ^A	272 ^A	259 ^A	272 ^A	125 ^A	128 ^A	99.4 ^A	99.4 ^A	98.3 ^A	99.4 ^A	98.3 ^A	95.1 ^A	26.4 ^A	5.27 ^A	2.34 ^A	1.25 ^A	0.63 ^A
14:00 PST	0.00 ^A	309 ^A	281 ^A	288 ^A	299 ^A	299 ^A	305 ^A	301 ^A	314 ^A	312 ^A	322 ^A	259 ^A	312 ^A	275 ^A	274 ^A	261 ^A	265 ^A	121 ^A	129 ^A	102 ^A	103 ^A	99.4 ^A	101 ^A	102 ^A	99.4 ^A	25.8 ^A	5.27 ^A	2.34 ^A	1.04 ^A	0.63 ^A
14:15 PST	0.00 ^A	303 ^A	299 ^A	294 ^A	307 ^A	301 ^A	292 ^A	310 ^A	316 ^A	314 ^A	322 ^A	256 ^A	316 ^A	266 ^A	268 ^A	268 ^A	256 ^A	125 ^A	126 ^A	103 ^A	98.3 ^A	98.3 ^A	98.3 ^A	101 ^A	99.4 ^A	25.3 ^A	5.27 ^A	2.18 ^A	1.04 ^A	0.63 ^A
14:30 PST	0.00 ^A	301 ^A	305 ^A	286 ^A	303 ^A	301 ^A	310 ^A	318 ^A	305 ^A	316 ^A	318 ^A	254 ^A	322 ^A	272 ^A	266 ^A	254 ^A	266 ^A	126 ^A	129 ^A	102 ^A	101 ^A	101 ^A	98.3 ^A	97.2 ^A	94.0 ^A	24.7 ^A	5.00 ^A	2.34 ^A	1.04 ^A	0.63 ^A
14:45 PST	0.00 ^A	322 ^A	281 ^A	294 ^A	309 ^A	316 ^A	309 ^A	307 ^A	307 ^A	309 ^A	316 ^A	254 ^A	307 ^A	266 ^A	266 ^A	261 ^A	265 ^A	121 ^A	128 ^A	99.4 ^A	102 ^A	102 ^A	96.1 ^A	96.1 ^A	99.4 ^A	22.5 ^A	5.27 ^A	2.34 ^A	1.04 ^A	0.63 ^A
15:00 PST	0.00 ^A	310 ^A	295 ^A	309 ^A	309 ^A	305 ^A	305 ^A	307 ^A	312 ^A	320 ^A	338 ^A	258 ^A	322 ^A	261 ^A	268 ^A	268 ^A	265 ^A	126 ^A	131 ^A	101 ^A	102 ^A	101 ^A	97.2 ^A	97.2 ^A	99.4 ^A	23.0 ^A	5.27 ^A	2.18 ^A	1.04 ^A	0.63 ^A
15:15 PST	0.00 ^A	312 ^A	301 ^A	305 ^A	297 ^A	295 ^A	303 ^A	312 ^A	307 ^A	312 ^A	324 ^A	261 ^A	318 ^A	265 ^A	268 ^A	265 ^A	268 ^A	125 ^A	133 ^A	99.4 ^A	101 ^A	99.4 ^A	97.2 ^A	99.4 ^A	95.1 ^A	21.9 ^A	5.00 ^A	2.18 ^A	1.04 ^A	0.57 ^A
15:30 PST	0.00 ^A	303 ^A	295 ^A	286 ^A	301 ^A	297 ^A	320 ^A	303 ^A	310 ^A	316 ^A	324 ^A	249 ^A	324 ^A	265 ^A	263 ^A	266 ^A	256 ^A	125 ^A	126 ^A	105 ^A	102 ^A	98.3 ^A	97.2 ^A	98.3 ^A	99.4 ^A	20.9 ^A	5.00 ^A	2.18 ^A	1.14 ^A	0.57 ^A
15:45 PST	0.00 ^A	314 ^A	292 ^A	299 ^A	288 ^A	297 ^A	297 ^A	312 ^A	316 ^A	314 ^A	330 ^A	254 ^A	312 ^A	263 ^A	268 ^A	268 ^A	270 ^A	123 ^A	133 ^A	99.4 ^A	96.1 ^A	97.2 ^A	99.4 ^A	98.3 ^A	95.1 ^A	19.8 ^A	5.00 ^A	2.18 ^A	1.14 ^A	0.57 ^A
16:00 PST	0.00 ^A	305 ^A	292 ^A	297 ^A	305 ^A	309 ^A	316 ^A	312 ^A	303 ^A	316 ^A	324 ^A	254 ^A	310 ^A	266 ^A	258 ^A	265 ^A	268 ^A	123 ^A	136 ^A	103 ^A	98.3 ^A	98.3 ^A	96.1 ^A	98.3 ^A	98.3 ^A	19.3 ^A	5.00 ^A	2.02 ^A	1.14 ^A	0.57 ^A
16:15 PST	0.00 ^A	290 ^A	290 ^A	299 ^A	305 ^A	301 ^A	316 ^A	320 ^A	305 ^A	310 ^A	324 ^A	256 ^A	322 ^A	274 ^A	270 ^A	263 ^A	272 ^A	125 ^A	134 ^A	101 ^A	101 ^A	98.3 ^A	95.1 ^A	99.4 ^A	95.1 ^A	18.3 ^A	5.00 ^A	2.02 ^A	1.04 ^A	0.57 ^A
16:30 PST	0.00 ^A	286 ^A	297 ^A	295 ^A	286 ^A	292 ^A	297 ^A	316 ^A	307 ^A	309 ^A	328 ^A	252 ^A	324 ^A	265 ^A	266 ^A	268 ^A	265 ^A	125 ^A	131 ^A	97.2 ^A	98.3 ^A	102 ^A	97.2 ^A	101 ^A	98.3 ^A	18.3 ^A	4.72 ^A	2.02 ^A	0.95 ^A	0.50 ^A
16:45 PST	0.00 ^A	290 ^A	294 ^A	297 ^A	309 ^A	303 ^A	309 ^A	312 ^A	320 ^A	305 ^A	332 ^A	263 ^A	314 ^A	263 ^A	263 ^A	261 ^A	258 ^A	126 ^A	133 ^A	104 ^A	99.4 ^A	102 ^A	99.4 ^A	98.3 ^A	97.2 ^A </					

TIME	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9
19:45 PST	252 ^A	288 ^A	295 ^A	307 ^A	297 ^A	294 ^A	316 ^A	318 ^A	318 ^A	312 ^A	318 ^A	258 ^A	309 ^A	258 ^A	266 ^A	265 ^A	138 ^A	124 ^A	106 ^A	104 ^A	99.4 ^A	99.4 ^A	98.3 ^A	99.4 ^A	97.2 ^A	12.9 ^A	4.21 ^A	1.88 ^A	0.86 ^A	0.45 ^A
20:00 PST	242 ^A	272 ^A	299 ^A	284 ^A	274 ^A	295 ^A	303 ^A	310 ^A	312 ^A	309 ^A	324 ^A	261 ^A	307 ^A	263 ^A	263 ^A	261 ^A	136 ^A	123 ^A	107 ^A	99.4 ^A	101 ^A	98.3 ^A	97.2 ^A	97.2 ^A	96.1 ^A	12.9 ^A	4.21 ^A	1.88 ^A	0.86 ^A	0.45 ^A
20:15 PST	256 ^A	297 ^A	294 ^A	303 ^A	284 ^A	309 ^A	301 ^A	318 ^A	312 ^A	309 ^A	322 ^A	251 ^A	314 ^A	266 ^A	246 ^A	270 ^A	134 ^A	123 ^A	107 ^A	104 ^A	97.2 ^A	98.3 ^A	95.1 ^A	101 ^A	97.2 ^A	12.4 ^A	3.96 ^A	1.74 ^A	0.86 ^A	0.45 ^A
20:30 PST	256 ^A	275 ^A	294 ^A	307 ^A	297 ^A	301 ^A	314 ^A	312 ^A	318 ^A	314 ^A	326 ^A	259 ^A	303 ^A	266 ^A	258 ^A	261 ^A	135 ^A	125 ^A	106 ^A	103 ^A	102 ^A	98.3 ^A	99.4 ^A	97.2 ^A	97.2 ^A	12.4 ^A	4.21 ^A	1.74 ^A	0.86 ^A	0.45 ^A
20:45 PST	252 ^A	286 ^A	299 ^A	297 ^A	294 ^A	301 ^A	292 ^A	318 ^A	312 ^A	312 ^A	326 ^A	251 ^A	307 ^A	266 ^A	266 ^A	263 ^A	135 ^A	123 ^A	110 ^A	96.1 ^A	95.1 ^A	101 ^A	99.4 ^A	96.1 ^A	97.2 ^A	12.0 ^A	3.96 ^A	1.74 ^A	0.86 ^A	0.45 ^A
21:00 PST	247 ^A	295 ^A	294 ^A	294 ^A	297 ^A	299 ^A	316 ^A	324 ^A	316 ^A	310 ^A	330 ^A	258 ^A	307 ^A	261 ^A	259 ^A	263 ^A	135 ^A	124 ^A	113 ^A	103 ^A	101 ^A	98.3 ^A	96.1 ^A	97.2 ^A	96.1 ^A	12.0 ^A	3.96 ^A	1.74 ^A	0.86 ^A	0.45 ^A
21:15 PST	246 ^A	286 ^A	295 ^A	284 ^A	295 ^A	322 ^A	281 ^A	307 ^A	322 ^A	303 ^A	326 ^A	258 ^A	309 ^A	268 ^A	265 ^A	266 ^A	136 ^A	125 ^A	113 ^A	95.1 ^A	101 ^A	98.3 ^A	97.2 ^A	95.1 ^A	97.2 ^A	11.2 ^A	3.96 ^A	1.74 ^A	0.86 ^A	0.45 ^A
21:30 PST	256 ^A	283 ^A	294 ^A	290 ^A	305 ^A	297 ^A	316 ^A	316 ^A	322 ^A	301 ^A	324 ^A	258 ^A	305 ^A	261 ^A	266 ^A	268 ^A	125 ^A	123 ^A	111 ^A	98.3 ^A	91.8 ^A	101 ^A	97.2 ^A	94.0 ^A	97.2 ^A	11.2 ^A	3.96 ^A	1.74 ^A	0.86 ^A	0.45 ^A
21:45 PST	265 ^A	284 ^A	299 ^A	299 ^A	299 ^A	299 ^A	309 ^A	312 ^A	316 ^A	309 ^A	322 ^A	254 ^A	295 ^A	268 ^A	265 ^A	254 ^A	133 ^A	124 ^A	112 ^A	102 ^A	98.3 ^A	98.3 ^A	97.2 ^A	96.1 ^A	97.2 ^A	11.2 ^A	3.96 ^A	1.74 ^A	0.78 ^A	0.45 ^A
22:00 PST	259 ^A	284 ^A	274 ^A	274 ^A	314 ^A	305 ^A	307 ^A	312 ^A	303 ^A	310 ^A	320 ^A	249 ^A	310 ^A	265 ^A	272 ^A	265 ^A	133 ^A	125 ^A	113 ^A	102 ^A	103 ^A	98.3 ^A	99.4 ^A	95.1 ^A	95.1 ^A	10.5 ^A	3.96 ^A	1.74 ^A	0.86 ^A	0.45 ^A
22:15 PST	274 ^A	292 ^A	295 ^A	305 ^A	301 ^A	286 ^A	310 ^A	324 ^A	324 ^A	309 ^A	332 ^A	256 ^A	310 ^A	265 ^A	261 ^A	256 ^A	131 ^A	123 ^A	111 ^A	96.1 ^A	91.8 ^A	96.1 ^A	99.4 ^A	96.1 ^A	92.9 ^A	10.9 ^A	3.96 ^A	1.60 ^A	0.78 ^A	0.45 ^A
22:30 PST	270 ^A	281 ^A	274 ^A	292 ^A	307 ^A	297 ^A	305 ^A	324 ^A	324 ^A	307 ^A	324 ^A	254 ^A	299 ^A	268 ^A	261 ^A	261 ^A	133 ^A	126 ^A	119 ^A	103 ^A	101 ^A	102 ^A	91.8 ^A	99.4 ^A	97.2 ^A	10.5 ^A	3.96 ^A	1.74 ^A	0.78 ^A	0.45 ^A
22:45 PST	277 ^A	294 ^A	290 ^A	295 ^A	307 ^A	290 ^A	316 ^A	312 ^A	318 ^A	303 ^A	330 ^A	256 ^A	314 ^A	256 ^A	265 ^A	259 ^A	126 ^A	123 ^A	118 ^A	101 ^A	101 ^A	99.4 ^A	97.2 ^A	97.2 ^A	98.3 ^A	10.5 ^A	3.73 ^A	1.60 ^A	0.78 ^A	0.40 ^A
23:00 PST	254 ^A	295 ^A	303 ^A	275 ^A	281 ^A	307 ^A	309 ^A	316 ^A	309 ^A	290 ^A	330 ^A	247 ^A	312 ^A	263 ^A	268 ^A	259 ^A	131 ^A	123 ^A	117 ^A	97.2 ^A	98.3 ^A	97.2 ^A	96.1 ^A	98.3 ^A	97.2 ^A	10.1 ^A	3.73 ^A	1.60 ^A	0.78 ^A	0.45 ^A
23:15 PST	275 ^A	292 ^A	295 ^A	299 ^A	299 ^A	294 ^A	309 ^A	312 ^A	318 ^A	312 ^A	318 ^A	252 ^A	303 ^A	263 ^A	258 ^A	258 ^A	129 ^A	120 ^A	111 ^A	103 ^A	98.3 ^A	99.4 ^A	98.3 ^A	98.3 ^A	98.3 ^A	9.73 ^A	3.73 ^A	1.60 ^A	0.78 ^A	0.45 ^A
23:30 PST	272 ^A	286 ^A	305 ^A	283 ^A	305 ^A	286 ^A	303 ^A	316 ^A	299 ^A	312 ^A	332 ^A	247 ^A	309 ^A	268 ^A	266 ^A	263 ^A	126 ^A	125 ^A	112 ^A	103 ^A	98.3 ^A	98.3 ^A	101 ^A	96.1 ^A	96.1 ^A	9.73 ^A	3.73 ^A	1.60 ^A	0.78 ^A	0.40 ^A
23:45 PST	270 ^A	281 ^A	294 ^A	288 ^A	303 ^A	310 ^A	318 ^A	322 ^A	299 ^A	324 ^A	318 ^A	263 ^A	305 ^A	266 ^A	266 ^A	266 ^A	129 ^A	125 ^A	112 ^A	101 ^A	101 ^A	99.4 ^A	96.1 ^A	95.1 ^A	94.0 ^A	10.1 ^A	3.73 ^A	1.60 ^A	0.78 ^A	0.45 ^A
COUNT	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
MAX	277	322	307	312	314	322	320	326	324	328	338	334	326	318	281	274	275	131	136	111	103	102	102	102	101	101	9.73	3.73	1.60	0.78
MIN	0.00	263	272	274	274	283	281	295	288	290	307	247	249	254	246	252	125	119	106	95.1	91.8	92.9	91.8	92.9	92.9	9.73	3.73	1.60	0.78	0.40

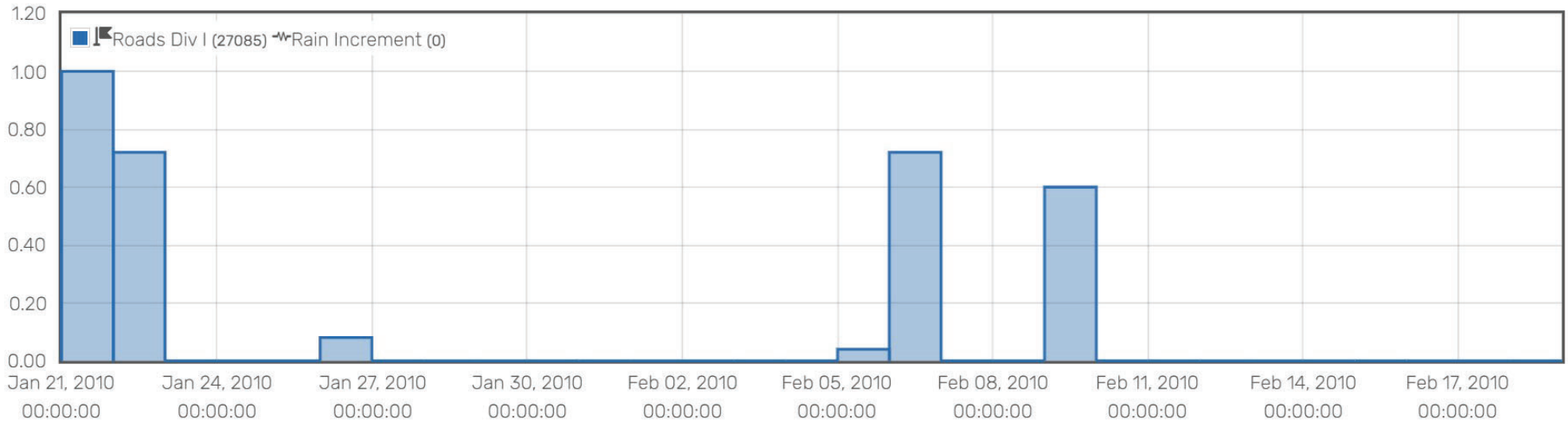
Explanation

A	Approved for publication -- Processing and review completed.
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County of San Diego Roads Division 1 Rain Gage Records

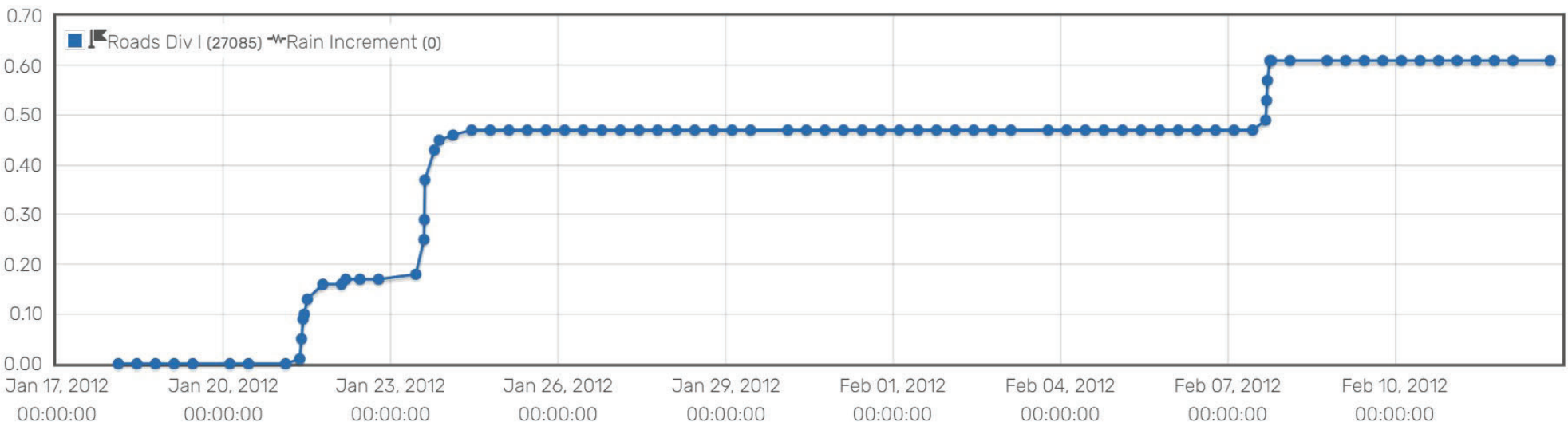
Jan 21, 2010 - 18 February, 2010

Markers Legend Daily



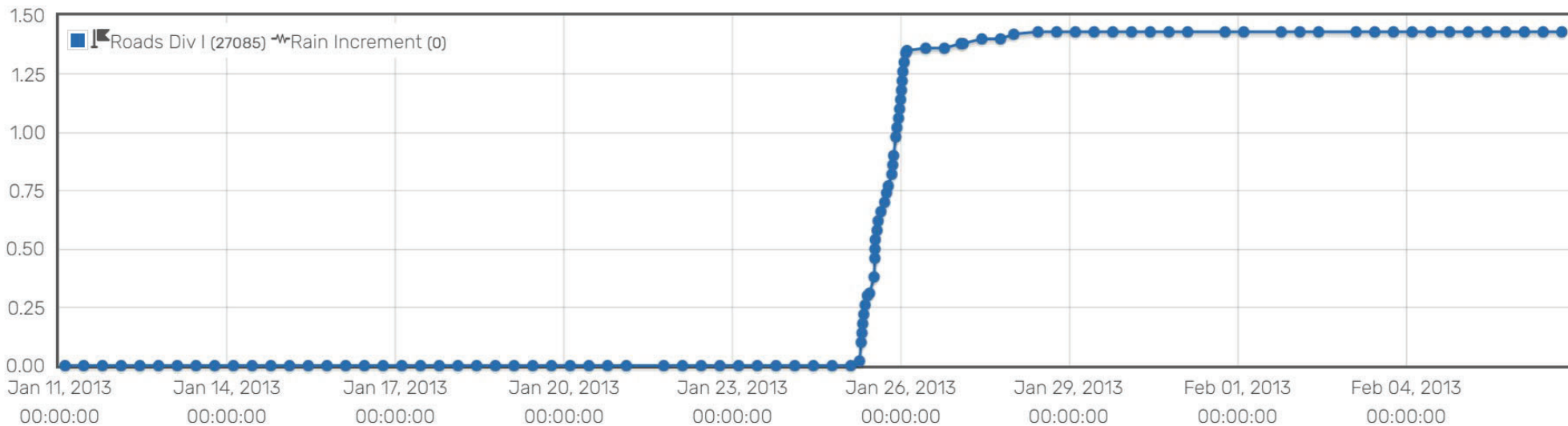
Jan 17, 2012 - 12 February, 2012

Markers Legend Accumulate



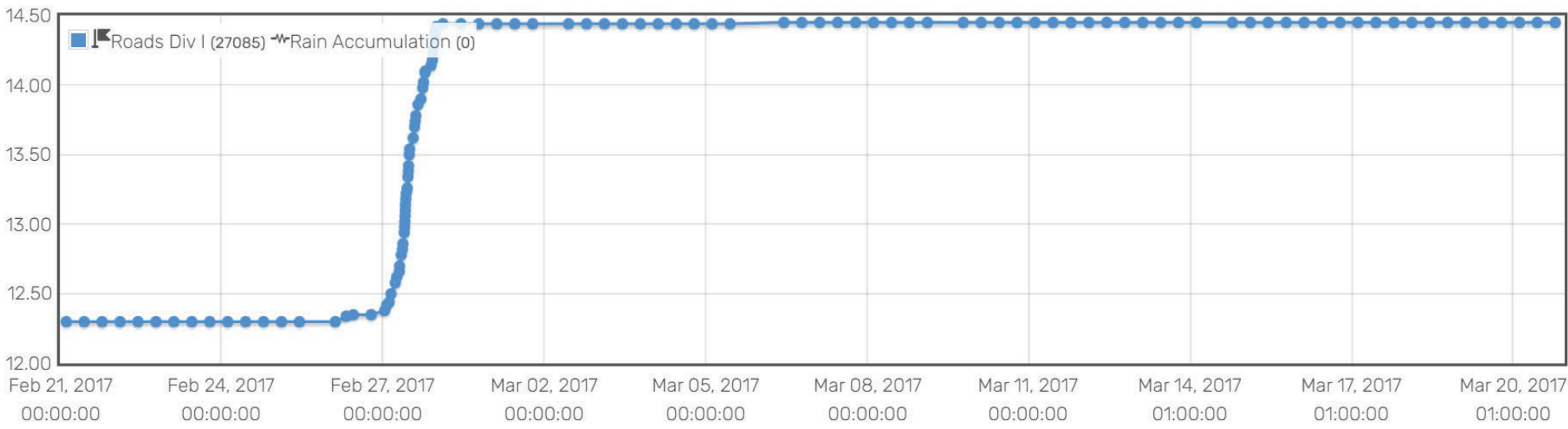
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Markers Legend Accumulate

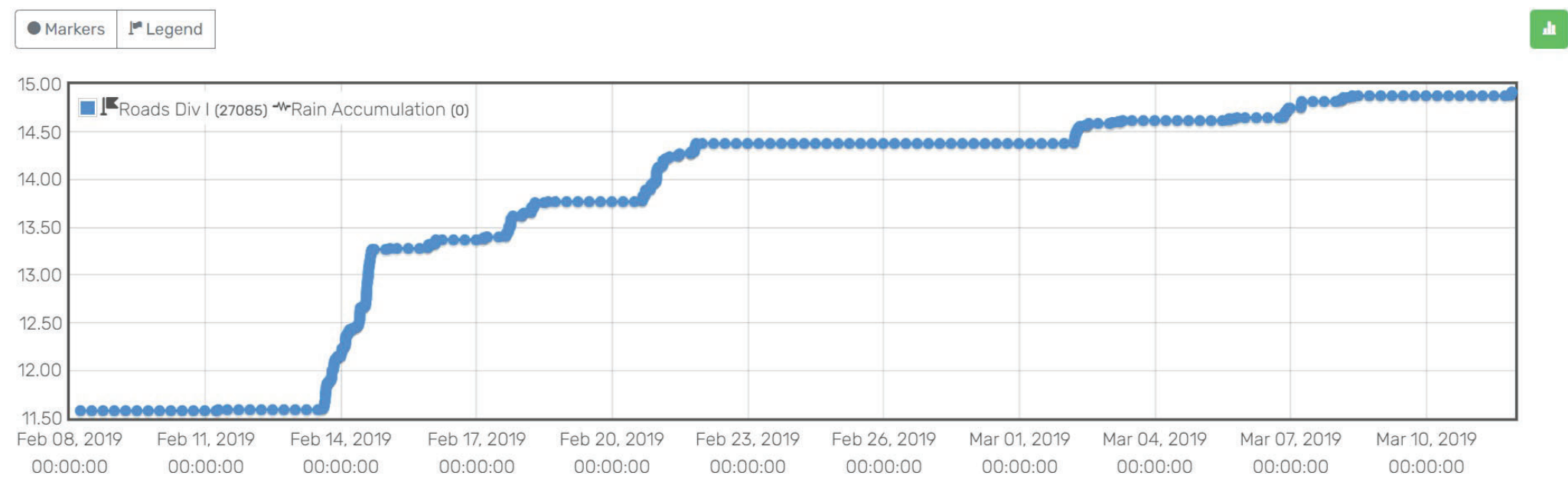


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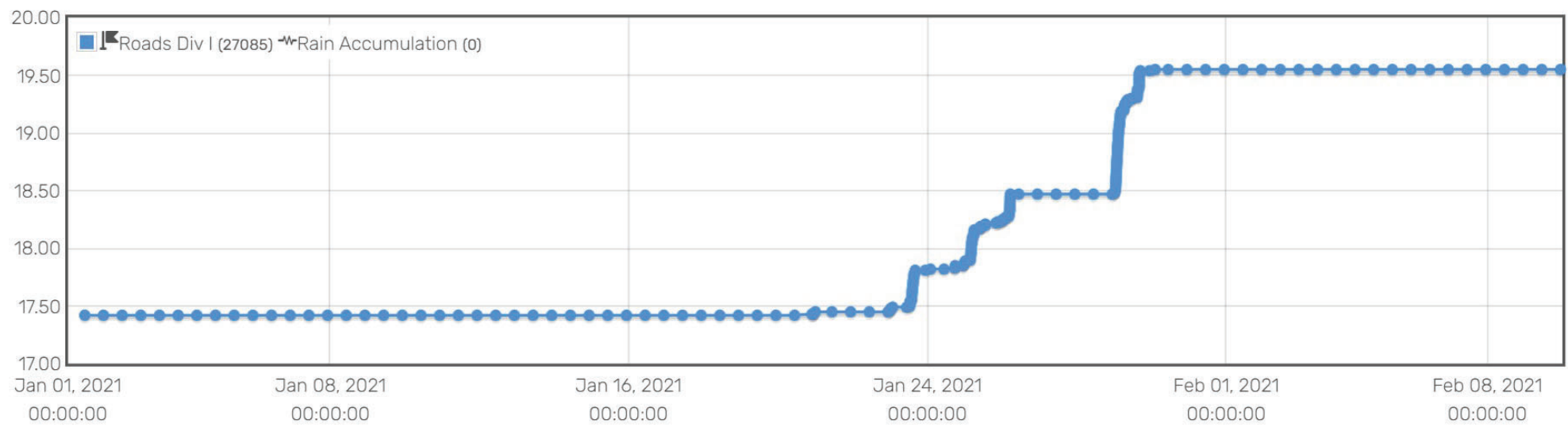


08 February, 2019 - 11 March, 2019



01 January, 2021 - 09 February, 2021

Markers Legend

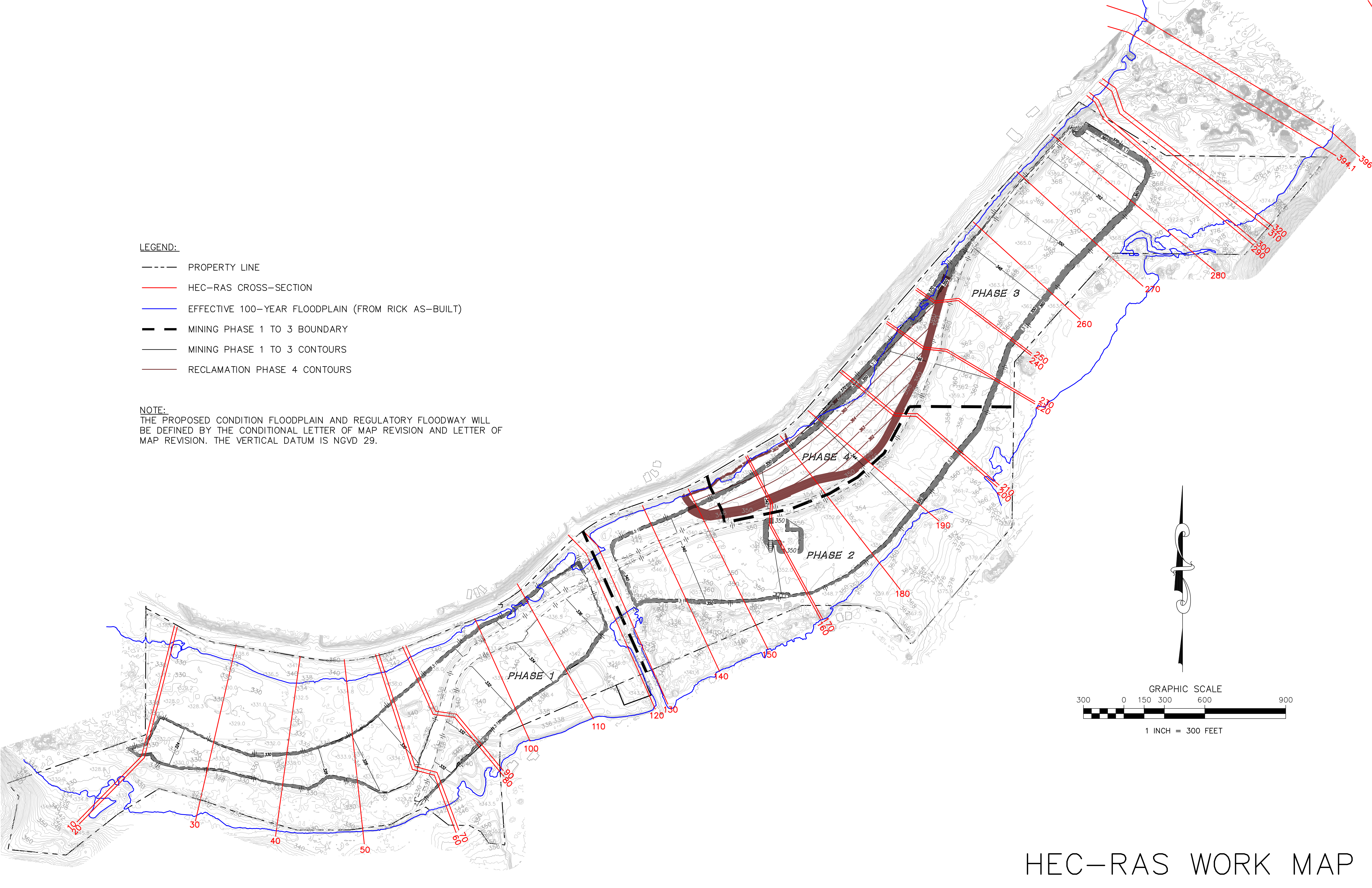


Worksheet for 25' Trapezoidal Channel Capacity

Project Description	
Friction Method	Manning
	Formula
Solve For	Discharge
Input Data	
Roughness Coefficient	0.040
Channel Slope	0.0053 ft/ft
Normal Depth	3.5 ft
Left Side Slope	3.0 H:V
Right Side Slope	2.0 H:V
Bottom Width	25.00 ft
Results	
Discharge	618.1 cfs
Flow Area	118.1 ft ²
Wetted Perimeter	43.9 ft
Hydraulic Radius	2.7 ft
Top Width	42.50 ft
Critical Depth	2.4 ft
Critical Slope	0.0190 ft/ft
Velocity	5.23 ft/s
Velocity Head	0.43 ft
Specific Energy	3.93 ft
Froude Number	0.553
Flow Type	Subcritical
GVF Input Data	
Downstream Depth	0.0 ft
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 ft
Profile Description	N/A
Profile Headloss	0.00 ft
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	3.5 ft
Critical Depth	2.4 ft
Channel Slope	0.0053 ft/ft
Critical Slope	0.0190 ft/ft

Worksheet for 50' Trapezoidal Channel Capacity

Project Description	
Friction Method	Manning
	Formula
Solve For	Discharge
Input Data	
Roughness Coefficient	0.040
Channel Slope	0.0022 ft/ft
Normal Depth	3.5 ft
Left Side Slope	3.0 H:V
Right Side Slope	3.0 H:V
Bottom Width	50.00 ft
Results	
Discharge	756.4 cfs
Flow Area	211.8 ft ²
Wetted Perimeter	72.1 ft
Hydraulic Radius	2.9 ft
Top Width	71.00 ft
Critical Depth	1.9 ft
Critical Slope	0.0199 ft/ft
Velocity	3.57 ft/s
Velocity Head	0.20 ft
Specific Energy	3.70 ft
Froude Number	0.365
Flow Type	Subcritical
GVF Input Data	
Downstream Depth	0.0 ft
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 ft
Profile Description	N/A
Profile Headloss	0.00 ft
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	3.5 ft
Critical Depth	1.9 ft
Channel Slope	0.0022 ft/ft
Critical Slope	0.0199 ft/ft



HEC-RAS WORK MAP