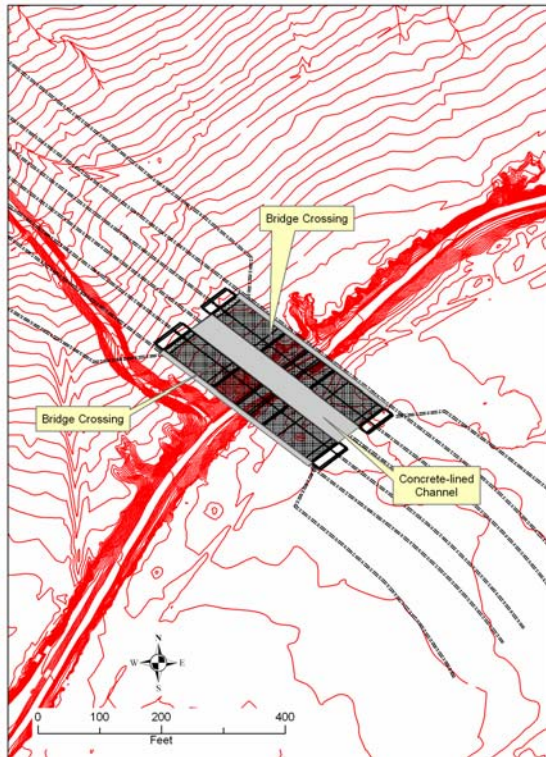


Sediment-Transport and Scour Analysis of Tijeras Arroyo for Design of University Boulevard Bridge Crossing

Bernalillo County, New Mexico



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1. INTRODUCTION

1.1. Background and Project Objectives

The proposed extension of University Boulevard from Rio Bravo to Mesa del Sol in Bernalillo County, New Mexico (metropolitan Albuquerque) will cross Tijeras Arroyo about 6,000 feet upstream of Interstate 25 (**Figure 1.1**). Design of the arroyo crossing requires consideration of the physical conditions at the site, including conditions in the arroyo upstream and downstream of the crossing, and prediction of future conditions as they relate to the stability of the proposed crossing. Physical conditions of concern include the hydraulic capacity of the bridge opening, present and future alignment of the arroyo through the bridge opening, changes in elevations of the channel bed in the vicinity of the bridge over time, and potential scouring of the channel bed adjacent to the bridge and associated infrastructure during large floods.

This report presents the results of a sediment-transport and scour analysis of Tijeras Arroyo in the vicinity of the proposed University Boulevard crossing that was performed by Mussetter Engineering, Inc. (MEI). The purpose of the analysis is to assist Bohannon Huston, Inc. (BHI) in designing the bridge crossing in a manner that will ensure structural safety while maintaining the integrity of the arroyo. As part of this work recommendations for countermeasures and design modifications are made to mitigate potential adverse impacts to the arroyo and to protect the bridge and associated infrastructure from excessive scour or other changes in the arroyo that may jeopardize the stability of the structure.

The following specific tasks were performed as part of this work:

1. A visit to the project site with the client and other members of the project team by MEI's Principal Engineer.
2. Review of available data and previous reports relevant to the current study.
3. A geomorphic analysis of Tijeras Arroyo in the vicinity of the proposed crossing to evaluate historical and potential future channel migration, and changes in bed elevations.
4. A hydraulic analysis of the arroyo extending from about 3,800 feet upstream of the proposed bridge to the upstream end of the concrete-lined channel about 8,000 feet downstream of the proposed bridge (about 1,700 feet downstream of Interstate 25) using the U.S. Army Corps of Engineers (USACE) HEC-RAS computer software (USACE, 2004) (See **Appendix A Maps 1 and 2**). An initial model extending about 700 feet downstream and about 1,200 feet upstream of the proposed crossing, which included the proposed bridge design, was provided by BHI.
5. A sediment-continuity and equilibrium-slope analysis of the arroyo upstream and downstream of the proposed crossing to evaluate the potential for long-term bed elevation changes in the vicinity of the proposed bridge.
6. An evaluation of the local scour potential in the vicinity of the proposed bridge and associated infrastructure.

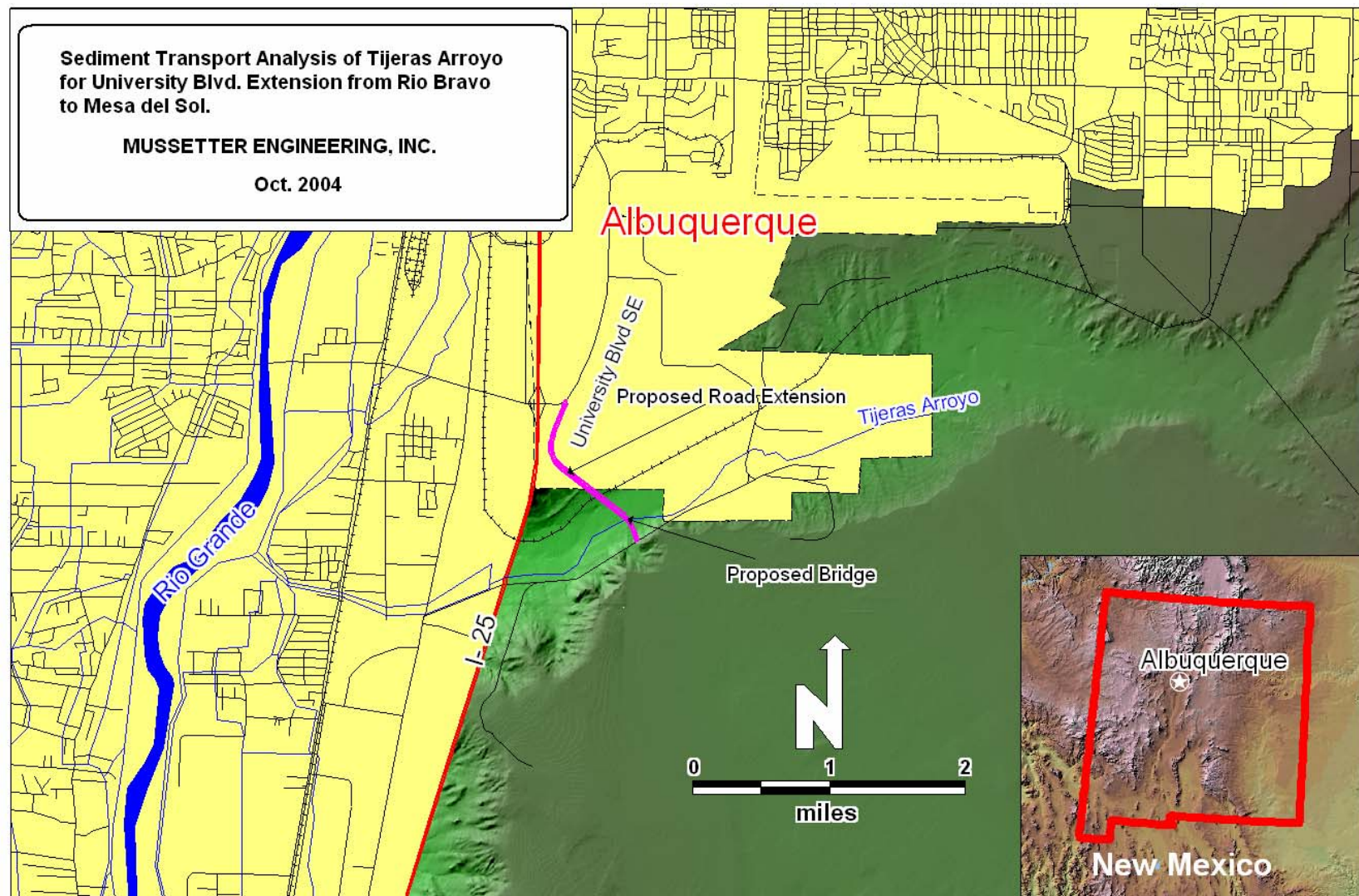


Figure 1.1. Vicinity map of the project area.

7. Development of recommendations for countermeasures and/or design changes that will mitigate potential impacts to the stability of the arroyo and prevent possible damage to the proposed and existing structures.

1.2. Authorization

MEI performed this work under a subcontract agreement with BHI dated June 27, 2002. Mr. Dan Grochowski, P.E. was BHI's Project Manager, and Dr. Bob Mussetter, P.E. was MEI's Project Manager. The following MEI technical staff contributed to the work:

Mr. Gary Wolff, P.E. (CO), Senior Engineer
Mr. Chad Morris, P.E. (CO), Project Engineer
Mr. Mitch Peters, P.E. (CO), Project Engineer
Mr. Stuart C. Trabant, P.E. (CO), Project Engineer
Ms. Kate Muldoon, Junior Engineer
Mr. Matt Iman, Mapping and GIS

1.3. Description of Existing Arroyo

Tijeras Arroyo is an ephemeral stream that drains an approximately 133 square-mile watershed in Bernalillo County, New Mexico. The headwaters lie in the Sandi Mountains east of Albuquerque, and the arroyo drains to the Rio Grande along the southeastern edge of the Albuquerque metropolitan area. The watershed is largely undeveloped, with existing development consisting of low-density residential and sparse commercial/industrial use. Flood flows are typically the result of thunderstorms producing high-intensity but short-duration rainfall.

To facilitate the discussion of the arroyo within the project area, the project reach extending from about 3,800 feet upstream to about 6,000 feet downstream of the proposed bridge was divided into four subreaches based on the similarity of geomorphic characteristics (see Maps 1 and 2, Appendix A). Note that Subreach 3 is further subdivided for purposes of the hydraulic and sediment transport analyses discussed in Chapters 3 and 4.

The arroyo within the project reach is typical of other arroyos in the Albuquerque area, with the stream channel characterized by steeply sloping or vertical banks composed of fine sediment with a generally flat, sandy channel bed (see **Appendix B, Plate B.1**). The arroyo is an incised channel through most of the study reach, with depths ranging from about 11 to 20 feet and topwidths ranging from about 60 to 90 feet in narrower straighter reaches (Subreaches 1 and 3) to over 200 feet at bends in wider, more sinuous areas (bends in Subreach 4). At the proposed bridge crossing, the channel is relatively straight and has a topwidth of about 80 feet and a depth of about 16 feet (**Plate B.2**). The channel is wider with a more sinuous low-flow channel in Subreach 2 upstream of the proposed bridge (**Plate B.3**) and in Subreach 4 downstream of the proposed bridge (**Plate B.4**). A tributary drainage enters Tijeras Arroyo on the right bank about 30 feet downstream of the proposed bridge (**Plate B.5**). This arroyo drains the steep hillside south of the Albuquerque International Airport and may capture runoff from development around the airport. The lower end of this arroyo is deeply incised, likely the result of baselevel lowering from Tijeras Arroyo and possibly from clear-water runoff from the airport area.

Examination of aerial photographs dating back to 1935 shows that the channel through the project reach has changed considerably over time. In 1935 there was very little development in the area and the channel in the vicinity of the proposed bridge was wide with a braided planform (**Figure 1.2**). Channel incision appears to have started at the prison farm located upstream of the proposed bridge, probably resulting in deposition in the area of the bridge and the braided



Figure 1.2. 1935 aerial photograph of Tijeras Arroyo in the vicinity of the proposed bridge.

planform. In 1959 more roads existed in the area, although development was still very sparse (**Figure 1.3**). The channel appears to be straightened for a distance of about 2,400 feet upstream of State Highway 47, and incision appears to have progressed upstream of the straightened channel. Downstream progression of the earlier incision in the vicinity of the prison farm in conjunction with upstream progression of the incision from the straightened channel appears to have consolidated the area around the proposed bridge into a single channel. In 1973 the resolution of the photo is too poor to evaluate clearly the condition of the channel (**Figure 1.4**). The South Diversion Channel had just been completed prior to the photo (approximately 1972). By 1996, the channel appeared much as it does today, with a meandering, single-thread and deeply incised channel (**Figure 1.5**). Development is still relatively sparse along the valley bottom and on the mesas to the south, and the airport has expanded runways to the north. Although difficult to measure accurately from the aerial photographs, the current alignment of the channel in the vicinity of the proposed bridge does not appear to have changed much since 1959. This may imply that the channel had a similar alignment in 1973, although the incision may not have been as deep.

Historical data suggest that significant channel incision through the project reach occurred subsequent to the construction of the concrete channel that begins about 1,700 feet downstream of Interstate 25 (Leedshill-Herkenhoff, Inc, 1990), although as noted previously in the discussion of the aerial photographs some incision may have already been present. According to a statement in the Tijeras Arroyo Drainage Management Plan, Phase II (Leedshill-Herkenhoff, Inc, 1990), it appears that the concrete channel was constructed ten or eleven feet below the previous local bed elevation, resulting in a base-level lowering and subsequent headcutting and upstream channel incision. Examination of the channel morphology and the existing bed profile (**Figure 1.6**) suggests that the incision has progressed all the way through the project reach (there are no obvious headcuts within the reach), and that further incision related to this base-level lowering is unlikely. An apparent local convexity in the bed profile at the upstream end of Subreach 4 may be due to deposition in the channel bends in this area.

Following the five-stage arroyo evolution model as presented in the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) *Sediment and Erosion Design Guide* (Mussetter et al., 1994) (referred to henceforth as the *Design Guide*) (see also Schumm et al, 1984), the existing arroyo through the project reach contains areas that vary between about Stage B or C and Stage E (see Figures 1.2 and 1.3 in the *Design Guide*). Stage B and C channels are relatively narrow and contain steep, nearly vertical side slopes. In Stage B the channel is degrading while in Stage C the channel is in the process of widening, with degradation having reached a maximum and some aggradation is possible. The channel within Subreach 3 that extends through the proposed bridge crossing appears to be in late Stage B or Stage C (**Figure 1.7**). The average width-to-depth ratio for Subreach 3 is about 5, which is typical for a Stage C channel (see Figure 6.7, Schumm et al., 1984). Subreach 1 is also deep and narrow and has an average width-to-depth ratio of about 4. This reach would also likely be in late Stage B or the early part of stage C. In Stage D the channel has widened and the banks have flattened, and alternate bars that form along the channel bottom are creating an inset floodplain. The channel within Subreach 2 upstream of the proposed bridge is wider, with an average width-to-depth ratio of about 7 and appears to be in this stage (**Figure 1.8**). In Stage E the channel has returned to a relative state of equilibrium with the alternate bars having formed an inset floodplain. The channel within Subreach 4 downstream of the proposed bridge has an average width-to-depth ratio of about 11 and appears to be in this stage (**Figure 1.9**). Although this reach appears to be in a relatively stable condition, local bank erosion may continue, particularly where the inset channel intersects the edge of the terrace created by the incision. Any further perturbation of the system, such as increased runoff from upstream urbanization, could initiate further channel incision and channel instability.

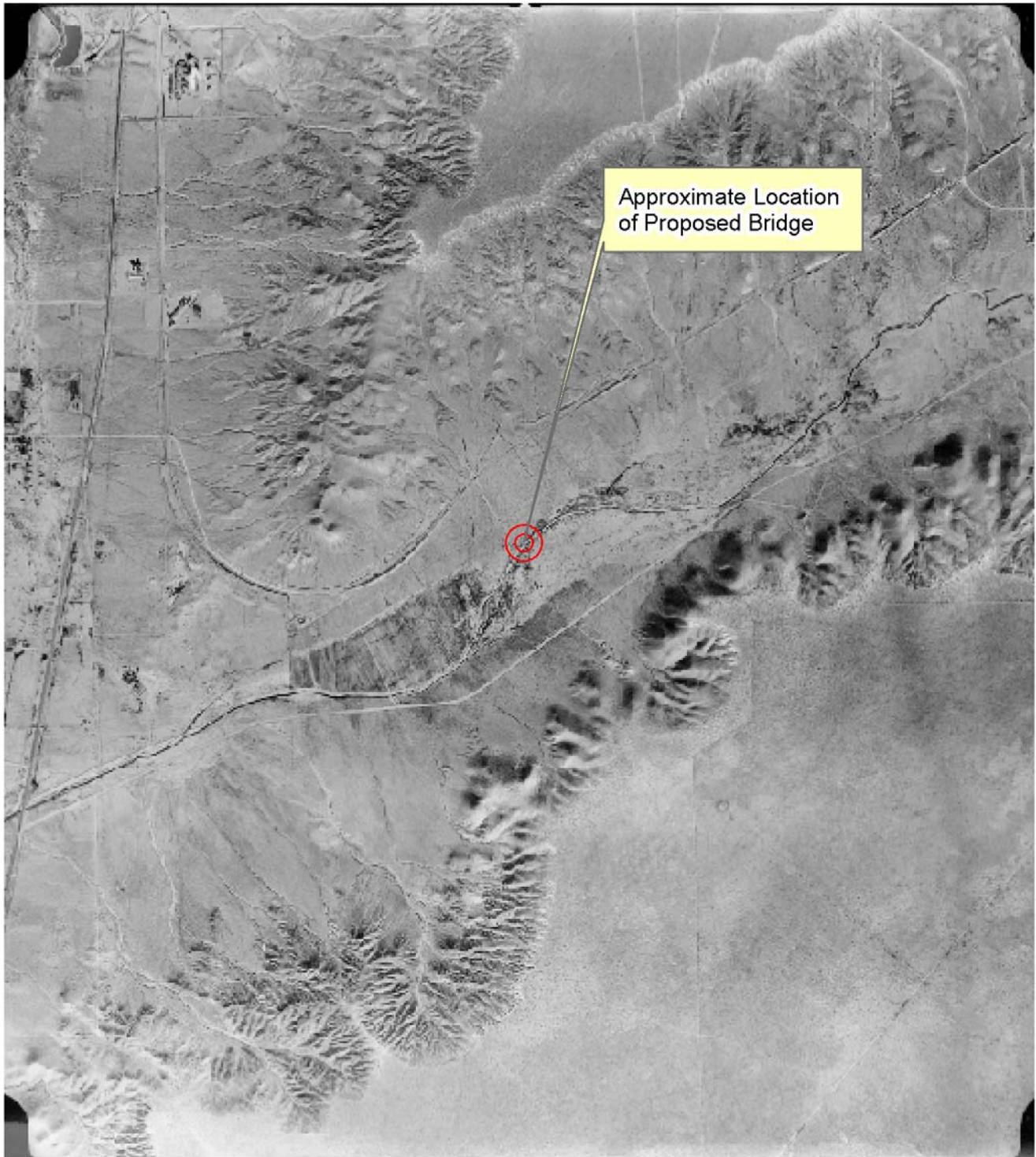


Figure 1.3. 1959 aerial photograph of Tijeras Arroyo in the vicinity of the proposed bridge.



Figure 1.4. 1973 aerial photograph of Tijeras Arroyo in the vicinity of the proposed bridge.



Figure 1.5. 1996 aerial photograph of Tijeras Arroyo in the vicinity of the proposed bridge.

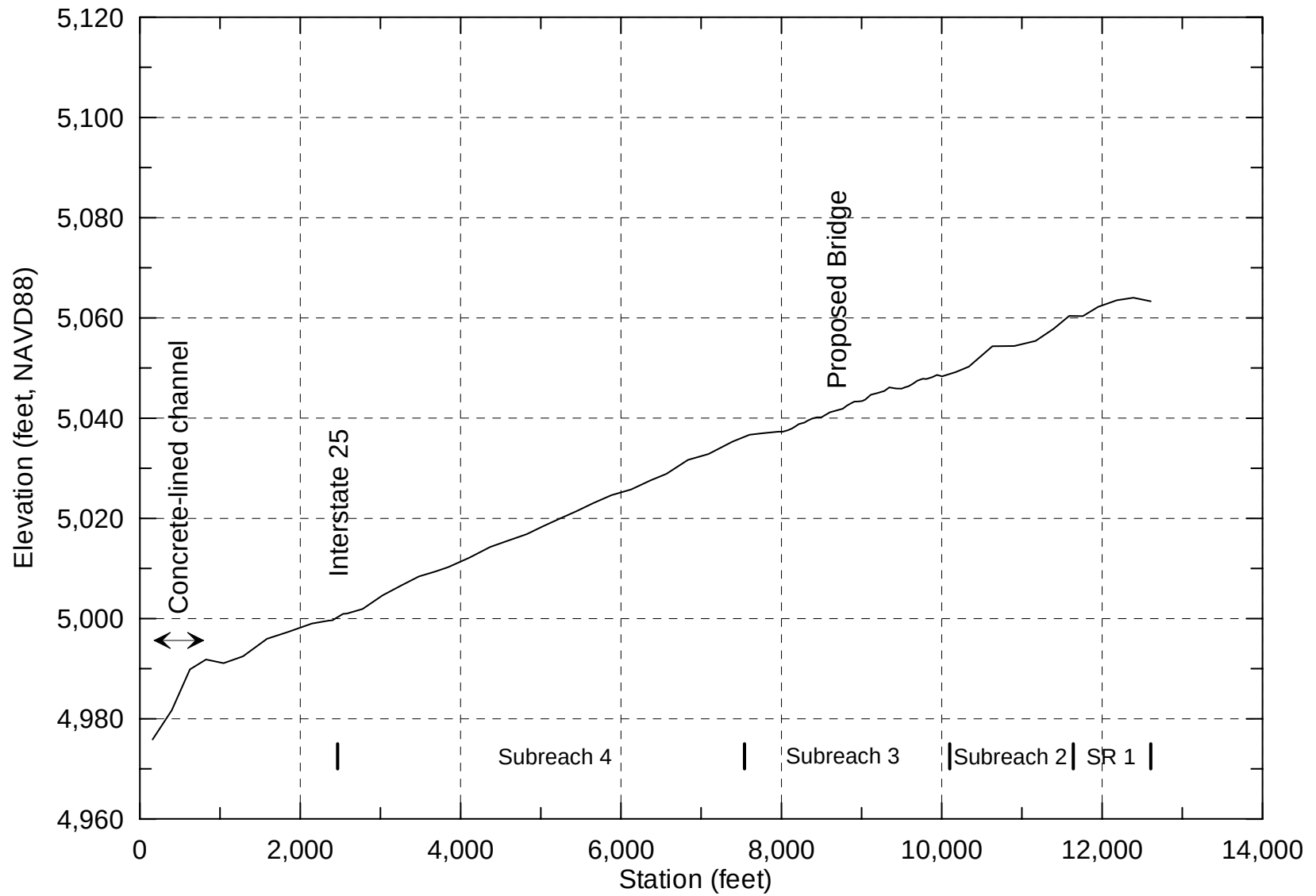


Figure 1.6. Existing bed profile of Tijeras Arroyo in the vicinity of the proposed bridge.

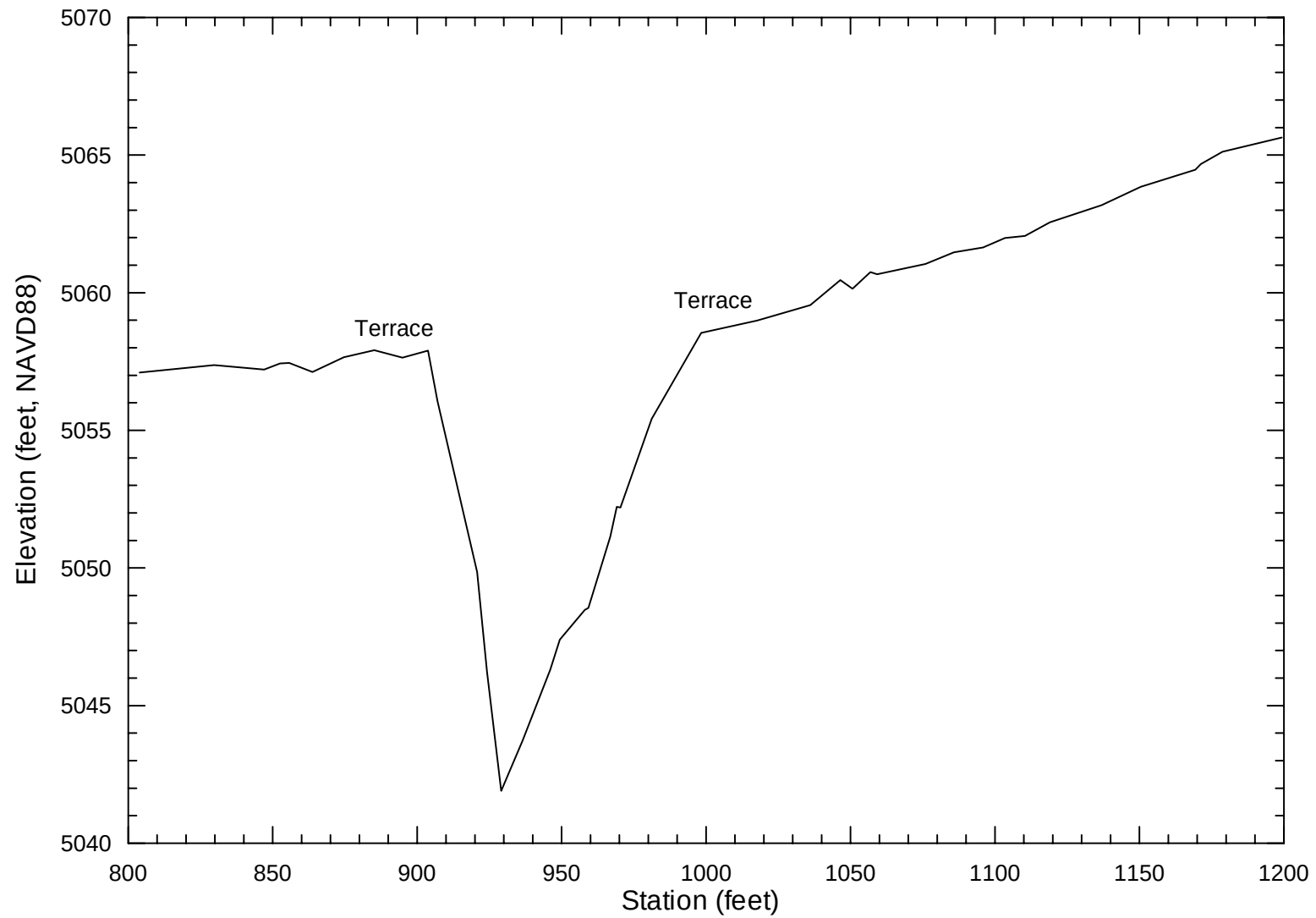


Figure 1.7. Cross section of Tijeras Arroyo at the proposed bridge showing the typical channel shape of the relatively straight, narrow channel within Subreach 3. The channel in this area appears to be in late Stage B or Stage C of the arroyo evolution model as presented in the *Design Guide*.

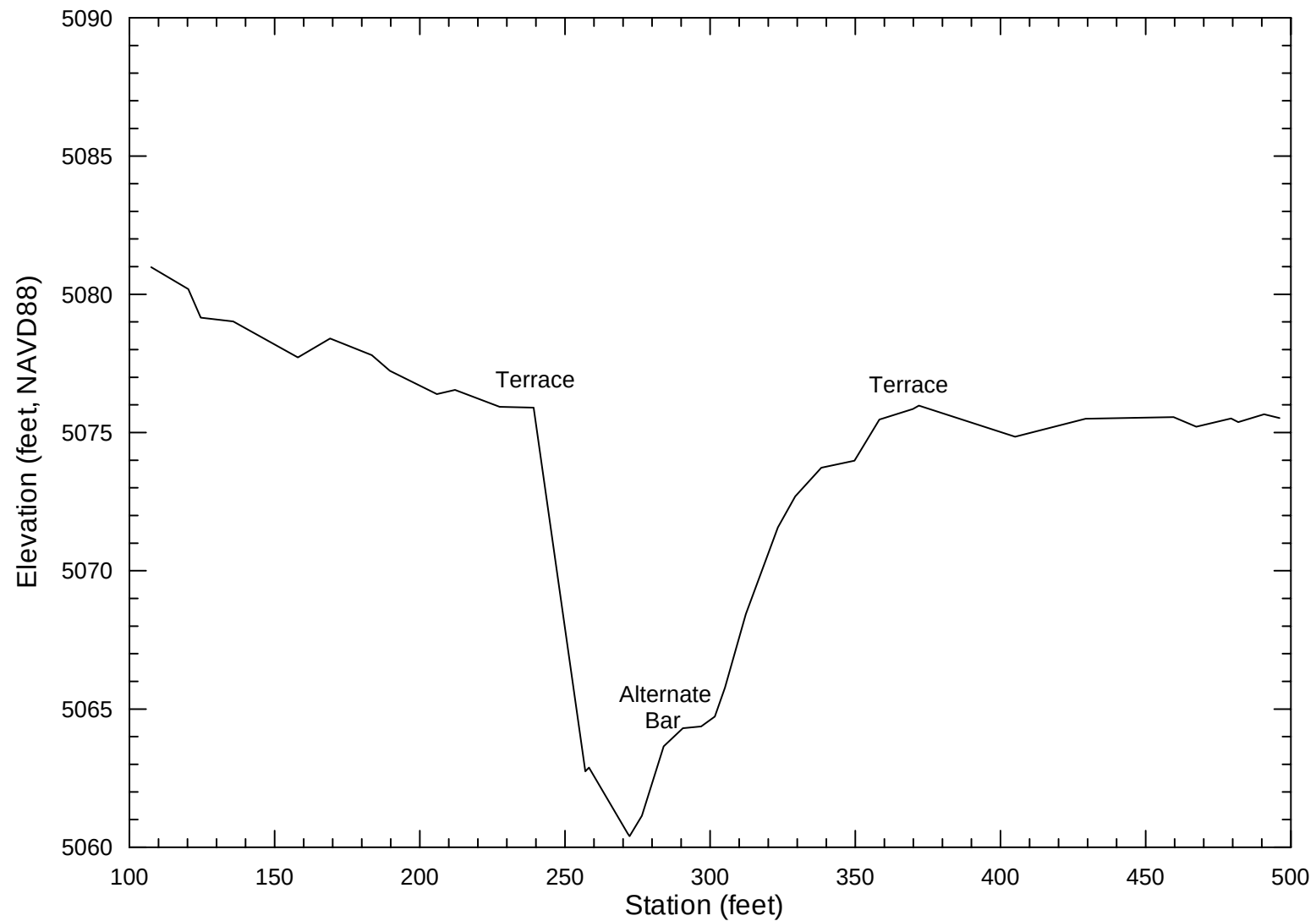


Figure 1.8. Cross section of Tijeras Arroyo located about 2,800 feet upstream of the proposed bridge showing the typical channel shape of the meandering channel within Subreach 2. The channel in this area appears to be in Stage D of the arroyo evolution model as presented in the *Design Guide*.

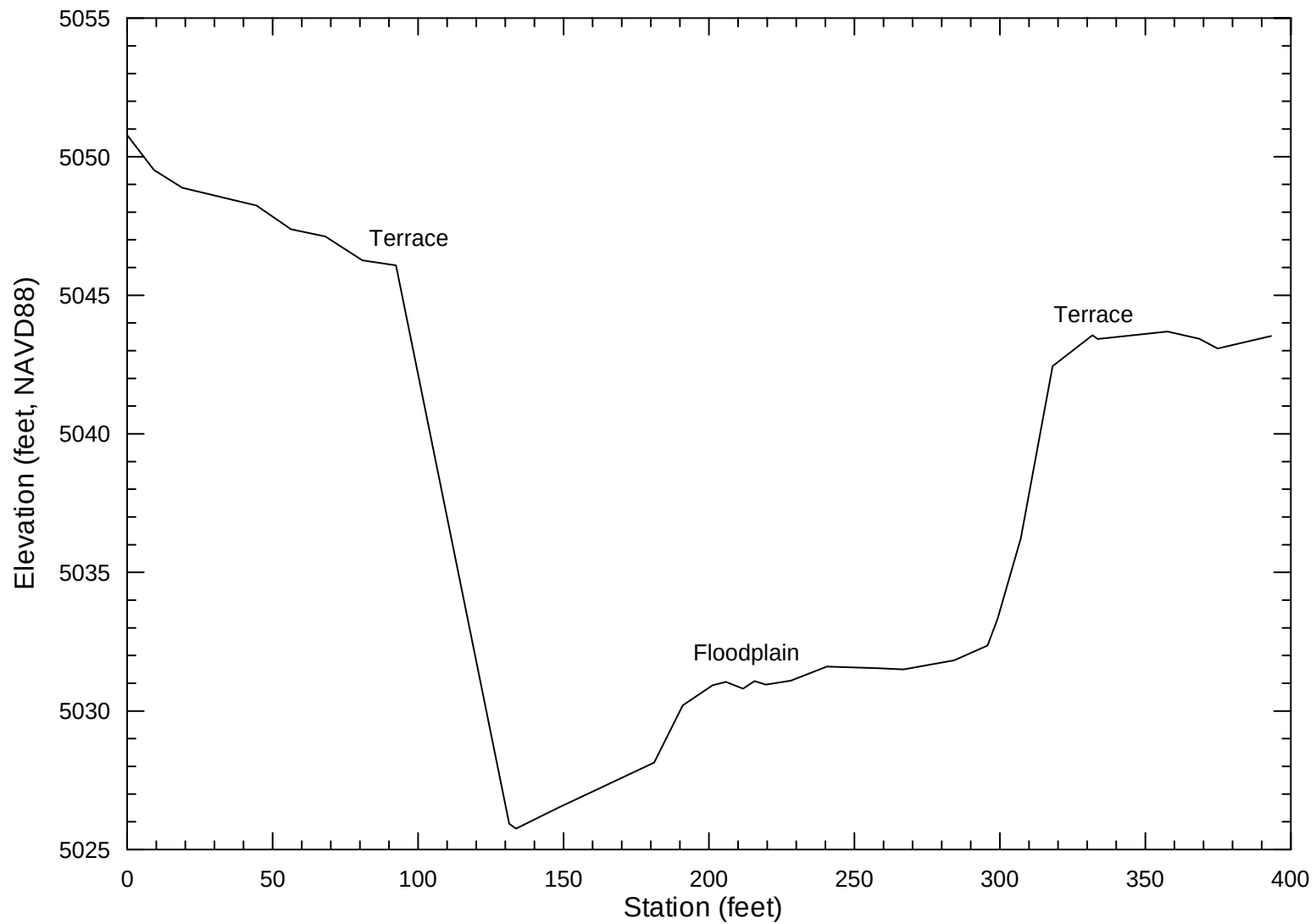


Figure 1.9. Cross section of Tijeras Arroyo located about 2,500 feet downstream of the proposed bridge showing the typical channel shape of the meandering channel within Subreach 4. The channel in this area appears to be in Stage E of the arroyo evolution model as presented in the *Design Guide*.

The stages of arroyo evolution as described by the arroyo evolution model generally follow one another sequentially through time at a given location following incision. The stages are thus usually found spatially distributed in order from upstream to downstream as the incision works its way upstream. The alternating sequence of narrow and wider, meandering reaches within the project area suggest that other factors may be present, such as the initial erosion upstream of the bridge location as noted in the historical aerial photographs and differences in the erosion resistance of the banks. The narrower reaches appear to occur closer to the valley margins, which may indicate a difference in erosion resistance of the banks. In any case, it is likely that the evolution of the channel through the narrower reaches will continue to stages D and E in the absence of bank protection or channelization, even if at a slower rate. Therefore, it is likely that the narrow channel through the proposed bridge crossing (Subreach 3) will widen in the future. This potential widening should be accounted for in the design.

Bed and bank sediment samples were collected at six locations along the arroyo extending from about 3,900 feet upstream to about 2,900 feet downstream of the proposed bridge (see Maps 1 and 2, Appendix A). Size gradations of the bed samples indicate that the material is primarily sand with small quantities of very fine to medium gravels and fines less than 0.075 mm (**Figure 1.10**). Excluding sample S-5, that is much finer and appears anomalous (possibly due to the sample being taken from a failed bank), the average median diameter (D_{50}) of the bed material samples is 0.47 mm. Although the bank samples also contained significant quantities of sand (**Figure 1.11**), they showed much greater variability and were in general much finer with greater percentages of silts and clays.

1.4. Description of Proposed Bridge Crossing

The proposed University Boulevard crossing of Tijeras Arroyo will consist of one 47.5-foot wide northbound bridge and one 51.5-foot southbound bridge separated by 41 feet (**Figures 1.12a and 1.12b**). Each bridge will consist of three 100-foot spans for a total length of 300 feet. The bridge deck will be constructed with AASHTO Type BT-63 girders and will be approximately 6.2 feet thick. Each bridge will contain two piers with 3.5-foot by 3-foot pier caps on 16-inch diameter pipe piles encased with 2-foot-thick concrete curtain walls. The piers will be aligned with the flow. The abutments will be spill-throughs with 3.6-foot by 3-foot concrete seats on 16-inch diameter pipe piles.

The arroyo under the bridge will be shaped into a concrete-lined compound channel with a total bottom width of 138 feet, a 20-foot wide low-flow channel, 2H:1V sideslopes, and a maximum depth of about 31 feet. (Note that these dimensions are measured perpendicular to the flow.) This geometry is significantly wider than the natural arroyo at this location (**Figure 1.13**), and is proposed to improve the conveyance capacity through the bridge, and will accommodate potential future widening of the arroyo in this area. The improved channel under the bridge opening will transition to the narrower natural arroyo about 530 feet upstream and about 275 feet downstream of the bridge. The transitions will be unlined to allow for future arroyo widening and channel alignment changes. Scour-protection measures, including bank protection and a guidebank on the south bank on the upstream side of the bridge will be incorporated into the design (see Chapter 5).

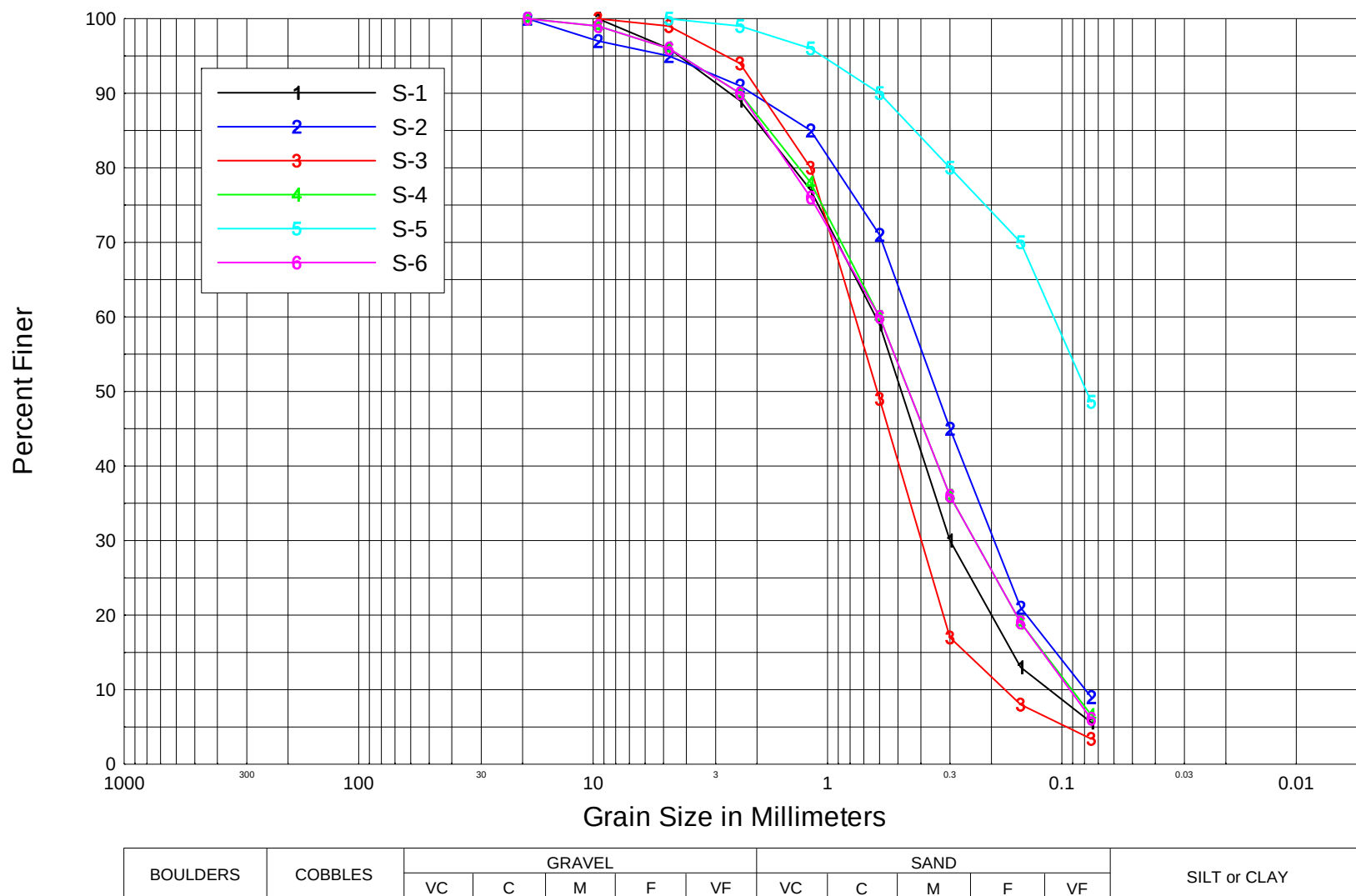


Figure 1.10. Size gradations of sediment samples collected from the bed of Tijeras Arroyo in the project reach (see Appendix A Maps 1 and 2 for sample locations).

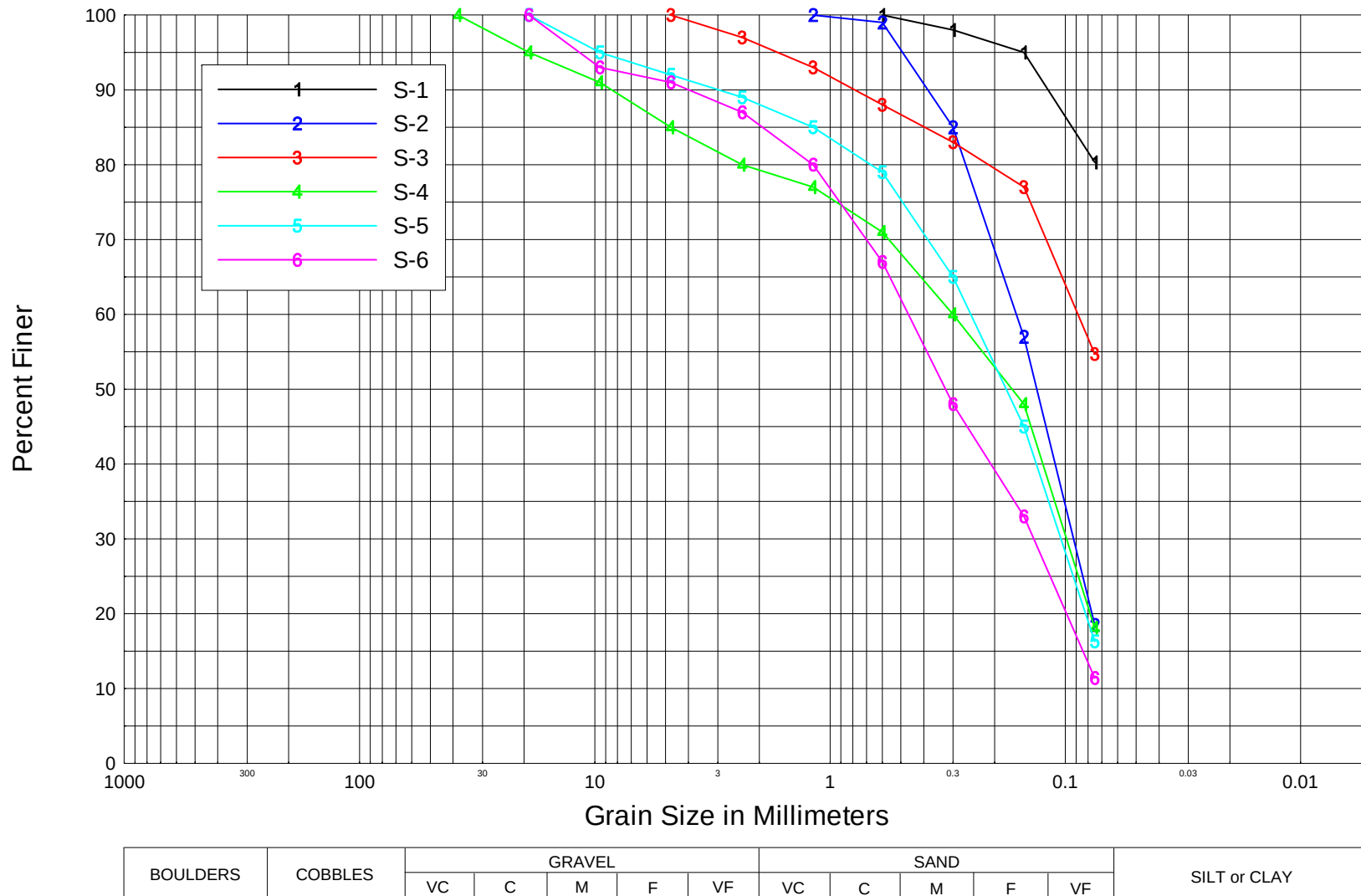


Figure 1.11. Size gradations of sediment samples collected from the banks of Tijeras Arroyo in the project reach (see Appendix A Maps 1 and 2 for sample locations).

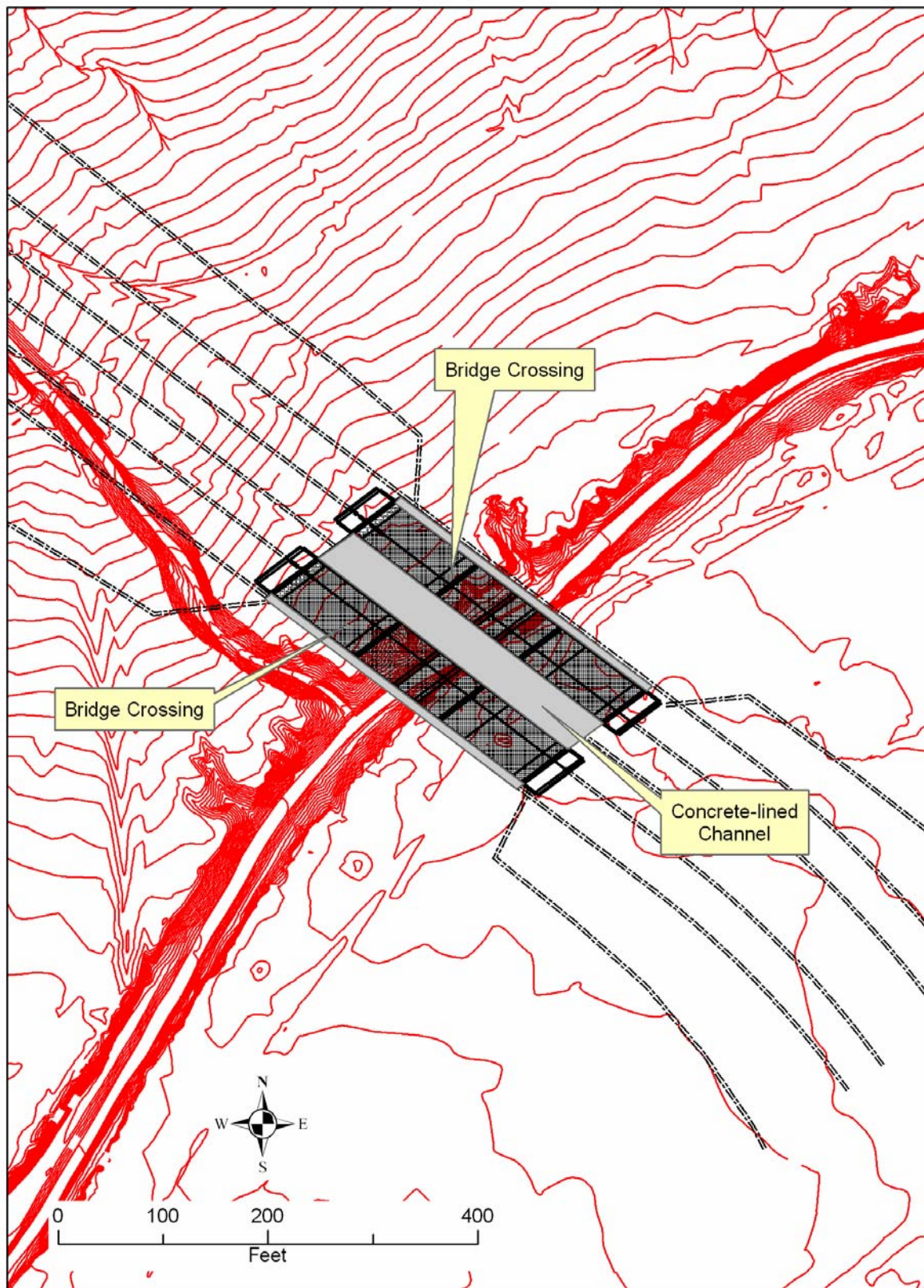


Figure 1.12a. Plan view of proposed University Boulevard bridge crossing of Tijeras Arroyo.

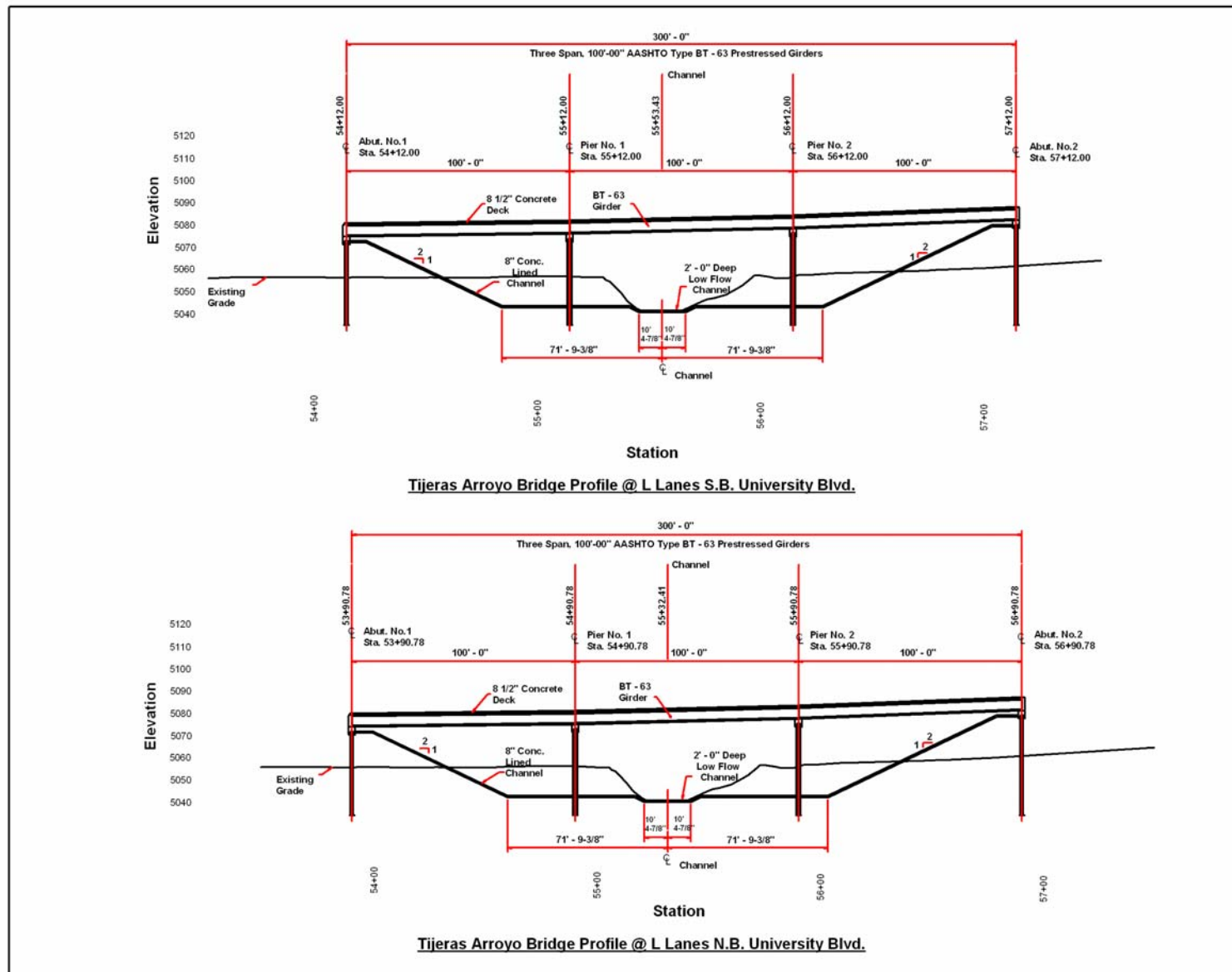


Figure 1.12b. Profile view of proposed University Boulevard bridge crossing of Tijeras Arroyo.

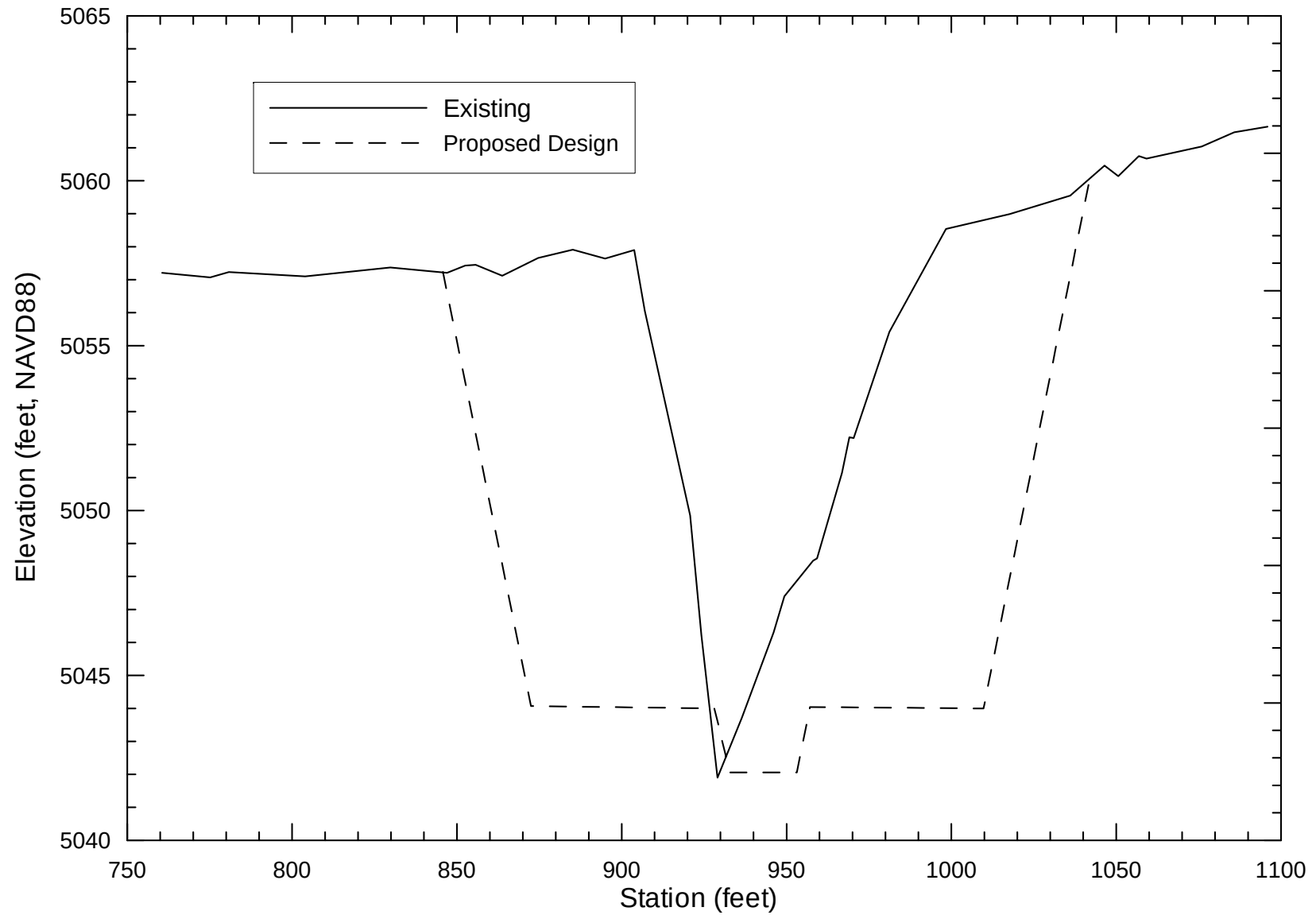


Figure 1.13. Proposed widening of Tijeras Arroyo at the proposed University Boulevard bridge crossing.

2. HYDROLOGY

To perform the hydraulic and sediment-transport analyses for this study, flood hydrographs are required for the 2-, 5-, 10-, 25-, 50-, and 100-year events. These hydrographs were taken from the HEC-1 models (USACE, 1990) developed for Tijeras Arroyo as part of the Drainage Master Plan (Leedshill-Herkenhoff, Inc., 1987, 1990). The Drainage Master Plan included hydrology for both existing and future development conditions, although existing conditions hydrographs were developed only for the 10-year, 100-year, and SPF events. Because future development in the watershed is not expected to be significant (a majority of the area lies within National Forest boundaries), differences in the peak flows between the two conditions are small. For example, the computed 10-year peak flow for the project reach is only about 9 percent greater under future development conditions and the 100-year peak flow is only about six percent greater. Because these differences are small and because all the necessary hydrographs are not available for existing conditions, hydrographs for future development conditions were used for this study.

Table 2.1 summarizes the peak flows for the 2-, 5-, 10-, 25-, 50-, and 100-year events. Flood hydrographs are shown in **Figure 2.1**. The adopted design discharge for the proposed bridge and protection measures is 37,000 cfs per Addendum 2 of the RFP for this project.

Table 2.1. Summary of peak discharges for the project reach of Tijeras Arroyo under future development conditions.	
Recurrence Interval (years)	Peak Discharge (cfs)
2	1,890
5	4,060
10	7,100
25	13,580
50	20,950
100	22,220

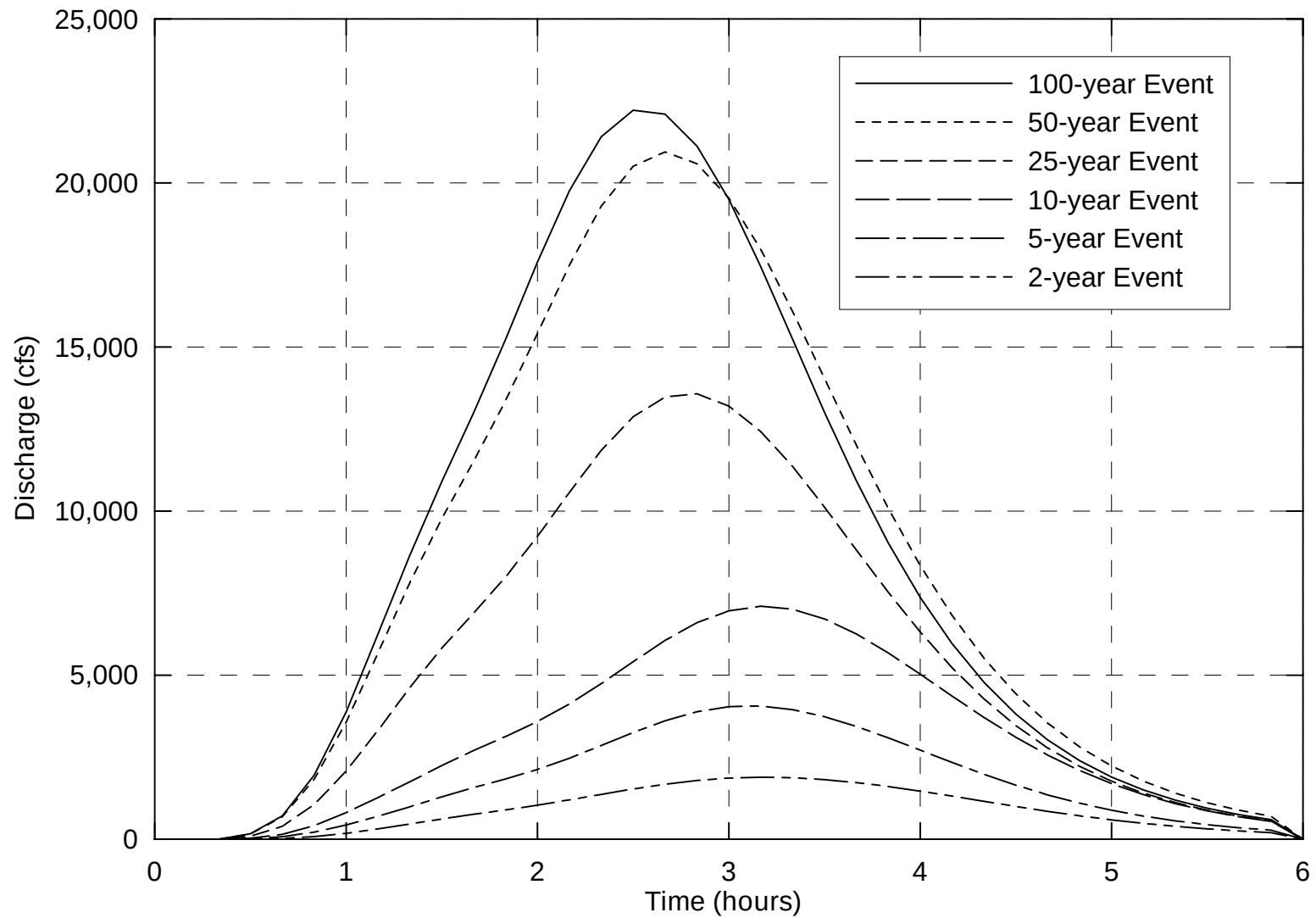


Figure 2.1. Flood hydrographs (2-, 5-, 10-, 25-, 50-, and 100-year events) for the project reach of Tijeras Arroyo under future development conditions.

3. HYDRAULIC ANALYSIS

3.1. Model Development

A hydraulic analysis of Tijeras Arroyo extending from a point about 3,800 feet upstream of the proposed bridge crossing to the upstream end of the concrete-lined channel located about 8,000 feet downstream of the crossing was performed using the Corps of Engineers HEC-RAS computer software (USACE, 2004). The purpose of the analysis was to estimate hydraulic conditions (e.g. velocity, depth, shear stress) within the project reach for a range of discharges, up through the design discharge of 37,000 cfs. The analysis was carried out for both existing conditions and project conditions with the proposed bridge in place to evaluate potential impacts of the proposed bridge on arroyo hydraulics.

An initial model extending about 1,200 feet upstream and about 700 feet downstream of the proposed crossing, including the proposed bridge design, was provided to MEI by BHI. MEI extended this model upstream to evaluate hydraulic conditions in the arroyo upstream of the bridge for purposes of the sediment-transport analysis (see Chapter 4). The model was extended downstream to the concrete-lined channel to evaluate potential degradation below the proposed lined channel and bridge crossing. In the course of the analysis, the initial design of the arroyo geometry in the vicinity of the bridge opening was modified to accommodate potential future changes to the arroyo and to protect the bridge from local scour (see Chapter 5). The model results of project conditions presented in this section reflect the final design configuration.

Cross-section data for the original BHI model and the modifications developed by MEI (model extensions and existing conditions cross sections at the proposed bridge crossing) were taken from the recent 2-foot contour interval mapping of the area developed by BHI and others for Bernalillo Co. and the Corps of Engineers. The new cross sections added by MEI in the vicinity of the University Boulevard bridge were cut from the newly developed 1-foot contour interval mapping obtained from BHI in digital terrain model (DTM) format using Bentley Systems InRoads Site Version 8.04 in conjunction with MicroStation Version 8.1. All elevations are based on the North American Vertical Datum of 1988 (NAVD88). Encroachments were added to the model at a few locations throughout the study reach to eliminate ineffective flow areas. Bank stations were established using topographic breaks identified on the cross sections and were chosen to represent the edge of the active arroyo along the project reach. Starting water-surface elevations were established using normal depth with the energy slope estimated from the local bed slope. Bridges were modeled using the bridge routines in the HEC-RAS software with both energy and momentum losses being considered. The layout of the hydraulic model, including project conditions cross sections, a station line representing the centerline of the channel, and bridge locations is shown on the maps provided in Appendix A. The location and layout of cross sections in the vicinity of the proposed bridge were slightly different under existing conditions.

A Manning's n roughness coefficient of 0.035 was used for the main channel of the unlined portion of the arroyo. This value is based on a base n value of 0.022 for upper regime flow plus appropriate adjustments to account for the presence of obstructions, vegetation along the banks, and nonlinearity and nonuniformity of the channel. A main-channel n value of 0.018 was used for the proposed lined channel through the bridge opening and the upper end of the concrete-lined channel at the downstream end of the modeled reach. A Manning's n value of 0.042 was used for the overbanks in areas with no bank protection, which reflects the effects of the generally sparse vegetation along the arroyo. Where riprap bank protection is planned under project conditions, the overbank n values were set equal to 0.045.

The HEC-RAS model was initially run in mixed flow-regime mode, which indicated that the study reach is at or near critical flow conditions and that supercritical flow is possible in short reaches. Due to the interaction of the water, sediment, and other boundary roughness elements, there is considerable doubt that supercritical flow conditions can be sustained, except over very short distances and very short time frames (Trieste, 1992). Therefore, for the purposes of the sediment-transport analyses presented in this report, the model was run in subcritical mode with the program defaulting to critical depth at locations that would indicate potential supercritical flow based on the rigid boundary calculations.

3.2. Hydraulic Results

Figure 3.1 shows thalweg (minimum bed elevation) and computed 1,000 cfs, 10-year (7,100 cfs) and design event (37,000 cfs) water-surface profiles for both existing and project conditions along the project reach. The HEC-RAS summary output table is included in **Appendix C**. The profiles show that for the lower discharges the proposed wider channel through the bridge reduces water-surface elevations, but at the highest discharges, the contraction of flow through the bridge opening primarily results in increased water-surface elevations and upstream backwater. The maximum increase in computed water-surface elevation for the design event compared to the existing conditions profile is approximately 3.6 feet. A decrease in water surface elevation occurs at all discharges less than 37,000 cfs (water surface elevations for the design event are within 0.7 feet of the existing condition) at approximately 375 feet upstream of the bridge as the flow reaches critical depth through the upstream transition.

Figure 3.2 shows computed main-channel velocity profiles under existing conditions for selected discharges up through the design event (37,000 cfs). Computed velocities upstream of Interstate 25 range from 1.1 to 6.6 fps at 100 cfs, from 2.5 to 10.8 fps at 1,000 cfs, from 4.0 to 18.1 fps for the 10-yr event (7,100 cfs), from 5.0 to 19.2 fps for the 100-yr event (22,220 cfs) and from 5.4 to 20.4 for the design event (37,000 cfs). The distribution of velocity is relatively uniform through the project reach upstream of Interstate 25. Changes in main-channel velocities under project conditions are plotted for selected discharges in **Figure 3.3**. The plot shows that there is a significant decrease in velocity locally through the proposed bridge, the result of the enlarged channel through this area (see Figure 1.13). Increases at the upstream end of the improved channel are primarily the result of flows reaching critical depth through the transition. The increases are also the result of reduced backwater at lower flows and the contraction of flow into the bridge opening at higher flows. Decreases in velocity upstream of the improved channel for the highest flows are the result of increased backwater from downstream. Slight increases in main-channel velocity just downstream of the improved channel are due to the contraction of flow that occurs as the channel transitions to the more narrow natural width.

To facilitate the sediment-transport analysis the project reach was subdivided into six computational subreaches based on similarity of geomorphic and hydraulic characteristics and the locations of significant structures (see Maps 1 and 2, Appendix A). The reach breakdown follows that presented in Section 1.3 with Subreach 3 subdivided into three subreaches to account for the changed hydraulic conditions associated with the proposed design. Subreach 3.1 represents the undisturbed narrow channel upstream of the proposed improved channel and includes the effects of backwater from the bridge and contraction of flow into the bridge. Subreach 3.2 represents the improved channel through the bridge. Subreach 3.3 represents the undisturbed narrow channel downstream of the bridge and includes the effects of flow expansion out of the bridge.

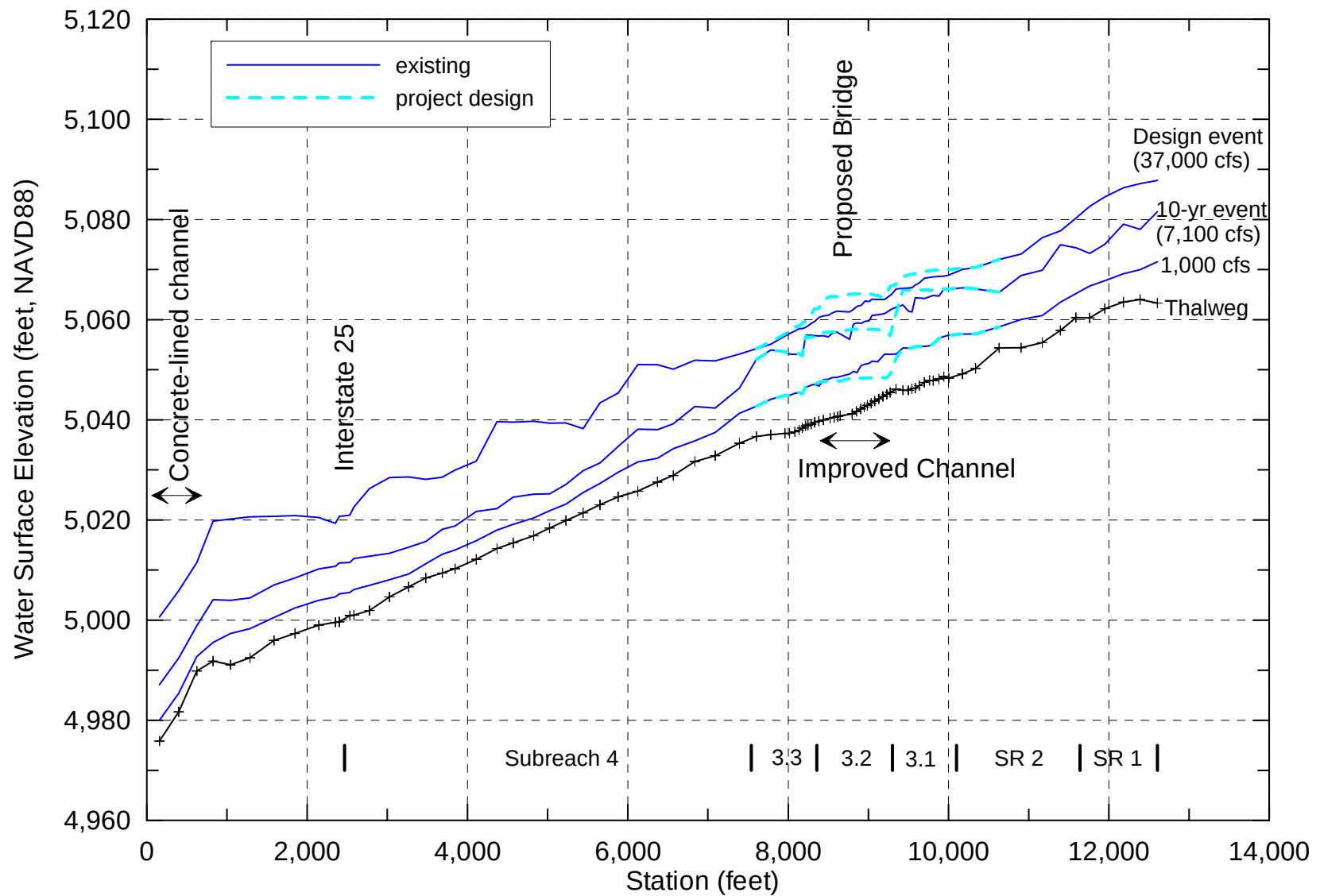


Figure 3.1. Channel bed and computed 1,000 cfs, 10-year (7,100 cfs) and design flow (37,000 cfs) water-surface profiles for existing and project conditions.

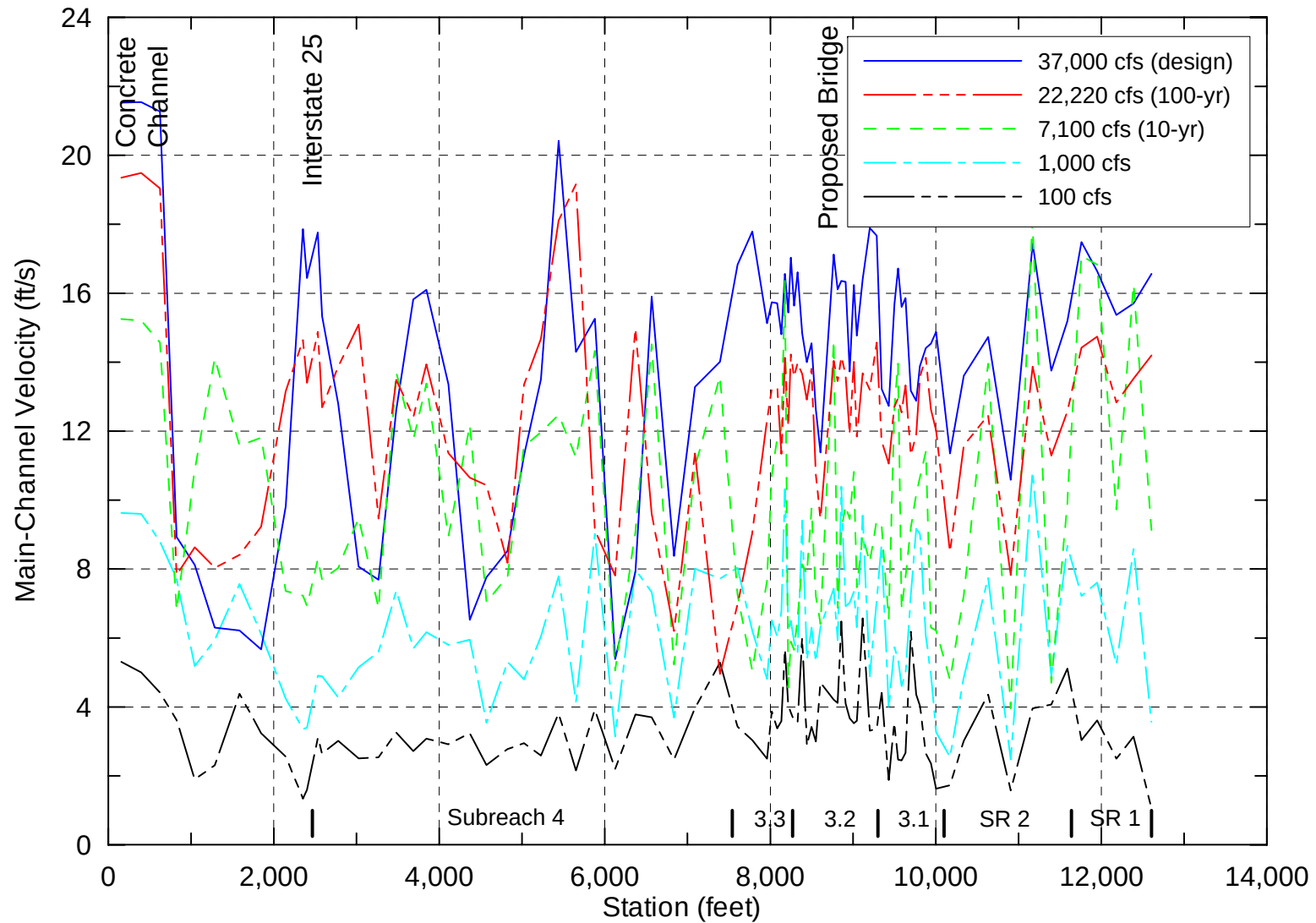


Figure 3.2. Computed existing conditions main-channel velocity profiles for selected discharges up through the design flow (37,000 cfs).

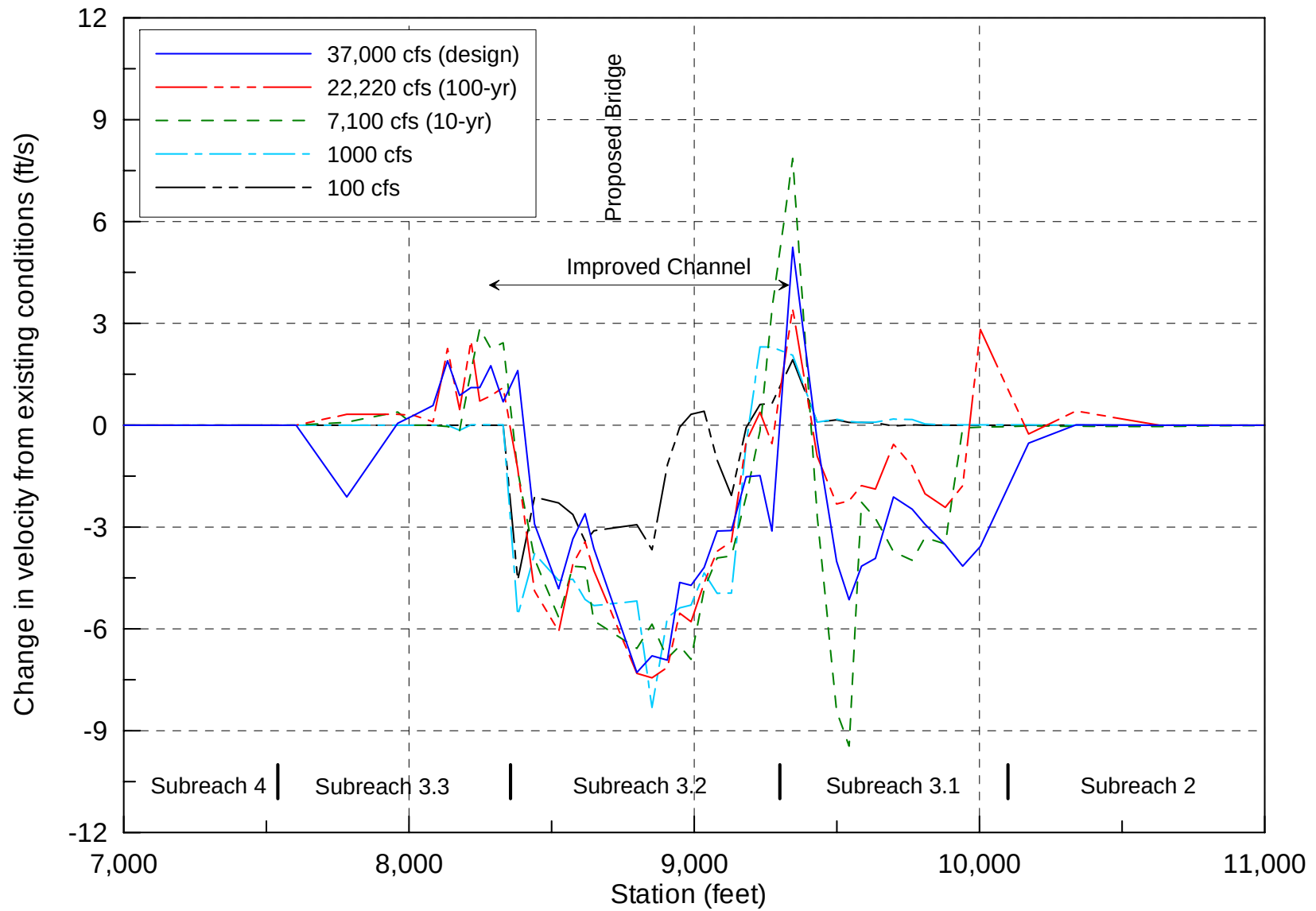


Figure 3.3. Computed changes in main-channel velocities under design conditions compared to existing conditions for selected discharges up through the design flow (37,000 cfs).

Average values of main-channel velocity, hydraulic depth, effective width, and energy slope were computed for each subreach for a range of discharges up through the 100-year flood peak (22,200 cfs), the highest flow considered in the sediment-continuity calculations (see Chapter 4). Cross sections at the bridges and other local controls were not included in the computed averages. The results for existing conditions are summarized in **Table 3.1**. Average values of main-channel velocity range from 2.2 fps in Subreach 1 to 3.5 fps in Subreach 3.2 at 50 cfs and from 11.2 fps in Subreach 2 to 13.9 fps in Subreach 1 at the 100-year flood peak (22,220 cfs). There are no significant trends along the study reach. Average values of hydraulic depth range from 0.6 feet in Subreach 4 to 1.2 feet in Subreach 3.3 at 50 cfs and from 13.0 feet in Subreach 4 to 18.9 feet in Subreach 1 at the 100-year peak. The higher depths generally occur in the narrower subreaches (Subreaches 1 and 3.1 through 3.3). Average effective widths range from 13 feet in Subreach 3.2 to 32 feet in Subreach 4 at 50 cfs and from 44 feet in Subreach 1 to 96 feet in Subreach 4 at the 100-year peak. Subreaches 1 and 3.1 through 3.3 are the narrowest, having a relatively narrow, straight planform. Subreaches 2 and 4 are relatively wide and correspond to the segments of the arroyo that have a wider, meandering planform. Average energy slopes range from 0.0024 in Subreach 1 to 0.0068 in Subreach 4 at 50 cfs and from 0.0019 in Subreach 2 to 0.0031 in Subreach 3.2 at the 100-year peak.

Table 3.2 summarizes the subreach-averaged hydraulic results under project conditions. Bold numbers in the table indicate changes from existing conditions with the direction of change indicated by a (+) for an increase and a (-) for a decrease. The largest changes occur in Subreach 3.2, the improved (widened) channel through the bridge opening. At 50 cfs the average main-channel velocity decreases from 3.5 to 2.5 fps, the average hydraulic depth decreases from 1.1 to 0.8 feet, the effective width increases from 13 to 25 feet, and the energy slope decreases from 0.0058 to 0.0047. At the 100-year flood peak, the average main-channel velocity decreases from 13.1 to 8.9 fps, the average hydraulic depth increases from 13.1 to 14.4 feet, the average effective width increases from 55 to 168 feet, and the average energy slope decreases from 0.0031 to 0.0014. Changes in Subreach 3.1 and to a lesser extent Subreach 2 at the highest flows are due to changed backwater conditions from downstream and the effects of the flow contraction into the bridge opening. At the lower discharges, the improved channel through the bridge opening results in less upstream backwater and at the highest flood flows the structure and contraction of flow through the bridge opening results in more backwater. In Subreach 3.1 at 100 cfs, the average main-channel velocity increases from 3.2 to 3.4 fps, the average hydraulic depth decreases from 1.5 to 1.4 feet, the average effective width remains unchanged at 21 feet, and the average energy slope increases from 0.0034 to 0.0040. At the 100-year flood peak, the average main-channel velocity decreases from 12.5 to 11.6 fps, the average hydraulic depth increases from 14.4 to 15.1 feet, the average effective width remains unchanged at 49 feet, and the average energy slope decreases from 0.0025 to 0.0020. The minor changes in Subreach 3.3 downstream of the bridge are the result of flow expansion out of the bridge during flood flows. For the 100-year event the average main-channel velocity increases from 11.9 to 13.0 fps, the average hydraulic depth increases from 13.8 to 14.3 feet, the average effective width remains unchanged at 54 feet, and the average energy slope increases from 0.0023 to 0.0027.

Table 3.1. Summary of subreach-averaged hydraulic conditions for the project reach of Tijeras Arroyo under existing conditions.

Subreach	Discharge (cfs)										
	50	100	200	500	1,000	1,890	4,060	7,100	13,580	20,950	22,220
						(2-year)	(5-year)	(10-year)	(25-year)	(50-year)	(100-year)
Main-Channel Velocity (ft/s)											
1	2.2	2.7	3.3	4.8	6.4	8.4	11.5	13.8	8.3	13.5	13.9
2	2.8	3.4	4.1	5.3	6.0	6.6	7.5	9.0	9.4	11.1	11.2
3.1	2.6	3.2	3.9	5.0	6.1	7.3	9.0	9.2	10.9	12.4	12.5
3.2	3.5	4.1	4.8	5.9	6.9	8.1	9.9	8.6	11.2	12.8	13.1
3.3	3.1	3.7	4.4	5.6	6.8	8.3	10.4	9.0	10.8	12.8	11.9
4	2.5	3.1	3.8	4.9	5.9	7.1	8.9	10.4	12.3	12.7	11.8
Hydraulic Depth (feet)											
1	1.1	1.5	2.0	2.9	4.0	5.4	8.1	11.4	18.9	18.8	18.9
2	0.8	1.0	1.3	1.8	2.3	3.5	6.2	8.2	13.2	14.7	14.9
3.1	1.1	1.5	2.0	3.0	4.2	5.8	8.9	11.6	13.4	14.2	14.4
3.2	1.1	1.5	1.9	2.8	3.8	5.0	7.6	10.4	11.9	12.9	13.1
3.3	1.2	1.5	2.0	2.7	3.4	4.6	7.3	10.4	12.7	13.4	13.8
4	0.6	0.8	1.1	1.5	2.1	2.9	4.8	6.9	9.9	12.0	13.0
Effective Width (feet)											
1	22	25	30	35	39	42	44	44	44	44	44
2	23	28	37	51	73	81	85	87	87	87	87
3.1	17	21	25	33	39	44	49	49	49	49	49
3.2	13	17	22	30	39	47	53	55	55	55	55
3.3	14	18	23	33	43	50	53	54	54	54	54
4	32	39	47	67	82	90	93	94	95	96	96
Energy Slope (ft/ft)											
1	0.0024	0.0023	0.0024	0.0030	0.0037	0.0041	0.0045	0.0041	0.0007	0.0020	0.0021
2	0.0060	0.0060	0.0065	0.0070	0.0066	0.0046	0.0027	0.0027	0.0016	0.0019	0.0019
3.1	0.0033	0.0034	0.0033	0.0032	0.0030	0.0028	0.0024	0.0018	0.0021	0.0025	0.0025
3.2	0.0058	0.0057	0.0054	0.0049	0.0045	0.0042	0.0036	0.0018	0.0025	0.0030	0.0031
3.3	0.0044	0.0043	0.0043	0.0045	0.0050	0.0050	0.0042	0.0020	0.0022	0.0028	0.0023
4	0.0068	0.0070	0.0071	0.0073	0.0074	0.0066	0.0054	0.0046	0.0039	0.0032	0.0025

Table 3.2. Summary of subreach-averaged hydraulic conditions for the project reach of Tijeras Arroyo under project conditions.											
Subreach	Discharge (cfs)										
	50	100	200	500	1,000	1,890 (2-year)	4,060 (5-year)	7,100 (10-year)	13,580 (25-year)	20,950 (50-year)	22,220 (100-year)
Main-Channel Velocity (ft/s)											
1	2.2	2.7	3.3	4.8	6.4	8.4	11.5	13.8	8.3	13.5	13.9
2	2.8	3.4	4.1	5.3	6.0	6.6	7.5	8.9 (-)	9.3 (-)	11.0 (-)	11.2
3.1	2.8 (+)	3.4 (+)	4.2 (+)	5.3 (+)	6.3 (+)	7.5 (+)	9.0	6.6 (-)	10.6 (-)	11.5 (-)	11.6 (-)
3.2	2.5 (-)	2.8 (-)	2.3 (-)	2.9 (-)	3.1 (-)	3.4 (-)	4.1 (-)	4.8 (-)	7.2 (-)	8.6 (-)	8.9 (-)
3.3	3.1	3.7	4.4	5.5 (-)	6.6 (-)	8.1 (-)	10.1 (-)	9.4 (+)	11.6 (+)	13.6 (+)	13.0 (+)
4	2.5	3.1	3.8	4.9	5.9	7.1	8.9	10.4	12.3	12.7	11.8
Hydraulic Depth (feet)											
1	1.1	1.5	2.0	2.9	4.0	5.4	8.1	11.4	18.9	18.8	18.9
2	0.8	1.0	1.3	1.8	2.3	3.5	6.2	8.2	13.2	14.7	14.8 (-)
3.1	1.1	1.4 (-)	1.9 (-)	2.9 (-)	4.1 (-)	5.8	9.0 (+)	12.4 (+)	13.7 (+)	14.9 (+)	15.1 (+)
3.2	0.8 (-)	0.7 (-)	0.8 (-)	1.6 (-)	2.7 (-)	4.3 (-)	7.0 (-)	9.6 (-)	11.4 (-)	14.1 (+)	14.4 (+)
3.3	1.2	1.5	2.0	2.8 (+)	3.5 (+)	4.7 (+)	7.5 (+)	10.5 (+)	12.7	14.1 (+)	14.3 (+)
4	0.6	0.8	1.1	1.5	2.1	2.9	4.8	6.9	9.9	12.0	13.0
Effective Width (feet)											
1	22	25	30	35	39	42	44	44	44	44	44
2	23	28	37	51	73	81	85	87	87	87	87
3.1	17	21	25	32 (-)	38 (-)	44	49	49	49	49	49
3.2	25 (+)	52 (+)	106 (+)	111 (+)	118 (+)	127 (+)	143 (+)	155 (+)	163 (+)	168 (+)	168 (+)
3.3	14	18	23	33	43	50	53	54	54	54	54
4	32	39	47	67	82	90	93	94	95	96	96
Energy Slope (ft/ft)											
1	0.0024	0.0023	0.0024	0.0030	0.0037	0.0041	0.0045	0.0041	0.0007	0.0020	0.0021
2	0.0060	0.0060	0.0065	0.0070	0.0066	0.0046	0.0027	0.0027	0.0015 (-)	0.0019	0.0019
3.1	0.0039 (+)	0.0040 (+)	0.0040 (+)	0.0037 (+)	0.0034 (+)	0.0030 (+)	0.0024	0.0008 (-)	0.0019 (-)	0.0020 (-)	0.0020 (-)
3.2	0.0047 (-)	0.0080 (+)	0.0043 (-)	0.0027 (-)	0.0016 (-)	0.0010 (-)	0.0008 (-)	0.0007 (-)	0.0013 (-)	0.0014 (-)	0.0014 (-)
3.3	0.0044	0.0043	0.0042 (-)	0.0042 (-)	0.0045 (-)	0.0045 (-)	0.0038 (-)	0.0021 (+)	0.0025 (+)	0.0030 (+)	0.0027 (+)
4	0.0068	0.0070	0.0071	0.0073	0.0074	0.0066	0.0054	0.0046	0.0039	0.0032	0.0025

Note: Bold numbers indicate change from existing conditions with the direction of change indicated by a (+) for an increase and a (-) for a decrease.

4. SEDIMENT-TRANSPORT ANALYSIS

Based on the results of the hydraulic analysis, a sediment-transport analysis was carried out to evaluate the vertical stability of the project reach under existing conditions and project conditions with the proposed bridge in place. The analysis consisted of a sediment-continuity analysis to evaluate the aggradation/degradation potential of each subreach defined in the hydraulic analysis (Section 3.2 and Appendix A, Maps 1 and 2) and an equilibrium slope analysis under project conditions to estimate ultimate channel gradients and maximum potential degradation depths at the proposed bridge crossing. A local scour analysis to evaluate potential scour depths adjacent to proposed bridge protection measures is discussed in Chapter 5.

4.1. Representative Bed-Material Gradation

A representative bed-material sediment gradation for use in the sediment-continuity analysis was developed by averaging Samples S-1 through S-4 and S-6 collected along the arroyo for this project (**Figure 4.1**). Sample S-5 was not included, as it contains much finer material not representative of typical conditions along the arroyo. Fines (material less than 0.075 mm) were removed from the representative gradation for use in the bed-material sediment-transport calculations. The median diameter (D_{50}) of the representative gradation is 0.5 mm.

4.2. Sediment-Continuity Analysis

The sediment-continuity analysis was performed by comparing the bed-material transport capacity for each subreach with the total bed-material sediment supply. If the bed-material transport capacity in a particular subreach for a given storm exceeds the supply, degradation is indicated; if the supply exceeds the capacity, aggradation is indicated. The total supply to a given subreach includes the supply from the upstream channel and any tributaries along the subreach. The only significant tributary along the project reach is the right-bank arroyo located just downstream of the proposed bridge. Because the drainage area for this tributary is very small compared to the main arroyo, sediment supply from the tributary was ignored in the sediment-transport calculations. After careful evaluation of the computed hydraulic conditions within each of the subreaches, and consideration of the stages of arroyo evolution as discussed in Section 1.3, the supply to the project reach was estimated using the transport capacity of Subreach 4, considered to be the most representative of long-term equilibrium conditions. Subreach 4 appears to be in Stage E of the five-stage arroyo evolution model, and should therefore be approximately adjusted to the imposed water and sediment supply. The sensitivity of the results to the sediment supply was evaluated by repeating the analysis assuming the supply increases by 50 percent and decreases by 50 percent.

The bed-material transport capacity for each subreach was determined by first developing a bed-material sediment-rating curve (i.e., the relationship between bed-material transport capacity and discharge) using the reach-averaged hydraulics predicted by the HEC-RAS model discussed in the previous chapter, the representative bed-material sediment gradation shown in Figure 4.1, and the MPM-Woo sediment-transport relationship, as presented in the *Design Guide*. While there are numerous relationships that have been developed over the past 50 to 75 years for predicting bed-material sediment-transport rates (see e.g., Gerbrandt, 1986), the MPM-Woo relationship used here was developed specifically for the steep sand-bed conditions typical of the arroyos in the Albuquerque area and is believed to be the most suitable for this analysis. The transport capacity (potential volume of material transported) was determined for

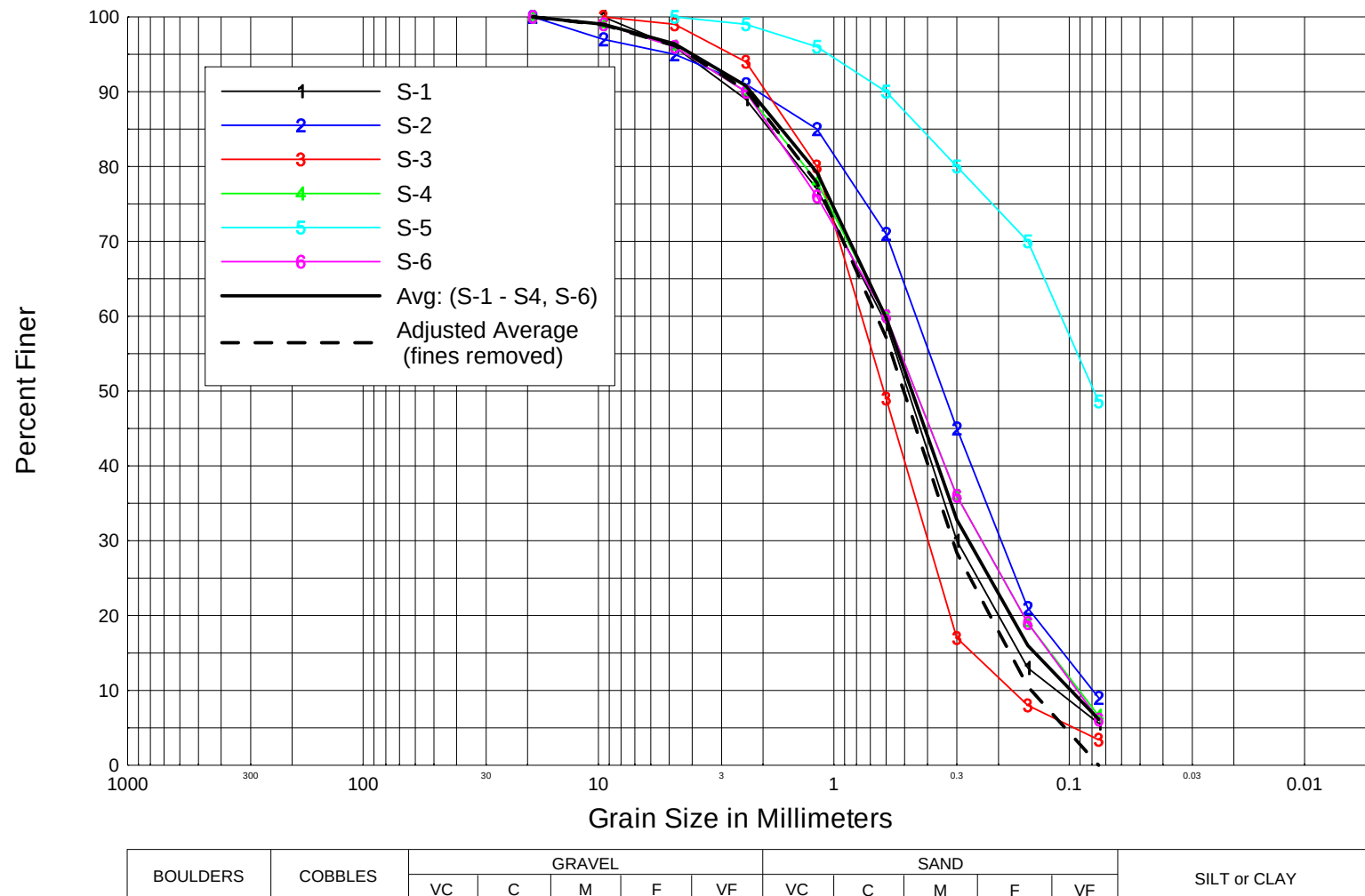


Figure 4.1. Size gradations of sediment samples collected from the bed of Tijeras Arroyo in the project reach and the representative average gradation used in the sediment-transport analysis (see Appendix A Maps 1 and 2 for sample locations).

each subreach by integrating the bed-material sediment-rating curve over the hydrograph for the flood of interest (Figure 2.1).

Bed-material sediment-transport rates predicted by the MPM-Woo sediment-transport relationship depend on the fine sediment concentration. An average fine sediment concentration for Tijeras Arroyo was estimated from previous fine sediment yield analyses performed for Albuquerque arroyos draining to the North Diversion Channel (Resource Consultants & Engineers, Inc., 1993). The estimated average annual fine sediment yield for the North Diversion Channel watersheds was about 0.12 tons per acre. Applying this value to Tijeras Arroyo with an average annual runoff volume of 700 acre-feet from the HEC-1 model (Tijeras Arroyo at Coyote Canyon) and a corresponding drainage area of 121 square miles results in an average concentration of about 10,000 ppm. This value was used to compute the bed-material sediment-transport rates using the MPM-Woo sediment-transport relationship.

Table 4.1 summarizes the results of the sediment-continuity analysis for the 2-, 5-, 10-, 25-, 50- and 100-year events under existing conditions. The table also includes the average annual continuity results obtained by integrating the transport capacity volumes for each storm event over the flood frequency curve using Equation 1.1 from the *Design Guide*:

$$Y_m = 0.15Y_{100} + 0.15Y_{50} + 0.04Y_{25} + 0.08Y_{10} + 0.2Y_5 + 0.4Y_2 \quad (4.1)$$

where Y_m is the magnitude of the average annual event and Y_i is the magnitude of the event for the 2-, 5-, 10-, 25-, 50-, and 100-year storm. The results in Table 4.1 show that for the assumed sediment supply, which is equal to the transport capacity of Subreach 4, there is a general aggradational trend throughout the project reach upstream of Subreach 4, with the greatest aggradation in Subreach 3.1. The computed aggradation is consistent with the five-stage arroyo evolution model, which would indicate a slight aggradational tendency for Stages C and D, the conditions of arroyo in much of this area (see Section 1.3). The computed aggradation is due in part to the narrower channel, which forces more flow into the overbanks at higher discharges. If the assumed sediment supply is decreased by 50 percent (which could result from a significant change in land use upstream), all the subreaches (except for subreach 3.1) are degradational for the 2- and 5-year events. At higher magnitude events, Subreaches 2 and 3.1 become aggradational, while the remaining subreaches continue to show degradational trends. If the assumed supply is increased by 50 percent, the entire project reach becomes significantly aggradational.

Table 4.2 summarizes the results of the sediment-continuity analysis under project conditions. The results show that the transport capacity of Subreach 3.2 decreases significantly, the result of the improved wider channel through the bridge opening (see Figure 1.13). This subreach becomes significantly aggradational under all assumed sediment supply conditions. The transport capacity of Subreach 3.1 just upstream increases for the 2- and 5-year events, the result of the reduced backwater from downstream. For the higher events the transport capacity of Subreach 3.1 is lower due to the increased backwater from downstream; the net result is very little change from existing conditions in terms of the aggradation/degradation potential in this area. Subreach 2 shows only very small changes in computed transport capacities due to the changed backwater conditions from downstream, with no significant change in aggradation/degradation potential. Subreach 3.3 downstream of the bridge shows small increases in transport capacity for the larger events, the result of more confined flow as it leaves the bridge upstream. The net result is very little change in the aggradation/degradation potential.

Table 4.1. Summary of sediment-continuity results under existing conditions.							
Subreach	2-year	5-year	10-year	25-year	50-year	100-year	Average Annual
Bed Material Transport Capacity (yd³, bulked)							
1	69,400	263,100	621,000	497,000	712,000	779,600	172,300
2	65,700	118,200	231,800	361,300	596,500	620,400	101,200
3.1	38,600	119,100	193,100	335,400	553,300	569,000	85,000
3.2	80,700	208,400	250,000	398,500	665,400	692,000	130,300
3.3	88,700	246,200	302,000	409,500	663,500	652,000	145,000
4	84,000	223,400	469,100	938,400	1,320,000	1,270,900	192,200
Aggradation/Degradation Volume (yd³, bulked)¹							
1	14,600	-39,700	-151,900	441,400	608,000	491,300	19,900
2	18,300	105,200	237,300	577,100	723,500	650,500	91,000
3.1	45,400	104,300	276,000	603,000	766,700	701,900	107,200
3.2	3,300	15,000	219,100	539,900	654,600	578,900	61,900
3.3	-4,700	-22,800	167,100	528,900	656,500	618,900	47,200
4	0	0	0	0	0	0	0
Aggradation/Degradation Volume With 50 Percent Reduction in Supply (yd³, bulked)²							
1	-27,400	-151,400	-386,500	-27,800	-52,000	-144,200	-76,200
2	-23,700	-6,500	2,800	107,900	63,500	15,100	-5,100
3.1	3,400	-7,400	41,500	133,800	106,700	66,500	11,100
3.2	-38,700	-96,700	-15,500	70,700	-5,400	-56,600	-34,200
3.3	-46,700	-134,500	-67,500	59,700	-3,500	-16,600	-48,900
4	-42,000	-111,700	-234,600	-469,200	-660,000	-635,500	-96,100
Aggradation/Degradation Volume With 50 Percent Increase in Supply (yd³, bulked)³							
1	56,600	72,000	82,700	910,600	1,268,000	1,126,800	116,000
2	60,300	216,900	471,900	1,046,300	1,383,500	1,286,000	187,100
3.1	87,400	216,000	510,600	1,072,200	1,426,700	1,337,400	203,300
3.2	45,300	126,700	453,700	1,009,100	1,314,600	1,214,400	158,000
3.3	37,300	88,900	401,700	998,100	1,316,500	1,254,400	143,300
4	42,000	111,700	234,600	469,200	660,000	635,500	96,100

¹Negative numbers denote degradation. Supply equal to the transport capacity of Subreach 4.

²Supply equal to 50 percent of the transport capacity of Subreach 4.

³Supply equal to 150 percent of the transport capacity of Subreach 4.

Table 4.2. Summary of sediment-continuity results under project conditions.							
Subreach	2-year	5-year	10-year	25-year	50-year	100-year	Average Annual
Bed Material Transport Capacity (yd³, bulked)¹							
1	69,400	263,100	621,000	497,000	712,000	779,600	172,300
2	65,700	118,200	231,100 (-)	354,300 (+)	581,500 (-)	609,100 (-)	100,400 (-)
3.1	48,800 (+)	127,700 (+)	99,200 (-)	181,300 (-)	386,700 (-)	402,800 (-)	72,100 (-)
3.2	400 (-)	700 (-)	1,300 (-)	46,000 (-)	260,600 (-)	311,400 (-)	10,800 (-)
3.3	88,300 (-)	244,700 (-)	330,800 (+)	468,300 (+)	769,800 (+)	766,200 (+)	152,500 (+)
4	84,000	223,400	469,100	938,400	1,320,000	1,270,900	192,200
Aggradation/Degradation Volume (yd³, bulked)²							
1	14,600	-39,700	-151,900	441,400	608,000	491,300	19,900
2	18,300	105,200	238,000	584,100	738,500	661,800	91,800
3.1	35,200	95,700	369,900	757,100	933,300	868,100	120,100
3.2	83,600	222,700	467,800	892,400	1,059,400	959,500	181,400
3.3	-4,300	-21,300	138,300	470,100	550,200	504,700	39,700
4	0	0	0	0	0	0	0
Aggradation/Degradation Volume With 50 Percent Reduction in Supply (yd³, bulked)³							
1	-27,400	-151,400	-386,500	-27,800	-52,000	-144,200	-76,200
2	-23,700	-6,500	3,500	114,900	78,500	26,400	-4,300
3.1	-6,800	-16,000	135,400	287,900	273,300	232,700	24,000
3.2	41,600	111,000	233,300	423,200	399,400	324,100	85,300
3.3	-46,300	-133,000	-96,300	900	-109,800	-130,800	-56,400
4	-42,000	-111,700	-234,600	-469,200	-660,000	-635,500	-96,100
Aggradation/Degradation Volume With 50 Percent Increase in Supply (yd³, bulked)⁴							
1	56,600	72,000	82,700	910,600	1,268,000	1,126,800	116,000
2	60,300	216,900	472,600	1,053,300	1,398,500	1,297,300	187,900
3.1	77,200	207,400	604,500	1,226,300	1,593,300	1,503,600	216,200
3.2	125,600	334,400	702,400	1,361,600	1,719,400	1,595,000	277,500
3.3	37,700	90,400	372,900	939,300	1,210,200	1,140,200	135,800
4	42,000	111,700	234,600	469,200	660,000	635,500	96,100

¹Bold numbers indicate change from existing conditions with the direction of change indicated by a (+) for an increase and a (-) for a decrease

²Negative numbers denote degradation. Supply equal to the transport capacity of Subreach 4.

³Supply equal to 50 percent of the transport capacity of Subreach 4.

⁴Supply equal to 150 percent of the transport capacity of Subreach 4.

The significance of the sediment-continuity results for the proposed bridge design is that the channel in the vicinity of the bridge should remain relatively stable, vertically, with a potential for significant aggradation locally in the widened channel through the bridge opening. Should the supply estimate be too high or a change in upstream watershed conditions result in a decrease in the sediment supply, the channel up- and downstream of the bridge could become degradational. The potential effects of this are explored further in the equilibrium slope analysis discussed in the next section.

The potential aggradation in the proposed improved channel through the bridge opening may result in a reduced channel capacity over time. As the channel fills with sediment, an equilibrium condition would eventually be reached where further significant aggradation would not be expected. This effect was analyzed by assuming this channel would fill in with geometry similar to Subreach 3.3 just downstream up to the dominant discharge of about 3,600 cfs, or about 12 feet in depth. The geometry of Subreach 3.3 was used as its relatively narrow width would control the backwater through the widened channel upstream until the widened channel would aggrade to a similar geometry. **Figure 4.2** shows the computed increase in the design event water-surface elevations resulting from the aggraded channel through the bridge opening. The computed increase in water-surface elevation at the upstream edge of the bridge is about 0.8 feet, and about 4.0 feet 380 feet upstream of the bridge. These potential increases in water-surface elevation should be considered in the design of the bridge.

4.3. Equilibrium Slope

The sediment-continuity analysis shows that with the assumed sediment supply equal to the transport capacity of Subreach 4, there is little potential for general degradation through the project reach. However, with a 50 percent reduction in supply, the channel downstream of the proposed bridge would be degradational. This degradation would occur through flattening of the channel gradient upstream of the concrete-lined channel below I-25, the only known vertical control in this reach. As the channel flattens, the transport capacity would asymptotically approach the upstream sediment supply. The equilibrium slope represents the gradient to which the channel would tend to adjust. The equilibrium slope for this condition was estimated by first developing an average hydrograph that preserved the shape of the individual flood hydrographs and produced the average annual sediment supply. Since the sediment supplies for the 2- and 5-year events bracket the average annual sediment supply, the ordinates of the average hydrograph were determined by interpolation between the hydrographs for these two storms. Next an equilibrium slope was assumed for the project reach, and the transport capacity associated with the average hydrograph was computed based on normal depth hydraulics and the MPM-Woo sediment-transport relationship. The normal depth hydraulics were based on a wide rectangular channel with the width equal to the dominant width for the project reach. The dominant width was estimated as 122 feet based on the following equation from the *Design Guide*:

$$W_D = 4.6Q_D^{0.4} \quad (4.2)$$

where W_D is the dominant width in feet and Q_D is the dominant discharge in cfs, defined as the peak flow for the hydrograph producing the average annual sediment load. The equilibrium slope was determined by adjusting the assumed slope until the computed transport capacity was equal to the average annual sediment supply as determined in the sediment-continuity analysis.

Based on the best-estimate sediment supply (i.e., transport capacity of Subreach 4), the equilibrium slope for the project reach is estimated to be 0.0074. The existing slope between

the upstream end of the concrete-lined channel downstream of I-25 and the downstream end of the proposed improved channel is 0.0064, indicating aggradation, which is consistent with the sediment-continuity analysis for this condition. If 50 percent of the transport capacity of Subreach 4 is assumed as the sediment supply, the estimated equilibrium slope is 0.0047. This would result in a degradation depth equal to about 14 feet at the downstream end of the proposed concrete-lined channel through the bridge opening.

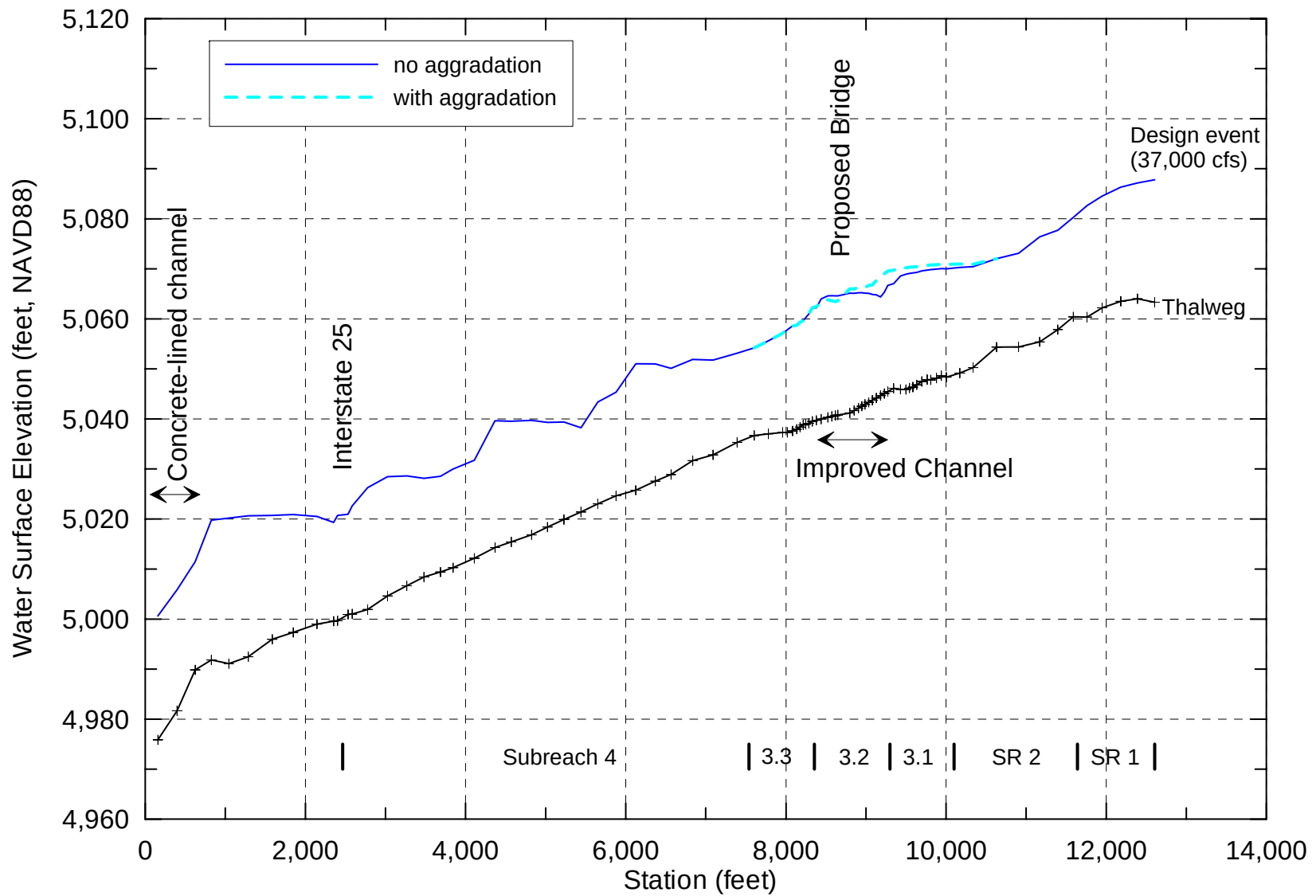


Figure 4.2. Computed water-surface profiles under the design event (37,000 cfs) showing the potential increases associated with the assumed aggradation through the bridge opening.

5. RIVER TRAINING AND BRIDGE PROTECTION MEASURES

Recommendations for design changes and scour countermeasures that will mitigate potential impacts to the stability of the arroyo and prevent possible damage to the proposed bridge crossing include estimates of potential local scour depths that can be used for the design of proposed bridge crossing and associated channel-stabilization measures.

The initial design of the bridge crossing included hardened transitions from the improved channel under the proposed bridge (Figure 1.13) to the narrower existing arroyo upstream and downstream of the bridge. Because of the potential for future widening of the arroyo through this reach (Section 1.3), hardening the channel to the narrower width would result in severe constrictions and local scour problems in the future should the arroyo widen as predicted. The proposed bridge opening with a 138-foot bottom width is wide enough to accommodate the predicted ultimate width of the arroyo based on the estimated dominant width of about 120 feet (Section 4.2). (The average main-channel width of the Stage E channel in Subreach 4 is currently about 100 feet.) Therefore, it is recommended that the transitions to the narrower arroyo upstream and downstream of the concrete-lined channel through the bridge be unlined which would accommodate future arroyo adjustments at the bridge. These unlined (earthen) transitions are shown in **Figure 5.1**. It is also recommended that the 2-foot deep low-flow channel (Figure 1.12b) be continued to the up- and downstream extents of the transitions.

The initial design of the bridge crossing also included a training dike that extended from the south (left) abutment on the upstream side of the bridge upstream across the south overbank area, intersecting high ground on the edge of the floodplain at about Sta 100+00. The purpose of the training dike was to direct flood flows in the south overbank upstream of the bridge through the bridge opening. While this training dike could potentially be designed to remove land from the floodplain, its extent is unnecessary from a bridge stability perspective, and the dike would be quite expensive due to the need for protection from local scour and possible arroyo migration against the dike.

A less expensive alternative that would direct flow through the bridge opening and protect the south abutment from local scour is the use of a guidebank as described in the Federal Highway Administration (FHWA) Hydraulic Engineering Circular No. 20 (HEC-20, Lagasse et al., 1995). A guidebank is an earth or rock embankment placed at an abutment that improves the flow orientation at the bridge opening and moves local scour away from the abutment (**Figure 5.2**). The location and orientation of the guidebank proposed for the upstream side of the south abutment is shown in Figure 5.1.

Based on design guidelines in HEC-20, the guidebank should extend about 250 feet upstream (approximately 290 feet along the elliptical planform) from the concrete-lined portion of the channel (see **Table 5.1**). FHWA guidelines (Lagasse et al., 1995) recommend that the top of the guidebank be set at least 2 feet above the design water-surface elevation. After discussions with BHI, a minimum elevation of 5,067 feet was selected, which provides 1.75 feet of freeboard above the design water-surface elevation. This height is also consistent with Federal Emergency Management Agency (FEMA) levee guidelines, which specify a minimum 4 feet of freeboard above the 100-year event water surface elevation (5062.8 feet) within 100 feet upstream of the bridge. The guidebank should be constructed with 2H:1V sideslopes, with a minimum top width of about 13 feet (ideally the top of the guidebank should be about 20 feet in

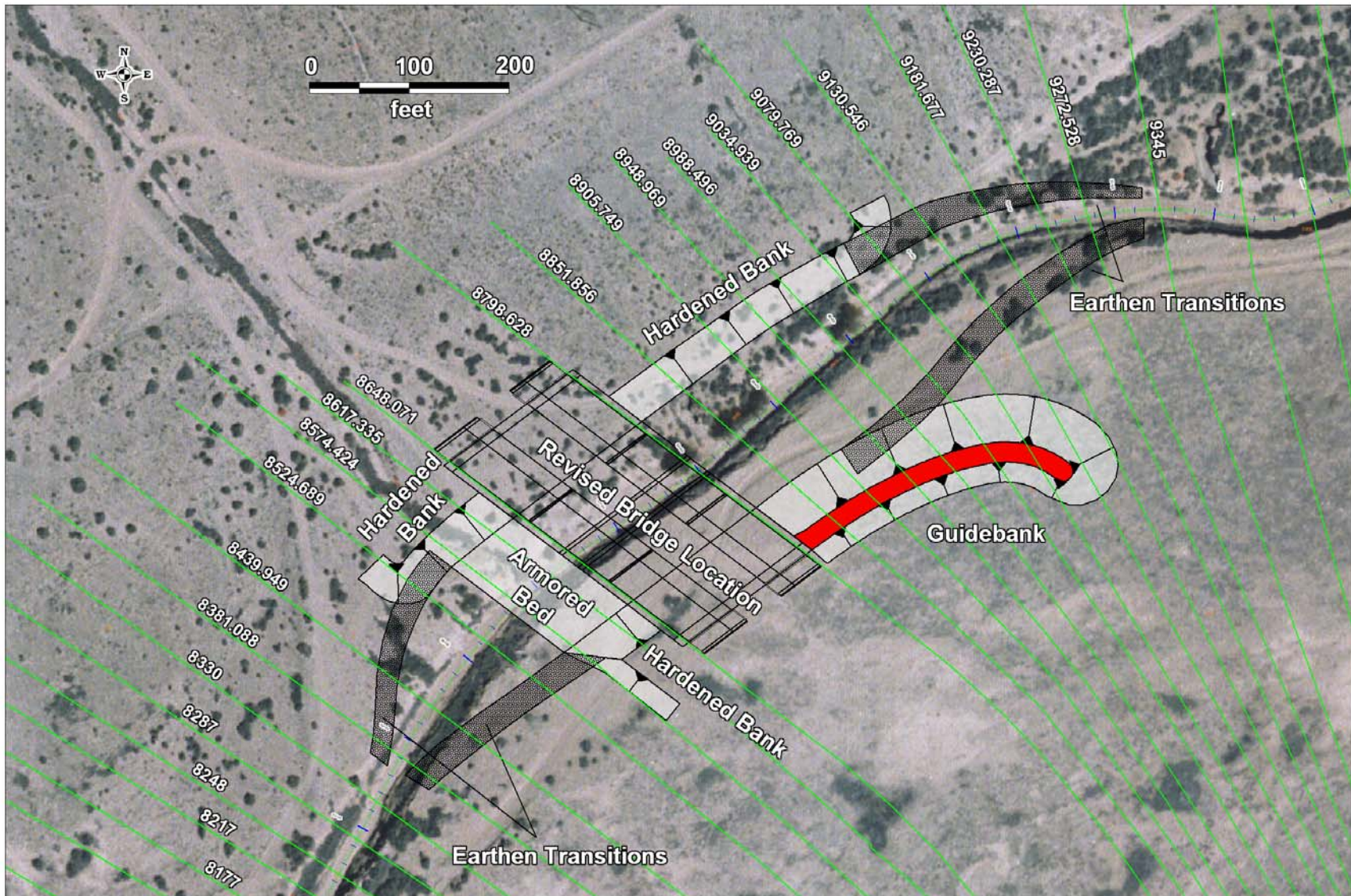


Figure 5.1. Proposed scour countermeasures and unlined channel transitions in the vicinity of the bridge.

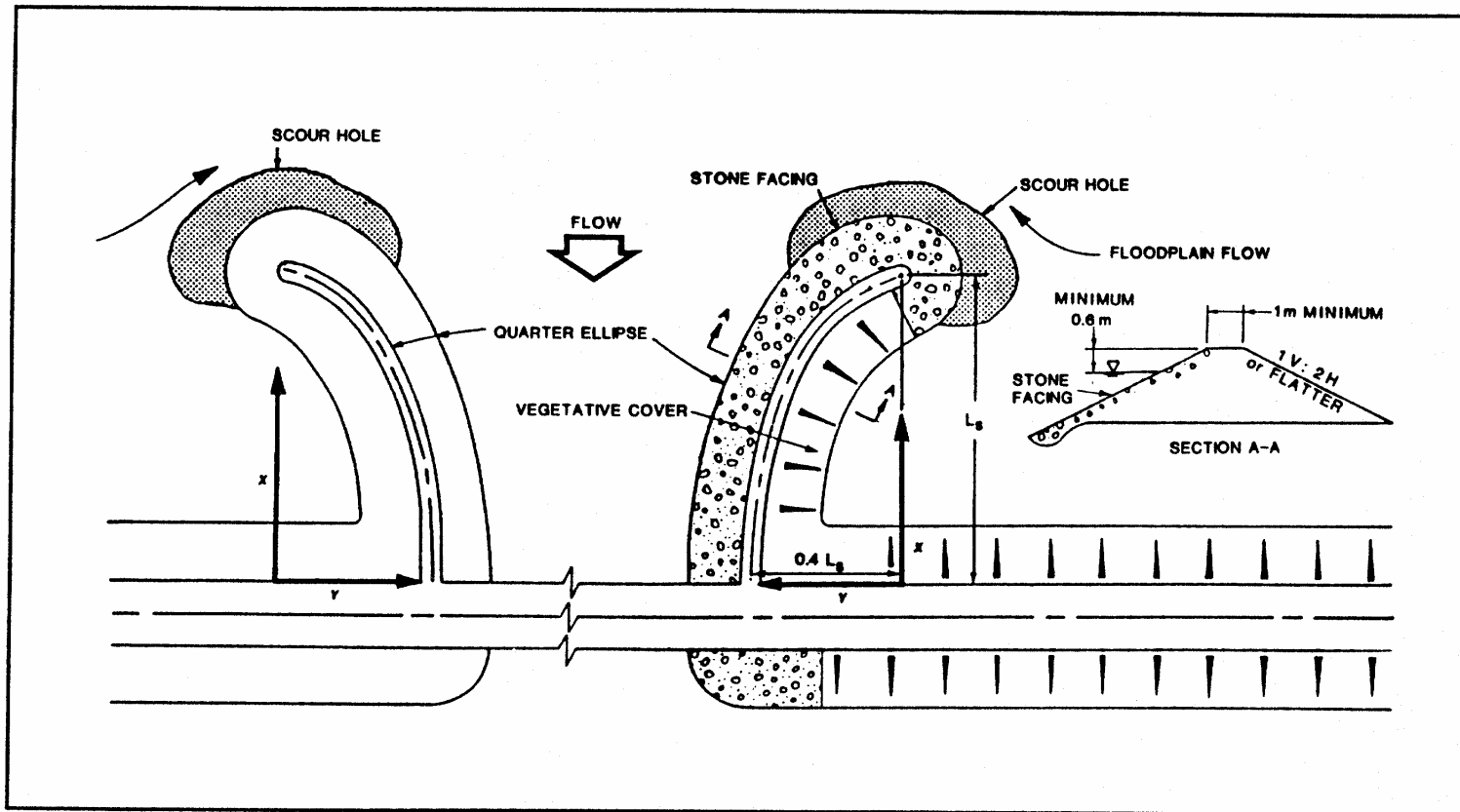


Figure 5.2. Typical guidebank (from Lagasse et al., 1995).

order to match the left-most end of the concrete channel [see Figure 5.1]). The upstream end of the guidebank should have a rounded nose. Riprap or other protection should be toed-down at least 12.0 feet below the channel bed to account for local scour associated with flow patterns around the guidebank and to account for the formation of antidunes in the channel bed. The local scour depth was estimated to be approximately 7.0 feet based on guidelines presented in FHWA Hydraulic Engineering Circular No. 11 (HEC-11, Brown and Clyde, 1989). Scour due to antidunes is approximately one-half the antidune height, which can be estimated using the following relation (Equation 3.68, *Design Guide*):

$$h_a = 0.14 \frac{2\pi V^2}{g} \quad (5.1)$$

where h_a = antidune height,
 V = flow velocity, and
 g = acceleration due to gravity.

The estimated antidune scour depth along the guidebank ranges between about 2.5 and 3.5 feet. Given the sensitivity of the hydraulics to the transitions between the natural channel and design channel, it is recommended that all bank protection be toed-down at least 12.0 feet below the channel bed.

In addition, it is recommended that if riprap is used for the protection, the thickness should be doubled around the upstream end of the guidebank to provide additional material to launch into the scour hole if it exceeds 12 feet in depth, thereby preventing undercutting and failure of the guidebank. Based on FHWA HEC-11 (Brown and Clyde, 1989) guidelines, riprap used to protect the guidebank should be angular rock with a D_{50} of at least 0.95 feet (AASHTO Facing Class), and a minimum thickness of about 2.0 feet. If wire-enclosed riprap is used, as BHI has specified, the filling stone should have a D_{50} of approximately 0.5 feet, and range in size between 4 and 8 inches to prevent the smallest stone from passing through the wire mesh. A gabion mattress thickness of between 1 and 1.5 feet is recommended to maintain a thickness of about twice that of the largest stone size. Regardless of the type of riprap, it should also be underlain by an appropriate granular filter or filter fabric to prevent piping.

Table 5.1. Summary of flow conditions used for the design of the guidebank.	
Total Discharge (Q , cfs)	37,000
Water-surface elevation (ft, NAVD88)	5065.3
Lateral discharge intercepted by the guidebank (Q_f , cfs)	18,196
Discharge in 100 feet adjacent to abutment (Q_{100} , cfs)	2,274
Cross section flow area at bridge opening (A_{n2} , ft ²)	3,800
Average velocity through bridge opening (V_{n2} , fps)	9.74
Guidebank discharge ratio (Q_f/Q_{100})	8.0
Projected length of guide bank (L_s , ft) ¹	250

¹From Figure 44 (Lagasse et al., 1995)

Given the present arroyo alignment and potential for future arroyo migration and widening, MEI initially recommended that the relocated north bank be protected at a 2H:1V sideslope for a distance of about 450 feet upstream of the proposed concrete-lined channel to prevent erosion on the outside of the bend. It is also recommended that the protected north bank be raised to an elevation of approximately 5067.3 feet to insure at least 2 feet of freeboard during the design event. After discussions with BHI, the hardened bank was shortened to about 300 feet upstream of the concrete-lined channel (Figure 5.1) at an elevation of 5066, which provides about 0.75 feet of freeboard. Although these changes will increase the level of risk and likelihood that a portion of the hardened bank may fail during the design event, it is unlikely that these changes would result in a bridge failure. The area behind the raised bank should be graded to allow adequate drainage that will prevent ponding in this area. Riprap or other protection along the bank should be toed down at least 12.0 feet below the channel bed to account for scour along the bend and antidune scour. The scour potential along the bank was estimated assuming a combination of bend scour and antidune scour, as discussed in Section 3.5.4 of the *Design Guide*. Bend scour was estimated by the following equation:

$$S_b = (\sqrt{K} - 1)y \quad (5.2)$$

where S_b is the bend scour depth, K is the ratio of local shear stress on the outside of the bend to the average shear across the channel, and y is the flow depth. The shear stress multiplier (K) was estimated using a relationship published by the U.S. Soil Conservation Service (1977) (**Figure 5.3**).

Because the upstream end of the hardened bank is located near the apex of the bend (Figure 5.1), it is likely that an additional amount of local scour will occur in that area as the channel bank erodes and exposes the nose of the bank protection (similar to that seen at the end of spur dikes). To account for the additional scour, the bank protection should be toed down at least 22.0 feet below the channel bed. This amount of toe-down could possibly be reduced by doubling the recommended thickness of dumped riprap (this approach is not applicable to wire-enclosed riprap) around the upstream end to provide additional material to launch into the scour hole if it exceeds the constructed toe-down depth. Similar to the reduction of freeboard, a reduction in the recommended toe down of 22.0 feet will increase the likelihood that a portion of the hardened bank may fail during the design event, but it is unlikely that these changes would result in a bridge failure. If riprap is used for the protection, FHWA (Brown and Clyde, 1989) guidelines recommend using angular rock with a D_{50} of at least 0.95 feet (AASHTO Facing Class) within 250 feet directly upstream of the concrete channel, and a D_{50} of at least 1.30 feet (AASHTO Light Class) on the remaining 50-foot upstream portion of the hardened bank where the velocities are higher. All rock with a minimum D_{50} of 0.95 feet should be placed at a thickness of at least 2.0 feet, and the rock with a D_{50} of 1.80 feet should be at least 2.6 feet thick. If wire-enclosed riprap is used, the filling stone should range in size between 4 and 8 inches with a D_{50} of approximately 0.5 feet, and the thickness of the gabion mattress should be between 1 and 1.5 feet. Similar to the guidebank, the riprap should be underlain by an appropriate filter fabric.

Due to the high flow velocities that will exit the concrete-lined channel, bank and bed protection should also be provided downstream of the bridge. MEI initially recommended that the relocated north bank should be protected for a distance of about 280 feet downstream of the concrete channel, and the relocated south bank should be protected for about 260 feet. After discussions with BHI, the north and south bank protection was shortened to about 120 feet and 80 feet, respectively (Figure 5.1). Both hardened banks should be constructed at 2H:1V sideslopes to meet flush with the concrete channel. Similar to the guidebank and the lower

portion of the upstream hardened bank, a minimum riprap D_{50} of 0.95 feet at a thickness of about 2.0 feet is recommended. The bed of the channel should also be protected to prevent scour, which could potentially expose the downstream face of the proposed concrete-lined channel. This riprap should extend at least 80 feet downstream of the concrete channel, where it should be toed down at least 12.0 feet, and the rock size and thickness should be consistent with the banks. The portion of the hardened banks that extend downstream of the channel-bed protection should also be toed down at least 12.0 feet, and the entire bank protection should be underlain by an appropriate filter fabric. The riprap thickness on the downstream ends of each of the protected banks should be doubled to provide additional material capable of launching into the scour hole that will likely develop downstream of the bed protection. Similar to the upstream protection, if wire-enclosed riprap is used, the filling stone should range in size between 4 and 8 inches with a D_{50} of approximately 0.5 feet, and the thickness of the gabion mattress should be between 1 and 1.5 feet.

The hydraulic model indicates that flow can overtop the channel banks in the vicinity of the bridge and inundate a portion of the roadway embankments (upstream and downstream of the bridge) at discharges greater than approximately the 10-year event. Although this condition would occur infrequently and would probably not result in a roadway failure, it is appropriate to implement some form of protection. Given the reduced floodplain velocities, riprap computations based on HEC-11 (Brown and Clyde, 1989) result in a minimum rock size of about 0.3 feet. A potential disadvantage of using riprap of this size is that it is easily moved by hand, and therefore, subject to vandalism. To curb possible vandalism, a minimum D_{50} of between 0.5 feet and 0.95 feet could be used. Regardless of the rock size, it should extend approximately 2 feet above the design water surface, be underlain with an appropriate filter fabric, and be toed down at least 3.0 feet.

The evaluation of arroyo development presented in Section 1.3 and the sediment-continuity analysis presented in Section 4.1 suggest that long-term general bed degradation is not expected unless changes in upstream land use reduce the sediment supply to the project reach. Should the sediment supply be reduced to 50 percent of the best-estimate value, potential degradation at the bridge crossing due to a downstream slope reduction could be as much as about 14 feet. Because significant changes in upstream land use are not expected (Leedshill-Herkenhoff, Inc, 1987), a reduction in supply of this magnitude is unlikely, and significant general bed degradation in the vicinity of the bridge is not expected even if a change in land use did occur, the catchment area and length of unlined channel upstream of the project site is large enough that a substantial change in the sediment supply is not likely to occur in the near future). The bed protection on the downstream side of the bridge discussed above, however, should be adequate to account for the potential of a small amount of general bed degradation as well as the potential for local scour. If significant bed degradation occurs in the future, it may be necessary to add grade control into the reach below the bridge to prevent bed lowering sufficient to undercut the concrete-lined channel. It is also recommended that the upstream end of the concrete-lined channel be toed-down 5 feet for potential local scour at this location.

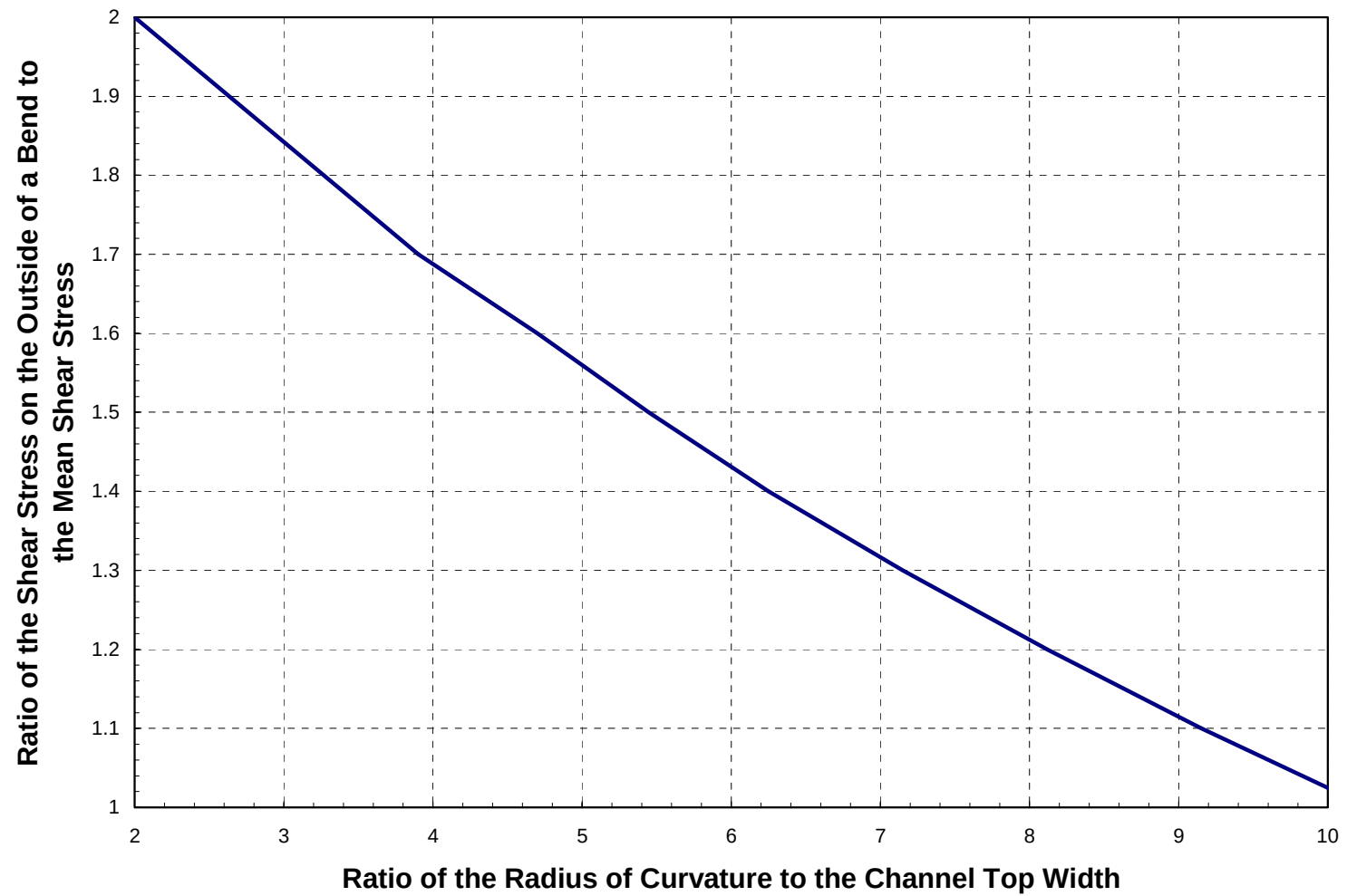


Figure 5.3. Relationship of bend shear stress to the mean shear stress (modified from U.S. Soil Conservation Service, 1977).

6. SUMMARY AND CONCLUSIONS

A sediment-transport and local scour analysis of Tijeras Arroyo in the vicinity of the proposed University Boulevard bridge crossing was performed to support the design of the crossing in a manner that will ensure structural safety while maintaining the integrity of the arroyo. A geomorphic analysis of Tijeras Arroyo in the vicinity of the proposed crossing was carried out to evaluate historical and potential future channel migration and changes in bed elevations. A hydraulic analysis of the arroyo extending from a point about 3,800 feet upstream of the proposed bridge to the upstream end of the concrete-lined channel about 8,000 feet downstream of the proposed bridge (about 1,700 feet downstream of Interstate 25) was carried out using the U.S. Army Corps of Engineers' HEC-RAS computer software (USACE, 2004). The hydraulic analysis was used to evaluate the hydraulic impact of the proposed bridge crossing on the arroyo and to provide hydraulic input (e.g., velocity, depth, shear stress) to the sediment-transport and local scour calculations. A sediment-continuity and equilibrium-slope analysis of the arroyo upstream and downstream of the proposed crossing was carried out to evaluate the potential for long-term bed elevation changes in the vicinity of the proposed bridge. An evaluation of the local scour potential in the vicinity of the proposed bridge and associated infrastructure was completed to provide input to the design of these facilities. Finally, recommendations for design changes and scour countermeasures were made that will mitigate potential impacts to the stability of the arroyo and prevent possible damage to the proposed and existing structures.

The following conclusions can be drawn from the analyses conducted for this study:

1. Tijeras Arroyo, in the vicinity of the proposed bridge crossing, is an incised channel that is in the process of evolving through various stages of arroyo development. Following the five-stage arroyo evolution model (Schumm et al., 1984) as presented in the *Design Guide*, the arroyo in the reach through the proposed bridge crossing (Subreach 3) is in late Stage B or Stage C, which is characterized by a relatively narrow channel with steep sideslopes that is in the process of widening. The reach of the arroyo extending about 1,400 to 2,900 feet upstream of the proposed bridge (Subreach 2) is wider and appears to be in Stage D, characterized by flatter bank slopes and alternate bars that are creating an inset floodplain. In the reach extending from about 1,000 feet downstream of the proposed bridge to Interstate 25 (Subreach 4), the arroyo appears to be in Stage E, characterized by a relatively stable channel with an inset floodplain. It is likely that the relatively narrow channel through the proposed bridge crossing (Subreach 3) will widen in the future. This potential widening should be accounted for in the design.
2. The proposed design will include a widened channel section through the bridge crossing (Figure 1.13). This widened channel will result in locally lower velocities through the bridge opening, and reduced backwater to the upstream channel at low to medium flows. At high flows, the contraction of flow through the bridge opening and the effects of the structure will result in increased water-surface elevations. For the design flow of 37,000 cfs, the design will result in a maximum increase in water-surface elevation of about 3.6 feet, compared to existing conditions.
3. The sediment-continuity analysis shows that the existing channel in the vicinity of the proposed bridge is slightly aggradational using the best-estimate sediment supply. Should the upstream sediment supply be reduced by 50 percent, the channel downstream of the proposed bridge would become degradational, resulting in about 14 feet of degradation at the bridge. This amount of degradation is unlikely, however, as a

large portion of the upstream watershed is public land that is unlikely to be developed. The proposed widening of the arroyo through the bridge will result in significant potential for aggradation in the widened channel, particularly in the short-term, while the channel just downstream remains relatively narrow. This aggradation needs to be accounted for in the design of the bridge. Assuming the channel fills in to a width similar to the narrower channel just downstream to a depth of 12 feet (depth at the dominant discharge of about 3,600 cfs), the computed water-surface elevation for the design event of 37,000 cfs increases by about 0.8 feet at the bridge, and by about 4.0 feet 380 feet upstream compared to unaggraded conditions.

4. The original design of the bridge crossing included hardened transitions from the wider channel through the bridge opening to the narrower arroyo up- and downstream. As the arroyo is expected to widen through time in this reach, hardening the channel to the narrower width would result in severe constrictions and local scour problems. It is therefore, recommended that the transitions be unlined to allow the arroyo to continue to widen. The proposed channel bottom width of 138 feet through the bridge is wide enough to accommodate the predicted ultimate width of the arroyo based on the estimated dominant width of about 120 feet (the average main-channel width of the Stage E channel downstream is presently about 100 feet).
5. The initial design of the bridge crossing also included a training dike that extended from the south abutment on the upstream side of the bridge upstream across the south overbank area, intersecting high ground on the edge of the floodplain at about Sta 100+00. While this training dike would have the potential to remove a portion of the overbank from the floodplain, its extent is unnecessary from a channel stability perspective. A more cost-effective means of directing flow through the bridge opening and protecting the south abutment from local scour is the use of a guidebank, as described in FHWA HEC-20 (Lagasse et al., 1995). A guidebank is an earth or rock embankment placed at an abutment that improves the flow orientation at the bridge opening and moves local scour away from the abutment. Based on FHWA guidelines the guidebank should be about 250 feet long, extend about 2 feet above the design water-surface elevation, have 2H:1V sideslopes, and have a topwidth of about 20 feet. Riprap or other protection should be toed-down at least 12.0 feet below the channel bed to account for local scour associated with flow patterns around the guidebank and to account for the formation of antidunes in the channel bed.
6. Given the present arroyo alignment and potential for future arroyo migration and widening, the relocated north bank should be protected and raised slightly above the design water-surface elevation for a distance of about 300 feet upstream of the proposed bridge. This protection would prevent erosion and lateral migration into the north bank on the outside of the bend. Riprap or other protection along the bank should be toed down at least 12.0 feet below the channel bed to account for scour along the bend and antidune scour. Protection at the upstream nose of the hardened bank should be toed down at least 22.0 feet below the channel bed to account for additional local scour. Measures should be taken to provide drainage of potentially ponded water that could accumulate behind the raised bank.
7. Due to high flow velocities that will exit the concrete-lined channel, the relocated north bank should be protected for a distance of about 120 feet downstream of the concrete channel, and the relocated south bank should be protected for about 80 feet downstream of the concrete. In addition, the bed of the channel should also be protected for a distance of at least 80 feet downstream to prevent scour, which could

potentially expose the downstream face of the proposed concrete-lined channel. The downstream end of the channel-bed protection and the portion of the hardened banks that extend downstream of that protection should be toed down at least 12.0 feet to account for possible scour.

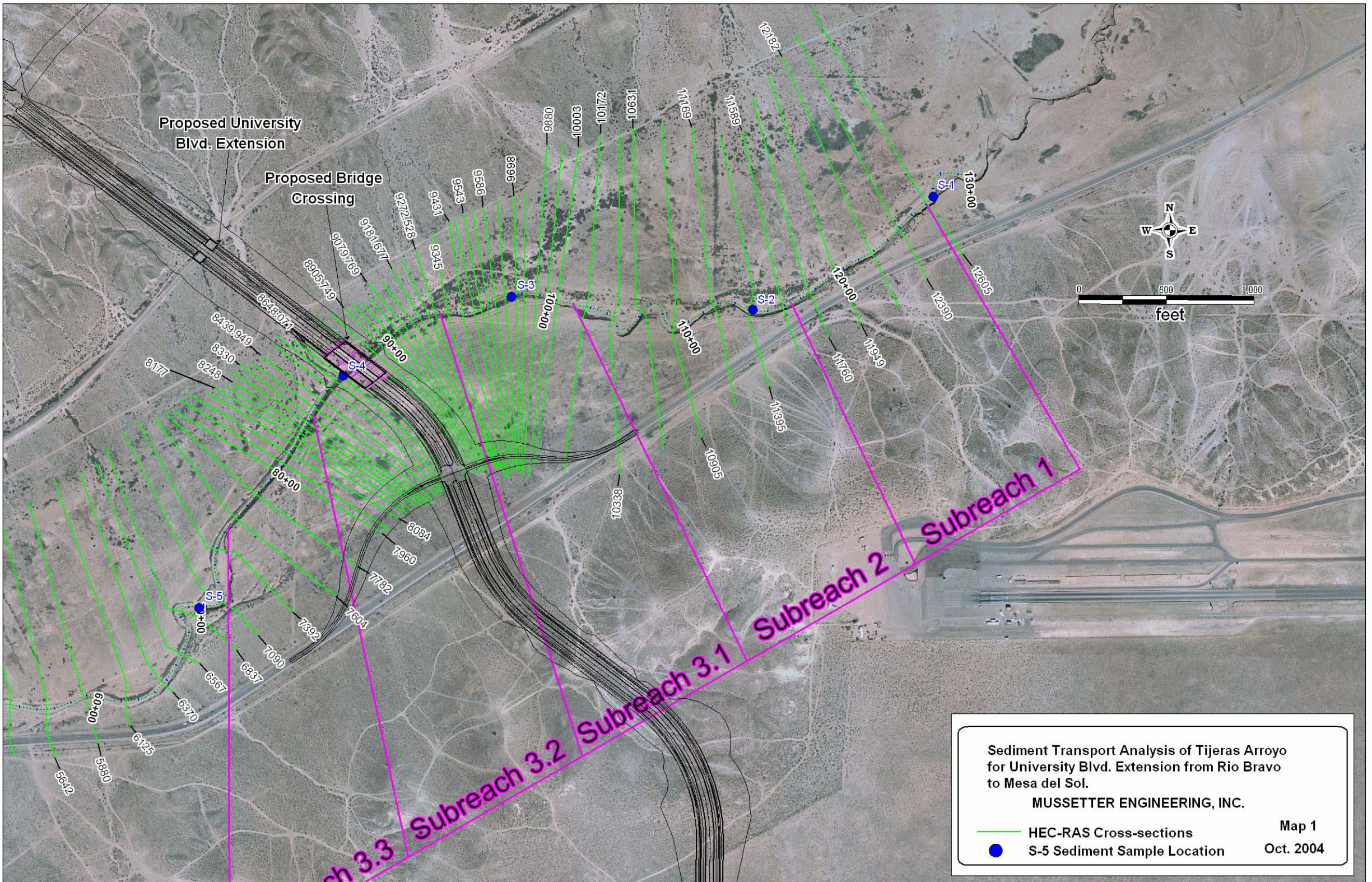
8. The recommendation to line the bed of the channel should be adequate to account local scour and a small amount of general bed degradation. Should future conditions indicate the potential for significant bed degradation, it may be necessary to add grade control into the reach below the bridge to prevent bed lowering that could undercut the concrete-lined channel. It is also recommended that the upstream end of the concrete-lined channel be toed-down 5 feet for potential local scour at this location.

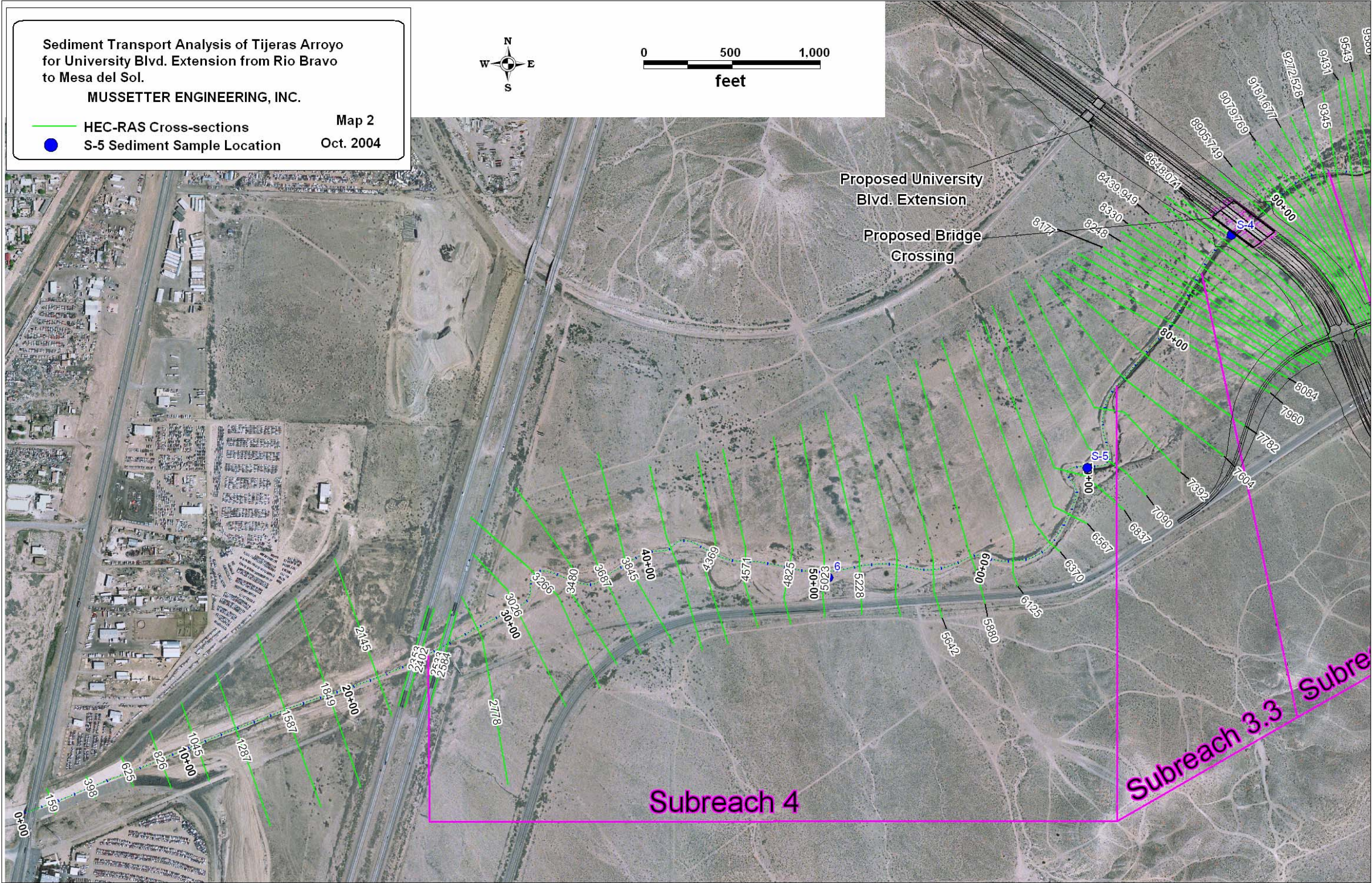
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APPENDIX A

Maps of the Project Reach





APPENDIX B
Photographs of the Site



Plate B.1. View looking downstream of Tijeras Arroyo about 200 feet upstream of the proposed bridge.



Plate B.2. View downstream of Tijeras Arroyo in the vicinity of the proposed bridge crossing.



Plate B.3. View looking upstream at bends located about 1,600 feet upstream of proposed bridge.



Plate B.4. View downstream of Tijeras Arroyo toward Interstate 25 from the left overbank about 4,000 feet downstream of the proposed bridge.



Plate B.5. View across Tijeras Arroyo of incised tributary located on the right bank about 30 feet downstream of the proposed bridge.

APPENDIX C

HEC-RAS Summary Output Files

APPENDIX C.1
HEC-RAS Summary Output Files
Existing Conditions

Profile Output Table - Standard Table 1

HEC-RAS Plan: Revised Brdg River: Stream Reach: Reach

Rivers = 1
Hydraulic Reaches = 1
River Stations = 89
Plans = 1
Profiles = 13

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Chl
Reach	12605	PF 1	50.00	5063.34	5066.37		5066.38	0.000098	0.70	71.07	30.83	0.08	
Reach	12605	PF 2	100.00	5063.34	5067.07		5067.08	0.000177	1.07	93.46	33.43	0.11	
Reach	12605	PF 3	200.00	5063.34	5067.98		5068.02	0.000306	1.59	125.53	36.96	0.15	
Reach	12605	PF 4	500.00	5063.34	5069.70		5069.80	0.000560	2.57	194.74	43.51	0.21	
Reach	12605	PF 5	1000.00	5063.34	5071.56		5071.75	0.000735	3.57	281.14	48.26	0.26	
Reach	12605	PF 6	1890.00	5063.34	5073.86		5074.23	0.000880	4.85	396.30	51.68	0.30	
Reach	12605	PF 7	4060.00	5063.34	5077.73		5078.48	0.001103	7.00	607.16	57.43	0.35	
Reach	12605	PF 8	7100.00	5063.34	5081.58		5082.83	0.001299	9.13	839.49	63.15	0.40	
Reach	12605	PF 9	13580.00	5063.34	5086.23	5079.38	5087.00	0.000859	8.80	3570.42	1050.99	0.34	
Reach	12605	PF 10	20950.00	5063.34	5086.21		5088.08	0.002062	13.62	3555.04	1049.31	0.53	
Reach	12605	PF 11	22220.00	5063.34	5086.29		5088.29	0.002230	14.20	3634.22	1055.52	0.55	
Reach	12605	PF 12	37000.00	5063.34	5087.82		5089.99	0.002757	16.56	5311.71	1129.87	0.62	
Reach	12605	PF 13	3612.00	5063.34	5077.04		5077.72	0.001065	6.62	568.31	56.41	0.34	
Reach	12390	PF 1	50.00	5064.04	5066.04		5066.13	0.002566	2.38	21.03	17.49	0.38	
Reach	12390	PF 2	100.00	5064.04	5066.63		5066.78	0.003032	3.14	31.88	19.57	0.43	
Reach	12390	PF 3	200.00	5064.04	5067.35		5067.63	0.003968	4.26	47.00	22.04	0.51	
Reach	12390	PF 4	500.00	5064.04	5068.64		5069.27	0.005930	6.40	78.15	26.43	0.66	
Reach	12390	PF 5	1000.00	5064.04	5069.98		5071.12	0.007867	8.58	116.56	30.99	0.78	
Reach	12390	PF 6	1890.00	5064.04	5071.66	5071.20	5073.50	0.009221	10.91	173.39	36.50	0.87	
Reach	12390	PF 7	4060.00	5064.04	5074.61	5074.35	5077.69	0.009257	14.14	293.85	44.85	0.93	
Reach	12390	PF 8	7100.00	5064.04	5078.05	5077.50	5082.03	0.007449	16.25	464.10	54.22	0.88	
Reach	12390	PF 9	13580.00	5064.04	5085.21		5086.01	0.001347	9.76	3386.94	1043.05	0.41	
Reach	12390	PF 10	20950.00	5064.04	5085.65	5085.65	5087.01	0.002396	13.23	3853.42	1064.29	0.55	
Reach	12390	PF 11	22220.00	5064.04	5085.79	5085.79	5087.17	0.002479	13.52	3994.17	1070.88	0.56	
Reach	12390	PF 12	37000.00	5064.04	5087.18		5088.74	0.003028	15.70	5524.35	1120.76	0.62	
Reach	12390	PF 13	3612.00	5064.04	5074.05	5073.74	5076.93	0.009371	13.67	269.15	43.43	0.92	
Reach	12182	PF 1	50.00	5063.51	5064.69		5064.76	0.003172	2.11	23.66	28.23	0.41	
Reach	12182	PF 2	100.00	5063.51	5065.24		5065.34	0.002513	2.50	40.02	30.89	0.39	
Reach	12182	PF 3	200.00	5063.51	5066.05		5066.19	0.002150	3.03	66.09	33.59	0.38	
Reach	12182	PF 4	500.00	5063.51	5067.55		5067.82	0.002301	4.14	120.71	39.65	0.42	
Reach	12182	PF 5	1000.00	5063.51	5069.18		5069.60	0.002519	5.24	190.77	46.36	0.46	
Reach	12182	PF 6	1890.00	5063.51	5071.31		5071.95	0.002345	6.44	296.71	52.79	0.46	
Reach	12182	PF 7	4060.00	5063.51	5075.04		5076.07	0.002238	8.27	513.48	63.79	0.47	
Reach	12182	PF 8	7100.00	5063.51	5079.08		5080.48	0.001993	9.73	804.52	84.78	0.47	
Reach	12182	PF 9	13580.00	5063.51	5085.26		5085.73	0.000663	7.24	4214.79	1073.28	0.29	
Reach	12182	PF 10	20950.00	5063.51	5084.71	5084.71	5086.30	0.002169	12.84	3625.89	1042.23	0.52	
Reach	12182	PF 11	22220.00	5063.51	5084.94	5084.94	5086.48	0.002131	12.83	3872.55	1060.37	0.52	
Reach	12182	PF 12	37000.00	5063.51	5086.34	5086.34	5088.15	0.002782	15.37	5392.67	1113.79	0.60	
Reach	12182	PF 13	3612.00	5063.51	5074.35		5075.32	0.002257	7.97	470.70	61.53	0.47	
Reach	11949	PF 1	50.00	5062.21	5063.60		5063.76	0.005323	3.13	15.96	15.19	0.54	
Reach	11949	PF 2	100.00	5062.21	5064.30		5064.50	0.004445	3.61	27.67	18.38	0.52	
Reach	11949	PF 3	200.00	5062.21	5065.10		5065.37	0.005098	4.19	47.73	28.06	0.57	
Reach	11949	PF 4	500.00	5062.21	5066.41		5066.92	0.005154	5.75	86.90	31.19	0.61	
Reach	11949	PF 5	1000.00	5062.21	5067.78		5068.68	0.006015	7.61	131.33	33.90	0.68	
Reach	11949	PF 6	1890.00	5062.21	5069.45		5070.97	0.007224	9.89	191.03	37.22	0.77	
Reach	11949	PF 7	4060.00	5062.21	5072.22	5071.59	5075.05	0.008425	13.51	302.25	43.91	0.87	
Reach	11949	PF 8	7100.00	5062.21	5075.08	5074.82	5079.41	0.008472	16.83	440.24	53.11	0.92	
Reach	11949	PF 9	13580.00	5062.21	5082.71		5083.46	0.001273	9.44	3295.37	892.57	0.39	

Reach	11949	PF 10	20950.00	5062.21	5082.77	5082.77	5084.48	0.002916	14.32	3350.84	900.06	0.59
Reach	11949	PF 11	22220.00	5062.21	5082.88	5082.88	5084.66	0.003063	14.74	3454.30	934.42	0.61
Reach	11949	PF 12	37000.00	5062.21	5084.53	5084.53	5086.37	0.003477	16.64	5072.64	1018.14	0.66
Reach	11949	PF 13	3612.00	5062.21	5071.74	5071.03	5074.31	0.008344	12.86	281.48	42.45	0.86
Reach	11760	PF 1	50.00	5060.34	5062.80		5062.90	0.003194	2.57	19.49	16.53	0.42
Reach	11760	PF 2	100.00	5060.34	5063.46		5063.60	0.003719	3.04	32.91	23.99	0.46
Reach	11760	PF 3	200.00	5060.34	5064.32		5064.52	0.003301	3.60	55.57	28.47	0.45
Reach	11760	PF 4	500.00	5060.34	5065.58		5066.00	0.004446	5.21	96.00	35.40	0.56
Reach	11760	PF 5	1000.00	5060.34	5066.73		5067.54	0.005790	7.22	138.80	38.71	0.67
Reach	11760	PF 6	1890.00	5060.34	5068.05		5069.57	0.007776	9.93	191.90	42.08	0.80
Reach	11760	PF 7	4060.00	5060.34	5070.18	5070.18	5073.41	0.010345	14.50	286.92	46.78	0.98
Reach	11760	PF 8	7100.00	5060.34	5073.26	5073.26	5077.67	0.008698	17.08	440.77	53.09	0.96
Reach	11760	PF 9	13580.00	5060.34	5082.92	5080.28	5083.17	0.000449	6.12	5066.23	1031.08	0.24
Reach	11760	PF 10	20950.00	5060.34	5081.33	5081.33	5082.84	0.002514	13.69	3560.73	914.40	0.57
Reach	11760	PF 11	22220.00	5060.34	5081.35	5081.35	5083.03	0.002788	14.42	3582.16	914.58	0.60
Reach	11760	PF 12	37000.00	5060.34	5082.63	5082.63	5084.73	0.003732	17.48	4784.29	983.35	0.70
Reach	11760	PF 13	3612.00	5060.34	5069.66	5069.66	5072.69	0.010746	14.01	262.85	45.70	0.99
Reach	11589	PF 1	50.00	5060.40	5061.88	5061.76	5062.16	0.013831	4.23	11.82	14.84	0.84
Reach	11589	PF 2	100.00	5060.40	5062.34	5062.23	5062.75	0.014141	5.11	19.56	18.77	0.88
Reach	11589	PF 3	200.00	5060.40	5062.97	5062.88	5063.53	0.014293	6.00	33.33	25.25	0.92
Reach	11589	PF 4	500.00	5060.40	5064.03	5064.03	5065.01	0.015209	7.95	62.89	32.46	1.01
Reach	11589	PF 5	1000.00	5060.40	5065.23	5065.23	5066.40	0.014197	8.68	115.25	49.66	1.00
Reach	11589	PF 6	1890.00	5060.40	5066.51	5066.51	5068.18	0.012748	10.36	182.51	55.21	1.00
Reach	11589	PF 7	4060.00	5060.40	5069.86	5071.56	5071.56	0.006049	10.46	390.80	69.91	0.76
Reach	11589	PF 8	7100.00	5060.40	5074.37	5075.85	5075.85	0.002859	9.90	772.42	110.69	0.56
Reach	11589	PF 9	13580.00	5060.40	5078.18	5077.56	5079.18	0.001777	9.55	2735.85	930.83	0.46
Reach	11589	PF 10	20950.00	5060.40	5078.79	5078.79	5080.34	0.002856	12.47	3322.38	972.50	0.59
Reach	11589	PF 11	22220.00	5060.40	5078.99	5078.99	5080.51	0.002844	12.56	3511.69	990.51	0.59
Reach	11589	PF 12	37000.00	5060.40	5080.30	5080.30	5082.20	0.003695	15.19	4850.90	1034.39	0.68
Reach	11589	PF 13	3612.00	5060.40	5069.05	5070.85	5070.85	0.007570	10.78	335.80	65.98	0.83
Reach	11395	PF 1	50.00	5057.87	5059.11		5059.28	0.009256	3.36	14.89	19.75	0.68
Reach	11395	PF 2	100.00	5057.87	5059.56		5059.81	0.008797	4.07	24.60	23.50	0.70
Reach	11395	PF 3	200.00	5057.87	5060.18		5060.55	0.008450	4.89	40.93	28.73	0.72
Reach	11395	PF 4	500.00	5057.87	5061.58		5062.04	0.006643	5.43	92.10	45.96	0.68
Reach	11395	PF 5	1000.00	5057.87	5063.48		5063.85	0.004261	4.88	204.81	85.77	0.56
Reach	11395	PF 6	1890.00	5057.87	5065.98		5066.26	0.001430	4.29	444.37	103.32	0.36
Reach	11395	PF 7	4060.00	5057.87	5070.39		5070.70	0.000641	4.54	927.72	115.80	0.27
Reach	11395	PF 8	7100.00	5057.87	5074.96		5075.26	0.000395	4.70	2316.61	838.12	0.23
Reach	11395	PF 9	13580.00	5057.87	5075.63		5076.41	0.001037	7.87	2932.69	1014.19	0.37
Reach	11395	PF 10	20950.00	5057.87	5075.81		5077.56	0.002298	11.82	3126.30	1057.20	0.55
Reach	11395	PF 11	22220.00	5057.87	5076.27		5077.76	0.002010	11.29	3624.86	1114.71	0.52
Reach	11395	PF 12	37000.00	5057.87	5077.74	5077.74	5079.58	0.002627	13.75	5340.51	1226.84	0.60
Reach	11395	PF 13	3612.00	5057.87	5069.58		5069.88	0.000705	4.47	834.40	113.50	0.28
Reach	11169	PF 1	50.00	5055.41	5057.13		5057.27	0.004865	2.95	16.95	15.87	0.50
Reach	11169	PF 2	100.00	5055.41	5057.64		5057.88	0.005769	3.96	25.23	16.93	0.57
Reach	11169	PF 3	200.00	5055.41	5058.29		5058.75	0.007525	5.45	36.71	18.30	0.68
Reach	11169	PF 4	500.00	5055.41	5059.36	5059.20	5060.52	0.012981	8.64	57.84	21.32	0.92
Reach	11169	PF 5	1000.00	5055.41	5060.83	5060.83	5062.65	0.014313	10.82	92.44	25.78	1.01
Reach	11169	PF 6	1890.00	5055.41	5062.83	5062.83	5065.35	0.012792	12.74	149.38	31.75	0.99
Reach	11169	PF 7	4060.00	5055.41	5066.26	5066.26	5069.96	0.010562	15.65	273.12	39.85	0.96
Reach	11169	PF 8	7100.00	5055.41	5069.90	5069.90	5074.65	0.008675	18.10	437.36	50.42	0.93
Reach	11169	PF 9	13580.00	5055.41	5074.46	5074.46	5075.64	0.002666	12.46	2933.08	1176.71	0.54
Reach	11169	PF 10	20950.00	5055.41	5075.38	5075.38	5076.53	0.002958	13.61	4065.84	1255.91	0.58
Reach	11169	PF 11	22220.00	5055.41	5075.50	5075.50	5076.66	0.003045	13.87	4207.09	1259.64	0.58
Reach	11169	PF 12	37000.00	5055.41	5076.38	5076.38	5077.99	0.004508	17.44	5336.94	1308.99	0.72
Reach	11169	PF 13	3612.00	5055.41	5065.60	5065.60	5069.12	0.011161	15.23	247.56	38.05	0.97
Reach	10905	PF 1	50.00	5054.41	5056.28		5056.30	0.001173	1.32	37.80	43.25	0.25
Reach	10905	PF 2	100.00	5054.41	5056.75		5056.79	0.001278	1.58	63.44	59.54	0.27

Reach	10905	PF 3	200.00	5054.41	5057.37		5057.43	0.001204	1.91	104.54	70.12	0.28
Reach	10905	PF 4	500.00	5054.41	5058.66		5058.75	0.001289	2.33	214.64	112.64	0.30
Reach	10905	PF 5	1000.00	5054.41	5060.03		5060.12	0.000882	2.47	405.19	146.16	0.26
Reach	10905	PF 6	1890.00	5054.41	5061.89		5062.01	0.000588	2.77	682.58	151.89	0.23
Reach	10905	PF 7	4060.00	5054.41	5065.64		5065.80	0.000370	3.20	1279.37	165.46	0.20
Reach	10905	PF 8	7100.00	5054.41	5068.83		5069.07	0.000367	3.95	1820.73	175.98	0.21
Reach	10905	PF 9	13580.00	5054.41	5071.08		5071.53	0.000594	5.69	3379.80	1137.90	0.28
Reach	10905	PF 10	20950.00	5054.41	5071.85		5072.61	0.000989	7.63	4343.19	1298.30	0.36
Reach	10905	PF 11	22220.00	5054.41	5072.03		5072.81	0.001025	7.83	4570.37	1317.39	0.37
Reach	10905	PF 12	37000.00	5054.41	5073.12		5074.40	0.001698	10.59	6101.87	1457.46	0.48
Reach	10905	PF 13	3612.00	5054.41	5064.93		5065.08	0.000395	3.12	1162.44	163.50	0.20
Reach	10631	PF 1	50.00	5054.36	5055.31		5055.53	0.014216	3.78	13.22	20.32	0.83
Reach	10631	PF 2	100.00	5054.36	5055.73		5056.03	0.012341	4.36	22.96	25.63	0.81
Reach	10631	PF 3	200.00	5054.36	5056.32		5056.71	0.010238	5.03	39.75	30.91	0.78
Reach	10631	PF 4	500.00	5054.36	5057.43		5058.04	0.009216	6.27	79.70	40.75	0.79
Reach	10631	PF 5	1000.00	5054.36	5058.55		5059.49	0.008880	7.75	128.98	46.32	0.82
Reach	10631	PF 6	1890.00	5054.36	5060.24		5061.46	0.007294	8.85	213.44	53.64	0.78
Reach	10631	PF 7	4060.00	5054.36	5063.95		5065.39	0.003712	9.64	427.29	60.94	0.62
Reach	10631	PF 8	7100.00	5054.36	5065.50		5068.48	0.006037	13.92	524.29	65.64	0.81
Reach	10631	PF 9	13580.00	5054.36	5070.59		5071.25	0.001341	8.83	3841.28	1526.87	0.41
Reach	10631	PF 10	20950.00	5054.36	5070.97	5070.97	5072.06	0.002329	11.85	4418.44	1543.33	0.55
Reach	10631	PF 11	22220.00	5054.36	5070.99	5070.99	5072.19	0.002572	12.46	4453.87	1544.33	0.58
Reach	10631	PF 12	37000.00	5054.36	5072.04	5072.04	5073.43	0.003278	14.73	6102.46	1602.30	0.66
Reach	10631	PF 13	3612.00	5054.36	5063.28		5064.66	0.004030	9.44	386.66	59.66	0.64
Reach	10338	PF 1	50.00	5050.27	5051.62		5051.73	0.004331	2.63	19.04	20.39	0.48
Reach	10338	PF 2	100.00	5050.27	5052.28		5052.42	0.003202	3.02	33.13	22.66	0.44
Reach	10338	PF 3	200.00	5050.27	5053.27		5053.45	0.002618	3.48	57.43	27.00	0.42
Reach	10338	PF 4	500.00	5050.27	5055.03		5055.33	0.002551	4.42	113.14	36.30	0.44
Reach	10338	PF 5	1000.00	5050.27	5057.14		5057.51	0.003047	4.86	205.73	65.84	0.48
Reach	10338	PF 6	1890.00	5050.27	5059.81		5060.14	0.001472	4.57	413.95	83.02	0.36
Reach	10338	PF 7	4060.00	5050.27	5064.11		5064.52	0.000932	5.15	788.27	91.83	0.31
Reach	10338	PF 8	7100.00	5050.27	5066.18		5066.98	0.001414	7.21	1087.76	587.42	0.39
Reach	10338	PF 9	13580.00	5050.27	5066.36	5064.26	5069.10	0.004784	13.41	1192.89	596.63	0.72
Reach	10338	PF 10	20950.00	5050.27	5068.86	5068.86	5070.40	0.002817	11.81	3330.94	1290.79	0.57
Reach	10338	PF 11	22220.00	5050.27	5069.02	5069.02	5070.57	0.002858	12.00	3549.57	1395.60	0.57
Reach	10338	PF 12	37000.00	5050.27	5070.42	5070.42	5072.02	0.003232	13.62	5625.09	1545.12	0.62
Reach	10338	PF 13	3612.00	5050.27	5063.37		5063.76	0.000977	5.01	720.99	89.72	0.31
Reach	10172	PF 1	50.00	5049.19	5051.28		5051.31	0.000661	1.37	36.59	25.43	0.20
Reach	10172	PF 2	100.00	5049.19	5052.05		5052.10	0.000715	1.73	57.92	29.89	0.22
Reach	10172	PF 3	200.00	5049.19	5053.08		5053.15	0.001270	2.08	96.14	58.24	0.29
Reach	10172	PF 4	500.00	5049.19	5054.97		5055.05	0.000670	2.30	217.30	69.49	0.23
Reach	10172	PF 5	1000.00	5049.19	5057.12		5057.22	0.000539	2.56	391.23	90.63	0.22
Reach	10172	PF 6	1890.00	5049.19	5059.83		5059.96	0.000396	2.90	653.94	101.04	0.20
Reach	10172	PF 7	4060.00	5049.19	5064.16		5064.37	0.000333	3.71	1123.67	444.60	0.20
Reach	10172	PF 8	7100.00	5049.19	5066.40		5066.71	0.000429	4.77	2185.53	688.05	0.23
Reach	10172	PF 9	13580.00	5049.19	5067.52		5068.19	0.000922	7.39	3187.45	1137.76	0.34
Reach	10172	PF 10	20950.00	5049.19	5069.07		5069.71	0.000951	8.04	5272.56	1460.11	0.36
Reach	10172	PF 11	22220.00	5049.19	5069.22		5069.88	0.000986	8.24	5485.39	1465.26	0.36
Reach	10172	PF 12	37000.00	5049.19	5070.26		5071.25	0.001565	10.82	7023.13	1497.03	0.46
Reach	10172	PF 13	3612.00	5049.19	5063.41		5063.61	0.000336	3.56	1038.32	192.52	0.20
Reach	10003	PF 1	50.00	5048.35	5051.14		5051.17	0.000671	1.34	37.41	27.24	0.20
Reach	10003	PF 2	100.00	5048.35	5051.90		5051.94	0.000786	1.63	61.30	37.32	0.22
Reach	10003	PF 3	200.00	5048.35	5052.89		5052.96	0.000722	1.97	101.30	43.27	0.23
Reach	10003	PF 4	500.00	5048.35	5054.79		5054.89	0.000680	2.61	191.22	50.25	0.24
Reach	10003	PF 5	1000.00	5048.35	5056.93		5057.10	0.000675	3.28	305.24	55.55	0.25
Reach	10003	PF 6	1890.00	5048.35	5059.59		5059.85	0.000685	4.13	461.15	62.28	0.26
Reach	10003	PF 7	4060.00	5048.35	5063.78		5064.26	0.000789	5.61	749.09	462.55	0.29
Reach	10003	PF 8	7100.00	5048.35	5066.15		5066.60	0.000743	6.16	2133.76	957.58	0.29
Reach	10003	PF 9	13580.00	5048.35	5066.89		5067.86	0.001703	9.66	2886.79	1179.27	0.45

Reach	10003	PF 10	20950.00	5048.35	5067.03		5069.17	0.003794	14.50	3050.60	1210.93	0.67
Reach	10003	PF 11	22220.00	5048.35	5067.16		5069.36	0.003927	14.84	3212.33	1239.08	0.68
Reach	10003	PF 12	37000.00	5048.35	5070.01		5070.86	0.001801	11.31	7017.26	1373.64	0.48
Reach	10003	PF 13	3612.00	5048.35	5063.06		5063.50	0.000766	5.34	696.02	413.85	0.29
Reach	9941	PF 1	50.00	5048.63	5051.06		5051.11	0.001279	1.86	26.88	19.09	0.28
Reach	9941	PF 2	100.00	5048.63	5051.78		5051.87	0.001536	2.36	42.43	24.17	0.31
Reach	9941	PF 3	200.00	5048.63	5052.75		5052.88	0.001643	2.95	67.89	28.87	0.34
Reach	9941	PF 4	500.00	5048.63	5054.57		5054.81	0.001701	3.96	126.17	34.29	0.36
Reach	9941	PF 5	1000.00	5048.63	5056.63		5057.01	0.001767	4.95	202.14	39.39	0.38
Reach	9941	PF 6	1890.00	5048.63	5059.18		5059.75	0.001906	6.09	310.32	45.67	0.41
Reach	9941	PF 7	4060.00	5048.63	5063.16		5064.13	0.002210	7.94	511.69	444.22	0.46
Reach	9941	PF 8	7100.00	5048.63	5066.15		5066.53	0.000937	6.22	2333.83	1057.44	0.31
Reach	9941	PF 9	13580.00	5048.63	5066.94		5067.68	0.001948	9.35	3241.79	1225.02	0.46
Reach	9941	PF 10	20950.00	5048.63	5067.75		5068.60	0.002418	10.84	4227.86	1258.74	0.51
Reach	9941	PF 11	22220.00	5048.63	5067.93		5068.77	0.002380	10.85	4449.71	1269.22	0.51
Reach	9941	PF 12	37000.00	5048.63	5070.04		5070.70	0.001814	10.39	7109.11	1349.91	0.46
Reach	9941	PF 13	3612.00	5048.63	5062.48		5063.38	0.002172	7.61	474.48	315.07	0.45
Reach	9880	PF 1	50.00	5048.15	5050.96		5051.02	0.001608	2.05	24.37	17.37	0.31
Reach	9880	PF 2	100.00	5048.15	5051.65		5051.76	0.001936	2.65	37.78	21.09	0.35
Reach	9880	PF 3	200.00	5048.15	5052.59		5052.76	0.002144	3.36	59.52	24.73	0.38
Reach	9880	PF 4	500.00	5048.15	5054.33		5054.68	0.002483	4.73	105.75	28.31	0.43
Reach	9880	PF 5	1000.00	5048.15	5056.29		5056.86	0.002797	6.06	165.13	32.36	0.47
Reach	9880	PF 6	1890.00	5048.15	5058.67		5059.57	0.003158	7.62	248.69	39.58	0.52
Reach	9880	PF 7	4060.00	5048.15	5062.46		5063.92	0.003211	9.88	442.10	325.80	0.55
Reach	9880	PF 8	7100.00	5048.15	5065.85		5066.44	0.001392	7.91	2167.46	1190.72	0.38
Reach	9880	PF 9	13580.00	5048.15	5066.59	5066.59	5067.52	0.002508	11.01	3019.57	1242.19	0.52
Reach	9880	PF 10	20950.00	5048.15	5067.56		5068.45	0.002654	11.84	4147.84	1263.79	0.54
Reach	9880	PF 11	22220.00	5048.15	5067.77		5068.62	0.002545	11.71	4398.32	1268.53	0.53
Reach	9880	PF 12	37000.00	5048.15	5069.94		5070.58	0.001846	10.89	7017.09	1318.29	0.46
Reach	9880	PF 13	3612.00	5048.15	5061.80		5063.17	0.003270	9.52	402.33	273.38	0.55
Reach	9809	PF 1	50.00	5047.80	5050.73		5050.86	0.003218	2.86	17.47	12.04	0.42
Reach	9809	PF 2	100.00	5047.80	5051.28		5051.54	0.005109	4.04	24.73	14.38	0.54
Reach	9809	PF 3	200.00	5047.80	5052.01		5052.47	0.007715	5.49	36.42	18.40	0.69
Reach	9809	PF 4	500.00	5047.80	5053.47		5054.33	0.008576	7.43	67.29	22.98	0.77
Reach	9809	PF 5	1000.00	5047.80	5055.19		5056.47	0.008483	9.07	110.31	27.09	0.79
Reach	9809	PF 6	1890.00	5047.80	5057.23		5059.13	0.008564	11.07	173.74	36.56	0.83
Reach	9809	PF 7	4060.00	5047.80	5061.01		5063.51	0.006303	13.04	343.26	152.86	0.77
Reach	9809	PF 8	7100.00	5047.80	5065.89		5066.31	0.001117	7.34	2518.27	1205.62	0.35
Reach	9809	PF 9	13580.00	5047.80	5066.22	5066.22	5067.27	0.002965	12.14	2885.22	1223.32	0.57
Reach	9809	PF 10	20950.00	5047.80	5067.48		5068.25	0.002448	11.68	4306.72	1259.03	0.52
Reach	9809	PF 11	22220.00	5047.80	5067.69		5068.42	0.002360	11.57	4546.86	1261.90	0.52
Reach	9809	PF 12	37000.00	5047.80	5069.85		5070.46	0.001783	10.96	7081.03	1312.24	0.46
Reach	9809	PF 13	3612.00	5047.80	5060.31	5059.44	5062.74	0.006752	12.78	305.54	51.61	0.78
Reach	9764	PF 1	50.00	5047.88	5050.41	5050.04	5050.62	0.009741	3.68	13.57	15.23	0.69
Reach	9764	PF 2	100.00	5047.88	5050.94	5050.64	5051.24	0.008787	4.37	22.91	18.33	0.69
Reach	9764	PF 3	200.00	5047.88	5051.57	5051.23	5052.08	0.009712	5.73	34.92	19.65	0.76
Reach	9764	PF 4	500.00	5047.88	5053.02		5053.92	0.009480	7.64	65.44	22.66	0.79
Reach	9764	PF 5	1000.00	5047.88	5054.70		5056.05	0.009752	9.34	107.05	27.51	0.83
Reach	9764	PF 6	1890.00	5047.88	5056.95		5058.68	0.009285	10.55	179.10	37.04	0.85
Reach	9764	PF 7	4060.00	5047.88	5060.97		5063.14	0.006004	11.89	352.61	195.40	0.73
Reach	9764	PF 8	7100.00	5047.88	5065.93		5066.24	0.000884	6.22	2705.77	1200.22	0.30
Reach	9764	PF 9	13580.00	5047.88	5065.98		5067.05	0.003081	11.65	2761.43	1201.47	0.56
Reach	9764	PF 10	20950.00	5047.88	5067.42		5068.13	0.002275	10.72	4330.45	1241.51	0.49
Reach	9764	PF 11	22220.00	5047.88	5067.62		5068.31	0.002224	10.69	4553.97	1246.61	0.49
Reach	9764	PF 12	37000.00	5047.88	5069.77		5070.38	0.001760	10.41	7025.61	1310.19	0.44
Reach	9764	PF 13	3612.00	5047.88	5060.26		5062.34	0.006303	11.62	317.75	47.83	0.74
Reach	9698	PF 1	50.00	5047.48	5049.24	5049.24	5049.69	0.020570	5.39	9.28	10.56	1.01

Reach	9698	PF 2	100.00	5047.48	5049.80	5049.80	5050.39	0.018644	6.16	16.23	14.04	1.01
Reach	9698	PF 3	200.00	5047.48	5050.70	5050.53	5051.35	0.012441	6.43	31.11	18.52	0.87
Reach	9698	PF 4	500.00	5047.48	5052.61		5053.32	0.007172	6.75	74.10	26.73	0.71
Reach	9698	PF 5	1000.00	5047.48	5054.55		5055.41	0.005793	7.43	134.52	35.53	0.67
Reach	9698	PF 6	1890.00	5047.48	5057.10		5058.08	0.003832	7.97	245.14	55.12	0.58
Reach	9698	PF 7	4060.00	5047.48	5061.54		5062.58	0.002086	8.60	554.75	384.67	0.47
Reach	9698	PF 8	7100.00	5047.48	5065.94		5066.17	0.000524	5.48	3118.87	1176.98	0.25
Reach	9698	PF 9	13580.00	5047.48	5066.05		5066.82	0.001764	10.10	3229.08	1180.95	0.46
Reach	9698	PF 10	20950.00	5047.48	5067.28		5068.00	0.001769	10.67	4505.93	1212.40	0.47
Reach	9698	PF 11	22220.00	5047.48	5067.47		5068.19	0.001768	10.75	4703.85	1216.72	0.47
Reach	9698	PF 12	37000.00	5047.48	5069.59		5070.27	0.001587	11.06	6999.87	1275.71	0.46
Reach	9698	PF 13	3612.00	5047.48	5060.77		5061.79	0.002242	8.46	491.90	233.97	0.49
Reach	9635	PF 1	50.00	5046.83	5048.95		5049.03	0.002457	2.34	21.35	17.60	0.37
Reach	9635	PF 2	100.00	5046.83	5049.74		5049.85	0.002102	2.74	36.51	20.93	0.37
Reach	9635	PF 3	200.00	5046.83	5050.77		5050.94	0.002044	3.31	60.48	25.31	0.38
Reach	9635	PF 4	500.00	5046.83	5052.69		5052.97	0.002134	4.21	118.69	35.50	0.41
Reach	9635	PF 5	1000.00	5046.83	5054.67		5055.07	0.002120	5.05	197.88	44.49	0.42
Reach	9635	PF 6	1890.00	5046.83	5057.28		5057.79	0.001611	5.78	340.38	62.81	0.39
Reach	9635	PF 7	4060.00	5046.83	5061.67		5062.38	0.001216	7.03	640.52	408.82	0.37
Reach	9635	PF 8	7100.00	5046.83	5065.92		5066.14	0.000405	5.04	3180.61	1137.40	0.23
Reach	9635	PF 9	13580.00	5046.83	5065.18		5066.64	0.002482	12.07	2494.55	1104.74	0.56
Reach	9635	PF 10	20950.00	5046.83	5066.90		5067.87	0.001888	11.34	4128.31	1172.57	0.49
Reach	9635	PF 11	22220.00	5046.83	5067.09		5068.05	0.001899	11.45	4311.82	1176.38	0.50
Reach	9635	PF 12	37000.00	5046.83	5069.27		5070.16	0.001749	11.94	6492.27	1244.55	0.49
Reach	9635	PF 13	3612.00	5046.83	5060.91		5061.59	0.001243	6.78	585.40	302.85	0.37
Reach	9586	PF 1	50.00	5046.37	5048.86		5048.93	0.001790	2.12	23.62	17.75	0.32
Reach	9586	PF 2	100.00	5046.37	5049.65		5049.75	0.001748	2.53	39.60	22.36	0.33
Reach	9586	PF 3	200.00	5046.37	5050.70		5050.84	0.001749	3.02	66.14	28.42	0.35
Reach	9586	PF 4	500.00	5046.37	5052.63		5052.86	0.001668	3.80	131.67	38.46	0.36
Reach	9586	PF 5	1000.00	5046.37	5054.62		5054.96	0.001625	4.69	213.02	43.24	0.37
Reach	9586	PF 6	1890.00	5046.37	5057.21		5057.71	0.001619	5.68	332.95	49.39	0.39
Reach	9586	PF 7	4060.00	5046.37	5061.51		5062.31	0.001645	7.16	567.91	399.51	0.41
Reach	9586	PF 8	7100.00	5046.37	5065.92		5066.11	0.000411	4.57	3133.69	1109.17	0.22
Reach	9586	PF 9	13580.00	5046.37	5065.36		5066.41	0.002205	10.30	2649.58	1096.49	0.50
Reach	9586	PF 10	20950.00	5046.37	5066.86		5067.76	0.002021	10.58	3965.30	1145.49	0.48
Reach	9586	PF 11	22220.00	5046.37	5067.04		5067.95	0.002056	10.76	4123.12	1151.15	0.49
Reach	9586	PF 12	37000.00	5046.37	5069.17		5070.07	0.001954	11.45	6122.98	1214.50	0.49
Reach	9586	PF 13	3612.00	5046.37	5060.77		5061.51	0.001652	6.89	524.09	334.84	0.40
Reach	9543	PF 1	50.00	5046.17	5048.79		5048.86	0.001388	2.01	24.87	16.45	0.29
Reach	9543	PF 2	100.00	5046.17	5049.58		5049.68	0.001613	2.55	39.24	20.25	0.32
Reach	9543	PF 3	200.00	5046.17	5050.60		5050.76	0.001843	3.20	62.57	25.33	0.36
Reach	9543	PF 4	500.00	5046.17	5052.49		5052.77	0.001961	4.27	117.13	31.46	0.39
Reach	9543	PF 5	1000.00	5046.17	5054.39		5054.87	0.002273	5.52	181.19	36.09	0.43
Reach	9543	PF 6	1890.00	5046.17	5056.90		5057.60	0.002455	6.75	280.04	42.95	0.47
Reach	9543	PF 7	4060.00	5046.17	5061.11		5062.19	0.002450	8.37	487.09	369.66	0.49
Reach	9543	PF 8	7100.00	5046.17	5065.92		5066.09	0.000404	4.51	3205.24	1103.82	0.21
Reach	9543	PF 9	13580.00	5046.17	5065.36		5066.28	0.002162	10.14	2742.67	1091.41	0.49
Reach	9543	PF 10	20950.00	5046.17	5066.83		5067.66	0.002032	10.53	3978.18	1136.42	0.48
Reach	9543	PF 11	22220.00	5046.17	5067.00		5067.85	0.002076	10.73	4125.21	1141.58	0.49
Reach	9543	PF 12	37000.00	5046.17	5069.10		5069.99	0.002032	11.58	6013.78	1204.29	0.49
Reach	9543	PF 13	3612.00	5046.17	5060.38		5061.40	0.002522	8.09	446.27	243.38	0.49
Reach	9499	PF 1	50.00	5045.89	5048.63		5048.76	0.003389	2.89	17.31	12.20	0.43
Reach	9499	PF 2	100.00	5045.89	5049.35		5049.56	0.004008	3.70	27.06	14.85	0.48
Reach	9499	PF 3	200.00	5045.89	5050.28		5050.62	0.004861	4.69	42.64	18.93	0.55
Reach	9499	PF 4	500.00	5045.89	5052.11		5052.61	0.005697	5.72	87.34	33.22	0.62
Reach	9499	PF 5	1000.00	5045.89	5054.20		5054.74	0.003507	5.91	169.31	42.33	0.52
Reach	9499	PF 6	1890.00	5045.89	5056.82		5057.48	0.002614	6.53	292.65	53.03	0.47
Reach	9499	PF 7	4060.00	5045.89	5061.14		5062.04	0.002013	7.68	548.60	406.23	0.44
Reach	9499	PF 8	7100.00	5045.89	5065.92		5066.07	0.000363	4.23	3265.55	1094.99	0.20

Reach	9499	PF 9	13580.00	5045.89	5065.37		5066.16	0.001883	9.38	2839.23	1083.76	0.46
Reach	9499	PF 10	20950.00	5045.89	5066.77		5067.57	0.001932	10.16	3943.44	1118.76	0.47
Reach	9499	PF 11	22220.00	5045.89	5066.93		5067.76	0.001993	10.39	4072.29	1122.24	0.48
Reach	9499	PF 12	37000.00	5045.89	5068.94		5069.89	0.002119	11.67	5727.13	1163.30	0.50
Reach	9499	PF 13	3612.00	5045.89	5060.40		5061.24	0.002059	7.45	501.34	359.05	0.44
Reach	9431	PF 1	50.00	5045.93	5048.58	5047.44	5048.62	0.000980	1.59	31.52	23.56	0.24
Reach	9431	PF 2	100.00	5045.93	5049.34	5047.91	5049.40	0.000985	1.97	50.75	27.18	0.25
Reach	9431	PF 3	200.00	5045.93	5050.31	5048.55	5050.41	0.001104	2.52	79.35	31.63	0.28
Reach	9431	PF 4	500.00	5045.93	5052.17	5049.68	5052.35	0.001319	3.38	147.95	42.97	0.32
Reach	9431	PF 5	1000.00	5045.93	5054.26	5051.04	5054.52	0.001236	4.05	246.61	51.18	0.33
Reach	9431	PF 6	1890.00	5045.93	5056.92	5052.73	5057.27	0.001125	4.79	395.02	60.15	0.33
Reach	9431	PF 7	4060.00	5045.93	5061.27	5055.39	5061.85	0.001030	6.12	691.32	467.68	0.33
Reach	9431	PF 8	7100.00	5045.93	5065.91	5058.00	5066.04	0.000255	3.88	3444.34	1087.71	0.17
Reach	9431	PF 9	13580.00	5045.93	5065.35	5064.08	5066.02	0.001252	8.39	3047.43	1073.34	0.39
Reach	9431	PF 10	20950.00	5045.93	5066.64	5065.24	5067.45	0.001538	9.83	3972.35	1100.84	0.43
Reach	9431	PF 11	22220.00	5045.93	5066.77	5065.39	5067.63	0.001622	10.15	4070.44	1103.26	0.45
Reach	9431	PF 12	37000.00	5045.93	5068.58	5066.94	5069.74	0.002059	12.28	5429.60	1139.53	0.51
Reach	9431	PF 13	3612.00	5045.93	5060.52	5054.91	5061.05	0.001033	5.86	629.24	396.00	0.33
Reach	9345	PF 1	50.00	5046.13	5047.89	5047.89	5048.35	0.019213	5.48	9.13	9.50	0.98
Reach	9345	PF 2	100.00	5046.13	5048.49	5048.49	5049.12	0.017651	6.34	15.76	12.30	0.99
Reach	9345	PF 3	200.00	5046.13	5049.30	5049.30	5050.10	0.016528	7.16	27.94	17.38	0.99
Reach	9345	PF 4	500.00	5046.13	5050.71	5050.71	5051.97	0.014485	9.03	55.36	21.40	0.99
Reach	9345	PF 5	1000.00	5046.13	5052.32	5052.32	5054.11	0.013352	10.76	92.97	25.32	0.99
Reach	9345	PF 6	1890.00	5046.13	5054.38	5054.38	5056.83	0.012649	12.58	150.24	30.33	1.00
Reach	9345	PF 7	4060.00	5046.13	5057.95	5057.95	5061.36	0.010451	14.87	278.95	42.75	0.96
Reach	9345	PF 8	7100.00	5046.13	5061.26	5061.26	5065.56	0.008600	17.08	474.80	606.23	0.92
Reach	9345	PF 9	13580.00	5046.13	5064.41	5064.41	5065.79	0.003432	12.83	2156.89	1019.74	0.61
Reach	9345	PF 10	20950.00	5046.13	5065.27	5065.27	5067.14	0.004740	15.70	2681.84	1049.70	0.72
Reach	9345	PF 11	22220.00	5046.13	5065.65	5065.65	5067.34	0.004269	15.16	2928.55	1069.10	0.69
Reach	9345	PF 12	37000.00	5046.13	5067.05	5067.05	5069.36	0.005626	18.46	3848.68	1104.32	0.80
Reach	9345	PF 13	3612.00	5046.13	5057.28	5057.28	5060.57	0.010956	14.58	251.26	40.16	0.97
Reach	9272.528	PF 1	50.00	5045.48	5046.21	5046.04	5046.36	0.009282	3.13	15.95	23.46	0.67
Reach	9272.528	PF 2	100.00	5045.48	5046.58	5046.34	5046.83	0.009226	4.01	24.91	25.01	0.71
Reach	9272.528	PF 3	200.00	5045.48	5047.40	5046.87	5047.68	0.005374	4.26	46.96	28.47	0.58
Reach	9272.528	PF 4	500.00	5045.48	5048.09	5047.95	5048.84	0.012217	6.96	71.87	38.62	0.90
Reach	9272.528	PF 5	1000.00	5045.48	5049.03	5049.03	5050.31	0.013446	9.07	110.21	42.41	0.99
Reach	9272.528	PF 6	1890.00	5045.48	5050.47	5050.47	5052.27	0.012251	10.78	175.35	48.16	1.00
Reach	9272.528	PF 7	4060.00	5045.48	5053.55	5053.04	5055.73	0.008369	11.85	342.53	60.47	0.88
Reach	9272.528	PF 8	7100.00	5045.48	5056.80	5055.62	5059.29	0.006508	12.67	560.48	73.49	0.81
Reach	9272.528	PF 9	13580.00	5045.48	5059.89	5059.89	5064.28	0.008682	16.83	815.69	497.90	0.96
Reach	9272.528	PF 10	20950.00	5045.48	5063.71	5063.71	5065.93	0.003699	13.64	2383.24	995.08	0.66
Reach	9272.528	PF 11	22220.00	5045.48	5063.96	5063.96	5066.20	0.003704	13.82	2515.07	1004.23	0.67
Reach	9272.528	PF 12	37000.00	5045.48	5066.68	5066.03	5068.78	0.003222	14.59	4020.44	1087.04	0.64
Reach	9272.528	PF 13	3612.00	5045.48	5052.81	5052.57	5055.08	0.009720	12.08	298.91	57.52	0.93
Reach	9230.287	PF 1	50.00	5045.09	5045.83	5045.65	5045.98	0.008697	3.07	16.29	23.52	0.65
Reach	9230.287	PF 2	100.00	5045.09	5046.21	5045.97	5046.45	0.008740	3.94	25.35	25.08	0.69
Reach	9230.287	PF 3	200.00	5045.09	5047.18	5046.48	5047.39	0.007979	3.72	53.82	54.54	0.66
Reach	9230.287	PF 4	500.00	5045.09	5047.75	5047.58	5048.28	0.011113	5.81	85.99	56.85	0.83
Reach	9230.287	PF 5	1000.00	5045.09	5048.44	5048.38	5049.42	0.013396	7.95	125.79	59.58	0.96
Reach	9230.287	PF 6	1890.00	5045.09	5050.48	5049.51	5051.33	0.005391	7.38	256.06	67.77	0.67
Reach	9230.287	PF 7	4060.00	5045.09	5054.28	5051.60	5055.15	0.002726	7.49	541.96	82.94	0.52
Reach	9230.287	PF 8	7100.00	5045.09	5057.62	5053.83	5058.72	0.002377	8.44	841.19	96.30	0.50
Reach	9230.287	PF 9	13580.00	5045.09	5059.11	5057.40	5062.03	0.005442	13.72	992.60	392.26	0.77
Reach	9230.287	PF 10	20950.00	5045.09	5062.53	5062.53	5065.25	0.003948	13.93	1981.77	946.99	0.69
Reach	9230.287	PF 11	22220.00	5045.09	5062.87	5062.87	5065.58	0.003881	14.05	2128.78	956.79	0.69
Reach	9230.287	PF 12	37000.00	5045.09	5065.34	5065.34	5068.52	0.004161	16.33	3238.86	1026.43	0.73
Reach	9230.287	PF 13	3612.00	5045.09	5053.58	5051.24	5054.44	0.002972	7.44	485.22	80.16	0.53
Reach	9181.677	PF 1	50.00	5044.66	5045.39	5045.22	5045.54	0.009198	3.13	16.00	23.46	0.67

Reach	9181.677	PF 2	100.00	5044.66	5045.76	5045.55	5046.01	0.009226	4.01	24.91	25.01	0.71
Reach	9181.677	PF 3	200.00	5044.66	5046.79	5046.05	5046.97	0.008924	3.40	58.89	74.62	0.67
Reach	9181.677	PF 4	500.00	5044.66	5047.30	5047.11	5047.71	0.010842	5.13	97.42	76.66	0.80
Reach	9181.677	PF 5	1000.00	5044.66	5048.40	5047.80	5048.86	0.005655	5.44	183.93	81.05	0.64
Reach	9181.677	PF 6	1890.00	5044.66	5050.64	5048.71	5051.03	0.002173	5.03	375.89	90.02	0.43
Reach	9181.677	PF 7	4060.00	5044.66	5054.48	5050.45	5054.94	0.001251	5.41	751.05	105.38	0.36
Reach	9181.677	PF 8	7100.00	5044.66	5057.88	5052.32	5058.49	0.001156	6.27	1132.76	216.82	0.36
Reach	9181.677	PF 9	13580.00	5044.66	5059.95	5055.48	5061.44	0.002362	9.78	1403.65	638.28	0.52
Reach	9181.677	PF 10	20950.00	5044.66	5061.72	5058.26	5064.00	0.003184	12.40	1950.03	910.58	0.62
Reach	9181.677	PF 11	22220.00	5044.66	5061.92	5058.74	5064.35	0.003331	12.82	2025.14	917.30	0.64
Reach	9181.677	PF 12	37000.00	5044.66	5064.37	5064.01	5067.83	0.004113	16.02	2919.23	1006.06	0.73
Reach	9181.677	PF 13	3612.00	5044.66	5053.78	5050.14	5054.22	0.001339	5.33	678.14	102.58	0.37
Reach	9130.546	PF 1	50.00	5044.19	5044.93	5044.75	5045.08	0.008873	3.09	16.18	23.50	0.66
Reach	9130.546	PF 2	100.00	5044.19	5045.30	5045.08	5045.55	0.008793	3.95	25.30	25.07	0.69
Reach	9130.546	PF 3	200.00	5044.19	5046.36	5045.58	5046.51	0.008650	3.08	64.96	93.38	0.65
Reach	9130.546	PF 4	500.00	5044.19	5046.83	5046.63	5047.15	0.009949	4.59	108.90	95.24	0.76
Reach	9130.546	PF 5	1000.00	5044.19	5048.38	5047.21	5048.61	0.002341	3.82	261.95	101.47	0.42
Reach	9130.546	PF 6	1890.00	5044.19	5050.69	5048.01	5050.91	0.001052	3.73	506.80	110.70	0.31
Reach	9130.546	PF 7	4060.00	5044.19	5054.56	5049.47	5054.84	0.000685	4.21	965.23	126.18	0.27
Reach	9130.546	PF 8	7100.00	5044.19	5058.00	5051.20	5058.38	0.000667	4.99	1422.26	327.16	0.28
Reach	9130.546	PF 9	13580.00	5044.19	5060.25	5054.00	5061.18	0.001328	7.73	1817.68	824.77	0.40
Reach	9130.546	PF 10	20950.00	5044.19	5062.19	5056.57	5063.63	0.001813	9.82	2381.12	848.34	0.47
Reach	9130.546	PF 11	22220.00	5044.19	5062.42	5056.99	5063.96	0.001911	10.17	2449.94	850.66	0.49
Reach	9130.546	PF 12	37000.00	5044.19	5064.80	5062.17	5067.40	0.002779	13.55	3177.57	1018.82	0.60
Reach	9130.546	PF 13	3612.00	5044.19	5053.85	5049.26	5054.12	0.000722	4.12	877.19	123.36	0.27
Reach	9079.769	PF 1	50.00	5043.74	5044.47	5044.29	5044.62	0.009157	3.12	16.02	23.47	0.67
Reach	9079.769	PF 2	100.00	5043.74	5044.84	5044.63	5045.09	0.009171	4.01	24.96	25.02	0.71
Reach	9079.769	PF 3	200.00	5043.74	5045.91	5045.13	5046.05	0.009102	2.96	67.55	107.09	0.66
Reach	9079.769	PF 4	500.00	5043.74	5046.44	5046.16	5046.69	0.007516	4.00	125.05	109.21	0.66
Reach	9079.769	PF 5	1000.00	5043.74	5048.37	5046.69	5048.50	0.001158	2.92	342.34	116.90	0.30
Reach	9079.769	PF 6	1890.00	5043.74	5050.70	5047.42	5050.84	0.000618	3.02	626.27	126.24	0.24
Reach	9079.769	PF 7	4060.00	5043.74	5054.59	5048.82	5054.78	0.000448	3.54	1147.23	141.79	0.22
Reach	9079.769	PF 8	7100.00	5043.74	5058.04	5050.31	5058.32	0.000457	4.28	1660.40	351.38	0.23
Reach	9079.769	PF 9	13580.00	5043.74	5060.37	5052.96	5061.05	0.000910	6.66	2089.61	806.27	0.33
Reach	9079.769	PF 10	20950.00	5043.74	5062.32	5055.37	5063.46	0.001308	8.66	2580.54	830.03	0.41
Reach	9079.769	PF 11	22220.00	5043.74	5062.56	5055.69	5063.78	0.001389	9.01	2640.58	832.25	0.42
Reach	9079.769	PF 12	37000.00	5043.74	5064.90	5059.66	5067.17	0.002243	12.44	3250.86	854.35	0.55
Reach	9079.769	PF 13	3612.00	5043.74	5053.88	5048.57	5054.07	0.000466	3.45	1047.84	138.96	0.22
Reach	9034.939	PF 1	50.00	5043.33	5044.06	5043.89	5044.21	0.009136	3.12	16.03	23.47	0.66
Reach	9034.939	PF 2	100.00	5043.33	5044.43	5044.22	5044.68	0.009047	3.99	25.07	25.03	0.70
Reach	9034.939	PF 3	200.00	5043.33	5045.52	5044.70	5045.63	0.008939	2.78	71.99	123.84	0.64
Reach	9034.939	PF 4	500.00	5043.33	5046.32	5045.73	5046.45	0.003163	2.89	172.75	127.05	0.44
Reach	9034.939	PF 5	1000.00	5043.33	5048.37	5046.22	5048.45	0.000620	2.27	441.32	135.24	0.22
Reach	9034.939	PF 6	1890.00	5043.33	5050.71	5046.89	5050.81	0.000390	2.46	769.77	144.63	0.19
Reach	9034.939	PF 7	4060.00	5043.33	5054.61	5048.16	5054.75	0.000318	2.98	1364.01	160.23	0.18
Reach	9034.939	PF 8	7100.00	5043.33	5058.08	5049.55	5058.28	0.000343	3.65	1943.09	370.97	0.19
Reach	9034.939	PF 9	13580.00	5043.33	5060.46	5051.97	5060.96	0.000698	5.72	2408.76	727.94	0.28
Reach	9034.939	PF 10	20950.00	5043.33	5062.45	5054.20	5063.33	0.001043	7.54	2876.30	823.03	0.35
Reach	9034.939	PF 11	22220.00	5043.33	5062.70	5054.55	5063.64	0.001112	7.85	2934.31	825.44	0.36
Reach	9034.939	PF 12	37000.00	5043.33	5065.12	5058.17	5066.95	0.001877	11.02	3524.08	849.34	0.47
Reach	9034.939	PF 13	3612.00	5043.33	5053.90	5047.91	5054.03	0.000326	2.89	1251.34	157.39	0.18
Reach	8988.496	PF 1	50.00	5042.91	5043.65	5043.47	5043.80	0.008933	3.10	16.15	23.49	0.66
Reach	8988.496	PF 2	100.00	5042.91	5044.03	5043.80	5044.27	0.008535	3.91	25.55	25.11	0.68
Reach	8988.496	PF 3	200.00	5042.91	5045.10	5044.25	5045.21	0.008934	2.72	73.66	131.15	0.64
Reach	8988.496	PF 4	500.00	5042.91	5046.27	5045.31	5046.34	0.001344	2.18	229.63	135.82	0.30
Reach	8988.496	PF 5	1000.00	5042.91	5048.36	5045.76	5048.42	0.000385	1.91	522.77	144.20	0.18
Reach	8988.496	PF 6	1890.00	5042.91	5050.71	5046.40	5050.79	0.000278	2.16	873.15	153.61	0.16
Reach	8988.496	PF 7	4060.00	5042.91	5054.62	5047.61	5054.73	0.000247	2.70	1503.12	169.22	0.16
Reach	8988.496	PF 8	7100.00	5042.91	5058.08	5049.00	5058.26	0.000276	3.36	2114.17	306.67	0.17

Reach	8988.496	PF 9	13580.00	5042.91	5060.48	5051.32	5060.91	0.000567	5.29	2586.98	539.26	0.25
Reach	8988.496	PF 10	20950.00	5042.91	5062.48	5053.50	5063.25	0.000871	7.06	3017.35	583.47	0.32
Reach	8988.496	PF 11	22220.00	5042.91	5062.73	5053.83	5063.56	0.000933	7.36	3070.78	588.84	0.33
Reach	8988.496	PF 12	37000.00	5042.91	5065.14	5057.32	5066.82	0.001632	10.49	3612.16	655.17	0.44
Reach	8988.496	PF 13	3612.00	5042.91	5053.91	5047.41	5054.01	0.000250	2.61	1383.99	166.38	0.16
Reach	8948.969	PF 1	50.00	5042.56	5043.30	5043.13	5043.45	0.000893	3.09	16.17	23.49	0.66
Reach	8948.969	PF 2	100.00	5042.56	5043.74	5043.43	5043.96	0.007145	3.70	27.06	25.37	0.63
Reach	8948.969	PF 3	200.00	5042.56	5044.74	5043.95	5044.85	0.009384	2.66	75.10	142.93	0.65
Reach	8948.969	PF 4	500.00	5042.56	5046.25	5044.94	5046.29	0.000659	1.69	295.22	148.96	0.21
Reach	8948.969	PF 5	1000.00	5042.56	5048.36	5045.37	5048.40	0.000247	1.62	618.26	157.40	0.14
Reach	8948.969	PF 6	1890.00	5042.56	5050.72	5045.99	5050.77	0.000197	1.89	1000.26	166.82	0.14
Reach	8948.969	PF 7	4060.00	5042.56	5054.62	5047.15	5054.71	0.000187	2.41	1682.69	182.45	0.14
Reach	8948.969	PF 8	7100.00	5042.56	5058.10	5048.40	5058.24	0.000215	3.03	2340.68	220.12	0.15
Reach	8948.969	PF 9	13580.00	5042.56	5060.51	5050.64	5060.87	0.000458	4.80	2826.24	435.82	0.23
Reach	8948.969	PF 10	20950.00	5042.56	5062.54	5052.72	5063.18	0.000735	6.44	3251.78	482.03	0.29
Reach	8948.969	PF 11	22220.00	5042.56	5062.79	5053.03	5063.49	0.000790	6.72	3305.01	486.90	0.30
Reach	8948.969	PF 12	37000.00	5042.56	5065.25	5056.38	5066.69	0.001435	9.62	3847.46	536.08	0.41
Reach	8948.969	PF 13	3612.00	5042.56	5053.91	5046.90	5054.00	0.000188	2.32	1553.98	179.61	0.14
Reach	8905.749	PF 1	50.00	5042.17	5042.90	5042.72	5043.05	0.009198	3.13	16.00	23.46	0.67
Reach	8905.749	PF 2	100.00	5042.17	5043.56	5043.04	5043.71	0.004150	3.09	32.31	26.22	0.49
Reach	8905.749	PF 3	200.00	5042.17	5044.39	5043.54	5044.48	0.007656	2.50	79.93	143.16	0.59
Reach	8905.749	PF 4	500.00	5042.17	5046.24	5044.56	5046.27	0.000380	1.42	352.01	150.57	0.16
Reach	8905.749	PF 5	1000.00	5042.17	5048.35	5044.98	5048.39	0.000190	1.47	679.69	159.04	0.13
Reach	8905.749	PF 6	1890.00	5042.17	5050.71	5045.60	5050.76	0.000170	1.77	1065.72	168.47	0.12
Reach	8905.749	PF 7	4060.00	5042.17	5054.62	5046.66	5054.70	0.000177	2.31	1754.68	184.10	0.13
Reach	8905.749	PF 8	7100.00	5042.17	5058.09	5048.03	5058.23	0.000212	2.94	2418.40	198.00	0.15
Reach	8905.749	PF 9	13580.00	5042.17	5060.51	5050.27	5060.84	0.000459	4.67	2907.33	283.38	0.22
Reach	8905.749	PF 10	20950.00	5042.17	5062.53	5052.31	5063.14	0.000740	6.28	3335.34	327.57	0.28
Reach	8905.749	PF 11	22220.00	5042.17	5062.77	5052.62	5063.44	0.000796	6.56	3388.87	333.20	0.29
Reach	8905.749	PF 12	37000.00	5042.17	5065.23	5056.02	5066.61	0.001452	9.41	3933.32	397.09	0.40
Reach	8905.749	PF 13	3612.00	5042.17	5053.91	5046.54	5053.99	0.000175	2.22	1624.80	181.26	0.13
Reach	8851.856	PF 1	50.00	5041.68	5042.54	5042.26	5042.65	0.005775	2.73	18.30	23.07	0.54
Reach	8851.856	PF 2	100.00	5041.68	5043.45	5042.59	5043.54	0.001952	2.44	40.96	26.75	0.35
Reach	8851.856	PF 3	200.00	5041.68	5044.27	5043.09	5044.31	0.001506	1.55	129.36	139.93	0.28
Reach	8851.856	PF 4	500.00	5041.68	5046.23	5044.09	5046.25	0.000224	1.22	410.53	147.48	0.13
Reach	8851.856	PF 5	1000.00	5041.68	5048.35	5044.53	5048.38	0.000146	1.37	731.96	155.66	0.11
Reach	8851.856	PF 6	1890.00	5041.68	5050.71	5045.14	5050.75	0.000146	1.70	1109.64	164.75	0.12
Reach	8851.856	PF 7	4060.00	5041.68	5054.61	5046.34	5054.69	0.000164	2.28	1782.73	179.82	0.13
Reach	8851.856	PF 8	7100.00	5041.68	5058.08	5047.65	5058.22	0.000204	2.92	2430.17	193.21	0.15
Reach	8851.856	PF 9	13580.00	5041.68	5060.48	5049.90	5060.82	0.000449	4.68	2904.09	202.46	0.22
Reach	8851.856	PF 10	20950.00	5041.68	5062.48	5052.02	5063.10	0.000734	6.32	3316.71	210.17	0.28
Reach	8851.856	PF 11	22220.00	5041.68	5062.72	5052.34	5063.40	0.000791	6.60	3367.93	211.11	0.29
Reach	8851.856	PF 12	37000.00	5041.68	5065.11	5055.78	5066.52	0.001471	9.53	3883.64	220.33	0.40
Reach	8851.856	PF 13	3612.00	5041.68	5053.90	5046.07	5053.98	0.000161	2.18	1655.94	177.08	0.13
Reach	8798.628	PF 1	50.00	5041.20	5042.54	5041.78	5042.59	0.000332	1.67	29.96	25.03	0.27
Reach	8798.628	PF 2	100.00	5041.20	5043.45	5042.11	5043.48	0.000441	1.22	82.17	138.67	0.28
Reach	8798.628	PF 3	200.00	5041.20	5044.27	5042.61	5044.29	0.000099	1.01	197.29	141.98	0.15
Reach	8798.628	PF 4	500.00	5041.20	5046.23	5043.60	5046.25	0.000034	1.04	482.67	149.88	0.10
Reach	8798.628	PF 5	1000.00	5041.20	5048.35	5044.05	5048.37	0.000026	1.24	809.66	158.45	0.10
Reach	8798.628	PF 6	1890.00	5041.20	5050.71	5044.67	5050.75	0.000028	1.58	1194.49	167.97	0.10
Reach	8798.628	PF 7	4060.00	5041.20	5054.62	5045.85	5054.69	0.000032	2.16	1881.68	183.74	0.12
Reach	8798.628	PF 8	7100.00	5041.20	5058.09	5047.16	5058.21	0.000040	2.79	2544.11	197.77	0.14
Reach	8798.628	PF 9	13580.00	5041.20	5060.49	5049.43	5060.80	0.000087	4.48	3030.86	207.47	0.21
Reach	8798.628	PF 10	20950.00	5041.20	5062.50	5051.52	5063.07	0.000142	6.06	3455.77	215.58	0.27
Reach	8798.628	PF 11	22220.00	5041.20	5062.74	5051.83	5063.37	0.000153	6.33	3508.73	216.57	0.28
Reach	8798.628	PF 12	37000.00	5041.20	5065.16	5055.25	5066.46	0.000280	9.15	4043.97	226.33	0.38
Reach	8798.628	PF 13	3612.00	5041.20	5053.91	5045.64	5053.97	0.000032	2.06	1752.16	180.88	0.12

Reach 8696 Bridge

Reach	8648.071	PF 1	50.00	5040.80	5042.08		5042.13	0.000387	1.75	28.51	24.79	0.29
Reach	8648.071	PF 2	100.00	5040.80	5042.95		5042.98	0.000824	1.47	68.04	138.25	0.37
Reach	8648.071	PF 3	200.00	5040.80	5043.82		5043.83	0.000113	1.06	189.36	141.71	0.16
Reach	8648.071	PF 4	500.00	5040.80	5045.70		5045.72	0.000038	1.08	463.61	149.23	0.11
Reach	8648.071	PF 5	1000.00	5040.80	5047.74		5047.76	0.000030	1.29	775.49	157.34	0.10
Reach	8648.071	PF 6	1890.00	5040.80	5050.12		5050.16	0.000030	1.63	1161.08	166.83	0.11
Reach	8648.071	PF 7	4060.00	5040.80	5054.09		5054.17	0.000033	2.19	1855.75	182.68	0.12
Reach	8648.071	PF 8	7100.00	5040.80	5057.60		5057.72	0.000041	2.82	2520.72	196.66	0.14
Reach	8648.071	PF 9	13580.00	5040.80	5060.00		5060.31	0.000089	4.52	3003.88	206.23	0.21
Reach	8648.071	PF 10	20950.00	5040.80	5061.99		5062.57	0.000145	6.12	3423.16	214.18	0.27
Reach	8648.071	PF 11	22220.00	5040.80	5062.23		5062.87	0.000156	6.39	3475.15	215.15	0.28
Reach	8648.071	PF 12	37000.00	5040.80	5064.60		5065.93	0.000289	9.26	3995.96	224.60	0.39
Reach	8648.071	PF 13	3612.00	5040.80	5053.37		5053.44	0.000033	2.09	1725.65	179.82	0.12
Reach	8617.335	PF 1	50.00	5040.68	5042.07		5042.11	0.001858	1.61	31.07	25.21	0.26
Reach	8617.335	PF 2	100.00	5040.68	5042.91		5042.94	0.003097	1.26	79.32	138.54	0.29
Reach	8617.335	PF 3	200.00	5040.68	5043.81		5043.83	0.000538	0.97	205.56	142.01	0.14
Reach	8617.335	PF 4	500.00	5040.68	5045.70		5045.72	0.000213	1.04	480.62	149.27	0.10
Reach	8617.335	PF 5	1000.00	5040.68	5047.74		5047.76	0.000174	1.26	792.36	157.09	0.10
Reach	8617.335	PF 6	1890.00	5040.68	5050.12		5050.16	0.000180	1.61	1176.95	166.24	0.11
Reach	8617.335	PF 7	4060.00	5040.68	5054.09		5054.16	0.000203	2.17	1868.06	181.52	0.12
Reach	8617.335	PF 8	7100.00	5040.68	5057.60		5057.72	0.000253	2.81	2529.21	196.53	0.14
Reach	8617.335	PF 9	13580.00	5040.68	5059.99		5060.31	0.000558	4.51	3014.00	208.05	0.21
Reach	8617.335	PF 10	20950.00	5040.68	5061.98		5062.56	0.000918	6.09	3439.28	219.06	0.27
Reach	8617.335	PF 11	22220.00	5040.68	5062.23		5062.86	0.000989	6.36	3492.51	220.46	0.28
Reach	8617.335	PF 12	37000.00	5040.68	5064.60		5065.91	0.001844	9.18	4031.67	234.14	0.39
Reach	8617.335	PF 13	3612.00	5040.68	5053.37		5053.44	0.000199	2.08	1738.76	178.76	0.12
Reach	8574.424	PF 1	50.00	5040.51	5042.00	5041.08	5042.04	0.001367	1.44	34.65	26.27	0.22
Reach	8574.424	PF 2	100.00	5040.51	5042.81	5041.42	5042.83	0.002039	1.10	90.55	141.02	0.24
Reach	8574.424	PF 3	200.00	5040.51	5043.80	5041.90	5043.81	0.000372	0.86	231.50	144.91	0.12
Reach	8574.424	PF 4	500.00	5040.51	5045.69	5042.91	5045.71	0.000176	0.97	513.69	152.39	0.09
Reach	8574.424	PF 5	1000.00	5040.51	5047.73	5043.33	5047.75	0.000152	1.20	832.21	160.41	0.09
Reach	8574.424	PF 6	1890.00	5040.51	5050.11	5043.96	5050.15	0.000162	1.54	1224.95	169.78	0.10
Reach	8574.424	PF 7	4060.00	5040.51	5054.08	5045.13	5054.15	0.000187	2.10	1930.96	185.44	0.11
Reach	8574.424	PF 8	7100.00	5040.51	5057.59	5046.44	5057.71	0.000236	2.72	2608.40	498.63	0.13
Reach	8574.424	PF 9	13580.00	5040.51	5059.98	5048.64	5060.28	0.000513	4.36	3156.98	586.11	0.20
Reach	8574.424	PF 10	20950.00	5040.51	5061.98	5050.76	5062.51	0.000807	5.85	3652.40	617.90	0.26
Reach	8574.424	PF 11	22220.00	5040.51	5062.23	5051.07	5062.80	0.000865	6.10	3713.44	621.39	0.27
Reach	8574.424	PF 12	37000.00	5040.51	5064.63	5054.46	5065.79	0.001541	8.74	4325.11	662.42	0.36
Reach	8574.424	PF 13	3612.00	5040.51	5053.37	5044.90	5053.43	0.000183	2.01	1798.88	182.61	0.11
Reach	8524.689	PF 1	50.00	5040.31	5041.97	5040.87	5041.99	0.000560	1.26	39.60	27.36	0.18
Reach	8524.689	PF 2	100.00	5040.31	5042.76	5041.20	5042.78	0.000620	0.92	108.39	131.81	0.18
Reach	8524.689	PF 3	200.00	5040.31	5043.78	5041.70	5043.79	0.000171	0.82	245.18	135.90	0.11
Reach	8524.689	PF 4	500.00	5040.31	5045.69	5042.70	5045.70	0.000100	0.98	511.01	143.51	0.09
Reach	8524.689	PF 5	1000.00	5040.31	5047.72	5043.16	5047.75	0.000093	1.23	811.50	151.65	0.09
Reach	8524.689	PF 6	1890.00	5040.31	5050.10	5043.79	5050.14	0.000103	1.60	1183.28	161.16	0.10
Reach	8524.689	PF 7	4060.00	5040.31	5054.07	5045.03	5054.15	0.000122	2.19	1854.73	177.04	0.12
Reach	8524.689	PF 8	7100.00	5040.31	5057.57	5046.39	5057.70	0.000146	2.81	2626.54	746.35	0.14
Reach	8524.689	PF 9	13580.00	5040.31	5059.96	5048.74	5060.26	0.000302	4.44	3257.75	772.41	0.20
Reach	8524.689	PF 10	20950.00	5040.31	5061.96	5050.89	5062.48	0.000462	5.93	3829.67	836.04	0.25
Reach	8524.689	PF 11	22220.00	5040.31	5062.20	5051.25	5062.76	0.000493	6.19	3907.33	841.59	0.26
Reach	8524.689	PF 12	37000.00	5040.31	5064.61	5054.76	5065.72	0.000833	8.76	4737.46	902.90	0.35
Reach	8524.689	PF 13	3612.00	5040.31	5053.35	5044.80	5053.42	0.000119	2.09	1728.77	174.17	0.12
Reach	8439.949	PF 1	50.00	5039.97	5041.94	5040.53	5041.96	0.000309	1.03	48.32	28.67	0.14
Reach	8439.949	PF 2	100.00	5039.97	5042.73	5040.84	5042.74	0.000321	0.92	108.50	80.02	0.14
Reach	8439.949	PF 3	200.00	5039.97	5043.76	5041.36	5043.78	0.000201	1.03	193.56	84.17	0.12
Reach	8439.949	PF 4	500.00	5039.97	5045.66	5042.43	5045.69	0.000179	1.39	360.47	91.76	0.12
Reach	8439.949	PF 5	1000.00	5039.97	5047.68	5043.04	5047.73	0.000193	1.80	554.32	99.85	0.13

Reach	8439.949	PF 6	1890.00	5039.97	5050.04	5044.00	5050.12	0.000230	2.36	800.40	109.26	0.15
Reach	8439.949	PF 7	4060.00	5039.97	5053.96	5045.68	5054.12	0.000283	3.22	1259.99	124.96	0.18
Reach	8439.949	PF 8	7100.00	5039.97	5057.44	5047.55	5057.67	0.000306	3.94	2039.90	727.07	0.19
Reach	8439.949	PF 9	13580.00	5039.97	5059.70	5050.63	5060.20	0.000569	5.99	2696.27	754.33	0.27
Reach	8439.949	PF 10	20950.00	5039.97	5061.58	5053.41	5062.40	0.000819	7.76	3320.44	877.09	0.33
Reach	8439.949	PF 11	22220.00	5039.97	5061.80	5053.83	5062.68	0.000870	8.07	3399.29	892.21	0.34
Reach	8439.949	PF 12	37000.00	5039.97	5063.99	5058.87	5065.58	0.001413	11.13	4303.42	994.89	0.44
Reach	8439.949	PF 13	3612.00	5039.97	5053.25	5045.36	5053.40	0.000276	3.08	1172.39	122.13	0.18
Reach	8381.088	PF 1	50.00	5039.73	5041.93	5040.29	5041.94	0.000212	0.91	55.00	29.79	0.12
Reach	8381.088	PF 2	100.00	5039.73	5042.70	5040.62	5042.72	0.000291	1.27	79.04	32.86	0.14
Reach	8381.088	PF 3	200.00	5039.73	5043.71	5041.11	5043.76	0.000399	1.75	114.53	36.93	0.17
Reach	8381.088	PF 4	500.00	5039.73	5045.56	5042.17	5045.66	0.000603	2.64	189.39	44.30	0.23
Reach	8381.088	PF 5	1000.00	5039.73	5047.51	5043.44	5047.70	0.000790	3.53	283.40	52.10	0.27
Reach	8381.088	PF 6	1890.00	5039.73	5049.74	5045.07	5050.07	0.001027	4.61	410.03	61.05	0.31
Reach	8381.088	PF 7	4060.00	5039.73	5053.47	5047.88	5054.05	0.001275	6.10	665.41	75.96	0.36
Reach	8381.088	PF 8	7100.00	5039.73	5056.97	5050.65	5057.60	0.001119	6.67	1337.22	658.88	0.35
Reach	8381.088	PF 9	13580.00	5039.73	5058.93	5056.63	5060.08	0.001881	9.49	1883.48	768.70	0.47
Reach	8381.088	PF 10	20950.00	5039.73	5060.62	5058.61	5062.24	0.002395	11.63	2448.19	907.15	0.54
Reach	8381.088	PF 11	22220.00	5039.73	5060.65	5058.99	5062.50	0.002711	12.39	2462.06	907.85	0.57
Reach	8381.088	PF 12	37000.00	5039.73	5062.22	5062.22	5065.30	0.004226	16.57	3270.44	958.26	0.73
Reach	8381.088	PF 13	3612.00	5039.73	5052.79	5047.37	5053.33	0.001249	5.87	614.88	73.26	0.36
Reach	8330	PF 1	50.00	5039.53	5041.75	5041.23	5041.90	0.005047	3.13	15.99	14.44	0.52
Reach	8330	PF 2	100.00	5039.53	5042.47	5041.80	5042.67	0.004460	3.55	28.16	19.16	0.52
Reach	8330	PF 3	200.00	5039.53	5043.46	5042.52	5043.69	0.003990	3.90	51.34	28.09	0.51
Reach	8330	PF 4	500.00	5039.53	5045.25	5043.81	5045.58	0.002876	4.65	107.63	34.78	0.47
Reach	8330	PF 5	1000.00	5039.53	5047.12	5045.10	5047.60	0.002725	5.58	179.21	41.75	0.47
Reach	8330	PF 6	1890.00	5039.53	5049.21	5046.80	5049.95	0.002870	6.89	274.96	49.48	0.51
Reach	8330	PF 7	4060.00	5039.53	5052.67	5049.64	5053.89	0.002711	8.93	471.90	66.75	0.53
Reach	8330	PF 8	7100.00	5039.53	5056.45	5052.54	5057.49	0.001709	8.99	1174.40	641.07	0.45
Reach	8330	PF 9	13580.00	5039.53	5057.61	5057.61	5059.85	0.003607	13.86	1521.79	749.26	0.66
Reach	8330	PF 10	20950.00	5039.53	5059.81	5059.81	5062.04	0.003395	14.85	2407.50	907.71	0.66
Reach	8330	PF 11	22220.00	5039.53	5060.05	5060.05	5062.31	0.003434	15.09	2539.69	917.58	0.66
Reach	8330	PF 12	37000.00	5039.53	5062.22	5062.22	5064.80	0.003818	17.30	3826.46	990.78	0.71
Reach	8330	PF 13	3612.00	5039.53	5052.04	5049.15	5053.18	0.002778	8.60	430.97	62.91	0.53
Reach	8287	PF 1	50.00	5039.14	5041.55		5041.69	0.004451	3.07	16.31	13.56	0.49
Reach	8287	PF 2	100.00	5039.14	5042.27		5042.48	0.004355	3.62	27.65	17.65	0.51
Reach	8287	PF 3	200.00	5039.14	5043.24		5043.51	0.004163	4.23	47.29	23.08	0.52
Reach	8287	PF 4	500.00	5039.14	5045.03		5045.44	0.003740	5.12	97.66	33.01	0.52
Reach	8287	PF 5	1000.00	5039.14	5046.92		5047.47	0.003353	5.91	169.18	42.33	0.52
Reach	8287	PF 6	1890.00	5039.14	5049.06		5049.82	0.003226	7.01	270.14	51.83	0.53
Reach	8287	PF 7	4060.00	5039.14	5052.59		5053.76	0.002913	8.73	475.57	64.46	0.54
Reach	8287	PF 8	7100.00	5039.14	5056.56		5057.34	0.001514	7.91	1319.77	800.95	0.41
Reach	8287	PF 9	13580.00	5039.14	5057.03		5059.31	0.004371	13.81	1466.59	852.31	0.71
Reach	8287	PF 10	20950.00	5039.14	5059.12	5059.12	5061.15	0.003710	14.18	2523.83	933.10	0.67
Reach	8287	PF 11	22220.00	5039.14	5059.32	5059.32	5061.39	0.003777	14.45	2642.84	938.80	0.68
Reach	8287	PF 12	37000.00	5039.14	5061.03	5061.03	5063.70	0.004702	17.39	3708.24	980.44	0.77
Reach	8287	PF 13	3612.00	5039.14	5051.94		5053.04	0.002966	8.46	434.73	62.18	0.54
Reach	8248	PF 1	50.00	5038.95	5041.34		5041.50	0.005093	3.26	15.34	12.85	0.53
Reach	8248	PF 2	100.00	5038.95	5042.06		5042.29	0.004965	3.84	26.05	16.73	0.54
Reach	8248	PF 3	200.00	5038.95	5043.03		5043.34	0.004695	4.47	44.72	21.91	0.55
Reach	8248	PF 4	500.00	5038.95	5044.81		5045.27	0.004213	5.49	91.08	29.85	0.55
Reach	8248	PF 5	1000.00	5038.95	5046.65		5047.31	0.004005	6.52	153.47	36.86	0.56
Reach	8248	PF 6	1890.00	5038.95	5048.58		5049.64	0.004350	8.27	229.77	43.09	0.61
Reach	8248	PF 7	4060.00	5038.95	5051.62		5053.54	0.004703	11.24	380.05	55.89	0.68
Reach	8248	PF 8	7100.00	5038.95	5056.44		5057.27	0.001575	8.75	1577.89	870.21	0.42
Reach	8248	PF 9	13580.00	5038.95	5057.48	5057.48	5058.92	0.002923	12.53	2187.01	914.19	0.58
Reach	8248	PF 10	20950.00	5038.95	5058.54	5058.54	5060.29	0.003674	14.72	2846.14	936.19	0.66
Reach	8248	PF 11	22220.00	5038.95	5058.73	5058.73	5060.50	0.003715	14.93	2966.77	939.67	0.66
Reach	8248	PF 12	37000.00	5038.95	5060.26	5060.26	5062.61	0.004849	18.14	3957.28	983.52	0.77

Reach	8248	PF 13	3612.00	5038.95	5051.07		5052.83	0.004711	10.76	349.65	53.51	0.67
Reach	8217	PF 1	50.00	5038.80	5041.13		5041.32	0.006428	3.55	14.07	12.26	0.58
Reach	8217	PF 2	100.00	5038.80	5041.86		5042.12	0.005820	4.07	24.56	16.21	0.58
Reach	8217	PF 3	200.00	5038.80	5042.85		5043.18	0.005180	4.63	43.18	21.54	0.58
Reach	8217	PF 4	500.00	5038.80	5044.68		5045.14	0.004373	5.46	91.51	31.40	0.56
Reach	8217	PF 5	1000.00	5038.80	5046.57		5047.17	0.003924	6.22	160.73	41.91	0.56
Reach	8217	PF 6	1890.00	5038.80	5048.62		5049.44	0.003871	7.30	258.86	53.16	0.58
Reach	8217	PF 7	4060.00	5038.80	5051.96		5053.22	0.003399	9.06	455.33	64.60	0.58
Reach	8217	PF 8	7100.00	5038.80	5056.71	5052.16	5057.10	0.000866	6.13	2082.31	894.60	0.32
Reach	8217	PF 9	13580.00	5038.80	5056.92		5058.17	0.002767	11.08	2210.05	897.84	0.57
Reach	8217	PF 10	20950.00	5038.80	5057.69		5059.57	0.004157	14.16	2698.22	933.17	0.70
Reach	8217	PF 11	22220.00	5038.80	5057.80		5059.78	0.004397	14.64	2767.74	936.91	0.72
Reach	8217	PF 12	37000.00	5038.80	5059.66	5059.66	5061.89	0.004685	16.55	4041.80	1009.58	0.76
Reach	8217	PF 13	3612.00	5038.80	5051.34		5052.53	0.003473	8.78	416.39	62.48	0.58
Reach	8177	PF 1	50.00	5038.36	5040.57		5040.94	0.013646	4.91	10.18	9.21	0.82
Reach	8177	PF 2	100.00	5038.36	5041.27		5041.77	0.012669	5.68	17.61	12.12	0.83
Reach	8177	PF 3	200.00	5038.36	5042.17		5042.85	0.011891	6.60	30.32	15.90	0.84
Reach	8177	PF 4	500.00	5038.36	5043.82	5043.51	5044.82	0.010993	8.05	62.13	22.79	0.86
Reach	8177	PF 5	1000.00	5038.36	5045.20	5045.20	5046.81	0.013669	10.17	98.37	30.16	0.99
Reach	8177	PF 6	1890.00	5038.36	5047.03	5047.03	5049.07	0.012655	11.46	165.42	42.48	1.00
Reach	8177	PF 7	4060.00	5038.36	5049.88	5049.88	5052.83	0.010323	13.93	301.66	51.97	0.96
Reach	8177	PF 8	7100.00	5038.36	5052.77	5052.77	5056.67	0.009088	16.20	467.27	62.76	0.95
Reach	8177	PF 9	13580.00	5038.36	5056.73	5056.73	5058.04	0.003091	12.06	2271.32	929.46	0.59
Reach	8177	PF 10	20950.00	5038.36	5057.69	5057.69	5059.32	0.003954	14.30	2933.98	965.14	0.68
Reach	8177	PF 11	22220.00	5038.36	5057.85	5057.85	5059.52	0.004058	14.59	3044.49	972.74	0.69
Reach	8177	PF 12	37000.00	5038.36	5059.31	5059.31	5061.46	0.005083	17.44	4130.23	1031.21	0.78
Reach	8177	PF 13	3612.00	5038.36	5049.37	5049.37	5052.15	0.010525	13.49	275.91	50.16	0.97
Reach	8135	PF 1	50.00	5037.94	5040.43		5040.58	0.004309	3.07	16.30	13.12	0.48
Reach	8135	PF 2	100.00	5037.94	5041.20		5041.40	0.004109	3.59	27.86	17.09	0.50
Reach	8135	PF 3	200.00	5037.94	5042.18		5042.46	0.004020	4.24	47.19	22.18	0.51
Reach	8135	PF 4	500.00	5037.94	5043.96		5044.39	0.003890	5.27	94.91	31.40	0.53
Reach	8135	PF 5	1000.00	5037.94	5045.44		5046.16	0.004897	6.77	147.67	39.91	0.62
Reach	8135	PF 6	1890.00	5037.94	5047.16		5048.26	0.005968	8.39	225.29	51.43	0.71
Reach	8135	PF 7	4060.00	5037.94	5050.35		5051.88	0.004455	9.99	417.11	67.87	0.66
Reach	8135	PF 8	7100.00	5037.94	5053.25	5051.30	5055.42	0.004079	12.01	641.22	382.51	0.67
Reach	8135	PF 9	13580.00	5037.94	5056.44		5057.49	0.002144	10.47	2554.63	955.00	0.51
Reach	8135	PF 10	20950.00	5037.94	5057.21	5057.12	5058.73	0.003176	13.24	3118.22	975.12	0.62
Reach	8135	PF 11	22220.00	5037.94	5057.34		5058.92	0.003311	13.60	3218.24	989.57	0.64
Reach	8135	PF 12	37000.00	5037.94	5058.73		5060.85	0.004413	16.71	4326.55	1053.89	0.75
Reach	8135	PF 13	3612.00	5037.94	5049.75		5051.22	0.004756	9.73	377.61	65.16	0.67
Reach	8084	PF 1	50.00	5037.59	5040.26		5040.38	0.003335	2.80	17.87	13.41	0.43
Reach	8084	PF 2	100.00	5037.59	5041.02		5041.20	0.003478	3.38	29.60	17.27	0.45
Reach	8084	PF 3	200.00	5037.59	5042.00		5042.26	0.003641	4.09	48.92	22.20	0.49
Reach	8084	PF 4	500.00	5037.59	5043.80		5044.18	0.003955	4.94	101.30	37.47	0.53
Reach	8084	PF 5	1000.00	5037.59	5045.32		5045.89	0.004050	6.03	165.95	46.27	0.56
Reach	8084	PF 6	1890.00	5037.59	5047.06		5047.94	0.004250	7.51	251.70	52.51	0.60
Reach	8084	PF 7	4060.00	5037.59	5050.26		5051.62	0.003729	9.42	439.03	64.52	0.61
Reach	8084	PF 8	7100.00	5037.59	5053.08	5050.70	5055.20	0.003822	11.80	639.01	490.58	0.65
Reach	8084	PF 9	13580.00	5037.59	5056.09	5056.09	5057.35	0.002421	11.13	2442.34	1018.05	0.54
Reach	8084	PF 10	20950.00	5037.59	5057.07	5057.07	5058.55	0.003025	13.04	3250.17	1031.46	0.61
Reach	8084	PF 11	22220.00	5037.59	5057.20	5057.20	5058.73	0.003133	13.36	3361.97	1033.30	0.62
Reach	8084	PF 12	37000.00	5037.59	5058.58	5058.58	5060.58	0.004129	16.29	4546.44	1105.07	0.72
Reach	8084	PF 13	3612.00	5037.59	5049.66		5050.94	0.003912	9.13	401.01	62.41	0.61
Reach	8018	PF 1	50.00	5037.30	5039.98		5040.13	0.004210	3.10	16.11	12.03	0.47
Reach	8018	PF 2	100.00	5037.30	5040.69		5040.92	0.004781	3.87	25.83	15.24	0.52
Reach	8018	PF 3	200.00	5037.30	5041.60		5041.96	0.005404	4.82	41.49	19.32	0.58
Reach	8018	PF 4	500.00	5037.30	5043.18		5043.80	0.007585	6.31	79.23	32.42	0.71
Reach	8018	PF 5	1000.00	5037.30	5044.90		5045.56	0.005931	6.52	153.36	50.85	0.66

Reach	8018	PF 6	1890.00	5037.30	5046.82		5047.64	0.004182	7.30	261.65	60.46	0.60
Reach	8018	PF 7	4060.00	5037.30	5050.17		5051.35	0.002960	8.83	488.64	75.00	0.55
Reach	8018	PF 8	7100.00	5037.30	5053.18	5050.25	5054.85	0.002851	10.72	829.33	765.91	0.57
Reach	8018	PF 9	13580.00	5037.30	5055.48	5055.48	5056.66	0.002319	10.98	2605.39	1053.88	0.53
Reach	8018	PF 10	20950.00	5037.30	5056.33	5056.33	5057.80	0.003076	13.17	3370.93	1078.20	0.62
Reach	8018	PF 11	22220.00	5037.30	5056.45	5056.45	5057.97	0.003207	13.52	3480.45	1095.93	0.63
Reach	8018	PF 12	37000.00	5037.30	5057.81	5057.81	5059.66	0.003994	16.04	4801.95	1157.72	0.71
Reach	8018	PF 13	3612.00	5037.30	5049.54		5050.66	0.003123	8.59	442.48	72.21	0.56
Reach	7960	PF 1	50.00	5037.30	5039.88		5039.95	0.001789	2.07	24.18	18.72	0.32
Reach	7960	PF 2	100.00	5037.30	5040.62		5040.72	0.001876	2.50	39.94	24.05	0.34
Reach	7960	PF 3	200.00	5037.30	5041.57		5041.72	0.001955	3.02	66.13	30.94	0.36
Reach	7960	PF 4	500.00	5037.30	5043.23		5043.48	0.002114	3.96	126.28	41.74	0.40
Reach	7960	PF 5	1000.00	5037.30	5044.90		5045.26	0.002390	4.81	207.90	56.44	0.44
Reach	7960	PF 6	1890.00	5037.30	5046.86		5047.37	0.002262	5.75	330.91	68.74	0.45
Reach	7960	PF 7	4060.00	5037.30	5050.32		5051.10	0.001736	7.12	595.98	84.21	0.43
Reach	7960	PF 8	7100.00	5037.30	5053.61		5054.50	0.001431	8.06	1434.79	1054.64	0.41
Reach	7960	PF 9	13580.00	5037.30	5054.85	5054.85	5056.03	0.002139	10.53	2645.57	1132.63	0.52
Reach	7960	PF 10	20950.00	5037.30	5055.79	5055.79	5057.14	0.002643	12.26	3599.44	1163.54	0.58
Reach	7960	PF 11	22220.00	5037.30	5055.89	5055.89	5057.30	0.002777	12.63	3705.45	1171.14	0.60
Reach	7960	PF 12	37000.00	5037.30	5057.15	5057.15	5058.90	0.003579	15.19	5038.46	1200.04	0.69
Reach	7960	PF 13	3612.00	5037.30	5049.68		5050.41	0.001810	6.90	542.86	81.39	0.44
Reach	7782	PF 1	50.00	5037.04	5039.48		5039.57	0.002617	2.46	20.37	16.14	0.39
Reach	7782	PF 2	100.00	5037.04	5040.17		5040.32	0.002826	3.04	32.90	20.00	0.42
Reach	7782	PF 3	200.00	5037.04	5041.06		5041.28	0.003182	3.77	53.02	25.47	0.46
Reach	7782	PF 4	500.00	5037.04	5042.57		5042.97	0.003901	5.05	99.07	35.88	0.54
Reach	7782	PF 5	1000.00	5037.04	5044.09		5044.68	0.004324	6.21	161.16	46.25	0.59
Reach	7782	PF 6	1890.00	5037.04	5045.97		5046.83	0.003867	7.48	254.20	52.05	0.59
Reach	7782	PF 7	4060.00	5037.04	5049.20		5050.62	0.003374	9.59	435.29	59.51	0.59
Reach	7782	PF 8	7100.00	5037.04	5053.93		5054.14	0.000529	5.15	3233.18	1203.69	0.25
Reach	7782	PF 9	13580.00	5037.04	5053.71	5053.71	5054.68	0.002338	10.71	2981.84	1197.08	0.53
Reach	7782	PF 10	20950.00	5037.04	5054.38	5054.38	5055.62	0.003182	12.93	3755.55	1217.31	0.62
Reach	7782	PF 11	22220.00	5037.04	5055.64		5056.19	0.001482	9.37	5220.06	1248.77	0.43
Reach	7782	PF 12	37000.00	5037.04	5055.62	5055.62	5057.17	0.004156	15.68	5199.30	1248.34	0.72
Reach	7782	PF 13	3612.00	5037.04	5048.61		5049.92	0.003450	9.23	400.54	58.23	0.59
Reach	7604	PF 1	50.00	5036.69	5038.84		5038.98	0.004642	2.96	16.88	15.69	0.50
Reach	7604	PF 2	100.00	5036.69	5039.52		5039.70	0.004341	3.43	29.15	20.68	0.51
Reach	7604	PF 3	200.00	5036.69	5040.36		5040.62	0.004242	4.09	48.85	25.99	0.53
Reach	7604	PF 4	500.00	5036.69	5041.65		5042.16	0.005417	5.75	86.97	32.96	0.62
Reach	7604	PF 5	1000.00	5036.69	5042.71		5043.71	0.007917	8.04	124.43	37.56	0.78
Reach	7604	PF 6	1890.00	5036.69	5043.80	5043.80	5045.77	0.012106	11.26	167.90	41.64	0.99
Reach	7604	PF 7	4060.00	5036.69	5046.55	5046.55	5049.60	0.010448	14.06	292.93	49.27	0.98
Reach	7604	PF 8	7100.00	5036.69	5052.07	5051.72	5052.54	0.001288	7.26	2335.46	1137.63	0.37
Reach	7604	PF 9	13580.00	5036.69	5052.62	5052.62	5053.53	0.002723	10.88	2969.28	1157.92	0.55
Reach	7604	PF 10	20950.00	5036.69	5053.31	5053.31	5054.42	0.003520	12.84	3783.94	1185.37	0.63
Reach	7604	PF 11	22220.00	5036.69	5055.64		5055.91	0.000831	6.97	6643.84	1274.52	0.31
Reach	7604	PF 12	37000.00	5036.69	5054.22		5055.93	0.005519	16.83	4879.73	1219.29	0.80
Reach	7604	PF 13	3612.00	5036.69	5046.05	5046.05	5048.90	0.010628	13.57	269.01	47.95	0.98
Reach	7392	PF 1	50.00	5035.32	5037.42		5037.71	0.010713	4.33	11.55	11.02	0.74
Reach	7392	PF 2	100.00	5035.32	5038.00		5038.44	0.011504	5.29	18.92	14.10	0.80
Reach	7392	PF 3	200.00	5035.32	5038.75	5038.56	5039.40	0.012513	6.49	30.83	18.00	0.87
Reach	7392	PF 4	500.00	5035.32	5040.50	5040.38	5041.09	0.013819	6.16	81.11	57.07	0.91
Reach	7392	PF 5	1000.00	5035.32	5041.30	5041.20	5042.23	0.013156	7.72	129.53	62.57	0.95
Reach	7392	PF 6	1890.00	5035.32	5042.35	5042.34	5043.76	0.013317	9.53	198.31	70.42	1.00
Reach	7392	PF 7	4060.00	5035.32	5044.26	5044.26	5046.38	0.010888	11.73	354.12	90.76	0.98
Reach	7392	PF 8	7100.00	5035.32	5046.33	5046.33	5049.10	0.008806	13.59	557.86	118.67	0.94
Reach	7392	PF 9	13580.00	5035.32	5050.93	5050.93	5052.05	0.002507	10.35	2716.18	1171.96	0.55
Reach	7392	PF 10	20950.00	5035.32	5051.79	5051.79	5053.02	0.002986	11.87	3745.55	1217.34	0.60
Reach	7392	PF 11	22220.00	5035.32	5055.61		5055.77	0.000361	4.96	8660.57	1353.12	0.22
Reach	7392	PF 12	37000.00	5035.32	5053.16		5054.60	0.003603	14.01	5453.00	1262.77	0.68

Reach	7392	PF 13	3612.00	5035.32	5043.92	5043.92	5045.91	0.011296	11.33	323.77	88.15	0.98
Reach	7090	PF 1	50.00	5032.84	5034.63		5034.79	0.007245	3.26	15.35	17.47	0.61
Reach	7090	PF 2	100.00	5032.84	5035.12		5035.36	0.007824	3.97	25.16	22.50	0.66
Reach	7090	PF 3	200.00	5032.84	5035.76		5036.09	0.009063	4.61	43.35	34.86	0.73
Reach	7090	PF 4	500.00	5032.84	5036.64	5036.44	5037.25	0.011333	6.26	79.89	48.14	0.86
Reach	7090	PF 5	1000.00	5032.84	5037.46	5037.46	5038.46	0.014952	8.01	124.80	64.01	1.01
Reach	7090	PF 6	1890.00	5032.84	5038.59	5038.59	5039.67	0.010996	8.53	242.23	117.98	0.92
Reach	7090	PF 7	4060.00	5032.84	5040.03	5040.03	5041.67	0.010496	10.84	420.67	131.74	0.95
Reach	7090	PF 8	7100.00	5032.84	5042.36		5043.97	0.005824	10.96	740.22	152.88	0.77
Reach	7090	PF 9	13580.00	5032.84	5046.87		5048.57	0.003128	11.49	1430.31	221.55	0.61
Reach	7090	PF 10	20950.00	5032.84	5051.70		5052.17	0.000842	7.62	5671.08	1186.96	0.34
Reach	7090	PF 11	22220.00	5032.84	5050.31		5051.55	0.002112	11.35	4045.40	1139.88	0.53
Reach	7090	PF 12	37000.00	5032.84	5051.77		5053.18	0.002540	13.28	5747.10	1189.88	0.59
Reach	7090	PF 13	3612.00	5032.84	5039.77	5039.77	5041.30	0.010593	10.43	387.52	128.35	0.95
Reach	6837	PF 1	50.00	5031.67	5032.66		5032.72	0.003369	1.93	25.88	37.14	0.41
Reach	6837	PF 2	100.00	5031.67	5033.03		5033.12	0.003496	2.48	40.33	40.86	0.44
Reach	6837	PF 3	200.00	5031.67	5033.56		5033.71	0.003632	3.15	63.54	46.22	0.47
Reach	6837	PF 4	500.00	5031.67	5034.69		5034.89	0.004623	3.59	139.34	99.85	0.54
Reach	6837	PF 5	1000.00	5031.67	5035.80		5036.01	0.002823	3.69	270.82	128.37	0.45
Reach	6837	PF 6	1890.00	5031.67	5037.27		5037.51	0.001844	3.95	479.05	154.97	0.39
Reach	6837	PF 7	4060.00	5031.67	5039.86		5040.18	0.001152	4.58	911.89	192.24	0.34
Reach	6837	PF 8	7100.00	5031.67	5042.65		5043.06	0.000887	5.23	1438.45	230.09	0.32
Reach	6837	PF 9	13580.00	5031.67	5047.30		5047.85	0.000693	6.19	2637.78	466.16	0.30
Reach	6837	PF 10	20950.00	5031.67	5051.74		5051.99	0.000291	4.87	7583.47	1295.05	0.20
Reach	6837	PF 11	22220.00	5031.67	5050.62		5051.06	0.000515	6.20	6149.74	1255.93	0.27
Reach	6837	PF 12	37000.00	5031.67	5051.90		5052.62	0.000853	8.38	7791.99	1301.04	0.35
Reach	6837	PF 13	3612.00	5031.67	5039.39		5039.69	0.001227	4.46	828.85	188.10	0.34
Reach	6567	PF 1	50.00	5028.88	5030.56		5030.70	0.005934	2.97	16.83	19.01	0.56
Reach	6567	PF 2	100.00	5028.88	5031.06		5031.27	0.006007	3.70	27.00	22.00	0.59
Reach	6567	PF 3	200.00	5028.88	5031.68		5032.04	0.006820	4.80	41.67	25.17	0.66
Reach	6567	PF 4	500.00	5028.88	5032.79		5033.51	0.009034	6.84	73.15	31.97	0.80
Reach	6567	PF 5	1000.00	5028.88	5034.23		5035.06	0.009437	7.33	136.52	56.07	0.83
Reach	6567	PF 6	1890.00	5028.88	5035.18	5035.18	5036.64	0.011511	9.74	199.92	74.41	0.96
Reach	6567	PF 7	4060.00	5028.88	5037.15	5037.15	5039.35	0.009776	12.19	358.16	84.85	0.95
Reach	6567	PF 8	7100.00	5028.88	5039.20	5039.20	5042.22	0.008857	14.52	539.30	92.39	0.96
Reach	6567	PF 9	13580.00	5028.88	5042.44		5046.95	0.008321	18.06	856.88	103.47	0.99
Reach	6567	PF 10	20950.00	5028.88	5046.08	5046.08	5051.36	0.006848	20.01	1320.95	275.95	0.94
Reach	6567	PF 11	22220.00	5028.88	5050.08	5048.91	5050.82	0.001127	9.60	5234.84	1190.10	0.40
Reach	6567	PF 12	37000.00	5028.88	5050.10		5052.14	0.003090	15.90	5259.84	1191.34	0.66
Reach	6567	PF 13	3612.00	5028.88	5036.79	5036.79	5038.86	0.010085	11.79	327.65	83.37	0.95
Reach	6370	PF 1	50.00	5027.57	5029.03		5029.17	0.006311	3.01	16.63	19.36	0.57
Reach	6370	PF 2	100.00	5027.57	5029.50		5029.72	0.006740	3.78	26.45	22.81	0.62
Reach	6370	PF 3	200.00	5027.57	5030.10		5030.46	0.007740	4.83	41.37	27.22	0.69
Reach	6370	PF 4	500.00	5027.57	5031.19		5031.87	0.009455	6.58	76.02	36.44	0.80
Reach	6370	PF 5	1000.00	5027.57	5032.31	5032.09	5033.30	0.011401	7.99	125.23	51.72	0.90
Reach	6370	PF 6	1890.00	5027.57	5033.62	5033.62	5034.62	0.009459	8.31	259.98	136.46	0.85
Reach	6370	PF 7	4060.00	5027.57	5035.68		5036.66	0.005331	8.68	553.18	148.40	0.69
Reach	6370	PF 8	7100.00	5027.57	5038.04		5039.09	0.003628	9.08	919.48	160.38	0.60
Reach	6370	PF 9	13580.00	5027.57	5041.73		5043.08	0.002745	10.45	1540.48	176.52	0.56
Reach	6370	PF 10	20950.00	5027.57	5044.83		5046.92	0.003275	13.53	2262.46	484.76	0.64
Reach	6370	PF 11	22220.00	5027.57	5045.03	5041.23	5047.64	0.003938	14.97	2380.63	655.14	0.70
Reach	6370	PF 12	37000.00	5027.57	5051.00		5051.43	0.000689	7.93	9426.99	1334.65	0.31
Reach	6370	PF 13	3612.00	5027.57	5035.26		5036.26	0.005917	8.67	492.45	146.01	0.72
Reach	6125	PF 1	50.00	5025.75	5027.22		5027.28	0.003049	1.94	25.72	33.69	0.39
Reach	6125	PF 2	100.00	5025.75	5027.72		5027.80	0.002680	2.20	45.42	44.81	0.39
Reach	6125	PF 3	200.00	5025.75	5028.42		5028.52	0.002049	2.45	81.61	55.97	0.36
Reach	6125	PF 4	500.00	5025.75	5029.84		5029.98	0.001437	2.98	167.88	65.50	0.33

Reach	6125	PF 5	1000.00	5025.75	5031.58		5031.74	0.001531	3.15	318.33	145.99	0.34
Reach	6125	PF 6	1890.00	5025.75	5033.22		5033.39	0.000986	3.42	601.60	181.58	0.29
Reach	6125	PF 7	4060.00	5025.75	5035.67		5035.92	0.000853	4.23	1060.62	193.18	0.29
Reach	6125	PF 8	7100.00	5025.75	5038.13		5038.48	0.000831	5.06	1547.90	202.79	0.30
Reach	6125	PF 9	13580.00	5025.75	5041.95		5042.51	0.000859	6.36	2349.95	216.88	0.32
Reach	6125	PF 10	20950.00	5025.75	5045.44		5046.18	0.000947	7.68	4431.79	1173.29	0.35
Reach	6125	PF 11	22220.00	5025.75	5045.74		5046.49	0.000959	7.81	4805.23	1273.39	0.36
Reach	6125	PF 12	37000.00	5025.75	5051.04		5051.29	0.000306	5.39	12100.63	1450.79	0.21
Reach	6125	PF 13	3612.00	5025.75	5035.23		5035.47	0.000865	4.09	976.47	191.12	0.29
Reach	5880	PF 1	50.00	5024.64	5025.97		5026.11	0.006567	3.04	16.47	19.26	0.58
Reach	5880	PF 2	100.00	5024.64	5026.42		5026.66	0.006763	3.92	25.52	20.57	0.62
Reach	5880	PF 3	200.00	5024.64	5027.08		5027.47	0.007323	5.05	39.64	22.96	0.68
Reach	5880	PF 4	500.00	5024.64	5028.29		5029.07	0.008896	7.10	70.41	27.94	0.79
Reach	5880	PF 5	1000.00	5024.64	5029.54	5029.25	5030.80	0.010519	9.02	110.90	34.62	0.89
Reach	5880	PF 6	1890.00	5024.64	5031.23	5031.23	5032.50	0.008439	9.39	233.80	95.64	0.83
Reach	5880	PF 7	4060.00	5024.64	5032.95	5032.95	5034.84	0.009130	12.00	402.76	100.92	0.90
Reach	5880	PF 8	7100.00	5024.64	5034.70	5034.70	5037.32	0.009607	14.33	583.66	106.28	0.96
Reach	5880	PF 9	13580.00	5024.64	5038.33	5037.60	5041.50	0.007475	15.79	990.66	117.46	0.89
Reach	5880	PF 10	20950.00	5024.64	5044.45	5040.26	5045.43	0.001944	10.77	4129.61	1217.34	0.49
Reach	5880	PF 11	22220.00	5024.64	5045.35	5040.63	5045.97	0.001295	9.13	5253.10	1261.63	0.40
Reach	5880	PF 12	37000.00	5024.64	5045.34	5045.34	5047.07	0.003619	15.26	5235.86	1261.05	0.67
Reach	5880	PF 13	3612.00	5024.64	5032.63	5032.63	5034.42	0.009152	11.62	370.25	99.92	0.90
Reach	5652	PF 1	50.00	5023.03	5024.10		5024.16	0.003747	1.90	26.36	42.22	0.42
Reach	5652	PF 2	100.00	5023.03	5024.52		5024.59	0.003150	2.16	46.32	53.59	0.41
Reach	5652	PF 3	200.00	5023.03	5025.08		5025.18	0.002546	2.52	79.30	61.79	0.39
Reach	5652	PF 4	500.00	5023.03	5026.17		5026.33	0.002265	3.28	152.39	72.95	0.40
Reach	5652	PF 5	1000.00	5023.03	5027.29		5027.56	0.002303	4.15	241.53	86.94	0.43
Reach	5652	PF 6	1890.00	5023.03	5028.55		5028.99	0.002503	5.40	364.08	106.76	0.47
Reach	5652	PF 7	4060.00	5023.03	5030.07		5031.06	0.003820	8.16	529.89	111.42	0.61
Reach	5652	PF 8	7100.00	5023.03	5031.40		5033.24	0.005456	11.24	680.47	115.18	0.75
Reach	5652	PF 9	13580.00	5023.03	5033.29	5033.29	5037.16	0.008430	16.41	903.34	120.52	0.97
Reach	5652	PF 10	20950.00	5023.03	5035.96	5035.96	5040.97	0.007791	18.82	1236.87	129.51	0.98
Reach	5652	PF 11	22220.00	5023.03	5036.39	5036.39	5041.56	0.007690	19.16	1292.54	131.08	0.98
Reach	5652	PF 12	37000.00	5023.03	5043.39	5043.39	5045.44	0.002313	14.30	5330.08	1253.37	0.58
Reach	5652	PF 13	3612.00	5023.03	5029.82		5030.69	0.003554	7.64	502.39	110.72	0.58
Reach	5442	PF 1	50.00	5021.42	5022.61		5022.76	0.008009	3.09	16.20	21.76	0.63
Reach	5442	PF 2	100.00	5021.42	5023.03		5023.25	0.008414	3.81	26.23	26.63	0.68
Reach	5442	PF 3	200.00	5021.42	5023.56		5023.91	0.009260	4.72	42.40	33.62	0.74
Reach	5442	PF 4	500.00	5021.42	5024.51		5025.12	0.010438	6.24	80.12	45.70	0.83
Reach	5442	PF 5	1000.00	5021.42	5025.47	5025.29	5026.41	0.011251	7.79	128.43	55.57	0.90
Reach	5442	PF 6	1890.00	5021.42	5026.60	5026.58	5028.01	0.012179	9.52	199.62	80.10	0.98
Reach	5442	PF 7	4060.00	5021.42	5028.49	5028.49	5029.95	0.007861	10.36	477.30	164.60	0.85
Reach	5442	PF 8	7100.00	5021.42	5029.85	5029.85	5031.82	0.008090	12.47	708.92	175.07	0.90
Reach	5442	PF 9	13580.00	5021.42	5032.01	5032.01	5034.90	0.008307	15.50	1097.49	185.09	0.96
Reach	5442	PF 10	20950.00	5021.42	5033.99	5033.99	5037.74	0.008224	17.83	1473.86	193.51	0.99
Reach	5442	PF 11	22220.00	5021.42	5034.33	5034.33	5038.18	0.008124	18.11	1539.10	194.92	0.99
Reach	5442	PF 12	37000.00	5021.42	5038.23	5037.05	5042.98	0.006776	20.42	2404.90	411.50	0.95
Reach	5442	PF 13	3612.00	5021.42	5028.24	5028.24	5029.62	0.007907	10.00	435.79	162.41	0.84
Reach	5228	PF 1	50.00	5019.91	5020.70		5020.76	0.004937	2.01	24.87	44.83	0.48
Reach	5228	PF 2	100.00	5019.91	5021.00		5021.10	0.004898	2.59	38.63	47.26	0.50
Reach	5228	PF 3	200.00	5019.91	5021.44		5021.61	0.004936	3.32	60.23	50.83	0.54
Reach	5228	PF 4	500.00	5019.91	5022.33		5022.65	0.005492	4.59	108.92	60.97	0.61
Reach	5228	PF 5	1000.00	5019.91	5023.16		5023.73	0.006780	6.05	166.14	80.40	0.70
Reach	5228	PF 6	1890.00	5019.91	5024.08	5023.80	5025.00	0.008095	7.83	259.11	115.38	0.80
Reach	5228	PF 7	4060.00	5019.91	5025.52	5025.43	5027.01	0.008863	10.27	448.15	140.54	0.88
Reach	5228	PF 8	7100.00	5019.91	5027.12	5026.89	5029.06	0.008131	11.97	677.83	147.51	0.88
Reach	5228	PF 9	13580.00	5019.91	5029.81		5032.49	0.007239	14.26	1090.77	159.36	0.88
Reach	5228	PF 10	20950.00	5019.91	5033.20		5035.97	0.004823	14.66	1659.37	175.97	0.76
Reach	5228	PF 11	22220.00	5019.91	5033.77		5036.55	0.004531	14.68	1761.26	178.31	0.74

Reach	5228	PF 12	37000.00	5019.91	5039.38		5041.33	0.002310	13.50	4624.02	965.58	0.56
Reach	5228	PF 13	3612.00	5019.91	5025.26	5025.15	5026.66	0.008929	9.90	411.17	138.27	0.87
Reach	5023	PF 1	50.00	5018.41	5019.39		5019.48	0.007136	2.39	20.93	38.43	0.57
Reach	5023	PF 2	100.00	5018.41	5019.71		5019.84	0.006669	2.95	33.95	43.24	0.59
Reach	5023	PF 3	200.00	5018.41	5020.13		5020.35	0.007149	3.73	53.57	50.32	0.64
Reach	5023	PF 4	500.00	5018.41	5021.09		5021.32	0.006226	3.89	128.42	102.15	0.61
Reach	5023	PF 5	1000.00	5018.41	5021.84		5022.20	0.005421	4.80	208.34	108.92	0.61
Reach	5023	PF 6	1890.00	5018.41	5022.69		5023.29	0.005959	6.23	304.17	122.96	0.68
Reach	5023	PF 7	4060.00	5018.41	5023.89		5025.16	0.007901	9.08	455.16	128.63	0.82
Reach	5023	PF 8	7100.00	5018.41	5025.23	5024.94	5027.27	0.008524	11.55	632.73	135.19	0.90
Reach	5023	PF 9	13580.00	5018.41	5028.57		5031.08	0.005482	12.96	1108.47	148.93	0.79
Reach	5023	PF 10	20950.00	5018.41	5032.48		5035.02	0.003443	13.23	1721.76	165.09	0.66
Reach	5023	PF 11	22220.00	5018.41	5033.05		5035.63	0.003301	13.35	1816.56	167.37	0.65
Reach	5023	PF 12	37000.00	5018.41	5039.34		5040.77	0.001394	11.30	5676.47	967.82	0.45
Reach	5023	PF 13	3612.00	5018.41	5023.69		5024.81	0.007475	8.54	429.69	127.70	0.80
Reach	4825	PF 1	50.00	5016.85	5017.82		5017.90	0.005450	2.26	22.14	36.09	0.51
Reach	4825	PF 2	100.00	5016.85	5018.17		5018.29	0.005428	2.78	35.92	42.65	0.53
Reach	4825	PF 3	200.00	5016.85	5018.65		5018.83	0.005423	3.41	58.68	51.38	0.56
Reach	4825	PF 4	500.00	5016.85	5019.59		5019.88	0.006159	4.34	115.15	77.07	0.63
Reach	4825	PF 5	1000.00	5016.85	5020.43		5020.87	0.006244	5.31	188.35	94.14	0.66
Reach	4825	PF 6	1890.00	5016.85	5021.25		5021.99	0.007108	6.96	285.64	144.10	0.74
Reach	4825	PF 7	4060.00	5016.85	5022.88		5023.78	0.005150	8.11	607.63	219.73	0.68
Reach	4825	PF 8	7100.00	5016.85	5025.16		5025.91	0.002721	7.79	1134.57	238.21	0.53
Reach	4825	PF 9	13580.00	5016.85	5029.26		5029.99	0.001448	7.84	2143.04	252.24	0.42
Reach	4825	PF 10	20950.00	5016.85	5033.36		5034.12	0.001001	8.08	3201.54	263.55	0.37
Reach	4825	PF 11	22220.00	5016.85	5033.96		5034.74	0.000972	8.18	3359.72	265.35	0.37
Reach	4825	PF 12	37000.00	5016.85	5039.70		5040.34	0.000694	8.53	7967.29	1035.69	0.33
Reach	4825	PF 13	3612.00	5016.85	5022.53		5023.46	0.005852	8.16	529.31	217.06	0.72
Reach	4571	PF 1	50.00	5015.43	5016.39		5016.45	0.003917	2.01	24.83	37.52	0.44
Reach	4571	PF 2	100.00	5015.43	5016.81		5016.89	0.004419	2.32	43.07	57.52	0.47
Reach	4571	PF 3	200.00	5015.43	5017.34		5017.43	0.003517	2.39	83.77	90.50	0.44
Reach	4571	PF 4	500.00	5015.43	5018.20		5018.33	0.002621	2.94	169.90	107.52	0.41
Reach	4571	PF 5	1000.00	5015.43	5019.15		5019.35	0.002439	3.54	282.43	128.35	0.42
Reach	4571	PF 6	1890.00	5015.43	5020.33		5020.62	0.002129	4.33	436.47	133.08	0.42
Reach	4571	PF 7	4060.00	5015.43	5022.37		5022.88	0.001970	5.74	715.41	140.92	0.44
Reach	4571	PF 8	7100.00	5015.43	5024.57		5025.33	0.001867	7.04	1033.38	146.30	0.45
Reach	4571	PF 9	13580.00	5015.43	5028.38		5029.56	0.001700	8.82	1602.78	152.86	0.46
Reach	4571	PF 10	20950.00	5015.43	5032.18		5033.74	0.001537	10.16	2212.51	198.08	0.46
Reach	4571	PF 11	22220.00	5015.43	5032.70		5034.35	0.001548	10.43	2325.59	231.96	0.46
Reach	4571	PF 12	37000.00	5015.43	5039.55		5040.17	0.000528	7.76	8256.54	1024.47	0.29
Reach	4571	PF 13	3612.00	5015.43	5021.99		5022.46	0.001989	5.50	663.11	139.48	0.43
Reach	4369	PF 1	50.00	5014.31	5015.32		5015.42	0.007709	2.63	18.98	31.85	0.60
Reach	4369	PF 2	100.00	5014.31	5015.65		5015.81	0.008064	3.24	30.89	39.35	0.64
Reach	4369	PF 3	200.00	5014.31	5016.09		5016.34	0.008030	4.02	49.72	45.54	0.68
Reach	4369	PF 4	500.00	5014.31	5016.95		5017.38	0.008471	5.26	95.10	60.63	0.74
Reach	4369	PF 5	1000.00	5014.31	5017.97		5018.52	0.007737	5.95	167.99	83.04	0.74
Reach	4369	PF 6	1890.00	5014.31	5019.07		5019.84	0.007012	7.06	267.99	97.17	0.74
Reach	4369	PF 7	4060.00	5014.31	5020.70		5022.10	0.006932	9.52	434.36	105.76	0.80
Reach	4369	PF 8	7100.00	5014.31	5022.26	5021.83	5024.52	0.007597	12.18	603.23	111.27	0.88
Reach	4369	PF 9	13580.00	5014.31	5025.78		5028.80	0.005606	14.23	1018.29	124.53	0.81
Reach	4369	PF 10	20950.00	5014.31	5029.55	5027.25	5033.05	0.004259	15.49	1678.44	335.03	0.75
Reach	4369	PF 11	22220.00	5014.31	5032.38	5027.55	5033.71	0.001558	10.65	3553.47	793.09	0.47
Reach	4369	PF 12	37000.00	5014.31	5039.66		5039.99	0.000356	6.53	10591.34	1127.25	0.24
Reach	4369	PF 13	3612.00	5014.31	5020.42		5021.69	0.006833	9.06	405.11	104.78	0.78
Reach	4110	PF 1	50.00	5012.15	5013.10		5013.20	0.006445	2.42	20.68	34.53	0.55
Reach	4110	PF 2	100.00	5012.15	5013.45		5013.59	0.006429	2.92	34.26	43.02	0.58
Reach	4110	PF 3	200.00	5012.15	5013.91		5014.11	0.006220	3.60	55.54	49.62	0.60
Reach	4110	PF 4	500.00	5012.15	5014.82		5015.17	0.005893	4.74	105.40	59.67	0.63

Reach	4110	PF 5	1000.00	5012.15	5015.86		5016.38	0.005501	5.80	172.51	68.42	0.64
Reach	4110	PF 6	1890.00	5012.15	5017.00		5017.85	0.006193	7.41	259.38	114.68	0.71
Reach	4110	PF 7	4060.00	5012.15	5019.14		5020.16	0.004554	8.52	544.64	142.22	0.66
Reach	4110	PF 8	7100.00	5012.15	5021.68		5022.76	0.002992	8.96	918.42	151.36	0.57
Reach	4110	PF 9	13580.00	5012.15	5026.15		5027.40	0.001974	9.87	1628.67	168.33	0.50
Reach	4110	PF 10	20950.00	5012.15	5029.10		5030.58	0.002027	11.55	3081.93	694.79	0.52
Reach	4110	PF 11	22220.00	5012.15	5029.54		5030.93	0.001886	11.36	3394.88	712.24	0.51
Reach	4110	PF 12	37000.00	5012.15	5031.74		5033.37	0.002187	13.36	5080.81	818.85	0.56
Reach	4110	PF 13	3612.00	5012.15	5018.73		5019.75	0.004866	8.42	487.38	140.68	0.67
Reach	3845	PF 1	50.00	5010.26	5011.39		5011.48	0.006894	2.50	19.99	33.33	0.57
Reach	3845	PF 2	100.00	5010.26	5011.72		5011.87	0.007167	3.08	32.43	40.67	0.61
Reach	3845	PF 3	200.00	5010.26	5012.18		5012.40	0.007088	3.77	52.99	48.46	0.64
Reach	3845	PF 4	500.00	5010.26	5013.08		5013.46	0.006381	4.93	101.39	56.84	0.65
Reach	3845	PF 5	1000.00	5010.26	5014.03		5014.62	0.006830	6.17	162.01	67.99	0.70
Reach	3845	PF 6	1890.00	5010.26	5015.17		5016.11	0.007126	7.77	243.37	74.26	0.76
Reach	3845	PF 7	4060.00	5010.26	5017.00	5016.45	5018.74	0.007625	10.58	387.23	82.87	0.84
Reach	3845	PF 8	7100.00	5010.26	5018.83	5018.49	5021.57	0.008043	13.38	547.13	91.07	0.90
Reach	3845	PF 9	13580.00	5010.26	5021.94	5021.94	5026.30	0.007940	17.08	848.48	102.86	0.96
Reach	3845	PF 10	20950.00	5010.26	5027.38	5027.38	5029.75	0.002922	13.87	2483.37	592.26	0.62
Reach	3845	PF 11	22220.00	5010.26	5027.69	5027.69	5030.02	0.002874	13.94	2670.87	608.42	0.62
Reach	3845	PF 12	37000.00	5010.26	5029.97	5029.97	5032.55	0.003197	16.10	4221.81	754.42	0.67
Reach	3845	PF 13	3612.00	5010.26	5016.69		5018.26	0.007509	10.06	361.47	81.52	0.82
Reach	3687	PF 1	50.00	5009.42	5010.49		5010.56	0.003742	2.16	23.18	30.36	0.44
Reach	3687	PF 2	100.00	5009.42	5010.89		5011.01	0.004153	2.72	36.75	36.69	0.48
Reach	3687	PF 3	200.00	5009.42	5011.47		5011.64	0.004575	3.26	61.32	50.15	0.52
Reach	3687	PF 4	500.00	5009.42	5012.37		5012.66	0.005409	4.36	114.58	68.63	0.60
Reach	3687	PF 5	1000.00	5009.42	5013.20		5013.71	0.005990	5.70	175.43	75.80	0.66
Reach	3687	PF 6	1890.00	5009.42	5014.23		5015.07	0.006726	7.38	255.93	81.50	0.73
Reach	3687	PF 7	4060.00	5009.42	5016.07		5017.57	0.006877	9.84	416.48	91.61	0.79
Reach	3687	PF 8	7100.00	5009.42	5018.16		5020.29	0.006208	11.77	616.86	100.26	0.80
Reach	3687	PF 9	13580.00	5009.42	5021.83		5024.89	0.005112	14.27	1010.97	116.95	0.78
Reach	3687	PF 10	20950.00	5009.42	5027.47		5028.73	0.001554	10.50	3280.62	609.13	0.46
Reach	3687	PF 11	22220.00	5009.42	5026.76		5028.62	0.002309	12.41	2862.88	576.01	0.56
Reach	3687	PF 12	37000.00	5009.42	5028.54		5031.21	0.003241	15.82	3979.49	692.46	0.67
Reach	3687	PF 13	3612.00	5009.42	5015.72		5017.11	0.006940	9.45	384.62	90.37	0.79
Reach	3480	PF 1	50.00	5008.42	5009.51		5009.61	0.009435	2.53	19.79	41.16	0.64
Reach	3480	PF 2	100.00	5008.42	5009.76		5009.93	0.009601	3.26	30.65	43.89	0.69
Reach	3480	PF 3	200.00	5008.42	5010.11		5010.40	0.010746	4.28	46.74	48.33	0.77
Reach	3480	PF 4	500.00	5008.42	5010.69	5010.66	5011.20	0.016620	5.70	87.72	81.59	0.97
Reach	3480	PF 5	1000.00	5008.42	5011.28	5011.28	5012.12	0.015928	7.37	135.65	82.57	1.01
Reach	3480	PF 6	1890.00	5008.42	5012.16	5012.16	5013.43	0.013999	9.05	208.83	84.04	1.01
Reach	3480	PF 7	4060.00	5008.42	5013.84	5013.84	5015.90	0.012058	11.52	352.44	86.86	1.01
Reach	3480	PF 8	7100.00	5008.42	5015.71	5015.71	5018.63	0.010940	13.70	518.24	89.99	1.01
Reach	3480	PF 9	13580.00	5008.42	5018.88	5018.88	5023.24	0.009552	16.76	813.63	97.83	1.00
Reach	3480	PF 10	20950.00	5008.42	5021.73	5021.73	5027.51	0.008762	19.37	1104.10	105.98	1.00
Reach	3480	PF 11	22220.00	5008.42	5024.88	5024.88	5027.25	0.003083	13.49	2557.53	688.43	0.62
Reach	3480	PF 12	37000.00	5008.42	5028.13		5029.66	0.002064	12.61	5335.78	946.61	0.52
Reach	3480	PF 13	3612.00	5008.42	5013.53	5013.53	5015.44	0.012286	11.10	325.55	86.34	1.01
Reach	3266	PF 1	50.00	5006.65	5007.47		5007.53	0.007632	2.07	24.21	58.16	0.56
Reach	3266	PF 2	100.00	5006.65	5007.70		5007.80	0.007852	2.54	39.39	70.91	0.60
Reach	3266	PF 3	200.00	5006.65	5008.00		5008.16	0.008246	3.23	61.88	80.34	0.65
Reach	3266	PF 4	500.00	5006.65	5008.58		5008.87	0.008337	4.35	115.06	96.35	0.70
Reach	3266	PF 5	1000.00	5006.65	5009.21		5009.70	0.008738	5.60	178.67	105.76	0.76
Reach	3266	PF 6	1890.00	5006.65	5010.19		5010.76	0.006281	6.19	333.45	178.32	0.69
Reach	3266	PF 7	4060.00	5006.65	5012.23		5012.80	0.003153	6.43	711.67	190.49	0.53
Reach	3266	PF 8	7100.00	5006.65	5014.55		5015.18	0.002128	6.86	1160.84	197.16	0.47
Reach	3266	PF 9	13580.00	5006.65	5018.23		5019.08	0.001677	7.96	1907.15	208.44	0.44
Reach	3266	PF 10	20950.00	5006.65	5021.59		5022.61	0.001466	8.88	2892.14	485.15	0.43
Reach	3266	PF 11	22220.00	5006.65	5022.31		5023.41	0.001552	9.46	3250.12	563.66	0.44

Reach	3266	PF 12	37000.00	5006.65	5028.60		5029.15	0.000628	7.69	7999.13	914.45	0.30
Reach	3266	PF 13	3612.00	5006.65	5011.84		5012.41	0.003477	6.38	638.22	189.37	0.55
Reach	3026	PF 1	50.00	5004.64	5005.67		5005.74	0.006689	2.18	22.98	46.21	0.54
Reach	3026	PF 2	100.00	5004.64	5005.97		5006.06	0.006171	2.51	39.90	60.98	0.55
Reach	3026	PF 3	200.00	5004.64	5006.35		5006.50	0.005504	3.09	64.78	66.34	0.55
Reach	3026	PF 4	500.00	5004.64	5007.14		5007.41	0.005112	4.15	120.51	74.64	0.58
Reach	3026	PF 5	1000.00	5004.64	5008.07		5008.48	0.004915	5.15	194.35	84.32	0.60
Reach	3026	PF 6	1890.00	5004.64	5009.20		5009.83	0.004601	6.42	307.08	115.26	0.61
Reach	3026	PF 7	4060.00	5004.64	5011.17		5012.13	0.004120	8.10	544.74	124.10	0.62
Reach	3026	PF 8	7100.00	5004.64	5013.36		5014.63	0.003637	9.48	823.61	131.58	0.61
Reach	3026	PF 9	13580.00	5004.64	5016.46		5018.50	0.003752	12.16	1250.08	143.39	0.66
Reach	3026	PF 10	20950.00	5004.64	5019.10	5016.71	5021.97	0.003978	14.55	1646.30	250.62	0.71
Reach	3026	PF 11	22220.00	5004.64	5019.46	5017.04	5022.53	0.004129	15.09	1702.96	278.95	0.72
Reach	3026	PF 12	37000.00	5004.64	5028.47		5029.01	0.000597	8.07	8069.15	872.55	0.30
Reach	3026	PF 13	3612.00	5004.64	5010.80		5011.70	0.004224	7.84	498.97	122.93	0.62
Reach	2778	PF 1	50.00	5001.92	5003.34		5003.44	0.005645	2.51	19.91	28.02	0.53
Reach	2778	PF 2	100.00	5001.92	5003.77		5003.91	0.005143	3.02	33.09	32.85	0.53
Reach	2778	PF 3	200.00	5001.92	5004.38		5004.58	0.004774	3.65	54.86	38.77	0.54
Reach	2778	PF 4	500.00	5001.92	5005.69		5005.91	0.003374	3.79	131.93	67.94	0.48
Reach	2778	PF 5	1000.00	5001.92	5006.94		5007.22	0.003237	4.28	233.45	97.11	0.49
Reach	2778	PF 6	1890.00	5001.92	5008.27		5008.67	0.002817	5.11	369.92	106.03	0.48
Reach	2778	PF 7	4060.00	5001.92	5010.50		5011.17	0.002661	6.58	617.01	115.81	0.50
Reach	2778	PF 8	7100.00	5001.92	5012.77		5013.77	0.002511	8.03	890.23	124.21	0.52
Reach	2778	PF 9	13580.00	5001.92	5015.77		5017.59	0.002960	10.90	1278.47	171.98	0.59
Reach	2778	PF 10	20950.00	5001.92	5018.15		5020.97	0.003512	13.60	1638.29	578.11	0.67
Reach	2778	PF 11	22220.00	5001.92	5018.58		5021.49	0.003498	13.87	1726.69	662.39	0.67
Reach	2778	PF 12	37000.00	5001.92	5026.27		5028.51	0.001624	12.79	3424.21	937.94	0.49
Reach	2778	PF 13	3612.00	5001.92	5010.10		5010.72	0.002680	6.32	571.45	114.00	0.50
Reach	2584	PF 1	50.00	5001.01	5002.43	5001.89	5002.50	0.002772	2.11	23.73	25.56	0.39
Reach	2584	PF 2	100.00	5001.01	5002.92	5002.25	5003.03	0.003060	2.65	37.71	30.91	0.42
Reach	2584	PF 3	200.00	5001.01	5003.58	5002.76	5003.75	0.003354	3.31	60.47	38.05	0.46
Reach	2584	PF 4	500.00	5001.01	5004.87	5003.76	5005.15	0.003414	4.23	118.12	51.90	0.49
Reach	2584	PF 5	1000.00	5001.01	5006.11	5004.84	5006.49	0.004343	4.89	204.29	86.81	0.56
Reach	2584	PF 6	1890.00	5001.01	5007.63	5006.20	5008.08	0.003323	5.36	352.34	106.81	0.52
Reach	2584	PF 7	4060.00	5001.01	5009.98	5007.88	5010.64	0.002783	6.55	620.19	121.48	0.51
Reach	2584	PF 8	7100.00	5001.01	5012.33	5009.55	5013.25	0.002641	7.69	923.59	136.19	0.52
Reach	2584	PF 9	13580.00	5001.01	5015.33	5012.29	5016.90	0.002901	10.08	1353.80	148.03	0.58
Reach	2584	PF 10	20950.00	5001.01	5017.70	5014.61	5020.08	0.003260	12.40	1710.79	152.49	0.63
Reach	2584	PF 11	22220.00	5001.01	5018.13	5014.97	5020.62	0.003258	12.69	1775.54	153.40	0.64
Reach	2584	PF 12	37000.00	5001.01	5022.62	5018.67	5026.23	0.003141	15.33	2486.79	163.06	0.66
Reach	2584	PF 13	3612.00	5001.01	5009.56	5007.61	5010.19	0.002819	6.33	570.89	118.91	0.51
Reach	2558.5		Bridge									
Reach	2533	PF 1	50.00	5000.94	5002.18		5002.28	0.005397	2.55	19.60	26.19	0.52
Reach	2533	PF 2	100.00	5000.94	5002.64		5002.79	0.004680	3.11	32.19	28.62	0.52
Reach	2533	PF 3	200.00	5000.94	5003.21		5003.46	0.005893	4.03	49.63	35.39	0.60
Reach	2533	PF 4	500.00	5000.94	5004.49		5004.75	0.005053	4.14	120.89	74.06	0.57
Reach	2533	PF 5	1000.00	5000.94	5005.54		5005.92	0.004119	4.91	203.79	82.76	0.55
Reach	2533	PF 6	1890.00	5000.94	5006.96		5007.45	0.003864	5.61	336.96	106.81	0.56
Reach	2533	PF 7	4060.00	5000.94	5009.24		5009.98	0.003063	6.90	589.08	117.55	0.53
Reach	2533	PF 8	7100.00	5000.94	5011.53		5012.58	0.002727	8.29	878.30	134.96	0.53
Reach	2533	PF 9	13580.00	5000.94	5014.24		5016.19	0.003390	11.37	1254.48	142.61	0.63
Reach	2533	PF 10	20950.00	5000.94	5016.17		5019.31	0.004384	14.52	1535.67	148.53	0.74
Reach	2533	PF 11	22220.00	5000.94	5016.55		5019.85	0.004422	14.88	1592.54	149.70	0.74
Reach	2533	PF 12	37000.00	5000.94	5020.95		5025.54	0.004214	17.76	2278.67	161.98	0.76
Reach	2533	PF 13	3612.00	5000.94	5008.85		5009.53	0.003113	6.65	543.43	112.31	0.53
Reach	2402	PF 1	50.00	4999.69	5001.10	5000.29	5001.13	0.000671	1.19	41.97	36.73	0.20

Reach	2402	PF 2	100.00	4999.69	5001.64	5000.53	5001.68	0.000782	1.60	62.57	39.34	0.22
Reach	2402	PF 3	200.00	4999.69	5002.45	5000.91	5002.52	0.000866	2.09	95.75	43.22	0.25
Reach	2402	PF 4	500.00	4999.69	5003.91	5001.77	5004.03	0.001359	2.82	177.61	72.19	0.32
Reach	2402	PF 5	1000.00	4999.69	5005.24	5002.86	5005.42	0.001627	3.40	293.93	103.27	0.36
Reach	2402	PF 6	1890.00	4999.69	5006.72	5004.29	5006.98	0.001530	4.12	460.08	117.68	0.36
Reach	2402	PF 7	4060.00	4999.69	5009.09	5006.07	5009.55	0.001486	5.49	749.02	126.95	0.39
Reach	2402	PF 8	7100.00	4999.69	5011.41	5007.66	5012.14	0.001559	6.93	1053.02	135.19	0.42
Reach	2402	PF 9	13580.00	4999.69	5014.09	5010.31	5015.59	0.002237	9.96	1427.70	143.78	0.52
Reach	2402	PF 10	20950.00	4999.69	5015.96	5012.79	5018.51	0.003118	13.03	1702.27	148.72	0.63
Reach	2402	PF 11	22220.00	4999.69	5016.34	5013.19	5019.04	0.003177	13.40	1758.88	149.67	0.64
Reach	2402	PF 12	37000.00	4999.69	5020.75	5017.19	5024.73	0.003279	16.44	2443.40	160.76	0.68
Reach	2402	PF 13	3612.00	4999.69	5008.68	5005.78	5009.10	0.001476	5.23	697.43	125.50	0.38
Reach	2377.5		Bridge									
Reach	2353	PF 1	50.00	4999.57	5001.07		5001.09	0.000825	1.08	46.42	55.55	0.21
Reach	2353	PF 2	100.00	4999.57	5001.56		5001.59	0.000732	1.34	74.44	58.30	0.21
Reach	2353	PF 3	200.00	4999.57	5002.23		5002.28	0.000771	1.73	115.91	64.72	0.23
Reach	2353	PF 4	500.00	4999.57	5003.44		5003.54	0.000946	2.50	200.39	74.76	0.27
Reach	2353	PF 5	1000.00	4999.57	5004.63		5004.81	0.001348	3.36	297.31	92.29	0.33
Reach	2353	PF 6	1890.00	4999.57	5006.07		5006.35	0.001594	4.23	447.33	112.59	0.37
Reach	2353	PF 7	4060.00	4999.57	5008.42		5008.92	0.001583	5.69	720.08	119.73	0.40
Reach	2353	PF 8	7100.00	4999.57	5010.74		5011.54	0.001685	7.23	1005.83	127.72	0.43
Reach	2353	PF 9	13580.00	4999.57	5013.28		5014.97	0.002544	10.55	1346.50	140.54	0.56
Reach	2353	PF 10	20950.00	4999.57	5014.78		5017.82	0.003901	14.20	1561.59	146.39	0.70
Reach	2353	PF 11	22220.00	4999.57	5015.11		5018.33	0.004006	14.64	1610.53	147.50	0.72
Reach	2353	PF 12	37000.00	4999.57	5019.34		5024.03	0.004092	17.86	2265.33	162.38	0.76
Reach	2353	PF 13	3612.00	4999.57	5008.01		5008.47	0.001568	5.42	671.43	118.28	0.39
Reach	2145	PF 1	50.00	4999.00	5000.21		5000.28	0.002905	2.10	23.78	26.71	0.39
Reach	2145	PF 2	100.00	4999.00	5000.73		5000.83	0.002887	2.56	39.08	32.47	0.41
Reach	2145	PF 3	200.00	4999.00	5001.43		5001.58	0.002923	3.11	64.29	40.14	0.43
Reach	2145	PF 4	500.00	4999.00	5002.71		5002.94	0.003116	3.82	130.85	63.05	0.47
Reach	2145	PF 5	1000.00	4999.00	5003.97		5004.25	0.003114	4.24	235.76	97.41	0.48
Reach	2145	PF 6	1890.00	4999.00	5005.40		5005.78	0.002558	4.91	384.61	109.63	0.46
Reach	2145	PF 7	4060.00	4999.00	5007.81		5008.39	0.002155	6.12	664.95	124.79	0.46
Reach	2145	PF 8	7100.00	4999.00	5010.24		5011.07	0.001926	7.36	998.56	151.09	0.46
Reach	2145	PF 9	13580.00	4999.00	5012.74		5014.25	0.002554	10.17	1653.25	760.48	0.55
Reach	2145	PF 10	20950.00	4999.00	5013.65		5016.17	0.004055	13.54	2050.92	776.78	0.71
Reach	2145	PF 11	22220.00	4999.00	5014.20		5016.50	0.003600	13.16	2301.01	793.57	0.67
Reach	2145	PF 12	37000.00	4999.00	5020.50		5021.53	0.001140	9.82	5390.62	869.54	0.40
Reach	2145	PF 13	3612.00	4999.00	5007.39		5007.93	0.002218	5.89	613.10	121.01	0.46
Reach	1849	PF 1	50.00	4997.33	4998.55		4998.66	0.004403	2.64	18.96	20.66	0.48
Reach	1849	PF 2	100.00	4997.33	4999.07		4999.24	0.004425	3.24	30.86	24.69	0.51
Reach	1849	PF 3	200.00	4997.33	4999.77		5000.02	0.004550	4.01	49.93	29.53	0.54
Reach	1849	PF 4	500.00	4997.33	5001.11		5001.55	0.005112	5.30	94.28	39.67	0.61
Reach	1849	PF 5	1000.00	4997.33	5002.44		5003.02	0.005115	6.11	167.01	65.02	0.63
Reach	1849	PF 6	1890.00	4997.33	5003.85		5004.70	0.004610	7.53	269.11	80.17	0.64
Reach	1849	PF 7	4060.00	4997.33	5006.13		5007.49	0.004422	9.79	477.74	102.26	0.67
Reach	1849	PF 8	7100.00	4997.33	5008.40		5010.26	0.004334	11.81	738.95	130.22	0.70
Reach	1849	PF 9	13580.00	4997.33	5012.12	5012.12	5013.38	0.002543	11.42	2541.76	898.47	0.57
Reach	1849	PF 10	20950.00	4997.33	5014.11		5014.84	0.001618	10.04	4413.60	979.19	0.46
Reach	1849	PF 11	22220.00	4997.33	5014.74		5015.32	0.001290	9.23	5039.28	1012.00	0.42
Reach	1849	PF 12	37000.00	4997.33	5020.90		5021.09	0.000309	5.67	11718.31	1119.63	0.22
Reach	1849	PF 13	3612.00	4997.33	5005.73		5006.99	0.004451	9.42	436.94	98.35	0.67
Reach	1587	PF 1	50.00	4995.96	4997.09		4997.29	0.009882	3.62	13.82	17.08	0.71
Reach	1587	PF 2	100.00	4995.96	4997.55		4997.85	0.010614	4.38	22.85	22.42	0.76
Reach	1587	PF 3	200.00	4995.96	4998.10		4998.55	0.011862	5.38	37.17	29.10	0.84
Reach	1587	PF 4	500.00	4995.96	4999.27		4999.93	0.009669	6.53	76.53	38.23	0.81
Reach	1587	PF 5	1000.00	4995.96	5000.54		5001.43	0.009219	7.57	132.02	50.97	0.83
Reach	1587	PF 6	1890.00	4995.96	5002.13		5003.20	0.007239	8.32	229.79	71.22	0.78

Reach	1587	PF 7	4060.00	4995.96	5004.40		5006.04	0.005966	10.48	421.12	98.95	0.77
Reach	1587	PF 8	7100.00	4995.96	5007.05		5008.92	0.004420	11.58	727.28	132.62	0.70
Reach	1587	PF 9	13580.00	4995.96	5010.32		5012.03	0.003314	12.47	1976.63	620.32	0.64
Reach	1587	PF 10	20950.00	4995.96	5013.80		5014.43	0.001203	8.93	4405.13	759.47	0.40
Reach	1587	PF 11	22220.00	4995.96	5014.47		5015.01	0.001009	8.41	4913.99	776.50	0.37
Reach	1587	PF 12	37000.00	4995.96	5020.74		5021.00	0.000354	6.22	10487.33	991.29	0.23
Reach	1587	PF 13	3612.00	4995.96	5003.96		5005.53	0.006271	10.20	378.91	93.33	0.77
Reach	1287	PF 1	50.00	4992.49	4993.97		4994.02	0.001455	1.77	28.28	24.22	0.29
Reach	1287	PF 2	100.00	4992.49	4994.56		4994.65	0.001609	2.31	43.33	26.59	0.32
Reach	1287	PF 3	200.00	4992.49	4995.34		4995.49	0.001942	3.06	65.46	30.16	0.37
Reach	1287	PF 4	500.00	4992.49	4996.81		4997.11	0.002416	4.41	113.50	34.74	0.43
Reach	1287	PF 5	1000.00	4992.49	4998.31		4998.86	0.003105	5.94	168.40	38.90	0.50
Reach	1287	PF 6	1890.00	4992.49	4999.95		5000.92	0.004339	7.89	241.24	50.65	0.61
Reach	1287	PF 7	4060.00	4992.49	5002.25		5004.15	0.005688	11.20	384.96	74.57	0.74
Reach	1287	PF 8	7100.00	4992.49	5004.46	5004.02	5007.35	0.006271	14.11	576.04	98.19	0.82
Reach	1287	PF 9	13580.00	4992.49	5009.49		5010.95	0.002511	11.92	2144.19	560.94	0.56
Reach	1287	PF 10	20950.00	4992.49	5013.56		5014.10	0.000903	8.45	4720.91	710.46	0.35
Reach	1287	PF 11	22220.00	4992.49	5014.25		5014.72	0.000778	8.04	5216.57	726.84	0.32
Reach	1287	PF 12	37000.00	4992.49	5020.64		5020.90	0.000325	6.30	10505.05	919.17	0.22
Reach	1287	PF 13	3612.00	4992.49	5001.85		5003.58	0.005538	10.64	356.15	70.27	0.73
Reach	1045	PF 1	50.00	4991.09	4993.40		4993.43	0.000943	1.40	35.75	29.97	0.23
Reach	1045	PF 2	100.00	4991.09	4993.93		4993.99	0.001164	1.90	52.60	32.55	0.26
Reach	1045	PF 3	200.00	4991.09	4994.66		4994.76	0.001466	2.58	77.50	36.02	0.31
Reach	1045	PF 4	500.00	4991.09	4996.00		4996.23	0.002042	3.84	130.12	42.61	0.39
Reach	1045	PF 5	1000.00	4991.09	4997.35		4997.77	0.002748	5.19	192.70	50.36	0.47
Reach	1045	PF 6	1890.00	4991.09	4998.90		4999.62	0.003452	6.81	281.64	64.86	0.55
Reach	1045	PF 7	4060.00	4991.09	5001.40		5002.64	0.003981	9.06	471.75	86.65	0.62
Reach	1045	PF 8	7100.00	4991.09	5003.97		5005.69	0.003704	10.88	735.02	116.95	0.63
Reach	1045	PF 9	13580.00	4991.09	5008.95		5010.20	0.001902	10.41	2047.83	390.68	0.49
Reach	1045	PF 10	20950.00	4991.09	5013.12		5013.85	0.000970	8.82	3744.56	419.74	0.36
Reach	1045	PF 11	22220.00	4991.09	5013.81		5014.50	0.000884	8.63	4036.48	422.89	0.35
Reach	1045	PF 12	37000.00	4991.09	5020.20		5020.77	0.000532	8.12	6877.89	457.49	0.28
Reach	1045	PF 13	3612.00	4991.09	5000.94		5002.09	0.004062	8.72	432.73	82.27	0.62
Reach	826	PF 1	50.00	4991.84	4992.55		4992.67	0.008210	2.77	18.06	29.28	0.62
Reach	826	PF 2	100.00	4991.84	4992.87		4993.07	0.008520	3.62	27.62	30.68	0.67
Reach	826	PF 3	200.00	4991.84	4993.32		4993.68	0.009215	4.76	41.99	32.61	0.74
Reach	826	PF 4	500.00	4991.84	4994.24		4994.96	0.010382	6.78	73.72	36.52	0.84
Reach	826	PF 5	1000.00	4991.84	4995.55	4995.19	4996.47	0.009994	7.71	129.64	51.51	0.86
Reach	826	PF 6	1890.00	4991.84	4997.55	4996.67	4998.31	0.005532	6.97	271.33	81.01	0.67
Reach	826	PF 7	4060.00	4991.84	5000.70	4998.53	5001.45	0.002501	7.16	641.83	172.13	0.50
Reach	826	PF 8	7100.00	4991.84	5004.10		5004.70	0.001274	6.81	1324.49	220.22	0.38
Reach	826	PF 9	13580.00	4991.84	5009.17		5009.73	0.000770	6.99	2546.04	256.08	0.32
Reach	826	PF 10	20950.00	4991.84	5012.98		5013.65	0.000699	7.76	3555.60	273.71	0.32
Reach	826	PF 11	22220.00	4991.84	5013.64		5014.32	0.000680	7.83	3738.41	276.46	0.31
Reach	826	PF 12	37000.00	4991.84	5019.76		5020.61	0.000611	8.93	5509.88	302.33	0.31
Reach	826	PF 13	3612.00	4991.84	5000.11		5000.88	0.002865	7.18	550.15	145.01	0.53
Reach	625	PF 1	50.00	4989.86	4990.39	4990.39	4990.59	0.006485	3.54	14.12	36.21	1.00
Reach	625	PF 2	100.00	4989.86	4990.63	4990.63	4990.93	0.005679	4.42	22.62	37.58	1.00
Reach	625	PF 3	200.00	4989.86	4990.98	4990.98	4991.45	0.004994	5.48	36.48	39.72	1.01
Reach	625	PF 4	500.00	4989.86	4991.77	4991.77	4992.57	0.004180	7.18	69.63	44.01	1.01
Reach	625	PF 5	1000.00	4989.86	4992.73	4992.73	4993.93	0.003681	8.80	113.62	47.69	1.00
Reach	625	PF 6	1890.00	4989.86	4994.04	4994.04	4995.77	0.003322	10.55	179.14	52.52	1.01
Reach	625	PF 7	4060.00	4989.86	4996.47	4996.47	4998.97	0.002953	12.70	319.78	64.42	1.00
Reach	625	PF 8	7100.00	4989.86	4998.88	4998.88	5002.18	0.002730	14.57	487.19	74.61	1.01
Reach	625	PF 9	13580.00	4989.86	5002.66	5002.66	5007.16	0.002516	17.02	798.01	89.75	1.01
Reach	625	PF 10	20950.00	4989.86	5005.98	5005.98	5011.46	0.002365	18.79	1114.83	102.35	1.00
Reach	625	PF 11	22220.00	4989.86	5006.48	5006.48	5012.11	0.002340	19.04	1167.10	104.10	1.00
Reach	625	PF 12	37000.00	4989.86	5011.50	5011.50	5018.53	0.002209	21.27	1739.26	124.76	1.00
Reach	625	PF 13	3612.00	4989.86	4996.02	4996.02	4998.40	0.003006	12.40	291.36	61.69	1.01

Reach	398	PF 1	50.00	4981.70	4982.43	4982.43	4982.68	0.006014	4.02	12.43	24.83	1.00
Reach	398	PF 2	100.00	4981.70	4982.73	4982.73	4983.12	0.005272	5.00	20.02	26.08	1.00
Reach	398	PF 3	200.00	4981.70	4983.19	4983.19	4983.78	0.004709	6.18	32.35	27.93	1.01
Reach	398	PF 4	500.00	4981.70	4984.19	4984.19	4985.19	0.004004	8.02	62.37	31.88	1.01
Reach	398	PF 5	1000.00	4981.70	4985.41	4985.41	4986.84	0.003553	9.60	104.13	36.67	1.00
Reach	398	PF 6	1890.00	4981.70	4987.01	4987.01	4988.97	0.003260	11.26	167.82	43.18	1.01
Reach	398	PF 7	4060.00	4981.70	4989.75	4989.75	4992.53	0.002946	13.38	303.39	55.29	1.01
Reach	398	PF 8	7100.00	4981.70	4992.45	4992.45	4996.04	0.002739	15.21	466.91	65.88	1.01
Reach	398	PF 9	13580.00	4981.70	4996.62	4996.62	5001.33	0.002519	17.42	779.52	83.72	1.01
Reach	398	PF 10	20950.00	4981.70	5000.06	5000.06	5005.82	0.002391	19.25	1088.29	96.00	1.01
Reach	398	PF 11	22220.00	4981.70	5000.59	5000.59	5006.49	0.002374	19.49	1140.04	98.12	1.01
Reach	398	PF 12	37000.00	4981.70	5005.88	5005.88	5013.08	0.002181	21.54	1721.69	134.26	1.00
Reach	398	PF 13	3612.00	4981.70	4989.27	4989.27	4991.90	0.002999	13.01	277.60	53.61	1.01
Reach	159	PF 1	50.00	4975.87	4976.75	4976.75	4977.05	0.005849	4.37	11.43	19.58	1.01
Reach	159	PF 2	100.00	4975.87	4977.11	4977.11	4977.55	0.005146	5.31	18.82	21.74	1.01
Reach	159	PF 3	200.00	4975.87	4977.64	4977.64	4978.28	0.004558	6.38	31.34	24.99	1.00
Reach	159	PF 4	500.00	4975.87	4978.73	4978.73	4979.75	0.003972	8.11	61.68	30.66	1.01
Reach	159	PF 5	1000.00	4975.87	4979.99	4979.99	4981.43	0.003637	9.63	103.87	36.71	1.01
Reach	159	PF 6	1890.00	4975.87	4981.59	4981.59	4983.57	0.003298	11.31	167.12	42.62	1.01
Reach	159	PF 7	4060.00	4975.87	4984.37	4984.37	4987.18	0.002945	13.47	301.43	53.75	1.00
Reach	159	PF 8	7100.00	4975.87	4987.12	4987.12	4990.73	0.002770	15.25	465.54	65.45	1.01
Reach	159	PF 9	13580.00	4975.87	4991.36	4991.36	4996.12	0.002526	17.50	776.08	82.18	1.00
Reach	159	PF 10	20950.00	4975.87	4994.90	4994.90	5000.59	0.002407	19.16	1093.61	97.27	1.01
Reach	159	PF 11	22220.00	4975.87	4995.45	4995.45	5001.27	0.002348	19.35	1151.49	111.11	1.00
Reach	159	PF 12	37000.00	4975.87	5000.63	5000.63	5007.67	0.001879	21.53	1892.06	154.23	0.94
Reach	159	PF 13	3612.00	4975.87	4983.89	4983.89	4986.55	0.002979	13.08	276.19	52.03	1.00

APPENDIX C.2
HEC-RAS Summary Output Files
Project Conditions

Profile Output Table - Standard Table 1

HEC-RAS Plan: Revised Brdg River: Stream Reach: Reach

Rivers = 1
Hydraulic Reaches = 1
River Stations = 89
Plans = 1
Profiles = 13

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Chl
Reach	12605	PF 1	50.00	5063.34	5066.37		5066.38	0.000098	0.70	71.07	30.83	0.08	
Reach	12605	PF 2	100.00	5063.34	5067.07		5067.08	0.000177	1.07	93.46	33.43	0.11	
Reach	12605	PF 3	200.00	5063.34	5067.98		5068.02	0.000306	1.59	125.53	36.96	0.15	
Reach	12605	PF 4	500.00	5063.34	5069.70		5069.80	0.000560	2.57	194.74	43.51	0.21	
Reach	12605	PF 5	1000.00	5063.34	5071.56		5071.75	0.000735	3.57	281.14	48.26	0.26	
Reach	12605	PF 6	1890.00	5063.34	5073.86		5074.23	0.000880	4.85	396.30	51.68	0.30	
Reach	12605	PF 7	4060.00	5063.34	5077.73		5078.48	0.001103	7.00	607.16	57.43	0.35	
Reach	12605	PF 8	7100.00	5063.34	5081.58		5082.83	0.001299	9.13	839.49	63.15	0.40	
Reach	12605	PF 9	13580.00	5063.34	5086.23	5079.38	5087.00	0.000859	8.80	3570.42	1050.99	0.34	
Reach	12605	PF 10	20950.00	5063.34	5086.21		5088.08	0.002062	13.62	3555.04	1049.31	0.53	
Reach	12605	PF 11	22220.00	5063.34	5086.29		5088.29	0.002230	14.20	3634.22	1055.52	0.55	
Reach	12605	PF 12	37000.00	5063.34	5087.82		5089.99	0.002757	16.56	5311.71	1129.87	0.62	
Reach	12605	PF 13	3612.00	5063.34	5077.04		5077.72	0.001065	6.62	568.31	56.41	0.34	
Reach	12390	PF 1	50.00	5064.04	5066.04		5066.13	0.002566	2.38	21.03	17.49	0.38	
Reach	12390	PF 2	100.00	5064.04	5066.63		5066.78	0.003032	3.14	31.88	19.57	0.43	
Reach	12390	PF 3	200.00	5064.04	5067.35		5067.63	0.003968	4.26	47.00	22.04	0.51	
Reach	12390	PF 4	500.00	5064.04	5068.64		5069.27	0.005930	6.40	78.15	26.43	0.66	
Reach	12390	PF 5	1000.00	5064.04	5069.98		5071.12	0.007867	8.58	116.56	30.99	0.78	
Reach	12390	PF 6	1890.00	5064.04	5071.66	5071.20	5073.50	0.009221	10.91	173.39	36.50	0.87	
Reach	12390	PF 7	4060.00	5064.04	5074.61	5074.35	5077.69	0.009257	14.14	293.85	44.85	0.93	
Reach	12390	PF 8	7100.00	5064.04	5078.05	5077.50	5082.03	0.007449	16.25	464.10	54.22	0.88	
Reach	12390	PF 9	13580.00	5064.04	5085.21		5086.01	0.001347	9.76	3386.94	1043.05	0.41	
Reach	12390	PF 10	20950.00	5064.04	5085.65	5085.65	5087.01	0.002396	13.23	3853.42	1064.29	0.55	
Reach	12390	PF 11	22220.00	5064.04	5085.79	5085.79	5087.17	0.002479	13.52	3994.17	1070.88	0.56	
Reach	12390	PF 12	37000.00	5064.04	5087.18		5088.74	0.003028	15.70	5524.35	1120.76	0.62	
Reach	12390	PF 13	3612.00	5064.04	5074.05	5073.74	5076.93	0.009371	13.67	269.15	43.43	0.92	
Reach	12182	PF 1	50.00	5063.51	5064.69		5064.76	0.003172	2.11	23.66	28.23	0.41	
Reach	12182	PF 2	100.00	5063.51	5065.24		5065.34	0.002513	2.50	40.02	30.89	0.39	
Reach	12182	PF 3	200.00	5063.51	5066.05		5066.19	0.002150	3.03	66.09	33.59	0.38	
Reach	12182	PF 4	500.00	5063.51	5067.55		5067.82	0.002301	4.14	120.71	39.65	0.42	
Reach	12182	PF 5	1000.00	5063.51	5069.18		5069.60	0.002519	5.24	190.77	46.36	0.46	
Reach	12182	PF 6	1890.00	5063.51	5071.31		5071.95	0.002345	6.44	296.71	52.79	0.46	
Reach	12182	PF 7	4060.00	5063.51	5075.04		5076.07	0.002238	8.27	513.48	63.79	0.47	
Reach	12182	PF 8	7100.00	5063.51	5079.08		5080.48	0.001993	9.73	804.52	84.78	0.47	
Reach	12182	PF 9	13580.00	5063.51	5085.26		5085.73	0.000663	7.24	4214.79	1073.28	0.29	
Reach	12182	PF 10	20950.00	5063.51	5084.71	5084.71	5086.30	0.002169	12.84	3625.89	1042.23	0.52	
Reach	12182	PF 11	22220.00	5063.51	5084.94	5084.94	5086.48	0.002131	12.83	3872.55	1060.37	0.52	
Reach	12182	PF 12	37000.00	5063.51	5086.34	5086.34	5088.15	0.002782	15.37	5392.67	1113.79	0.60	
Reach	12182	PF 13	3612.00	5063.51	5074.35		5075.32	0.002257	7.97	470.70	61.53	0.47	
Reach	11949	PF 1	50.00	5062.21	5063.60		5063.76	0.005323	3.13	15.96	15.19	0.54	
Reach	11949	PF 2	100.00	5062.21	5064.30		5064.50	0.004445	3.61	27.67	18.38	0.52	
Reach	11949	PF 3	200.00	5062.21	5065.10		5065.37	0.005098	4.19	47.73	28.06	0.57	
Reach	11949	PF 4	500.00	5062.21	5066.41		5066.92	0.005154	5.75	86.90	31.19	0.61	
Reach	11949	PF 5	1000.00	5062.21	5067.78		5068.68	0.006015	7.61	131.33	33.90	0.68	
Reach	11949	PF 6	1890.00	5062.21	5069.45		5070.97	0.007224	9.89	191.03	37.22	0.77	
Reach	11949	PF 7	4060.00	5062.21	5072.22	5071.59	5075.05	0.008425	13.51	302.25	43.91	0.87	
Reach	11949	PF 8	7100.00	5062.21	5075.08	5074.82	5079.41	0.008472	16.83	440.24	53.11	0.92	
Reach	11949	PF 9	13580.00	5062.21	5082.71		5083.46	0.001273	9.44	3295.37	892.57	0.39	

Reach	11949	PF 10	20950.00	5062.21	5082.77	5082.77	5084.48	0.002916	14.32	3350.84	900.06	0.59
Reach	11949	PF 11	22220.00	5062.21	5082.88	5082.88	5084.66	0.003063	14.74	3454.30	934.42	0.61
Reach	11949	PF 12	37000.00	5062.21	5084.53	5084.53	5086.37	0.003477	16.64	5072.64	1018.14	0.66
Reach	11949	PF 13	3612.00	5062.21	5071.74	5071.03	5074.31	0.008344	12.86	281.48	42.45	0.86
Reach	11760	PF 1	50.00	5060.34	5062.80		5062.90	0.003194	2.57	19.49	16.53	0.42
Reach	11760	PF 2	100.00	5060.34	5063.46		5063.60	0.003719	3.04	32.91	23.99	0.46
Reach	11760	PF 3	200.00	5060.34	5064.32		5064.52	0.003301	3.60	55.57	28.47	0.45
Reach	11760	PF 4	500.00	5060.34	5065.58		5066.00	0.004446	5.21	96.00	35.40	0.56
Reach	11760	PF 5	1000.00	5060.34	5066.73		5067.54	0.005790	7.22	138.80	38.71	0.67
Reach	11760	PF 6	1890.00	5060.34	5068.05		5069.57	0.007776	9.93	191.90	42.08	0.80
Reach	11760	PF 7	4060.00	5060.34	5070.18	5070.18	5073.41	0.010345	14.50	286.92	46.78	0.98
Reach	11760	PF 8	7100.00	5060.34	5073.26	5073.26	5077.67	0.008698	17.08	440.77	53.09	0.96
Reach	11760	PF 9	13580.00	5060.34	5082.92	5080.28	5083.17	0.000449	6.12	5066.23	1031.08	0.24
Reach	11760	PF 10	20950.00	5060.34	5081.33	5081.33	5082.84	0.002514	13.69	3560.73	914.40	0.57
Reach	11760	PF 11	22220.00	5060.34	5081.35	5081.35	5083.03	0.002788	14.42	3582.16	914.58	0.60
Reach	11760	PF 12	37000.00	5060.34	5082.63	5082.63	5084.73	0.003732	17.48	4784.29	983.35	0.70
Reach	11760	PF 13	3612.00	5060.34	5069.66	5069.66	5072.69	0.010746	14.01	262.85	45.70	0.99
Reach	11589	PF 1	50.00	5060.40	5061.88	5061.76	5062.16	0.013831	4.23	11.82	14.84	0.84
Reach	11589	PF 2	100.00	5060.40	5062.34	5062.23	5062.75	0.014141	5.11	19.56	18.77	0.88
Reach	11589	PF 3	200.00	5060.40	5062.97	5062.88	5063.53	0.014293	6.00	33.33	25.25	0.92
Reach	11589	PF 4	500.00	5060.40	5064.03	5064.03	5065.01	0.015209	7.95	62.89	32.46	1.01
Reach	11589	PF 5	1000.00	5060.40	5065.23	5065.23	5066.40	0.014197	8.68	115.25	49.66	1.00
Reach	11589	PF 6	1890.00	5060.40	5066.51	5066.51	5068.18	0.012748	10.36	182.51	55.21	1.00
Reach	11589	PF 7	4060.00	5060.40	5069.86	5071.56	5071.56	0.006049	10.46	390.80	69.91	0.76
Reach	11589	PF 8	7100.00	5060.40	5074.37	5075.85	5075.85	0.002859	9.90	772.42	110.69	0.56
Reach	11589	PF 9	13580.00	5060.40	5078.18	5077.56	5079.18	0.001777	9.55	2735.85	930.83	0.46
Reach	11589	PF 10	20950.00	5060.40	5078.79	5078.79	5080.34	0.002856	12.47	3322.38	972.50	0.59
Reach	11589	PF 11	22220.00	5060.40	5078.99	5078.99	5080.51	0.002844	12.56	3511.69	990.51	0.59
Reach	11589	PF 12	37000.00	5060.40	5080.30	5080.30	5082.20	0.003695	15.19	4850.90	1034.39	0.68
Reach	11589	PF 13	3612.00	5060.40	5069.05	5070.85	5070.85	0.007570	10.78	335.80	65.98	0.83
Reach	11395	PF 1	50.00	5057.87	5059.11		5059.28	0.009256	3.36	14.89	19.75	0.68
Reach	11395	PF 2	100.00	5057.87	5059.56		5059.81	0.008797	4.07	24.60	23.50	0.70
Reach	11395	PF 3	200.00	5057.87	5060.18		5060.55	0.008450	4.89	40.93	28.73	0.72
Reach	11395	PF 4	500.00	5057.87	5061.58		5062.04	0.006643	5.43	92.10	45.96	0.68
Reach	11395	PF 5	1000.00	5057.87	5063.48		5063.85	0.004261	4.88	204.81	85.77	0.56
Reach	11395	PF 6	1890.00	5057.87	5065.98		5066.26	0.001430	4.29	444.37	103.32	0.36
Reach	11395	PF 7	4060.00	5057.87	5070.39		5070.70	0.000641	4.54	927.72	115.80	0.27
Reach	11395	PF 8	7100.00	5057.87	5074.96		5075.26	0.000395	4.70	2316.61	838.12	0.23
Reach	11395	PF 9	13580.00	5057.87	5075.63		5076.41	0.001037	7.87	2932.69	1014.19	0.37
Reach	11395	PF 10	20950.00	5057.87	5075.81		5077.56	0.002298	11.82	3126.30	1057.20	0.55
Reach	11395	PF 11	22220.00	5057.87	5076.27		5077.76	0.002010	11.29	3624.86	1114.71	0.52
Reach	11395	PF 12	37000.00	5057.87	5077.74	5077.74	5079.58	0.002627	13.75	5340.51	1226.84	0.60
Reach	11395	PF 13	3612.00	5057.87	5069.58		5069.88	0.000705	4.47	834.40	113.50	0.28
Reach	11169	PF 1	50.00	5055.41	5057.13		5057.27	0.004865	2.95	16.95	15.87	0.50
Reach	11169	PF 2	100.00	5055.41	5057.64		5057.88	0.005769	3.96	25.23	16.93	0.57
Reach	11169	PF 3	200.00	5055.41	5058.29		5058.75	0.007525	5.45	36.71	18.30	0.68
Reach	11169	PF 4	500.00	5055.41	5059.36	5059.20	5060.52	0.012981	8.64	57.84	21.32	0.92
Reach	11169	PF 5	1000.00	5055.41	5060.83	5060.83	5062.65	0.014313	10.82	92.44	25.78	1.01
Reach	11169	PF 6	1890.00	5055.41	5062.83	5062.83	5065.35	0.012792	12.74	149.38	31.75	0.99
Reach	11169	PF 7	4060.00	5055.41	5066.26	5066.26	5069.96	0.010562	15.65	273.12	39.85	0.96
Reach	11169	PF 8	7100.00	5055.41	5069.90	5069.90	5074.65	0.008675	18.10	437.36	50.42	0.93
Reach	11169	PF 9	13580.00	5055.41	5074.46	5074.46	5075.64	0.002666	12.46	2933.08	1176.71	0.54
Reach	11169	PF 10	20950.00	5055.41	5075.38	5075.38	5076.53	0.002958	13.61	4065.84	1255.91	0.58
Reach	11169	PF 11	22220.00	5055.41	5075.50	5075.50	5076.66	0.003045	13.87	4207.09	1259.64	0.58
Reach	11169	PF 12	37000.00	5055.41	5076.38	5076.38	5077.99	0.004508	17.44	5336.94	1308.99	0.72
Reach	11169	PF 13	3612.00	5055.41	5065.60	5065.60	5069.12	0.011161	15.23	247.56	38.05	0.97
Reach	10905	PF 1	50.00	5054.41	5056.28		5056.30	0.001173	1.32	37.80	43.25	0.25
Reach	10905	PF 2	100.00	5054.41	5056.75		5056.79	0.001278	1.58	63.44	59.54	0.27

Reach	10905	PF 3	200.00	5054.41	5057.37		5057.43	0.001204	1.91	104.54	70.12	0.28
Reach	10905	PF 4	500.00	5054.41	5058.66		5058.75	0.001289	2.33	214.64	112.64	0.30
Reach	10905	PF 5	1000.00	5054.41	5060.03		5060.12	0.000882	2.47	405.19	146.16	0.26
Reach	10905	PF 6	1890.00	5054.41	5061.89		5062.01	0.000588	2.77	682.58	151.89	0.23
Reach	10905	PF 7	4060.00	5054.41	5065.64		5065.80	0.000370	3.20	1279.37	165.46	0.20
Reach	10905	PF 8	7100.00	5054.41	5068.83		5069.07	0.000367	3.95	1820.73	175.98	0.21
Reach	10905	PF 9	13580.00	5054.41	5071.08		5071.53	0.000594	5.69	3379.80	1137.90	0.28
Reach	10905	PF 10	20950.00	5054.41	5071.85		5072.61	0.000989	7.63	4343.19	1298.30	0.36
Reach	10905	PF 11	22220.00	5054.41	5072.03		5072.81	0.001025	7.83	4570.37	1317.39	0.37
Reach	10905	PF 12	37000.00	5054.41	5073.12		5074.40	0.001698	10.59	6101.87	1457.46	0.48
Reach	10905	PF 13	3612.00	5054.41	5064.93		5065.08	0.000395	3.12	1162.44	163.50	0.20
Reach	10631	PF 1	50.00	5054.36	5055.31		5055.53	0.014216	3.78	13.22	20.32	0.83
Reach	10631	PF 2	100.00	5054.36	5055.73		5056.03	0.012341	4.36	22.96	25.63	0.81
Reach	10631	PF 3	200.00	5054.36	5056.32		5056.71	0.010238	5.03	39.75	30.91	0.78
Reach	10631	PF 4	500.00	5054.36	5057.43		5058.04	0.009216	6.27	79.70	40.75	0.79
Reach	10631	PF 5	1000.00	5054.36	5058.55		5059.49	0.008880	7.75	128.98	46.32	0.82
Reach	10631	PF 6	1890.00	5054.36	5060.24		5061.46	0.007294	8.85	213.44	53.64	0.78
Reach	10631	PF 7	4060.00	5054.36	5063.95		5065.39	0.003712	9.64	427.29	60.94	0.62
Reach	10631	PF 8	7100.00	5054.36	5065.50		5068.48	0.006037	13.92	524.29	65.64	0.81
Reach	10631	PF 9	13580.00	5054.36	5070.59		5071.25	0.001341	8.83	3841.28	1526.87	0.41
Reach	10631	PF 10	20950.00	5054.36	5070.97	5070.97	5072.06	0.002329	11.85	4418.44	1543.33	0.55
Reach	10631	PF 11	22220.00	5054.36	5070.99	5070.99	5072.19	0.002572	12.46	4453.87	1544.33	0.58
Reach	10631	PF 12	37000.00	5054.36	5072.04	5072.04	5073.43	0.003278	14.73	6102.46	1602.30	0.66
Reach	10631	PF 13	3612.00	5054.36	5063.28		5064.66	0.004030	9.44	386.66	59.66	0.64
Reach	10338	PF 1	50.00	5050.27	5051.62		5051.73	0.004331	2.63	19.04	20.39	0.48
Reach	10338	PF 2	100.00	5050.27	5052.28		5052.42	0.003202	3.02	33.13	22.66	0.44
Reach	10338	PF 3	200.00	5050.27	5053.27		5053.45	0.002618	3.48	57.43	27.00	0.42
Reach	10338	PF 4	500.00	5050.27	5055.03		5055.33	0.002551	4.42	113.14	36.30	0.44
Reach	10338	PF 5	1000.00	5050.27	5057.14		5057.51	0.003047	4.86	205.73	65.84	0.48
Reach	10338	PF 6	1890.00	5050.27	5059.81		5060.14	0.001472	4.57	413.95	83.02	0.36
Reach	10338	PF 7	4060.00	5050.27	5064.11		5064.52	0.000932	5.15	788.27	91.83	0.31
Reach	10338	PF 8	7100.00	5050.27	5066.18		5066.98	0.001414	7.21	1087.76	587.42	0.39
Reach	10338	PF 9	13580.00	5050.27	5066.36	5064.26	5069.10	0.004784	13.41	1192.89	596.63	0.72
Reach	10338	PF 10	20950.00	5050.27	5068.86	5068.86	5070.40	0.002817	11.81	3330.94	1290.79	0.57
Reach	10338	PF 11	22220.00	5050.27	5069.02	5069.02	5070.57	0.002858	12.00	3549.57	1395.60	0.57
Reach	10338	PF 12	37000.00	5050.27	5070.42	5070.42	5072.02	0.003232	13.62	5625.09	1545.12	0.62
Reach	10338	PF 13	3612.00	5050.27	5063.37		5063.76	0.000977	5.01	720.99	89.72	0.31
Reach	10172	PF 1	50.00	5049.19	5051.28		5051.31	0.000661	1.37	36.59	25.43	0.20
Reach	10172	PF 2	100.00	5049.19	5052.05		5052.10	0.000715	1.73	57.92	29.89	0.22
Reach	10172	PF 3	200.00	5049.19	5053.08		5053.15	0.001270	2.08	96.14	58.24	0.29
Reach	10172	PF 4	500.00	5049.19	5054.97		5055.05	0.000670	2.30	217.30	69.49	0.23
Reach	10172	PF 5	1000.00	5049.19	5057.12		5057.22	0.000539	2.56	391.23	90.63	0.22
Reach	10172	PF 6	1890.00	5049.19	5059.83		5059.96	0.000396	2.90	653.94	101.04	0.20
Reach	10172	PF 7	4060.00	5049.19	5064.16		5064.37	0.000333	3.71	1123.67	444.60	0.20
Reach	10172	PF 8	7100.00	5049.19	5066.40		5066.71	0.000429	4.77	2185.53	688.05	0.23
Reach	10172	PF 9	13580.00	5049.19	5067.52		5068.19	0.000922	7.39	3187.45	1137.76	0.34
Reach	10172	PF 10	20950.00	5049.19	5069.07		5069.71	0.000951	8.04	5272.56	1460.11	0.36
Reach	10172	PF 11	22220.00	5049.19	5069.22		5069.88	0.000986	8.24	5485.39	1465.26	0.36
Reach	10172	PF 12	37000.00	5049.19	5070.26		5071.25	0.001565	10.82	7022.40	1497.02	0.46
Reach	10172	PF 13	3612.00	5049.19	5063.41		5063.61	0.000336	3.56	1038.32	192.52	0.20
Reach	10003	PF 1	50.00	5048.35	5051.14		5051.17	0.000671	1.34	37.41	27.24	0.20
Reach	10003	PF 2	100.00	5048.35	5051.90		5051.94	0.000786	1.63	61.30	37.32	0.22
Reach	10003	PF 3	200.00	5048.35	5052.89		5052.96	0.000722	1.97	101.30	43.27	0.23
Reach	10003	PF 4	500.00	5048.35	5054.79		5054.89	0.000680	2.61	191.22	50.25	0.24
Reach	10003	PF 5	1000.00	5048.35	5056.93		5057.10	0.000675	3.28	305.24	55.55	0.25
Reach	10003	PF 6	1890.00	5048.35	5059.59		5059.85	0.000685	4.13	461.15	62.28	0.26
Reach	10003	PF 7	4060.00	5048.35	5063.78		5064.26	0.000789	5.61	749.09	462.55	0.29
Reach	10003	PF 8	7100.00	5048.35	5066.15		5066.60	0.000743	6.16	2133.76	957.58	0.29
Reach	10003	PF 9	13580.00	5048.35	5066.89		5067.86	0.001703	9.66	2886.79	1179.27	0.45

Reach	10003	PF 10	20950.00	5048.35	5067.03		5069.17	0.003794	14.50	3050.60	1210.93	0.67
Reach	10003	PF 11	22220.00	5048.35	5067.16		5069.36	0.003927	14.84	3212.33	1239.08	0.68
Reach	10003	PF 12	37000.00	5048.35	5070.01		5070.86	0.001801	11.32	7016.59	1373.63	0.48
Reach	10003	PF 13	3612.00	5048.35	5063.06		5063.50	0.000766	5.34	696.02	413.85	0.29
Reach	9941	PF 1	50.00	5048.63	5051.06		5051.11	0.001279	1.86	26.88	19.09	0.28
Reach	9941	PF 2	100.00	5048.63	5051.78		5051.87	0.001536	2.36	42.43	24.17	0.31
Reach	9941	PF 3	200.00	5048.63	5052.75		5052.88	0.001643	2.95	67.89	28.87	0.34
Reach	9941	PF 4	500.00	5048.63	5054.57		5054.81	0.001701	3.96	126.17	34.29	0.36
Reach	9941	PF 5	1000.00	5048.63	5056.63		5057.01	0.001767	4.95	202.14	39.39	0.38
Reach	9941	PF 6	1890.00	5048.63	5059.18		5059.75	0.001906	6.09	310.32	45.67	0.41
Reach	9941	PF 7	4060.00	5048.63	5063.16		5064.13	0.002210	7.94	511.69	444.22	0.46
Reach	9941	PF 8	7100.00	5048.63	5066.15		5066.53	0.000937	6.22	2333.83	1057.44	0.31
Reach	9941	PF 9	13580.00	5048.63	5066.94		5067.68	0.001948	9.35	3241.79	1225.02	0.46
Reach	9941	PF 10	20950.00	5048.63	5067.75		5068.60	0.002418	10.84	4227.86	1258.74	0.51
Reach	9941	PF 11	22220.00	5048.63	5067.93		5068.77	0.002380	10.85	4449.71	1269.22	0.51
Reach	9941	PF 12	37000.00	5048.63	5070.04		5070.69	0.001814	10.40	7108.47	1349.88	0.46
Reach	9941	PF 13	3612.00	5048.63	5062.48		5063.38	0.002172	7.61	474.48	315.07	0.45
Reach	9880	PF 1	50.00	5048.15	5050.96		5051.02	0.001608	2.05	24.37	17.37	0.31
Reach	9880	PF 2	100.00	5048.15	5051.65		5051.76	0.001936	2.65	37.78	21.09	0.35
Reach	9880	PF 3	200.00	5048.15	5052.59		5052.76	0.002144	3.36	59.52	24.73	0.38
Reach	9880	PF 4	500.00	5048.15	5054.33		5054.68	0.002483	4.73	105.75	28.31	0.43
Reach	9880	PF 5	1000.00	5048.15	5056.29		5056.86	0.002797	6.06	165.13	32.36	0.47
Reach	9880	PF 6	1890.00	5048.15	5058.67		5059.57	0.003158	7.62	248.69	39.58	0.52
Reach	9880	PF 7	4060.00	5048.15	5062.46		5063.92	0.003211	9.88	442.10	325.80	0.55
Reach	9880	PF 8	7100.00	5048.15	5065.85		5066.44	0.001392	7.91	2167.46	1190.72	0.38
Reach	9880	PF 9	13580.00	5048.15	5066.59	5066.59	5067.52	0.002508	11.01	3019.57	1242.19	0.52
Reach	9880	PF 10	20950.00	5048.15	5067.56		5068.45	0.002654	11.84	4147.84	1263.79	0.54
Reach	9880	PF 11	22220.00	5048.15	5067.77		5068.62	0.002545	11.71	4398.32	1268.53	0.53
Reach	9880	PF 12	37000.00	5048.15	5069.94		5070.58	0.001846	10.90	7016.50	1318.28	0.46
Reach	9880	PF 13	3612.00	5048.15	5061.80		5063.17	0.003270	9.52	402.33	273.38	0.55
Reach	9809	PF 1	50.00	5047.80	5050.73		5050.86	0.003218	2.86	17.47	12.04	0.42
Reach	9809	PF 2	100.00	5047.80	5051.28		5051.54	0.005109	4.04	24.73	14.38	0.54
Reach	9809	PF 3	200.00	5047.80	5052.01		5052.47	0.007715	5.49	36.42	18.40	0.69
Reach	9809	PF 4	500.00	5047.80	5053.47		5054.33	0.008576	7.43	67.29	22.98	0.77
Reach	9809	PF 5	1000.00	5047.80	5055.19		5056.47	0.008483	9.07	110.31	27.09	0.79
Reach	9809	PF 6	1890.00	5047.80	5057.23		5059.13	0.008564	11.07	173.74	36.56	0.83
Reach	9809	PF 7	4060.00	5047.80	5061.01		5063.51	0.006303	13.04	343.26	152.86	0.77
Reach	9809	PF 8	7100.00	5047.80	5065.89		5066.31	0.001117	7.34	2518.27	1205.62	0.35
Reach	9809	PF 9	13580.00	5047.80	5066.22	5066.22	5067.27	0.002965	12.14	2885.22	1223.32	0.57
Reach	9809	PF 10	20950.00	5047.80	5067.48		5068.25	0.002448	11.68	4306.72	1259.03	0.52
Reach	9809	PF 11	22220.00	5047.80	5067.69		5068.42	0.002360	11.57	4546.86	1261.90	0.52
Reach	9809	PF 12	37000.00	5047.80	5069.85		5070.46	0.001783	10.96	7080.44	1312.23	0.46
Reach	9809	PF 13	3612.00	5047.80	5060.31	5059.44	5062.74	0.006752	12.78	305.54	51.61	0.78
Reach	9764	PF 1	50.00	5047.88	5050.41	5050.04	5050.62	0.009741	3.68	13.57	15.23	0.69
Reach	9764	PF 2	100.00	5047.88	5050.94	5050.64	5051.24	0.008787	4.37	22.91	18.33	0.69
Reach	9764	PF 3	200.00	5047.88	5051.57	5051.23	5052.08	0.009712	5.73	34.92	19.65	0.76
Reach	9764	PF 4	500.00	5047.88	5053.02		5053.92	0.009480	7.64	65.44	22.66	0.79
Reach	9764	PF 5	1000.00	5047.88	5054.70		5056.05	0.009752	9.34	107.05	27.51	0.83
Reach	9764	PF 6	1890.00	5047.88	5056.95		5058.68	0.009285	10.55	179.10	37.04	0.85
Reach	9764	PF 7	4060.00	5047.88	5060.97		5063.14	0.006004	11.89	352.61	195.40	0.73
Reach	9764	PF 8	7100.00	5047.88	5065.93		5066.24	0.000884	6.22	2705.77	1200.22	0.30
Reach	9764	PF 9	13580.00	5047.88	5065.98		5067.05	0.003081	11.65	2761.43	1201.47	0.56
Reach	9764	PF 10	20950.00	5047.88	5067.42		5068.13	0.002275	10.72	4330.45	1241.51	0.49
Reach	9764	PF 11	22220.00	5047.88	5067.62		5068.31	0.002224	10.69	4553.97	1246.61	0.49
Reach	9764	PF 12	37000.00	5047.88	5069.77		5070.38	0.001760	10.41	7025.03	1310.18	0.44
Reach	9764	PF 13	3612.00	5047.88	5060.26		5062.34	0.006303	11.62	317.75	47.83	0.74
Reach	9698	PF 1	50.00	5047.48	5049.24	5049.24	5049.69	0.020570	5.39	9.28	10.56	1.01

Reach	9698	PF 2	100.00	5047.48	5049.80	5049.80	5050.39	0.018644	6.16	16.23	14.04	1.01
Reach	9698	PF 3	200.00	5047.48	5050.70	5050.53	5051.35	0.012441	6.43	31.11	18.52	0.87
Reach	9698	PF 4	500.00	5047.48	5052.61		5053.32	0.007172	6.75	74.10	26.73	0.71
Reach	9698	PF 5	1000.00	5047.48	5054.55		5055.41	0.005793	7.43	134.52	35.53	0.67
Reach	9698	PF 6	1890.00	5047.48	5057.10		5058.08	0.003832	7.97	245.14	55.12	0.58
Reach	9698	PF 7	4060.00	5047.48	5061.54		5062.58	0.002086	8.60	554.75	384.67	0.47
Reach	9698	PF 8	7100.00	5047.48	5065.94		5066.17	0.000524	5.48	3118.87	1176.98	0.25
Reach	9698	PF 9	13580.00	5047.48	5066.05		5066.82	0.001764	10.10	3229.08	1180.95	0.46
Reach	9698	PF 10	20950.00	5047.48	5067.28		5068.00	0.001769	10.67	4505.93	1212.40	0.47
Reach	9698	PF 11	22220.00	5047.48	5067.47		5068.19	0.001768	10.75	4703.85	1216.72	0.47
Reach	9698	PF 12	37000.00	5047.48	5069.59		5070.27	0.001587	11.06	6999.33	1275.70	0.46
Reach	9698	PF 13	3612.00	5047.48	5060.77		5061.79	0.002242	8.46	491.90	233.97	0.49
Reach	9635	PF 1	50.00	5046.83	5048.95		5049.03	0.002455	2.34	21.36	17.60	0.37
Reach	9635	PF 2	100.00	5046.83	5049.74		5049.85	0.002102	2.74	36.51	20.93	0.37
Reach	9635	PF 3	200.00	5046.83	5050.77		5050.94	0.002044	3.31	60.48	25.31	0.38
Reach	9635	PF 4	500.00	5046.83	5052.69		5052.97	0.002134	4.21	118.69	35.50	0.41
Reach	9635	PF 5	1000.00	5046.83	5054.67		5055.07	0.002120	5.05	197.88	44.49	0.42
Reach	9635	PF 6	1890.00	5046.83	5057.28		5057.79	0.001611	5.78	340.38	62.81	0.39
Reach	9635	PF 7	4060.00	5046.83	5061.67		5062.38	0.001216	7.03	640.52	408.82	0.37
Reach	9635	PF 8	7100.00	5046.83	5065.92		5066.14	0.000405	5.04	3180.61	1137.40	0.23
Reach	9635	PF 9	13580.00	5046.83	5065.18		5066.64	0.002482	12.07	2494.55	1104.74	0.56
Reach	9635	PF 10	20950.00	5046.83	5066.90		5067.87	0.001888	11.34	4128.31	1172.57	0.49
Reach	9635	PF 11	22220.00	5046.83	5067.09		5068.05	0.001899	11.45	4311.82	1176.38	0.50
Reach	9635	PF 12	37000.00	5046.83	5069.27		5070.16	0.001749	11.94	6491.76	1244.53	0.49
Reach	9635	PF 13	3612.00	5046.83	5060.91		5061.59	0.001243	6.78	585.40	302.85	0.37
Reach	9586	PF 1	50.00	5046.37	5048.86		5048.93	0.001788	2.12	23.63	17.75	0.32
Reach	9586	PF 2	100.00	5046.37	5049.65		5049.75	0.001748	2.53	39.60	22.36	0.33
Reach	9586	PF 3	200.00	5046.37	5050.70		5050.84	0.001749	3.02	66.14	28.42	0.35
Reach	9586	PF 4	500.00	5046.37	5052.63		5052.86	0.001668	3.80	131.67	38.46	0.36
Reach	9586	PF 5	1000.00	5046.37	5054.62		5054.96	0.001625	4.69	213.02	43.24	0.37
Reach	9586	PF 6	1890.00	5046.37	5057.21		5057.71	0.001619	5.68	332.95	49.39	0.39
Reach	9586	PF 7	4060.00	5046.37	5061.51		5062.31	0.001645	7.16	567.91	399.51	0.41
Reach	9586	PF 8	7100.00	5046.37	5065.92		5066.11	0.000411	4.57	3133.69	1109.17	0.22
Reach	9586	PF 9	13580.00	5046.37	5065.36		5066.41	0.002205	10.30	2649.58	1096.49	0.50
Reach	9586	PF 10	20950.00	5046.37	5066.86		5067.76	0.002021	10.58	3965.30	1145.49	0.48
Reach	9586	PF 11	22220.00	5046.37	5067.04		5067.95	0.002056	10.76	4123.12	1151.15	0.49
Reach	9586	PF 12	37000.00	5046.37	5069.17		5070.07	0.001955	11.45	6122.51	1214.49	0.49
Reach	9586	PF 13	3612.00	5046.37	5060.77		5061.51	0.001652	6.89	524.09	334.84	0.40
Reach	9543	PF 1	50.00	5046.17	5048.79		5048.86	0.001387	2.01	24.88	16.45	0.29
Reach	9543	PF 2	100.00	5046.17	5049.58		5049.68	0.001613	2.55	39.24	20.25	0.32
Reach	9543	PF 3	200.00	5046.17	5050.60		5050.76	0.001843	3.20	62.57	25.33	0.36
Reach	9543	PF 4	500.00	5046.17	5052.49		5052.77	0.001961	4.27	117.13	31.46	0.39
Reach	9543	PF 5	1000.00	5046.17	5054.39		5054.87	0.002273	5.52	181.19	36.09	0.43
Reach	9543	PF 6	1890.00	5046.17	5056.90		5057.60	0.002455	6.75	280.04	42.95	0.47
Reach	9543	PF 7	4060.00	5046.17	5061.11		5062.19	0.002450	8.37	487.09	369.66	0.49
Reach	9543	PF 8	7100.00	5046.17	5065.92		5066.09	0.000404	4.51	3205.24	1103.82	0.21
Reach	9543	PF 9	13580.00	5046.17	5065.36		5066.28	0.002162	10.14	2742.67	1091.41	0.49
Reach	9543	PF 10	20950.00	5046.17	5066.83		5067.66	0.002032	10.53	3978.18	1136.42	0.48
Reach	9543	PF 11	22220.00	5046.17	5067.00		5067.85	0.002076	10.73	4125.21	1141.58	0.49
Reach	9543	PF 12	37000.00	5046.17	5069.10		5069.99	0.002033	11.58	6013.33	1204.27	0.49
Reach	9543	PF 13	3612.00	5046.17	5060.38		5061.40	0.002522	8.09	446.27	243.38	0.49
Reach	9499	PF 1	50.00	5045.89	5048.63		5048.76	0.003386	2.89	17.32	12.20	0.43
Reach	9499	PF 2	100.00	5045.89	5049.35		5049.56	0.004008	3.70	27.06	14.85	0.48
Reach	9499	PF 3	200.00	5045.89	5050.28		5050.62	0.004861	4.69	42.64	18.93	0.55
Reach	9499	PF 4	500.00	5045.89	5052.11		5052.61	0.005697	5.72	87.34	33.22	0.62
Reach	9499	PF 5	1000.00	5045.89	5054.20		5054.74	0.003507	5.91	169.31	42.33	0.52
Reach	9499	PF 6	1890.00	5045.89	5056.82		5057.48	0.002614	6.53	292.65	53.03	0.47
Reach	9499	PF 7	4060.00	5045.89	5061.14		5062.04	0.002013	7.68	548.60	406.23	0.44
Reach	9499	PF 8	7100.00	5045.89	5065.92		5066.07	0.000363	4.23	3265.55	1094.99	0.20

Reach	9499	PF 9	13580.00	5045.89	5065.37		5066.16	0.001883	9.38	2839.23	1083.76	0.46
Reach	9499	PF 10	20950.00	5045.89	5066.77		5067.57	0.001932	10.16	3943.44	1118.76	0.47
Reach	9499	PF 11	22220.00	5045.89	5066.93		5067.76	0.001993	10.39	4072.29	1122.24	0.48
Reach	9499	PF 12	37000.00	5045.89	5068.93		5069.89	0.002119	11.67	5726.72	1163.29	0.50
Reach	9499	PF 13	3612.00	5045.89	5060.40		5061.24	0.002059	7.45	501.34	359.05	0.44
Reach	9431	PF 1	50.00	5045.93	5048.58	5047.44	5048.62	0.000979	1.59	31.53	23.56	0.24
Reach	9431	PF 2	100.00	5045.93	5049.34	5047.91	5049.40	0.000985	1.97	50.75	27.18	0.25
Reach	9431	PF 3	200.00	5045.93	5050.31	5048.55	5050.41	0.001104	2.52	79.35	31.63	0.28
Reach	9431	PF 4	500.00	5045.93	5052.17	5049.68	5052.35	0.001319	3.38	147.95	42.97	0.32
Reach	9431	PF 5	1000.00	5045.93	5054.26	5051.04	5054.52	0.001236	4.05	246.61	51.18	0.33
Reach	9431	PF 6	1890.00	5045.93	5056.92	5052.73	5057.27	0.001125	4.79	395.02	60.15	0.33
Reach	9431	PF 7	4060.00	5045.93	5061.27	5055.39	5061.85	0.001030	6.12	691.32	467.68	0.33
Reach	9431	PF 8	7100.00	5045.93	5065.91	5058.00	5066.04	0.000255	3.88	3444.34	1087.71	0.17
Reach	9431	PF 9	13580.00	5045.93	5065.35	5064.08	5066.02	0.001252	8.39	3047.43	1073.34	0.39
Reach	9431	PF 10	20950.00	5045.93	5066.64	5065.24	5067.45	0.001538	9.83	3972.35	1100.84	0.43
Reach	9431	PF 11	22220.00	5045.93	5066.77	5065.39	5067.63	0.001622	10.15	4070.44	1103.26	0.45
Reach	9431	PF 12	37000.00	5045.93	5068.58	5066.94	5069.74	0.002059	12.28	5429.23	1139.52	0.51
Reach	9431	PF 13	3612.00	5045.93	5060.52	5054.91	5061.05	0.001033	5.86	629.24	396.00	0.33
Reach	9345	PF 1	50.00	5046.13	5047.89	5047.89	5048.35	0.019213	5.48	9.13	9.50	0.98
Reach	9345	PF 2	100.00	5046.13	5048.49	5048.49	5049.12	0.017651	6.34	15.76	12.30	0.99
Reach	9345	PF 3	200.00	5046.13	5049.30	5049.30	5050.10	0.016528	7.16	27.94	17.38	0.99
Reach	9345	PF 4	500.00	5046.13	5050.71	5050.71	5051.97	0.014485	9.03	55.36	21.40	0.99
Reach	9345	PF 5	1000.00	5046.13	5052.32	5052.32	5054.11	0.013352	10.76	92.97	25.32	0.99
Reach	9345	PF 6	1890.00	5046.13	5054.38	5054.38	5056.83	0.012649	12.58	150.24	30.33	1.00
Reach	9345	PF 7	4060.00	5046.13	5057.95	5057.95	5061.36	0.010451	14.87	278.95	42.75	0.96
Reach	9345	PF 8	7100.00	5046.13	5061.26	5061.26	5065.56	0.008600	17.08	474.80	606.23	0.92
Reach	9345	PF 9	13580.00	5046.13	5064.41	5064.41	5065.79	0.003432	12.83	2156.89	1019.74	0.61
Reach	9345	PF 10	20950.00	5046.13	5065.27	5065.27	5067.14	0.004740	15.70	2681.84	1049.70	0.72
Reach	9345	PF 11	22220.00	5046.13	5065.65	5065.65	5067.34	0.004269	15.16	2928.55	1069.10	0.69
Reach	9345	PF 12	37000.00	5046.13	5067.05	5067.05	5069.36	0.005626	18.46	3848.68	1104.32	0.80
Reach	9345	PF 13	3612.00	5046.13	5057.28	5057.28	5060.57	0.010956	14.58	251.26	40.16	0.97
Reach	9272.528	PF 1	50.00	5045.42	5046.14	5045.98	5046.30	0.009582	3.17	15.79	23.43	0.68
Reach	9272.528	PF 2	100.00	5045.42	5046.50	5046.29	5046.76	0.009658	4.07	24.54	24.95	0.72
Reach	9272.528	PF 3	200.00	5045.42	5047.31	5046.81	5047.61	0.005654	4.33	46.17	28.35	0.60
Reach	9272.528	PF 4	500.00	5045.42	5048.00	5047.90	5048.77	0.012658	7.04	71.04	38.54	0.91
Reach	9272.528	PF 5	1000.00	5045.42	5048.98	5048.98	5050.25	0.013349	9.05	110.48	42.43	0.99
Reach	9272.528	PF 6	1890.00	5045.42	5050.41	5050.41	5052.21	0.012294	10.79	175.14	48.14	1.00
Reach	9272.528	PF 7	4060.00	5045.42	5053.01	5052.90	5055.61	0.010703	12.94	313.83	58.54	0.98
Reach	9272.528	PF 8	7100.00	5045.42	5056.41	5055.57	5059.13	0.007341	13.23	536.51	72.17	0.86
Reach	9272.528	PF 9	13580.00	5045.42	5059.80	5059.80	5064.22	0.008775	16.88	810.87	473.82	0.97
Reach	9272.528	PF 10	20950.00	5045.42	5063.72	5063.72	5065.92	0.003653	13.58	2391.44	995.31	0.66
Reach	9272.528	PF 11	22220.00	5045.42	5063.96	5063.96	5066.19	0.003685	13.81	2515.28	1003.93	0.67
Reach	9272.528	PF 12	37000.00	5045.42	5066.89	5066.12	5068.86	0.002979	14.17	4189.00	1091.58	0.62
Reach	9272.528	PF 13	3612.00	5045.42	5052.53	5052.53	5055.00	0.010982	12.62	286.28	56.63	0.99
Reach	9230.287	PF 1	50.00	5045.01	5045.72	5045.58	5045.88	0.010011	3.21	15.58	23.39	0.69
Reach	9230.287	PF 2	100.00	5045.01	5046.08	5045.90	5046.35	0.009930	4.11	24.33	24.91	0.73
Reach	9230.287	PF 3	200.00	5045.01	5047.06	5046.40	5047.29	0.008970	3.85	51.90	54.40	0.70
Reach	9230.287	PF 4	500.00	5045.01	5047.63	5047.49	5048.19	0.012101	5.97	83.72	56.69	0.87
Reach	9230.287	PF 5	1000.00	5045.01	5048.32	5048.32	5049.34	0.014211	8.10	123.43	59.43	0.99
Reach	9230.287	PF 6	1890.00	5045.01	5050.16	5049.44	5051.12	0.006590	7.89	239.57	66.79	0.73
Reach	9230.287	PF 7	4060.00	5045.01	5053.95	5051.52	5054.89	0.003048	7.79	521.43	81.95	0.54
Reach	9230.287	PF 8	7100.00	5045.01	5057.33	5053.66	5058.49	0.002539	8.64	821.85	95.49	0.52
Reach	9230.287	PF 9	13580.00	5045.01	5057.40	5057.32	5061.57	0.009091	16.40	828.11	95.75	0.98
Reach	9230.287	PF 10	20950.00	5045.01	5062.54	5062.54	5065.21	0.003858	13.81	1989.00	932.19	0.68
Reach	9230.287	PF 11	22220.00	5045.01	5062.81	5062.81	5065.53	0.003893	14.06	2101.52	933.56	0.69
Reach	9230.287	PF 12	37000.00	5045.01	5065.27	5065.27	5068.57	0.004276	16.54	3146.79	995.99	0.74
Reach	9230.287	PF 13	3612.00	5045.01	5053.26	5051.10	5054.19	0.003348	7.75	465.76	79.18	0.56
Reach	9181.677	PF 1	50.00	5044.53	5045.25	5045.09	5045.40	0.009760	3.18	15.70	23.41	0.69

Reach	9181.677	PF 2	100.00	5044.53	5045.61	5045.42	5045.87	0.009763	4.09	24.46	24.93	0.73
Reach	9181.677	PF 3	200.00	5044.53	5046.65	5045.92	5046.83	0.009326	3.46	57.79	73.57	0.69
Reach	9181.677	PF 4	500.00	5044.53	5047.16	5047.00	5047.58	0.011278	5.22	95.74	75.60	0.82
Reach	9181.677	PF 5	1000.00	5044.53	5048.11	5047.64	5048.65	0.007232	5.90	169.42	79.40	0.71
Reach	9181.677	PF 6	1890.00	5044.53	5050.34	5048.61	5050.78	0.002519	5.30	356.82	88.34	0.46
Reach	9181.677	PF 7	4060.00	5044.53	5054.17	5050.32	5054.66	0.001382	5.61	724.09	103.64	0.37
Reach	9181.677	PF 8	7100.00	5044.53	5057.61	5052.27	5058.25	0.001235	6.43	1104.72	117.41	0.37
Reach	9181.677	PF 9	13580.00	5044.53	5058.78	5055.41	5060.63	0.003206	10.91	1244.93	383.95	0.60
Reach	9181.677	PF 10	20950.00	5044.53	5058.96	5058.25	5063.21	0.007259	16.54	1266.81	397.07	0.91
Reach	9181.677	PF 11	22220.00	5044.53	5058.87	5058.70	5063.73	0.008384	17.70	1255.14	388.64	0.97
Reach	9181.677	PF 12	37000.00	5044.53	5063.91	5063.91	5068.24	0.005064	17.50	2525.16	947.24	0.80
Reach	9181.677	PF 13	3612.00	5044.53	5053.47	5050.02	5053.95	0.001485	5.53	652.95	100.86	0.38
Reach	9130.546	PF 1	50.00	5044.03	5044.74	5044.58	5044.90	0.009873	3.20	15.64	23.40	0.69
Reach	9130.546	PF 2	100.00	5044.03	5045.11	5044.91	5045.37	0.009854	4.10	24.39	24.92	0.73
Reach	9130.546	PF 3	200.00	5044.03	5046.18	5045.42	5046.34	0.009587	3.20	62.41	91.08	0.68
Reach	9130.546	PF 4	500.00	5044.03	5046.64	5046.48	5046.99	0.011047	4.77	104.77	92.92	0.79
Reach	9130.546	PF 5	1000.00	5044.03	5048.07	5047.05	5048.34	0.002999	4.12	242.48	98.67	0.46
Reach	9130.546	PF 6	1890.00	5044.03	5050.39	5047.88	5050.63	0.001270	3.92	481.73	107.93	0.33
Reach	9130.546	PF 7	4060.00	5044.03	5054.25	5049.42	5054.54	0.000826	4.38	927.83	123.36	0.28
Reach	9130.546	PF 8	7100.00	5044.03	5057.72	5051.07	5058.13	0.000799	5.14	1380.74	225.87	0.29
Reach	9130.546	PF 9	13580.00	5044.03	5059.14	5053.96	5060.29	0.001992	8.60	1579.74	452.74	0.46
Reach	9130.546	PF 10	20950.00	5044.03	5060.05	5056.56	5062.37	0.003772	12.23	1736.18	777.92	0.63
Reach	9130.546	PF 11	22220.00	5044.03	5060.20	5056.97	5062.74	0.004080	12.79	1770.87	798.20	0.66
Reach	9130.546	PF 12	37000.00	5044.03	5061.96	5061.96	5066.90	0.007078	18.06	2190.72	848.81	0.88
Reach	9130.546	PF 13	3612.00	5044.03	5053.55	5049.09	5053.83	0.000868	4.29	842.49	120.56	0.29
Reach	9079.769	PF 1	50.00	5043.53	5044.25	5044.10	5044.40	0.009827	3.19	15.67	23.40	0.69
Reach	9079.769	PF 2	100.00	5043.53	5044.61	5044.42	5044.87	0.009838	4.10	24.40	24.92	0.73
Reach	9079.769	PF 3	200.00	5043.53	5045.68	5044.90	5045.83	0.009931	3.06	65.26	104.72	0.68
Reach	9079.769	PF 4	500.00	5043.53	5046.16	5045.96	5046.45	0.009614	4.34	115.30	106.61	0.73
Reach	9079.769	PF 5	1000.00	5043.53	5048.06	5046.49	5048.20	0.001376	3.08	324.85	114.20	0.32
Reach	9079.769	PF 6	1890.00	5043.53	5050.40	5047.24	5050.55	0.000714	3.13	603.92	123.59	0.25
Reach	9079.769	PF 7	4060.00	5043.53	5054.28	5048.64	5054.48	0.000524	3.65	1112.79	139.09	0.23
Reach	9079.769	PF 8	7100.00	5043.53	5057.77	5050.22	5058.07	0.000534	4.38	1622.83	259.77	0.24
Reach	9079.769	PF 9	13580.00	5043.53	5059.28	5052.83	5060.11	0.001321	7.30	1859.48	533.51	0.38
Reach	9079.769	PF 10	20950.00	5043.53	5060.38	5055.26	5062.01	0.002399	10.27	2072.87	800.21	0.51
Reach	9079.769	PF 11	22220.00	5043.53	5060.57	5055.67	5062.35	0.002570	10.71	2115.27	806.93	0.53
Reach	9079.769	PF 12	37000.00	5043.53	5062.02	5059.56	5065.84	0.004996	15.80	2438.12	873.19	0.75
Reach	9079.769	PF 13	3612.00	5043.53	5053.58	5048.37	5053.77	0.000543	3.55	1016.12	136.28	0.23
Reach	9034.939	PF 1	50.00	5043.09	5043.81	5043.66	5043.97	0.009561	3.16	15.80	23.43	0.68
Reach	9034.939	PF 2	100.00	5043.09	5044.17	5043.96	5044.43	0.009748	4.09	24.47	24.93	0.73
Reach	9034.939	PF 3	200.00	5043.09	5045.26	5044.48	5045.39	0.009446	2.85	70.22	121.30	0.66
Reach	9034.939	PF 4	500.00	5043.09	5045.99	5045.49	5046.14	0.004033	3.14	159.11	124.19	0.49
Reach	9034.939	PF 5	1000.00	5043.09	5048.06	5045.97	5048.14	0.000687	2.36	424.48	132.47	0.23
Reach	9034.939	PF 6	1890.00	5043.09	5050.42	5046.57	5050.52	0.000418	2.53	748.23	141.91	0.19
Reach	9034.939	PF 7	4060.00	5043.09	5054.30	5047.77	5054.45	0.000339	3.05	1329.96	157.47	0.19
Reach	9034.939	PF 8	7100.00	5043.09	5057.81	5049.36	5058.02	0.000359	3.72	1906.44	292.23	0.20
Reach	9034.939	PF 9	13580.00	5043.09	5059.40	5051.79	5060.00	0.000886	6.22	2183.97	644.59	0.31
Reach	9034.939	PF 10	20950.00	5043.09	5060.61	5053.95	5061.78	0.001579	8.70	2431.79	747.95	0.42
Reach	9034.939	PF 11	22220.00	5043.09	5060.83	5054.43	5062.10	0.001689	9.08	2477.84	766.29	0.44
Reach	9034.939	PF 12	37000.00	5043.09	5062.65	5058.08	5065.33	0.003121	13.19	2874.54	896.24	0.60
Reach	9034.939	PF 13	3612.00	5043.09	5053.60	5047.70	5053.73	0.000347	2.96	1220.08	154.65	0.19
Reach	8988.496	PF 1	50.00	5042.64	5043.35	5043.20	5043.51	0.010175	3.23	15.50	23.37	0.70
Reach	8988.496	PF 2	100.00	5042.64	5043.77	5043.53	5044.00	0.008422	3.90	25.66	25.13	0.68
Reach	8988.496	PF 3	200.00	5042.64	5044.80	5044.03	5044.92	0.010651	2.81	71.29	137.84	0.69
Reach	8988.496	PF 4	500.00	5042.64	5045.94	5045.02	5046.01	0.001419	2.17	230.91	142.40	0.30
Reach	8988.496	PF 5	1000.00	5042.64	5048.06	5045.48	5048.11	0.000374	1.85	541.14	150.86	0.17
Reach	8988.496	PF 6	1890.00	5042.64	5050.42	5046.08	5050.49	0.000268	2.08	909.39	160.33	0.15
Reach	8988.496	PF 7	4060.00	5042.64	5054.32	5047.26	5054.42	0.000243	2.60	1564.03	175.90	0.15
Reach	8988.496	PF 8	7100.00	5042.64	5057.83	5048.62	5057.99	0.000272	3.22	2206.88	236.66	0.17

Reach	8988.496	PF 9	13580.00	5042.64	5059.47	5050.85	5059.92	0.000678	5.38	2522.66	511.09	0.26
Reach	8988.496	PF 10	20950.00	5042.64	5060.75	5052.97	5061.63	0.001225	7.54	2778.40	567.04	0.36
Reach	8988.496	PF 11	22220.00	5042.64	5060.98	5053.30	5061.94	0.001316	7.87	2824.38	578.51	0.37
Reach	8988.496	PF 12	37000.00	5042.64	5062.97	5056.73	5065.00	0.002483	11.43	3236.23	676.65	0.51
Reach	8988.496	PF 13	3612.00	5042.64	5053.61	5047.06	5053.71	0.000245	2.51	1441.00	173.08	0.15
Reach	8948.969	PF 1	50.00	5042.25	5043.04	5042.80	5043.17	0.006953	2.86	17.49	23.73	0.59
Reach	8948.969	PF 2	100.00	5042.25	5043.56	5043.13	5043.73	0.005005	3.29	30.39	25.91	0.54
Reach	8948.969	PF 3	200.00	5042.25	5044.47	5043.64	5044.57	0.007544	2.50	79.94	141.57	0.59
Reach	8948.969	PF 4	500.00	5042.25	5045.92	5044.64	5045.97	0.000702	1.73	289.81	147.38	0.22
Reach	8948.969	PF 5	1000.00	5042.25	5048.05	5045.06	5048.09	0.000259	1.63	613.01	155.91	0.14
Reach	8948.969	PF 6	1890.00	5042.25	5050.42	5045.69	5050.48	0.000209	1.90	993.60	165.38	0.14
Reach	8948.969	PF 7	4060.00	5042.25	5054.32	5046.85	5054.41	0.000204	2.43	1668.19	180.96	0.14
Reach	8948.969	PF 8	7100.00	5042.25	5057.83	5048.15	5057.98	0.000236	3.05	2329.10	204.91	0.16
Reach	8948.969	PF 9	13580.00	5042.25	5059.47	5050.38	5059.88	0.000592	5.12	2653.95	406.70	0.25
Reach	8948.969	PF 10	20950.00	5042.25	5060.76	5052.46	5061.56	0.001076	7.18	2917.62	457.26	0.34
Reach	8948.969	PF 11	22220.00	5042.25	5060.99	5052.78	5061.86	0.001157	7.49	2965.07	468.77	0.35
Reach	8948.969	PF 12	37000.00	5042.25	5063.01	5056.15	5064.85	0.002193	10.91	3391.76	562.16	0.48
Reach	8948.969	PF 13	3612.00	5042.25	5053.61	5046.57	5053.70	0.000204	2.34	1541.59	178.14	0.14
Reach	8905.749	PF 1	50.00	5041.83	5042.39	5042.39	5042.66	0.022217	4.13	12.12	22.76	1.00
Reach	8905.749	PF 2	100.00	5041.83	5043.47	5042.72	5043.57	0.002351	2.57	38.97	27.27	0.38
Reach	8905.749	PF 3	200.00	5041.83	5043.92	5043.22	5044.08	0.017066	3.21	62.24	139.97	0.85
Reach	8905.749	PF 4	500.00	5041.83	5045.91	5044.22	5045.94	0.000387	1.44	347.94	147.91	0.17
Reach	8905.749	PF 5	1000.00	5041.83	5048.05	5044.65	5048.08	0.000192	1.48	673.49	156.46	0.13
Reach	8905.749	PF 6	1890.00	5041.83	5050.42	5045.28	5050.47	0.000173	1.79	1055.47	165.94	0.13
Reach	8905.749	PF 7	4060.00	5041.83	5054.31	5046.45	5054.40	0.000181	2.34	1732.31	181.51	0.13
Reach	8905.749	PF 8	7100.00	5041.83	5057.83	5047.76	5057.96	0.000217	2.96	2394.96	195.57	0.15
Reach	8905.749	PF 9	13580.00	5041.83	5059.46	5049.99	5059.85	0.000551	4.99	2719.32	256.81	0.24
Reach	8905.749	PF 10	20950.00	5041.83	5060.74	5052.07	5061.51	0.001009	7.03	2981.63	293.30	0.33
Reach	8905.749	PF 11	22220.00	5041.83	5060.97	5052.38	5061.80	0.001086	7.34	3028.78	303.49	0.34
Reach	8905.749	PF 12	37000.00	5041.83	5062.96	5055.80	5064.74	0.002083	10.72	3451.11	393.44	0.47
Reach	8905.749	PF 13	3612.00	5041.83	5053.61	5046.23	5053.69	0.000180	2.25	1605.32	178.70	0.13
Reach	8851.856	PF 1	50.00	5041.30	5042.33	5041.87	5042.41	0.000817	2.24	22.37	23.77	0.41
Reach	8851.856	PF 2	100.00	5041.30	5043.44	5042.20	5043.47	0.000892	1.51	66.42	138.21	0.38
Reach	8851.856	PF 3	200.00	5041.30	5043.96	5042.71	5043.99	0.000313	1.44	138.78	140.32	0.26
Reach	8851.856	PF 4	500.00	5041.30	5045.91	5043.70	5045.93	0.000053	1.19	420.27	148.22	0.12
Reach	8851.856	PF 5	1000.00	5041.30	5048.05	5044.15	5048.08	0.000034	1.34	746.61	156.89	0.11
Reach	8851.856	PF 6	1890.00	5041.30	5050.42	5044.77	5050.46	0.000033	1.67	1129.74	166.48	0.11
Reach	8851.856	PF 7	4060.00	5041.30	5054.31	5045.94	5054.39	0.000036	2.24	1809.19	182.27	0.13
Reach	8851.856	PF 8	7100.00	5041.30	5057.83	5047.27	5057.96	0.000043	2.87	2474.81	196.50	0.14
Reach	8851.856	PF 9	13580.00	5041.30	5059.46	5049.53	5059.83	0.000110	4.85	2801.36	203.12	0.23
Reach	8851.856	PF 10	20950.00	5041.30	5060.75	5051.62	5061.47	0.000201	6.83	3065.85	208.33	0.31
Reach	8851.856	PF 11	22220.00	5041.30	5060.98	5051.95	5061.77	0.000216	7.14	3113.46	209.25	0.33
Reach	8851.856	PF 12	37000.00	5041.30	5062.98	5055.34	5064.68	0.000412	10.45	3540.70	217.36	0.46
Reach	8851.856	PF 13	3612.00	5041.30	5053.61	5045.72	5053.68	0.000036	2.15	1681.60	179.41	0.12
Reach	8798.628	PF 1	50.00	5041.20	5042.30	5041.78	5042.37	0.000658	2.08	23.99	24.05	0.37
Reach	8798.628	PF 2	100.00	5041.20	5043.41	5042.11	5043.43	0.000578	1.32	75.74	138.48	0.31
Reach	8798.628	PF 3	200.00	5041.20	5043.95	5042.61	5043.98	0.000236	1.32	151.26	140.67	0.22
Reach	8798.628	PF 4	500.00	5041.20	5045.91	5043.60	5045.93	0.000047	1.15	434.79	148.59	0.12
Reach	8798.628	PF 5	1000.00	5041.20	5048.05	5044.05	5048.07	0.000032	1.31	761.96	157.22	0.11
Reach	8798.628	PF 6	1890.00	5041.20	5050.42	5044.67	5050.46	0.000032	1.65	1145.86	166.79	0.11
Reach	8798.628	PF 7	4060.00	5041.20	5054.31	5045.85	5054.39	0.000035	2.22	1826.42	182.53	0.12
Reach	8798.628	PF 8	7100.00	5041.20	5057.83	5047.16	5057.95	0.000042	2.85	2492.87	196.72	0.14
Reach	8798.628	PF 9	13580.00	5041.20	5059.46	5049.43	5059.82	0.000108	4.82	2819.46	203.31	0.23
Reach	8798.628	PF 10	20950.00	5041.20	5060.74	5051.52	5061.46	0.000198	6.79	3083.67	208.49	0.31
Reach	8798.628	PF 11	22220.00	5041.20	5060.97	5051.83	5061.75	0.000213	7.10	3131.21	209.41	0.32
Reach	8798.628	PF 12	37000.00	5041.20	5062.97	5055.25	5064.65	0.000406	10.40	3557.69	217.48	0.45
Reach	8798.628	PF 13	3612.00	5041.20	5053.61	5045.64	5053.68	0.000035	2.13	1698.64	179.68	0.12

Reach 8696 Bridge

Reach	8648.071	PF 1	50.00	5040.80	5041.75		5041.84	0.001076	2.44	20.47	23.45	0.46
Reach	8648.071	PF 2	100.00	5040.80	5042.82		5042.88	0.002249	1.99	50.25	137.74	0.58
Reach	8648.071	PF 3	200.00	5040.80	5043.48		5043.51	0.000295	1.42	141.23	140.35	0.25
Reach	8648.071	PF 4	500.00	5040.80	5045.39		5045.41	0.000054	1.20	416.88	147.97	0.13
Reach	8648.071	PF 5	1000.00	5040.80	5047.44		5047.47	0.000036	1.37	729.26	156.17	0.11
Reach	8648.071	PF 6	1890.00	5040.80	5049.81		5049.86	0.000035	1.70	1110.92	165.63	0.12
Reach	8648.071	PF 7	4060.00	5040.80	5053.79		5053.87	0.000037	2.26	1800.19	181.47	0.13
Reach	8648.071	PF 8	7100.00	5040.80	5057.33		5057.46	0.000044	2.88	2468.81	195.61	0.14
Reach	8648.071	PF 9	13580.00	5040.80	5058.95		5059.32	0.000111	4.87	2790.66	202.06	0.23
Reach	8648.071	PF 10	20950.00	5040.80	5060.21		5060.94	0.000204	6.88	3047.27	207.07	0.32
Reach	8648.071	PF 11	22220.00	5040.80	5060.42		5061.23	0.000219	7.18	3092.76	207.94	0.33
Reach	8648.071	PF 12	37000.00	5040.80	5062.33		5064.07	0.000426	10.59	3495.34	215.52	0.46
Reach	8648.071	PF 13	3612.00	5040.80	5053.07		5053.14	0.000036	2.16	1671.23	178.61	0.12
Reach	8617.335	PF 1	50.00	5040.70	5041.73		5041.81	0.000814	2.23	22.39	23.78	0.41
Reach	8617.335	PF 2	100.00	5040.70	5042.78		5042.83	0.001388	1.72	58.13	137.97	0.47
Reach	8617.335	PF 3	200.00	5040.70	5043.47		5043.50	0.000219	1.29	154.67	140.72	0.22
Reach	8617.335	PF 4	500.00	5040.70	5045.39		5045.41	0.000048	1.16	431.52	148.34	0.12
Reach	8617.335	PF 5	1000.00	5040.70	5047.44		5047.47	0.000034	1.34	744.62	156.50	0.11
Reach	8617.335	PF 6	1890.00	5040.70	5049.81		5049.86	0.000033	1.68	1127.13	165.94	0.11
Reach	8617.335	PF 7	4060.00	5040.70	5053.79		5053.86	0.000036	2.23	1817.54	181.73	0.12
Reach	8617.335	PF 8	7100.00	5040.70	5057.33		5057.46	0.000043	2.85	2487.02	195.83	0.14
Reach	8617.335	PF 9	13580.00	5040.70	5058.95		5059.31	0.000109	4.83	2809.21	202.26	0.23
Reach	8617.335	PF 10	20950.00	5040.70	5060.21		5060.93	0.000200	6.83	3066.05	207.25	0.31
Reach	8617.335	PF 11	22220.00	5040.70	5060.42		5061.22	0.000215	7.14	3111.59	208.12	0.33
Reach	8617.335	PF 12	37000.00	5040.70	5062.33		5064.05	0.000419	10.53	3514.60	215.69	0.46
Reach	8617.335	PF 13	3612.00	5040.70	5053.07		5053.14	0.000035	2.14	1688.38	178.88	0.12
Reach	8574.424	PF 1	50.00	5040.60	5041.71	5041.17	5041.78	0.000600	2.01	24.92	24.69	0.35
Reach	8574.424	PF 2	100.00	5040.60	5042.70	5041.49	5042.74	0.003187	1.61	61.95	141.20	0.43
Reach	8574.424	PF 3	200.00	5040.60	5043.46	5041.99	5043.48	0.000446	1.17	171.28	144.22	0.19
Reach	8574.424	PF 4	500.00	5040.60	5045.39	5042.99	5045.40	0.000116	1.10	456.03	151.80	0.11
Reach	8574.424	PF 5	1000.00	5040.60	5047.44	5043.43	5047.47	0.000086	1.29	776.33	159.90	0.10
Reach	8574.424	PF 6	1890.00	5040.60	5049.81	5044.02	5049.85	0.000087	1.62	1166.86	169.24	0.11
Reach	8574.424	PF 7	4060.00	5040.60	5053.79	5045.18	5053.86	0.000096	2.17	1870.20	184.89	0.12
Reach	8574.424	PF 8	7100.00	5040.60	5057.33	5046.52	5057.45	0.000117	2.78	2550.87	475.44	0.14
Reach	8574.424	PF 9	13580.00	5040.60	5058.96	5048.70	5059.30	0.000301	4.72	2878.62	509.49	0.22
Reach	8574.424	PF 10	20950.00	5040.60	5060.22	5050.80	5060.91	0.000557	6.67	3140.32	534.33	0.30
Reach	8574.424	PF 11	22220.00	5040.60	5060.44	5051.11	5061.19	0.000600	6.97	3186.71	538.67	0.32
Reach	8574.424	PF 12	37000.00	5040.60	5062.35	5054.51	5064.00	0.001173	10.28	3598.81	573.28	0.45
Reach	8574.424	PF 13	3612.00	5040.60	5053.07	5044.98	5053.14	0.000094	2.08	1738.77	182.07	0.12
Reach	8524.689	PF 1	50.00	5040.35	5041.68	5040.91	5041.72	0.001986	1.62	30.80	25.98	0.26
Reach	8524.689	PF 2	100.00	5040.35	5042.52	5041.24	5042.54	0.004288	1.39	72.00	138.86	0.34
Reach	8524.689	PF 3	200.00	5040.35	5043.44	5041.74	5043.46	0.000569	0.99	202.40	142.56	0.15
Reach	8524.689	PF 4	500.00	5040.35	5045.38	5042.73	5045.40	0.000207	1.03	486.27	150.32	0.10
Reach	8524.689	PF 5	1000.00	5040.35	5047.44	5043.19	5047.46	0.000167	1.24	803.88	158.54	0.10
Reach	8524.689	PF 6	1890.00	5040.35	5049.81	5043.81	5049.85	0.000175	1.59	1191.29	168.03	0.11
Reach	8524.689	PF 7	4060.00	5040.35	5053.78	5044.99	5053.85	0.000198	2.15	1890.21	183.92	0.12
Reach	8524.689	PF 8	7100.00	5040.35	5057.33	5046.29	5057.44	0.000231	2.74	2678.96	752.00	0.13
Reach	8524.689	PF 9	13580.00	5040.35	5058.96	5048.53	5059.27	0.000563	4.56	3121.40	771.00	0.21
Reach	8524.689	PF 10	20950.00	5040.35	5060.24	5050.65	5060.84	0.000994	6.36	3473.88	783.81	0.28
Reach	8524.689	PF 11	22220.00	5040.35	5060.47	5050.98	5061.12	0.001063	6.63	3536.32	786.07	0.29
Reach	8524.689	PF 12	37000.00	5040.35	5062.50	5054.35	5063.83	0.001872	9.51	4153.19	848.58	0.40
Reach	8524.689	PF 13	3612.00	5040.35	5053.06	5044.77	5053.13	0.000195	2.05	1759.49	181.05	0.12
Reach	8439.949	PF 1	50.00	5039.92	5041.58	5040.48	5041.60	0.000924	1.26	39.63	27.37	0.18
Reach	8439.949	PF 2	100.00	5039.92	5042.37	5040.81	5042.39	0.000988	0.89	112.07	139.51	0.18
Reach	8439.949	PF 3	200.00	5039.92	5043.42	5041.31	5043.42	0.000251	0.77	259.55	143.68	0.10
Reach	8439.949	PF 4	500.00	5039.92	5045.37	5042.29	5045.38	0.000141	0.91	547.81	151.49	0.08
Reach	8439.949	PF 5	1000.00	5039.92	5047.43	5042.76	5047.45	0.000131	1.15	868.07	159.73	0.09

Reach	8439.949	PF 6	1890.00	5039.92	5049.80	5043.36	5049.83	0.000148	1.50	1258.21	169.22	0.10
Reach	8439.949	PF 7	4060.00	5039.92	5053.77	5044.56	5053.84	0.000177	2.07	1961.58	185.10	0.11
Reach	8439.949	PF 8	7100.00	5039.92	5057.32	5045.87	5057.42	0.000204	2.61	2886.42	748.68	0.12
Reach	8439.949	PF 9	13580.00	5039.92	5058.94	5048.13	5059.22	0.000490	4.31	3382.52	756.97	0.20
Reach	8439.949	PF 10	20950.00	5039.92	5060.22	5050.24	5060.74	0.000855	5.98	3778.67	769.80	0.26
Reach	8439.949	PF 11	22220.00	5039.92	5060.45	5050.55	5061.01	0.000911	6.22	3851.07	776.66	0.27
Reach	8439.949	PF 12	37000.00	5039.92	5062.50	5053.98	5063.62	0.001571	8.85	4573.37	927.64	0.36
Reach	8439.949	PF 13	3612.00	5039.92	5053.05	5044.33	5053.11	0.000172	1.97	1830.01	182.24	0.11
Reach	8381.088	PF 1	50.00	5039.62	5041.55	5040.18	5041.57	0.000329	1.06	47.30	28.52	0.14
Reach	8381.088	PF 2	100.00	5039.62	5042.35	5040.51	5042.36	0.000267	0.75	132.95	116.41	0.12
Reach	8381.088	PF 3	200.00	5039.62	5043.41	5041.01	5043.41	0.000123	0.77	258.13	120.64	0.09
Reach	8381.088	PF 4	500.00	5039.62	5045.36	5042.04	5045.38	0.000092	1.00	501.51	128.46	0.09
Reach	8381.088	PF 5	1000.00	5039.62	5047.41	5042.54	5047.44	0.000095	1.29	773.96	136.68	0.10
Reach	8381.088	PF 6	1890.00	5039.62	5049.78	5043.25	5049.83	0.000113	1.71	1108.49	146.14	0.11
Reach	8381.088	PF 7	4060.00	5039.62	5053.74	5044.57	5053.82	0.000140	2.36	1718.17	161.97	0.13
Reach	8381.088	PF 8	7100.00	5039.62	5057.28	5046.05	5057.41	0.000159	2.94	2678.37	710.88	0.14
Reach	8381.088	PF 9	13580.00	5039.62	5058.84	5048.58	5059.18	0.000382	4.85	3177.02	762.39	0.22
Reach	8381.088	PF 10	20950.00	5039.62	5060.04	5050.91	5060.69	0.000665	6.74	3573.14	838.58	0.30
Reach	8381.088	PF 11	22220.00	5039.62	5060.25	5051.25	5060.95	0.000709	7.02	3645.30	885.82	0.31
Reach	8381.088	PF 12	37000.00	5039.62	5062.18	5056.09	5063.52	0.001216	9.91	4573.24	957.18	0.41
Reach	8381.088	PF 13	3612.00	5039.62	5053.02	5044.31	5053.10	0.000136	2.25	1603.48	159.11	0.13
Reach	8330	PF 1	50.00	5039.36	5041.54	5039.92	5041.55	0.000450	0.80	62.13	72.52	0.15
Reach	8330	PF 2	100.00	5039.36	5042.33	5040.25	5042.35	0.000207	0.83	121.08	75.70	0.12
Reach	8330	PF 3	200.00	5039.36	5043.39	5040.74	5043.41	0.000159	0.98	203.33	79.93	0.11
Reach	8330	PF 4	500.00	5039.36	5045.34	5041.84	5045.37	0.000160	1.36	366.47	87.71	0.12
Reach	8330	PF 5	1000.00	5039.36	5047.38	5042.51	5047.43	0.000184	1.81	553.97	95.88	0.13
Reach	8330	PF 6	1890.00	5039.36	5049.72	5043.44	5049.81	0.000230	2.39	789.63	105.26	0.15
Reach	8330	PF 7	4060.00	5039.36	5053.64	5045.23	5053.81	0.000293	3.29	1232.19	120.91	0.18
Reach	8330	PF 8	7100.00	5039.36	5057.18	5047.13	5057.39	0.000293	3.84	2219.01	723.73	0.19
Reach	8330	PF 9	13580.00	5039.36	5058.61	5050.32	5059.14	0.000673	6.22	2691.35	863.95	0.29
Reach	8330	PF 10	20950.00	5039.36	5059.64	5053.19	5060.61	0.001159	8.56	3151.85	900.60	0.39
Reach	8330	PF 11	22220.00	5039.36	5059.84	5053.64	5060.87	0.001225	8.87	3260.06	908.78	0.40
Reach	8330	PF 12	37000.00	5039.36	5061.65	5058.60	5063.40	0.001925	11.97	4313.28	974.72	0.51
Reach	8330	PF 13	3612.00	5039.36	5052.93	5044.91	5053.08	0.000284	3.15	1147.76	118.08	0.18
Reach	8287	PF 1	50.00	5039.15	5041.53		5041.54	0.000173	0.81	62.07	34.81	0.11
Reach	8287	PF 2	100.00	5039.15	5042.32		5042.34	0.000221	1.10	90.76	37.96	0.13
Reach	8287	PF 3	200.00	5039.15	5043.36		5043.40	0.000291	1.51	132.56	42.12	0.15
Reach	8287	PF 4	500.00	5039.15	5045.27		5045.35	0.000423	2.27	220.33	49.75	0.19
Reach	8287	PF 5	1000.00	5039.15	5047.26		5047.41	0.000557	3.05	327.42	57.71	0.23
Reach	8287	PF 6	1890.00	5039.15	5049.53		5049.78	0.000739	4.04	468.22	66.74	0.27
Reach	8287	PF 7	4060.00	5039.15	5053.30		5053.76	0.000947	5.42	748.40	81.80	0.32
Reach	8287	PF 8	7100.00	5039.15	5056.95		5057.35	0.000718	5.53	1696.56	848.07	0.29
Reach	8287	PF 9	13580.00	5039.15	5058.10		5059.05	0.001623	8.78	2179.80	899.35	0.44
Reach	8287	PF 10	20950.00	5039.15	5058.60		5060.45	0.003082	12.41	2470.44	918.10	0.60
Reach	8287	PF 11	22220.00	5039.15	5058.73		5060.70	0.003273	12.87	2545.79	921.80	0.62
Reach	8287	PF 12	37000.00	5039.15	5060.45	5060.45	5063.19	0.004316	16.04	3598.49	965.54	0.73
Reach	8287	PF 13	3612.00	5039.15	5052.62		5053.04	0.000922	5.21	693.45	79.07	0.31
Reach	8248	PF 1	50.00	5038.95	5041.34		5041.50	0.005093	3.26	15.34	12.85	0.53
Reach	8248	PF 2	100.00	5038.95	5042.06		5042.29	0.004965	3.84	26.05	16.73	0.54
Reach	8248	PF 3	200.00	5038.95	5043.03		5043.34	0.004695	4.47	44.72	21.91	0.55
Reach	8248	PF 4	500.00	5038.95	5044.81		5045.27	0.004213	5.49	91.08	29.85	0.55
Reach	8248	PF 5	1000.00	5038.95	5046.65		5047.31	0.004005	6.52	153.47	36.86	0.56
Reach	8248	PF 6	1890.00	5038.95	5048.58		5049.64	0.004350	8.27	229.77	43.09	0.61
Reach	8248	PF 7	4060.00	5038.95	5051.62		5053.54	0.004703	11.24	380.05	55.89	0.68
Reach	8248	PF 8	7100.00	5038.95	5056.44		5057.27	0.001575	8.75	1577.89	870.21	0.42
Reach	8248	PF 9	13580.00	5038.95	5057.48	5057.48	5058.92	0.002923	12.53	2187.01	914.19	0.58
Reach	8248	PF 10	20950.00	5038.95	5058.54	5058.54	5060.29	0.003674	14.72	2846.14	936.19	0.66
Reach	8248	PF 11	22220.00	5038.95	5058.73	5058.73	5060.50	0.003715	14.93	2966.77	939.67	0.66
Reach	8248	PF 12	37000.00	5038.95	5060.26	5060.26	5062.61	0.004849	18.14	3957.28	983.52	0.77

Reach	8248	PF 13	3612.00	5038.95	5051.07		5052.83	0.004711	10.76	349.65	53.51	0.67
Reach	8217	PF 1	50.00	5038.80	5041.13		5041.32	0.006428	3.55	14.07	12.26	0.58
Reach	8217	PF 2	100.00	5038.80	5041.86		5042.12	0.005820	4.07	24.56	16.21	0.58
Reach	8217	PF 3	200.00	5038.80	5042.85		5043.18	0.005180	4.63	43.18	21.54	0.58
Reach	8217	PF 4	500.00	5038.80	5044.68		5045.14	0.004373	5.46	91.51	31.40	0.56
Reach	8217	PF 5	1000.00	5038.80	5046.57		5047.17	0.003924	6.22	160.73	41.91	0.56
Reach	8217	PF 6	1890.00	5038.80	5048.62		5049.44	0.003871	7.30	258.86	53.16	0.58
Reach	8217	PF 7	4060.00	5038.80	5051.96		5053.22	0.003399	9.06	455.33	64.60	0.58
Reach	8217	PF 8	7100.00	5038.80	5056.71	5052.16	5057.10	0.000866	6.13	2082.31	894.60	0.32
Reach	8217	PF 9	13580.00	5038.80	5056.92		5058.17	0.002767	11.08	2210.05	897.84	0.57
Reach	8217	PF 10	20950.00	5038.80	5057.69		5059.57	0.004157	14.16	2698.22	933.17	0.70
Reach	8217	PF 11	22220.00	5038.80	5057.80		5059.78	0.004397	14.64	2767.74	936.91	0.72
Reach	8217	PF 12	37000.00	5038.80	5059.66	5059.66	5061.89	0.004685	16.55	4041.80	1009.58	0.76
Reach	8217	PF 13	3612.00	5038.80	5051.34		5052.53	0.003473	8.78	416.39	62.48	0.58
Reach	8177	PF 1	50.00	5038.36	5040.57		5040.94	0.013646	4.91	10.18	9.21	0.82
Reach	8177	PF 2	100.00	5038.36	5041.27		5041.77	0.012669	5.68	17.61	12.12	0.83
Reach	8177	PF 3	200.00	5038.36	5042.17		5042.85	0.011891	6.60	30.32	15.90	0.84
Reach	8177	PF 4	500.00	5038.36	5043.82	5043.51	5044.82	0.010993	8.05	62.13	22.79	0.86
Reach	8177	PF 5	1000.00	5038.36	5045.20	5045.20	5046.81	0.013669	10.17	98.37	30.16	0.99
Reach	8177	PF 6	1890.00	5038.36	5047.03	5047.03	5049.07	0.012655	11.46	165.42	42.48	1.00
Reach	8177	PF 7	4060.00	5038.36	5049.88	5049.88	5052.83	0.010323	13.93	301.66	51.97	0.96
Reach	8177	PF 8	7100.00	5038.36	5052.77	5052.77	5056.67	0.009088	16.20	467.27	62.76	0.95
Reach	8177	PF 9	13580.00	5038.36	5056.73	5056.73	5058.04	0.003091	12.06	2271.32	929.46	0.59
Reach	8177	PF 10	20950.00	5038.36	5057.69	5057.69	5059.32	0.003954	14.30	2933.98	965.14	0.68
Reach	8177	PF 11	22220.00	5038.36	5057.85	5057.85	5059.52	0.004058	14.59	3044.49	972.74	0.69
Reach	8177	PF 12	37000.00	5038.36	5059.31	5059.31	5061.46	0.005083	17.44	4130.23	1031.21	0.78
Reach	8177	PF 13	3612.00	5038.36	5049.37	5049.37	5052.15	0.010525	13.49	275.91	50.16	0.97
Reach	8135	PF 1	50.00	5037.94	5040.43		5040.58	0.004309	3.07	16.30	13.12	0.48
Reach	8135	PF 2	100.00	5037.94	5041.20		5041.40	0.004109	3.59	27.86	17.09	0.50
Reach	8135	PF 3	200.00	5037.94	5042.18		5042.46	0.004020	4.24	47.19	22.18	0.51
Reach	8135	PF 4	500.00	5037.94	5043.96		5044.39	0.003890	5.27	94.91	31.40	0.53
Reach	8135	PF 5	1000.00	5037.94	5045.44		5046.16	0.004897	6.77	147.67	39.91	0.62
Reach	8135	PF 6	1890.00	5037.94	5047.16		5048.26	0.005968	8.39	225.29	51.43	0.71
Reach	8135	PF 7	4060.00	5037.94	5050.35		5051.88	0.004455	9.99	417.11	67.87	0.66
Reach	8135	PF 8	7100.00	5037.94	5053.25	5051.30	5055.42	0.004079	12.01	641.22	382.51	0.67
Reach	8135	PF 9	13580.00	5037.94	5056.44		5057.49	0.002144	10.47	2554.63	955.00	0.51
Reach	8135	PF 10	20950.00	5037.94	5057.21	5057.12	5058.73	0.003176	13.24	3118.22	975.12	0.62
Reach	8135	PF 11	22220.00	5037.94	5057.34		5058.92	0.003311	13.60	3218.24	989.57	0.64
Reach	8135	PF 12	37000.00	5037.94	5058.73		5060.85	0.004413	16.71	4326.55	1053.89	0.75
Reach	8135	PF 13	3612.00	5037.94	5049.75		5051.22	0.004756	9.73	377.61	65.16	0.67
Reach	8084	PF 1	50.00	5037.59	5040.26		5040.38	0.003335	2.80	17.87	13.41	0.43
Reach	8084	PF 2	100.00	5037.59	5041.02		5041.20	0.003478	3.38	29.60	17.27	0.45
Reach	8084	PF 3	200.00	5037.59	5042.00		5042.26	0.003641	4.09	48.92	22.20	0.49
Reach	8084	PF 4	500.00	5037.59	5043.80		5044.18	0.003955	4.94	101.30	37.47	0.53
Reach	8084	PF 5	1000.00	5037.59	5045.32		5045.89	0.004050	6.03	165.95	46.27	0.56
Reach	8084	PF 6	1890.00	5037.59	5047.06		5047.94	0.004250	7.51	251.70	52.51	0.60
Reach	8084	PF 7	4060.00	5037.59	5050.26		5051.62	0.003729	9.42	439.03	64.52	0.61
Reach	8084	PF 8	7100.00	5037.59	5053.08	5050.70	5055.20	0.003822	11.80	639.01	490.58	0.65
Reach	8084	PF 9	13580.00	5037.59	5056.09	5056.09	5057.35	0.002421	11.13	2442.34	1018.05	0.54
Reach	8084	PF 10	20950.00	5037.59	5057.07	5057.07	5058.55	0.003025	13.04	3250.17	1031.46	0.61
Reach	8084	PF 11	22220.00	5037.59	5057.20	5057.20	5058.73	0.003133	13.36	3361.97	1033.30	0.62
Reach	8084	PF 12	37000.00	5037.59	5058.58	5058.58	5060.58	0.004129	16.29	4546.44	1105.07	0.72
Reach	8084	PF 13	3612.00	5037.59	5049.66		5050.94	0.003912	9.13	401.01	62.41	0.61
Reach	8018	PF 1	50.00	5037.30	5039.98		5040.13	0.004210	3.10	16.11	12.03	0.47
Reach	8018	PF 2	100.00	5037.30	5040.69		5040.92	0.004781	3.87	25.83	15.24	0.52
Reach	8018	PF 3	200.00	5037.30	5041.60		5041.96	0.005404	4.82	41.49	19.32	0.58
Reach	8018	PF 4	500.00	5037.30	5043.18		5043.80	0.007585	6.31	79.23	32.42	0.71
Reach	8018	PF 5	1000.00	5037.30	5044.90		5045.56	0.005931	6.52	153.36	50.85	0.66

Reach	8018	PF 6	1890.00	5037.30	5046.82		5047.64	0.004182	7.30	261.65	60.46	0.60
Reach	8018	PF 7	4060.00	5037.30	5050.17		5051.35	0.002960	8.83	488.64	75.00	0.55
Reach	8018	PF 8	7100.00	5037.30	5053.18	5050.25	5054.85	0.002851	10.72	829.33	765.91	0.57
Reach	8018	PF 9	13580.00	5037.30	5055.48	5055.48	5056.66	0.002319	10.98	2605.39	1053.88	0.53
Reach	8018	PF 10	20950.00	5037.30	5056.33	5056.33	5057.80	0.003076	13.17	3370.93	1078.20	0.62
Reach	8018	PF 11	22220.00	5037.30	5056.45	5056.45	5057.97	0.003207	13.52	3480.45	1095.93	0.63
Reach	8018	PF 12	37000.00	5037.30	5057.81	5057.81	5059.66	0.003994	16.04	4801.95	1157.72	0.71
Reach	8018	PF 13	3612.00	5037.30	5049.54		5050.66	0.003123	8.59	442.48	72.21	0.56
Reach	7960	PF 1	50.00	5037.30	5039.88		5039.95	0.001789	2.07	24.18	18.72	0.32
Reach	7960	PF 2	100.00	5037.30	5040.62		5040.72	0.001876	2.50	39.94	24.05	0.34
Reach	7960	PF 3	200.00	5037.30	5041.57		5041.72	0.001955	3.02	66.13	30.94	0.36
Reach	7960	PF 4	500.00	5037.30	5043.23		5043.48	0.002114	3.96	126.28	41.74	0.40
Reach	7960	PF 5	1000.00	5037.30	5044.90		5045.26	0.002390	4.81	207.90	56.44	0.44
Reach	7960	PF 6	1890.00	5037.30	5046.86		5047.37	0.002262	5.75	330.91	68.74	0.45
Reach	7960	PF 7	4060.00	5037.30	5050.32		5051.10	0.001736	7.12	595.98	84.21	0.43
Reach	7960	PF 8	7100.00	5037.30	5053.61		5054.50	0.001431	8.06	1434.79	1054.64	0.41
Reach	7960	PF 9	13580.00	5037.30	5054.85	5054.85	5056.03	0.002139	10.53	2645.57	1132.63	0.52
Reach	7960	PF 10	20950.00	5037.30	5055.79	5055.79	5057.14	0.002643	12.26	3599.44	1163.54	0.58
Reach	7960	PF 11	22220.00	5037.30	5055.89	5055.89	5057.30	0.002777	12.63	3705.45	1171.14	0.60
Reach	7960	PF 12	37000.00	5037.30	5057.15	5057.15	5058.90	0.003579	15.19	5038.46	1200.04	0.69
Reach	7960	PF 13	3612.00	5037.30	5049.68		5050.41	0.001810	6.90	542.86	81.39	0.44
Reach	7782	PF 1	50.00	5037.04	5039.48		5039.57	0.002617	2.46	20.37	16.14	0.39
Reach	7782	PF 2	100.00	5037.04	5040.17		5040.32	0.002826	3.04	32.90	20.00	0.42
Reach	7782	PF 3	200.00	5037.04	5041.06		5041.28	0.003182	3.77	53.02	25.47	0.46
Reach	7782	PF 4	500.00	5037.04	5042.57		5042.97	0.003901	5.05	99.07	35.88	0.54
Reach	7782	PF 5	1000.00	5037.04	5044.09		5044.68	0.004324	6.21	161.16	46.25	0.59
Reach	7782	PF 6	1890.00	5037.04	5045.97		5046.83	0.003867	7.48	254.20	52.05	0.59
Reach	7782	PF 7	4060.00	5037.04	5049.20		5050.62	0.003374	9.59	435.29	59.51	0.59
Reach	7782	PF 8	7100.00	5037.04	5053.93		5054.14	0.000529	5.15	3233.18	1203.69	0.25
Reach	7782	PF 9	13580.00	5037.04	5053.71	5053.71	5054.68	0.002338	10.71	2981.84	1197.08	0.53
Reach	7782	PF 10	20950.00	5037.04	5054.38	5054.38	5055.62	0.003182	12.93	3755.55	1217.31	0.62
Reach	7782	PF 11	22220.00	5037.04	5055.64		5056.19	0.001482	9.37	5220.06	1248.77	0.43
Reach	7782	PF 12	37000.00	5037.04	5055.62	5055.62	5057.17	0.004156	15.68	5199.30	1248.34	0.72
Reach	7782	PF 13	3612.00	5037.04	5048.61		5049.92	0.003450	9.23	400.54	58.23	0.59
Reach	7604	PF 1	50.00	5036.69	5038.84		5038.98	0.004642	2.96	16.88	15.69	0.50
Reach	7604	PF 2	100.00	5036.69	5039.52		5039.70	0.004341	3.43	29.15	20.68	0.51
Reach	7604	PF 3	200.00	5036.69	5040.36		5040.62	0.004242	4.09	48.85	25.99	0.53
Reach	7604	PF 4	500.00	5036.69	5041.65		5042.16	0.005417	5.75	86.97	32.96	0.62
Reach	7604	PF 5	1000.00	5036.69	5042.71		5043.71	0.007917	8.04	124.43	37.56	0.78
Reach	7604	PF 6	1890.00	5036.69	5043.80	5043.80	5045.77	0.012106	11.26	167.90	41.64	0.99
Reach	7604	PF 7	4060.00	5036.69	5046.55	5046.55	5049.60	0.010448	14.06	292.93	49.27	0.98
Reach	7604	PF 8	7100.00	5036.69	5052.07	5051.72	5052.54	0.001288	7.26	2335.46	1137.63	0.37
Reach	7604	PF 9	13580.00	5036.69	5052.62	5052.62	5053.53	0.002723	10.88	2969.28	1157.92	0.55
Reach	7604	PF 10	20950.00	5036.69	5053.31	5053.31	5054.42	0.003520	12.84	3783.94	1185.37	0.63
Reach	7604	PF 11	22220.00	5036.69	5055.64		5055.91	0.000831	6.97	6643.84	1274.52	0.31
Reach	7604	PF 12	37000.00	5036.69	5054.22		5055.93	0.005519	16.83	4879.73	1219.29	0.80
Reach	7604	PF 13	3612.00	5036.69	5046.05	5046.05	5048.90	0.010628	13.57	269.01	47.95	0.98
Reach	7392	PF 1	50.00	5035.32	5037.42		5037.71	0.010713	4.33	11.55	11.02	0.74
Reach	7392	PF 2	100.00	5035.32	5038.00		5038.44	0.011504	5.29	18.92	14.10	0.80
Reach	7392	PF 3	200.00	5035.32	5038.75	5038.56	5039.40	0.012513	6.49	30.83	18.00	0.87
Reach	7392	PF 4	500.00	5035.32	5040.50	5040.38	5041.09	0.013819	6.16	81.11	57.07	0.91
Reach	7392	PF 5	1000.00	5035.32	5041.30	5041.20	5042.23	0.013156	7.72	129.53	62.57	0.95
Reach	7392	PF 6	1890.00	5035.32	5042.35	5042.34	5043.76	0.013317	9.53	198.31	70.42	1.00
Reach	7392	PF 7	4060.00	5035.32	5044.26	5044.26	5046.38	0.010888	11.73	354.12	90.76	0.98
Reach	7392	PF 8	7100.00	5035.32	5046.33	5046.33	5049.10	0.008806	13.59	557.86	118.67	0.94
Reach	7392	PF 9	13580.00	5035.32	5050.93	5050.93	5052.05	0.002507	10.35	2716.18	1171.96	0.55
Reach	7392	PF 10	20950.00	5035.32	5051.79	5051.79	5053.02	0.002986	11.87	3745.55	1217.34	0.60
Reach	7392	PF 11	22220.00	5035.32	5055.61		5055.77	0.000361	4.96	8660.57	1353.12	0.22
Reach	7392	PF 12	37000.00	5035.32	5053.16		5054.60	0.003603	14.01	5453.00	1262.77	0.68

Reach	7392	PF 13	3612.00	5035.32	5043.92	5043.92	5045.91	0.011296	11.33	323.77	88.15	0.98
Reach	7090	PF 1	50.00	5032.84	5034.63		5034.79	0.007245	3.26	15.35	17.47	0.61
Reach	7090	PF 2	100.00	5032.84	5035.12		5035.36	0.007824	3.97	25.16	22.50	0.66
Reach	7090	PF 3	200.00	5032.84	5035.76		5036.09	0.009063	4.61	43.35	34.86	0.73
Reach	7090	PF 4	500.00	5032.84	5036.64	5036.44	5037.25	0.011333	6.26	79.89	48.14	0.86
Reach	7090	PF 5	1000.00	5032.84	5037.46	5037.46	5038.46	0.014952	8.01	124.80	64.01	1.01
Reach	7090	PF 6	1890.00	5032.84	5038.59	5038.59	5039.67	0.010996	8.53	242.23	117.98	0.92
Reach	7090	PF 7	4060.00	5032.84	5040.03	5040.03	5041.67	0.010496	10.84	420.67	131.74	0.95
Reach	7090	PF 8	7100.00	5032.84	5042.36		5043.97	0.005824	10.96	740.22	152.88	0.77
Reach	7090	PF 9	13580.00	5032.84	5046.87		5048.57	0.003128	11.49	1430.31	221.55	0.61
Reach	7090	PF 10	20950.00	5032.84	5051.70		5052.17	0.000842	7.62	5671.08	1186.96	0.34
Reach	7090	PF 11	22220.00	5032.84	5050.31		5051.55	0.002112	11.35	4045.40	1139.88	0.53
Reach	7090	PF 12	37000.00	5032.84	5051.77		5053.18	0.002540	13.28	5747.10	1189.88	0.59
Reach	7090	PF 13	3612.00	5032.84	5039.77	5039.77	5041.30	0.010593	10.43	387.52	128.35	0.95
Reach	6837	PF 1	50.00	5031.67	5032.66		5032.72	0.003369	1.93	25.88	37.14	0.41
Reach	6837	PF 2	100.00	5031.67	5033.03		5033.12	0.003496	2.48	40.33	40.86	0.44
Reach	6837	PF 3	200.00	5031.67	5033.56		5033.71	0.003632	3.15	63.54	46.22	0.47
Reach	6837	PF 4	500.00	5031.67	5034.69		5034.89	0.004623	3.59	139.34	99.85	0.54
Reach	6837	PF 5	1000.00	5031.67	5035.80		5036.01	0.002823	3.69	270.82	128.37	0.45
Reach	6837	PF 6	1890.00	5031.67	5037.27		5037.51	0.001844	3.95	479.05	154.97	0.39
Reach	6837	PF 7	4060.00	5031.67	5039.86		5040.18	0.001152	4.58	911.89	192.24	0.34
Reach	6837	PF 8	7100.00	5031.67	5042.65		5043.06	0.000887	5.23	1438.45	230.09	0.32
Reach	6837	PF 9	13580.00	5031.67	5047.30		5047.85	0.000693	6.19	2637.78	466.16	0.30
Reach	6837	PF 10	20950.00	5031.67	5051.74		5051.99	0.000291	4.87	7583.47	1295.05	0.20
Reach	6837	PF 11	22220.00	5031.67	5050.62		5051.06	0.000515	6.20	6149.74	1255.93	0.27
Reach	6837	PF 12	37000.00	5031.67	5051.90		5052.62	0.000853	8.38	7791.99	1301.04	0.35
Reach	6837	PF 13	3612.00	5031.67	5039.39		5039.69	0.001227	4.46	828.85	188.10	0.34
Reach	6567	PF 1	50.00	5028.88	5030.56		5030.70	0.005934	2.97	16.83	19.01	0.56
Reach	6567	PF 2	100.00	5028.88	5031.06		5031.27	0.006007	3.70	27.00	22.00	0.59
Reach	6567	PF 3	200.00	5028.88	5031.68		5032.04	0.006820	4.80	41.67	25.17	0.66
Reach	6567	PF 4	500.00	5028.88	5032.79		5033.51	0.009034	6.84	73.15	31.97	0.80
Reach	6567	PF 5	1000.00	5028.88	5034.23		5035.06	0.009437	7.33	136.52	56.07	0.83
Reach	6567	PF 6	1890.00	5028.88	5035.18	5035.18	5036.64	0.011511	9.74	199.92	74.41	0.96
Reach	6567	PF 7	4060.00	5028.88	5037.15	5037.15	5039.35	0.009776	12.19	358.16	84.85	0.95
Reach	6567	PF 8	7100.00	5028.88	5039.20	5039.20	5042.22	0.008857	14.52	539.30	92.39	0.96
Reach	6567	PF 9	13580.00	5028.88	5042.44		5046.95	0.008321	18.06	856.88	103.47	0.99
Reach	6567	PF 10	20950.00	5028.88	5046.08	5046.08	5051.36	0.006848	20.01	1320.95	275.95	0.94
Reach	6567	PF 11	22220.00	5028.88	5050.08	5048.91	5050.82	0.001127	9.60	5234.84	1190.10	0.40
Reach	6567	PF 12	37000.00	5028.88	5050.10		5052.14	0.003090	15.90	5259.84	1191.34	0.66
Reach	6567	PF 13	3612.00	5028.88	5036.79	5036.79	5038.86	0.010085	11.79	327.65	83.37	0.95
Reach	6370	PF 1	50.00	5027.57	5029.03		5029.17	0.006311	3.01	16.63	19.36	0.57
Reach	6370	PF 2	100.00	5027.57	5029.50		5029.72	0.006740	3.78	26.45	22.81	0.62
Reach	6370	PF 3	200.00	5027.57	5030.10		5030.46	0.007740	4.83	41.37	27.22	0.69
Reach	6370	PF 4	500.00	5027.57	5031.19		5031.87	0.009455	6.58	76.02	36.44	0.80
Reach	6370	PF 5	1000.00	5027.57	5032.31	5032.09	5033.30	0.011401	7.99	125.23	51.72	0.90
Reach	6370	PF 6	1890.00	5027.57	5033.62	5033.62	5034.62	0.009459	8.31	259.98	136.46	0.85
Reach	6370	PF 7	4060.00	5027.57	5035.68		5036.66	0.005331	8.68	553.18	148.40	0.69
Reach	6370	PF 8	7100.00	5027.57	5038.04		5039.09	0.003628	9.08	919.48	160.38	0.60
Reach	6370	PF 9	13580.00	5027.57	5041.73		5043.08	0.002745	10.45	1540.48	176.52	0.56
Reach	6370	PF 10	20950.00	5027.57	5044.83		5046.92	0.003275	13.53	2262.46	484.76	0.64
Reach	6370	PF 11	22220.00	5027.57	5045.03	5041.23	5047.64	0.003938	14.97	2380.63	655.14	0.70
Reach	6370	PF 12	37000.00	5027.57	5051.00		5051.43	0.000689	7.93	9426.99	1334.65	0.31
Reach	6370	PF 13	3612.00	5027.57	5035.26		5036.26	0.005917	8.67	492.45	146.01	0.72
Reach	6125	PF 1	50.00	5025.75	5027.22		5027.28	0.003049	1.94	25.72	33.69	0.39
Reach	6125	PF 2	100.00	5025.75	5027.72		5027.80	0.002680	2.20	45.42	44.81	0.39
Reach	6125	PF 3	200.00	5025.75	5028.42		5028.52	0.002049	2.45	81.61	55.97	0.36
Reach	6125	PF 4	500.00	5025.75	5029.84		5029.98	0.001437	2.98	167.88	65.50	0.33

Reach	6125	PF 5	1000.00	5025.75	5031.58		5031.74	0.001531	3.15	318.33	145.99	0.34
Reach	6125	PF 6	1890.00	5025.75	5033.22		5033.39	0.000986	3.42	601.60	181.58	0.29
Reach	6125	PF 7	4060.00	5025.75	5035.67		5035.92	0.000853	4.23	1060.62	193.18	0.29
Reach	6125	PF 8	7100.00	5025.75	5038.13		5038.48	0.000831	5.06	1547.90	202.79	0.30
Reach	6125	PF 9	13580.00	5025.75	5041.95		5042.51	0.000859	6.36	2349.95	216.88	0.32
Reach	6125	PF 10	20950.00	5025.75	5045.44		5046.18	0.000947	7.68	4431.79	1173.29	0.35
Reach	6125	PF 11	22220.00	5025.75	5045.74		5046.49	0.000959	7.81	4805.23	1273.39	0.36
Reach	6125	PF 12	37000.00	5025.75	5051.04		5051.29	0.000306	5.39	12100.63	1450.79	0.21
Reach	6125	PF 13	3612.00	5025.75	5035.23		5035.47	0.000865	4.09	976.47	191.12	0.29
Reach	5880	PF 1	50.00	5024.64	5025.97		5026.11	0.006567	3.04	16.47	19.26	0.58
Reach	5880	PF 2	100.00	5024.64	5026.42		5026.66	0.006763	3.92	25.52	20.57	0.62
Reach	5880	PF 3	200.00	5024.64	5027.08		5027.47	0.007323	5.05	39.64	22.96	0.68
Reach	5880	PF 4	500.00	5024.64	5028.29		5029.07	0.008896	7.10	70.41	27.94	0.79
Reach	5880	PF 5	1000.00	5024.64	5029.54	5029.25	5030.80	0.010519	9.02	110.90	34.62	0.89
Reach	5880	PF 6	1890.00	5024.64	5031.23	5031.23	5032.50	0.008439	9.39	233.80	95.64	0.83
Reach	5880	PF 7	4060.00	5024.64	5032.95	5032.95	5034.84	0.009130	12.00	402.76	100.92	0.90
Reach	5880	PF 8	7100.00	5024.64	5034.70	5034.70	5037.32	0.009607	14.33	583.66	106.28	0.96
Reach	5880	PF 9	13580.00	5024.64	5038.33	5037.60	5041.50	0.007475	15.79	990.66	117.46	0.89
Reach	5880	PF 10	20950.00	5024.64	5044.45	5040.26	5045.43	0.001944	10.77	4129.61	1217.34	0.49
Reach	5880	PF 11	22220.00	5024.64	5045.35	5040.63	5045.97	0.001295	9.13	5253.10	1261.63	0.40
Reach	5880	PF 12	37000.00	5024.64	5045.34	5045.34	5047.07	0.003619	15.26	5235.86	1261.05	0.67
Reach	5880	PF 13	3612.00	5024.64	5032.63	5032.63	5034.42	0.009152	11.62	370.25	99.92	0.90
Reach	5652	PF 1	50.00	5023.03	5024.10		5024.16	0.003747	1.90	26.36	42.22	0.42
Reach	5652	PF 2	100.00	5023.03	5024.52		5024.59	0.003150	2.16	46.32	53.59	0.41
Reach	5652	PF 3	200.00	5023.03	5025.08		5025.18	0.002546	2.52	79.30	61.79	0.39
Reach	5652	PF 4	500.00	5023.03	5026.17		5026.33	0.002265	3.28	152.39	72.95	0.40
Reach	5652	PF 5	1000.00	5023.03	5027.29		5027.56	0.002303	4.15	241.53	86.94	0.43
Reach	5652	PF 6	1890.00	5023.03	5028.55		5028.99	0.002503	5.40	364.08	106.76	0.47
Reach	5652	PF 7	4060.00	5023.03	5030.07		5031.06	0.003820	8.16	529.89	111.42	0.61
Reach	5652	PF 8	7100.00	5023.03	5031.40		5033.24	0.005456	11.24	680.47	115.18	0.75
Reach	5652	PF 9	13580.00	5023.03	5033.29	5033.29	5037.16	0.008430	16.41	903.34	120.52	0.97
Reach	5652	PF 10	20950.00	5023.03	5035.96	5035.96	5040.97	0.007791	18.82	1236.87	129.51	0.98
Reach	5652	PF 11	22220.00	5023.03	5036.39	5036.39	5041.56	0.007690	19.16	1292.54	131.08	0.98
Reach	5652	PF 12	37000.00	5023.03	5043.39	5043.39	5045.44	0.002313	14.30	5330.08	1253.37	0.58
Reach	5652	PF 13	3612.00	5023.03	5029.82		5030.69	0.003554	7.64	502.39	110.72	0.58
Reach	5442	PF 1	50.00	5021.42	5022.61		5022.76	0.008009	3.09	16.20	21.76	0.63
Reach	5442	PF 2	100.00	5021.42	5023.03		5023.25	0.008414	3.81	26.23	26.63	0.68
Reach	5442	PF 3	200.00	5021.42	5023.56		5023.91	0.009260	4.72	42.40	33.62	0.74
Reach	5442	PF 4	500.00	5021.42	5024.51		5025.12	0.010438	6.24	80.12	45.70	0.83
Reach	5442	PF 5	1000.00	5021.42	5025.47	5025.29	5026.41	0.011251	7.79	128.43	55.57	0.90
Reach	5442	PF 6	1890.00	5021.42	5026.60	5026.58	5028.01	0.012179	9.52	199.62	80.10	0.98
Reach	5442	PF 7	4060.00	5021.42	5028.49	5028.49	5029.95	0.007861	10.36	477.30	164.60	0.85
Reach	5442	PF 8	7100.00	5021.42	5029.85	5029.85	5031.82	0.008090	12.47	708.92	175.07	0.90
Reach	5442	PF 9	13580.00	5021.42	5032.01	5032.01	5034.90	0.008307	15.50	1097.49	185.09	0.96
Reach	5442	PF 10	20950.00	5021.42	5033.99	5033.99	5037.74	0.008224	17.83	1473.86	193.51	0.99
Reach	5442	PF 11	22220.00	5021.42	5034.33	5034.33	5038.18	0.008124	18.11	1539.10	194.92	0.99
Reach	5442	PF 12	37000.00	5021.42	5038.23	5037.05	5042.98	0.006776	20.42	2404.90	411.50	0.95
Reach	5442	PF 13	3612.00	5021.42	5028.24	5028.24	5029.62	0.007907	10.00	435.79	162.41	0.84
Reach	5228	PF 1	50.00	5019.91	5020.70		5020.76	0.004937	2.01	24.87	44.83	0.48
Reach	5228	PF 2	100.00	5019.91	5021.00		5021.10	0.004898	2.59	38.63	47.26	0.50
Reach	5228	PF 3	200.00	5019.91	5021.44		5021.61	0.004936	3.32	60.23	50.83	0.54
Reach	5228	PF 4	500.00	5019.91	5022.33		5022.65	0.005492	4.59	108.92	60.97	0.61
Reach	5228	PF 5	1000.00	5019.91	5023.16		5023.73	0.006780	6.05	166.14	80.40	0.70
Reach	5228	PF 6	1890.00	5019.91	5024.08	5023.80	5025.00	0.008095	7.83	259.11	115.38	0.80
Reach	5228	PF 7	4060.00	5019.91	5025.52	5025.43	5027.01	0.008863	10.27	448.15	140.54	0.88
Reach	5228	PF 8	7100.00	5019.91	5027.12	5026.89	5029.06	0.008131	11.97	677.83	147.51	0.88
Reach	5228	PF 9	13580.00	5019.91	5029.81		5032.49	0.007239	14.26	1090.77	159.36	0.88
Reach	5228	PF 10	20950.00	5019.91	5033.20		5035.97	0.004823	14.66	1659.37	175.97	0.76
Reach	5228	PF 11	22220.00	5019.91	5033.77		5036.55	0.004531	14.68	1761.26	178.31	0.74

Reach	5228	PF 12	37000.00	5019.91	5039.38		5041.33	0.002310	13.50	4624.02	965.58	0.56
Reach	5228	PF 13	3612.00	5019.91	5025.26	5025.15	5026.66	0.008929	9.90	411.17	138.27	0.87
Reach	5023	PF 1	50.00	5018.41	5019.39		5019.48	0.007136	2.39	20.93	38.43	0.57
Reach	5023	PF 2	100.00	5018.41	5019.71		5019.84	0.006669	2.95	33.95	43.24	0.59
Reach	5023	PF 3	200.00	5018.41	5020.13		5020.35	0.007149	3.73	53.57	50.32	0.64
Reach	5023	PF 4	500.00	5018.41	5021.09		5021.32	0.006226	3.89	128.42	102.15	0.61
Reach	5023	PF 5	1000.00	5018.41	5021.84		5022.20	0.005421	4.80	208.34	108.92	0.61
Reach	5023	PF 6	1890.00	5018.41	5022.69		5023.29	0.005959	6.23	304.17	122.96	0.68
Reach	5023	PF 7	4060.00	5018.41	5023.89		5025.16	0.007901	9.08	455.16	128.63	0.82
Reach	5023	PF 8	7100.00	5018.41	5025.23	5024.94	5027.27	0.008524	11.55	632.73	135.19	0.90
Reach	5023	PF 9	13580.00	5018.41	5028.57		5031.08	0.005482	12.96	1108.47	148.93	0.79
Reach	5023	PF 10	20950.00	5018.41	5032.48		5035.02	0.003443	13.23	1721.76	165.09	0.66
Reach	5023	PF 11	22220.00	5018.41	5033.05		5035.63	0.003301	13.35	1816.56	167.37	0.65
Reach	5023	PF 12	37000.00	5018.41	5039.34		5040.77	0.001394	11.30	5676.47	967.82	0.45
Reach	5023	PF 13	3612.00	5018.41	5023.69		5024.81	0.007475	8.54	429.69	127.70	0.80
Reach	4825	PF 1	50.00	5016.85	5017.82		5017.90	0.005450	2.26	22.14	36.09	0.51
Reach	4825	PF 2	100.00	5016.85	5018.17		5018.29	0.005428	2.78	35.92	42.65	0.53
Reach	4825	PF 3	200.00	5016.85	5018.65		5018.83	0.005423	3.41	58.68	51.38	0.56
Reach	4825	PF 4	500.00	5016.85	5019.59		5019.88	0.006159	4.34	115.15	77.07	0.63
Reach	4825	PF 5	1000.00	5016.85	5020.43		5020.87	0.006244	5.31	188.35	94.14	0.66
Reach	4825	PF 6	1890.00	5016.85	5021.25		5021.99	0.007108	6.96	285.64	144.10	0.74
Reach	4825	PF 7	4060.00	5016.85	5022.88		5023.78	0.005150	8.11	607.63	219.73	0.68
Reach	4825	PF 8	7100.00	5016.85	5025.16		5025.91	0.002721	7.79	1134.57	238.21	0.53
Reach	4825	PF 9	13580.00	5016.85	5029.26		5029.99	0.001448	7.84	2143.04	252.24	0.42
Reach	4825	PF 10	20950.00	5016.85	5033.36		5034.12	0.001001	8.08	3201.54	263.55	0.37
Reach	4825	PF 11	22220.00	5016.85	5033.96		5034.74	0.000972	8.18	3359.72	265.35	0.37
Reach	4825	PF 12	37000.00	5016.85	5039.70		5040.34	0.000694	8.53	7967.29	1035.69	0.33
Reach	4825	PF 13	3612.00	5016.85	5022.53		5023.46	0.005852	8.16	529.31	217.06	0.72
Reach	4571	PF 1	50.00	5015.43	5016.39		5016.45	0.003917	2.01	24.83	37.52	0.44
Reach	4571	PF 2	100.00	5015.43	5016.81		5016.89	0.004419	2.32	43.07	57.52	0.47
Reach	4571	PF 3	200.00	5015.43	5017.34		5017.43	0.003517	2.39	83.77	90.50	0.44
Reach	4571	PF 4	500.00	5015.43	5018.20		5018.33	0.002621	2.94	169.90	107.52	0.41
Reach	4571	PF 5	1000.00	5015.43	5019.15		5019.35	0.002439	3.54	282.43	128.35	0.42
Reach	4571	PF 6	1890.00	5015.43	5020.33		5020.62	0.002129	4.33	436.47	133.08	0.42
Reach	4571	PF 7	4060.00	5015.43	5022.37		5022.88	0.001970	5.74	715.41	140.92	0.44
Reach	4571	PF 8	7100.00	5015.43	5024.57		5025.33	0.001867	7.04	1033.38	146.30	0.45
Reach	4571	PF 9	13580.00	5015.43	5028.38		5029.56	0.001700	8.82	1602.78	152.86	0.46
Reach	4571	PF 10	20950.00	5015.43	5032.18		5033.74	0.001537	10.16	2212.51	198.08	0.46
Reach	4571	PF 11	22220.00	5015.43	5032.70		5034.35	0.001548	10.43	2325.59	231.96	0.46
Reach	4571	PF 12	37000.00	5015.43	5039.55		5040.17	0.000528	7.76	8256.54	1024.47	0.29
Reach	4571	PF 13	3612.00	5015.43	5021.99		5022.46	0.001989	5.50	663.11	139.48	0.43
Reach	4369	PF 1	50.00	5014.31	5015.32		5015.42	0.007709	2.63	18.98	31.85	0.60
Reach	4369	PF 2	100.00	5014.31	5015.65		5015.81	0.008064	3.24	30.89	39.35	0.64
Reach	4369	PF 3	200.00	5014.31	5016.09		5016.34	0.008030	4.02	49.72	45.54	0.68
Reach	4369	PF 4	500.00	5014.31	5016.95		5017.38	0.008471	5.26	95.10	60.63	0.74
Reach	4369	PF 5	1000.00	5014.31	5017.97		5018.52	0.007737	5.95	167.99	83.04	0.74
Reach	4369	PF 6	1890.00	5014.31	5019.07		5019.84	0.007012	7.06	267.99	97.17	0.74
Reach	4369	PF 7	4060.00	5014.31	5020.70		5022.10	0.006932	9.52	434.36	105.76	0.80
Reach	4369	PF 8	7100.00	5014.31	5022.26	5021.83	5024.52	0.007597	12.18	603.23	111.27	0.88
Reach	4369	PF 9	13580.00	5014.31	5025.78		5028.80	0.005606	14.23	1018.29	124.53	0.81
Reach	4369	PF 10	20950.00	5014.31	5029.55	5027.25	5033.05	0.004259	15.49	1678.44	335.03	0.75
Reach	4369	PF 11	22220.00	5014.31	5032.38	5027.55	5033.71	0.001558	10.65	3553.47	793.09	0.47
Reach	4369	PF 12	37000.00	5014.31	5039.66		5039.99	0.000356	6.53	10591.34	1127.25	0.24
Reach	4369	PF 13	3612.00	5014.31	5020.42		5021.69	0.006833	9.06	405.11	104.78	0.78
Reach	4110	PF 1	50.00	5012.15	5013.10		5013.20	0.006445	2.42	20.68	34.53	0.55
Reach	4110	PF 2	100.00	5012.15	5013.45		5013.59	0.006429	2.92	34.26	43.02	0.58
Reach	4110	PF 3	200.00	5012.15	5013.91		5014.11	0.006220	3.60	55.54	49.62	0.60
Reach	4110	PF 4	500.00	5012.15	5014.82		5015.17	0.005893	4.74	105.40	59.67	0.63

Reach	4110	PF 5	1000.00	5012.15	5015.86		5016.38	0.005501	5.80	172.51	68.42	0.64
Reach	4110	PF 6	1890.00	5012.15	5017.00		5017.85	0.006193	7.41	259.38	114.68	0.71
Reach	4110	PF 7	4060.00	5012.15	5019.14		5020.16	0.004554	8.52	544.64	142.22	0.66
Reach	4110	PF 8	7100.00	5012.15	5021.68		5022.76	0.002992	8.96	918.42	151.36	0.57
Reach	4110	PF 9	13580.00	5012.15	5026.15		5027.40	0.001974	9.87	1628.67	168.33	0.50
Reach	4110	PF 10	20950.00	5012.15	5029.10		5030.58	0.002027	11.55	3081.93	694.79	0.52
Reach	4110	PF 11	22220.00	5012.15	5029.54		5030.93	0.001886	11.36	3394.88	712.24	0.51
Reach	4110	PF 12	37000.00	5012.15	5031.74		5033.37	0.002187	13.36	5080.81	818.85	0.56
Reach	4110	PF 13	3612.00	5012.15	5018.73		5019.75	0.004866	8.42	487.38	140.68	0.67
Reach	3845	PF 1	50.00	5010.26	5011.39		5011.48	0.006894	2.50	19.99	33.33	0.57
Reach	3845	PF 2	100.00	5010.26	5011.72		5011.87	0.007167	3.08	32.43	40.67	0.61
Reach	3845	PF 3	200.00	5010.26	5012.18		5012.40	0.007088	3.77	52.99	48.46	0.64
Reach	3845	PF 4	500.00	5010.26	5013.08		5013.46	0.006381	4.93	101.39	56.84	0.65
Reach	3845	PF 5	1000.00	5010.26	5014.03		5014.62	0.006830	6.17	162.01	67.99	0.70
Reach	3845	PF 6	1890.00	5010.26	5015.17		5016.11	0.007126	7.77	243.37	74.26	0.76
Reach	3845	PF 7	4060.00	5010.26	5017.00	5016.45	5018.74	0.007625	10.58	387.23	82.87	0.84
Reach	3845	PF 8	7100.00	5010.26	5018.83	5018.49	5021.57	0.008043	13.38	547.13	91.07	0.90
Reach	3845	PF 9	13580.00	5010.26	5021.94	5021.94	5026.30	0.007940	17.08	848.48	102.86	0.96
Reach	3845	PF 10	20950.00	5010.26	5027.38	5027.38	5029.75	0.002922	13.87	2483.37	592.26	0.62
Reach	3845	PF 11	22220.00	5010.26	5027.69	5027.69	5030.02	0.002874	13.94	2670.87	608.42	0.62
Reach	3845	PF 12	37000.00	5010.26	5029.97	5029.97	5032.55	0.003197	16.10	4221.81	754.42	0.67
Reach	3845	PF 13	3612.00	5010.26	5016.69		5018.26	0.007509	10.06	361.47	81.52	0.82
Reach	3687	PF 1	50.00	5009.42	5010.49		5010.56	0.003742	2.16	23.18	30.36	0.44
Reach	3687	PF 2	100.00	5009.42	5010.89		5011.01	0.004153	2.72	36.75	36.69	0.48
Reach	3687	PF 3	200.00	5009.42	5011.47		5011.64	0.004575	3.26	61.32	50.15	0.52
Reach	3687	PF 4	500.00	5009.42	5012.37		5012.66	0.005409	4.36	114.58	68.63	0.60
Reach	3687	PF 5	1000.00	5009.42	5013.20		5013.71	0.005990	5.70	175.43	75.80	0.66
Reach	3687	PF 6	1890.00	5009.42	5014.23		5015.07	0.006726	7.38	255.93	81.50	0.73
Reach	3687	PF 7	4060.00	5009.42	5016.07		5017.57	0.006877	9.84	416.48	91.61	0.79
Reach	3687	PF 8	7100.00	5009.42	5018.16		5020.29	0.006208	11.77	616.86	100.26	0.80
Reach	3687	PF 9	13580.00	5009.42	5021.83		5024.89	0.005112	14.27	1010.97	116.95	0.78
Reach	3687	PF 10	20950.00	5009.42	5027.47		5028.73	0.001554	10.50	3280.62	609.13	0.46
Reach	3687	PF 11	22220.00	5009.42	5026.76		5028.62	0.002309	12.41	2862.88	576.01	0.56
Reach	3687	PF 12	37000.00	5009.42	5028.54		5031.21	0.003241	15.82	3979.49	692.46	0.67
Reach	3687	PF 13	3612.00	5009.42	5015.72		5017.11	0.006940	9.45	384.62	90.37	0.79
Reach	3480	PF 1	50.00	5008.42	5009.51		5009.61	0.009435	2.53	19.79	41.16	0.64
Reach	3480	PF 2	100.00	5008.42	5009.76		5009.93	0.009601	3.26	30.65	43.89	0.69
Reach	3480	PF 3	200.00	5008.42	5010.11		5010.40	0.010746	4.28	46.74	48.33	0.77
Reach	3480	PF 4	500.00	5008.42	5010.69	5010.66	5011.20	0.016620	5.70	87.72	81.59	0.97
Reach	3480	PF 5	1000.00	5008.42	5011.28	5011.28	5012.12	0.015928	7.37	135.65	82.57	1.01
Reach	3480	PF 6	1890.00	5008.42	5012.16	5012.16	5013.43	0.013999	9.05	208.83	84.04	1.01
Reach	3480	PF 7	4060.00	5008.42	5013.84	5013.84	5015.90	0.012058	11.52	352.44	86.86	1.01
Reach	3480	PF 8	7100.00	5008.42	5015.71	5015.71	5018.63	0.010940	13.70	518.24	89.99	1.01
Reach	3480	PF 9	13580.00	5008.42	5018.88	5018.88	5023.24	0.009552	16.76	813.63	97.83	1.00
Reach	3480	PF 10	20950.00	5008.42	5021.73	5021.73	5027.51	0.008762	19.37	1104.10	105.98	1.00
Reach	3480	PF 11	22220.00	5008.42	5024.88	5024.88	5027.25	0.003083	13.49	2557.53	688.43	0.62
Reach	3480	PF 12	37000.00	5008.42	5028.13		5029.66	0.002064	12.61	5335.78	946.61	0.52
Reach	3480	PF 13	3612.00	5008.42	5013.53	5013.53	5015.44	0.012286	11.10	325.55	86.34	1.01
Reach	3266	PF 1	50.00	5006.65	5007.47		5007.53	0.007632	2.07	24.21	58.16	0.56
Reach	3266	PF 2	100.00	5006.65	5007.70		5007.80	0.007852	2.54	39.39	70.91	0.60
Reach	3266	PF 3	200.00	5006.65	5008.00		5008.16	0.008246	3.23	61.88	80.34	0.65
Reach	3266	PF 4	500.00	5006.65	5008.58		5008.87	0.008337	4.35	115.06	96.35	0.70
Reach	3266	PF 5	1000.00	5006.65	5009.21		5009.70	0.008738	5.60	178.67	105.76	0.76
Reach	3266	PF 6	1890.00	5006.65	5010.19		5010.76	0.006281	6.19	333.45	178.32	0.69
Reach	3266	PF 7	4060.00	5006.65	5012.23		5012.80	0.003153	6.43	711.67	190.49	0.53
Reach	3266	PF 8	7100.00	5006.65	5014.55		5015.18	0.002128	6.86	1160.84	197.16	0.47
Reach	3266	PF 9	13580.00	5006.65	5018.23		5019.08	0.001677	7.96	1907.15	208.44	0.44
Reach	3266	PF 10	20950.00	5006.65	5021.59		5022.61	0.001466	8.88	2892.14	485.15	0.43
Reach	3266	PF 11	22220.00	5006.65	5022.31		5023.41	0.001552	9.46	3250.12	563.66	0.44

Reach	3266	PF 12	37000.00	5006.65	5028.60		5029.15	0.000628	7.69	7999.13	914.45	0.30
Reach	3266	PF 13	3612.00	5006.65	5011.84		5012.41	0.003477	6.38	638.22	189.37	0.55
Reach	3026	PF 1	50.00	5004.64	5005.67		5005.74	0.006689	2.18	22.98	46.21	0.54
Reach	3026	PF 2	100.00	5004.64	5005.97		5006.06	0.006171	2.51	39.90	60.98	0.55
Reach	3026	PF 3	200.00	5004.64	5006.35		5006.50	0.005504	3.09	64.78	66.34	0.55
Reach	3026	PF 4	500.00	5004.64	5007.14		5007.41	0.005112	4.15	120.51	74.64	0.58
Reach	3026	PF 5	1000.00	5004.64	5008.07		5008.48	0.004915	5.15	194.35	84.32	0.60
Reach	3026	PF 6	1890.00	5004.64	5009.20		5009.83	0.004601	6.42	307.08	115.26	0.61
Reach	3026	PF 7	4060.00	5004.64	5011.17		5012.13	0.004120	8.10	544.74	124.10	0.62
Reach	3026	PF 8	7100.00	5004.64	5013.36		5014.63	0.003637	9.48	823.61	131.58	0.61
Reach	3026	PF 9	13580.00	5004.64	5016.46		5018.50	0.003752	12.16	1250.08	143.39	0.66
Reach	3026	PF 10	20950.00	5004.64	5019.10	5016.71	5021.97	0.003978	14.55	1646.30	250.62	0.71
Reach	3026	PF 11	22220.00	5004.64	5019.46	5017.04	5022.53	0.004129	15.09	1702.96	278.95	0.72
Reach	3026	PF 12	37000.00	5004.64	5028.47		5029.01	0.000597	8.07	8069.15	872.55	0.30
Reach	3026	PF 13	3612.00	5004.64	5010.80		5011.70	0.004224	7.84	498.97	122.93	0.62
Reach	2778	PF 1	50.00	5001.92	5003.34		5003.44	0.005645	2.51	19.91	28.02	0.53
Reach	2778	PF 2	100.00	5001.92	5003.77		5003.91	0.005143	3.02	33.09	32.85	0.53
Reach	2778	PF 3	200.00	5001.92	5004.38		5004.58	0.004774	3.65	54.86	38.77	0.54
Reach	2778	PF 4	500.00	5001.92	5005.69		5005.91	0.003374	3.79	131.93	67.94	0.48
Reach	2778	PF 5	1000.00	5001.92	5006.94		5007.22	0.003237	4.28	233.45	97.11	0.49
Reach	2778	PF 6	1890.00	5001.92	5008.27		5008.67	0.002817	5.11	369.92	106.03	0.48
Reach	2778	PF 7	4060.00	5001.92	5010.50		5011.17	0.002661	6.58	617.01	115.81	0.50
Reach	2778	PF 8	7100.00	5001.92	5012.77		5013.77	0.002511	8.03	890.23	124.21	0.52
Reach	2778	PF 9	13580.00	5001.92	5015.77		5017.59	0.002960	10.90	1278.47	171.98	0.59
Reach	2778	PF 10	20950.00	5001.92	5018.15		5020.97	0.003512	13.60	1638.29	578.11	0.67
Reach	2778	PF 11	22220.00	5001.92	5018.58		5021.49	0.003498	13.87	1726.69	662.39	0.67
Reach	2778	PF 12	37000.00	5001.92	5026.27		5028.51	0.001624	12.79	3424.21	937.94	0.49
Reach	2778	PF 13	3612.00	5001.92	5010.10		5010.72	0.002680	6.32	571.45	114.00	0.50
Reach	2584	PF 1	50.00	5001.01	5002.43	5001.89	5002.50	0.002772	2.11	23.73	25.56	0.39
Reach	2584	PF 2	100.00	5001.01	5002.92	5002.25	5003.03	0.003060	2.65	37.71	30.91	0.42
Reach	2584	PF 3	200.00	5001.01	5003.58	5002.76	5003.75	0.003354	3.31	60.47	38.05	0.46
Reach	2584	PF 4	500.00	5001.01	5004.87	5003.76	5005.15	0.003414	4.23	118.12	51.90	0.49
Reach	2584	PF 5	1000.00	5001.01	5006.11	5004.84	5006.49	0.004343	4.89	204.29	86.81	0.56
Reach	2584	PF 6	1890.00	5001.01	5007.63	5006.20	5008.08	0.003323	5.36	352.34	106.81	0.52
Reach	2584	PF 7	4060.00	5001.01	5009.98	5007.88	5010.64	0.002783	6.55	620.19	121.48	0.51
Reach	2584	PF 8	7100.00	5001.01	5012.33	5009.55	5013.25	0.002641	7.69	923.59	136.19	0.52
Reach	2584	PF 9	13580.00	5001.01	5015.33	5012.29	5016.90	0.002901	10.08	1353.80	148.03	0.58
Reach	2584	PF 10	20950.00	5001.01	5017.70	5014.61	5020.08	0.003260	12.40	1710.79	152.49	0.63
Reach	2584	PF 11	22220.00	5001.01	5018.13	5014.97	5020.62	0.003258	12.69	1775.54	153.40	0.64
Reach	2584	PF 12	37000.00	5001.01	5022.62	5018.67	5026.23	0.003141	15.33	2486.79	163.06	0.66
Reach	2584	PF 13	3612.00	5001.01	5009.56	5007.61	5010.19	0.002819	6.33	570.89	118.91	0.51
Reach	2558.5		Bridge									
Reach	2533	PF 1	50.00	5000.94	5002.18		5002.28	0.005397	2.55	19.60	26.19	0.52
Reach	2533	PF 2	100.00	5000.94	5002.64		5002.79	0.004680	3.11	32.19	28.62	0.52
Reach	2533	PF 3	200.00	5000.94	5003.21		5003.46	0.005893	4.03	49.63	35.39	0.60
Reach	2533	PF 4	500.00	5000.94	5004.49		5004.75	0.005053	4.14	120.89	74.06	0.57
Reach	2533	PF 5	1000.00	5000.94	5005.54		5005.92	0.004119	4.91	203.79	82.76	0.55
Reach	2533	PF 6	1890.00	5000.94	5006.96		5007.45	0.003864	5.61	336.96	106.81	0.56
Reach	2533	PF 7	4060.00	5000.94	5009.24		5009.98	0.003063	6.90	589.08	117.55	0.53
Reach	2533	PF 8	7100.00	5000.94	5011.53		5012.58	0.002727	8.29	878.30	134.96	0.53
Reach	2533	PF 9	13580.00	5000.94	5014.24		5016.19	0.003390	11.37	1254.48	142.61	0.63
Reach	2533	PF 10	20950.00	5000.94	5016.17		5019.31	0.004384	14.52	1535.67	148.53	0.74
Reach	2533	PF 11	22220.00	5000.94	5016.55		5019.85	0.004422	14.88	1592.54	149.70	0.74
Reach	2533	PF 12	37000.00	5000.94	5020.95		5025.54	0.004214	17.76	2278.67	161.98	0.76
Reach	2533	PF 13	3612.00	5000.94	5008.85		5009.53	0.003113	6.65	543.43	112.31	0.53
Reach	2402	PF 1	50.00	4999.69	5001.10	5000.29	5001.13	0.000671	1.19	41.97	36.73	0.20

Reach	2402	PF 2	100.00	4999.69	5001.64	5000.53	5001.68	0.000782	1.60	62.57	39.34	0.22
Reach	2402	PF 3	200.00	4999.69	5002.45	5000.91	5002.52	0.000866	2.09	95.75	43.22	0.25
Reach	2402	PF 4	500.00	4999.69	5003.91	5001.77	5004.03	0.001359	2.82	177.61	72.19	0.32
Reach	2402	PF 5	1000.00	4999.69	5005.24	5002.86	5005.42	0.001627	3.40	293.93	103.27	0.36
Reach	2402	PF 6	1890.00	4999.69	5006.72	5004.29	5006.98	0.001530	4.12	460.08	117.68	0.36
Reach	2402	PF 7	4060.00	4999.69	5009.09	5006.07	5009.55	0.001486	5.49	749.02	126.95	0.39
Reach	2402	PF 8	7100.00	4999.69	5011.41	5007.66	5012.14	0.001559	6.93	1053.02	135.19	0.42
Reach	2402	PF 9	13580.00	4999.69	5014.09	5010.31	5015.59	0.002237	9.96	1427.70	143.78	0.52
Reach	2402	PF 10	20950.00	4999.69	5015.96	5012.79	5018.51	0.003118	13.03	1702.27	148.72	0.63
Reach	2402	PF 11	22220.00	4999.69	5016.34	5013.19	5019.04	0.003177	13.40	1758.88	149.67	0.64
Reach	2402	PF 12	37000.00	4999.69	5020.75	5017.19	5024.73	0.003279	16.44	2443.40	160.76	0.68
Reach	2402	PF 13	3612.00	4999.69	5008.68	5005.78	5009.10	0.001476	5.23	697.43	125.50	0.38
Reach	2377.5		Bridge									
Reach	2353	PF 1	50.00	4999.57	5001.07		5001.09	0.000825	1.08	46.42	55.55	0.21
Reach	2353	PF 2	100.00	4999.57	5001.56		5001.59	0.000732	1.34	74.44	58.30	0.21
Reach	2353	PF 3	200.00	4999.57	5002.23		5002.28	0.000771	1.73	115.91	64.72	0.23
Reach	2353	PF 4	500.00	4999.57	5003.44		5003.54	0.000946	2.50	200.39	74.76	0.27
Reach	2353	PF 5	1000.00	4999.57	5004.63		5004.81	0.001348	3.36	297.31	92.29	0.33
Reach	2353	PF 6	1890.00	4999.57	5006.07		5006.35	0.001594	4.23	447.33	112.59	0.37
Reach	2353	PF 7	4060.00	4999.57	5008.42		5008.92	0.001583	5.69	720.08	119.73	0.40
Reach	2353	PF 8	7100.00	4999.57	5010.74		5011.54	0.001685	7.23	1005.83	127.72	0.43
Reach	2353	PF 9	13580.00	4999.57	5013.28		5014.97	0.002544	10.55	1346.50	140.54	0.56
Reach	2353	PF 10	20950.00	4999.57	5014.78		5017.82	0.003901	14.20	1561.59	146.39	0.70
Reach	2353	PF 11	22220.00	4999.57	5015.11		5018.33	0.004006	14.64	1610.53	147.50	0.72
Reach	2353	PF 12	37000.00	4999.57	5019.34		5024.03	0.004092	17.86	2265.33	162.38	0.76
Reach	2353	PF 13	3612.00	4999.57	5008.01		5008.47	0.001568	5.42	671.43	118.28	0.39
Reach	2145	PF 1	50.00	4999.00	5000.21		5000.28	0.002905	2.10	23.78	26.71	0.39
Reach	2145	PF 2	100.00	4999.00	5000.73		5000.83	0.002887	2.56	39.08	32.47	0.41
Reach	2145	PF 3	200.00	4999.00	5001.43		5001.58	0.002923	3.11	64.29	40.14	0.43
Reach	2145	PF 4	500.00	4999.00	5002.71		5002.94	0.003116	3.82	130.85	63.05	0.47
Reach	2145	PF 5	1000.00	4999.00	5003.97		5004.25	0.003114	4.24	235.76	97.41	0.48
Reach	2145	PF 6	1890.00	4999.00	5005.40		5005.78	0.002558	4.91	384.61	109.63	0.46
Reach	2145	PF 7	4060.00	4999.00	5007.81		5008.39	0.002155	6.12	664.95	124.79	0.46
Reach	2145	PF 8	7100.00	4999.00	5010.24		5011.07	0.001926	7.36	998.56	151.09	0.46
Reach	2145	PF 9	13580.00	4999.00	5012.74		5014.25	0.002554	10.17	1653.25	760.48	0.55
Reach	2145	PF 10	20950.00	4999.00	5013.65		5016.17	0.004055	13.54	2050.92	776.78	0.71
Reach	2145	PF 11	22220.00	4999.00	5014.20		5016.50	0.003600	13.16	2301.01	793.57	0.67
Reach	2145	PF 12	37000.00	4999.00	5020.50		5021.53	0.001140	9.82	5390.62	869.54	0.40
Reach	2145	PF 13	3612.00	4999.00	5007.39		5007.93	0.002218	5.89	613.10	121.01	0.46
Reach	1849	PF 1	50.00	4997.33	4998.55		4998.66	0.004403	2.64	18.96	20.66	0.48
Reach	1849	PF 2	100.00	4997.33	4999.07		4999.24	0.004425	3.24	30.86	24.69	0.51
Reach	1849	PF 3	200.00	4997.33	4999.77		5000.02	0.004550	4.01	49.93	29.53	0.54
Reach	1849	PF 4	500.00	4997.33	5001.11		5001.55	0.005112	5.30	94.28	39.67	0.61
Reach	1849	PF 5	1000.00	4997.33	5002.44		5003.02	0.005115	6.11	167.01	65.02	0.63
Reach	1849	PF 6	1890.00	4997.33	5003.85		5004.70	0.004610	7.53	269.11	80.17	0.64
Reach	1849	PF 7	4060.00	4997.33	5006.13		5007.49	0.004422	9.79	477.74	102.26	0.67
Reach	1849	PF 8	7100.00	4997.33	5008.40		5010.26	0.004334	11.81	738.95	130.22	0.70
Reach	1849	PF 9	13580.00	4997.33	5012.12	5012.12	5013.38	0.002543	11.42	2541.76	898.47	0.57
Reach	1849	PF 10	20950.00	4997.33	5014.11		5014.84	0.001618	10.04	4413.60	979.19	0.46
Reach	1849	PF 11	22220.00	4997.33	5014.74		5015.32	0.001290	9.23	5039.28	1012.00	0.42
Reach	1849	PF 12	37000.00	4997.33	5020.90		5021.09	0.000309	5.67	11718.31	1119.63	0.22
Reach	1849	PF 13	3612.00	4997.33	5005.73		5006.99	0.004451	9.42	436.94	98.35	0.67
Reach	1587	PF 1	50.00	4995.96	4997.09		4997.29	0.009882	3.62	13.82	17.08	0.71
Reach	1587	PF 2	100.00	4995.96	4997.55		4997.85	0.010614	4.38	22.85	22.42	0.76
Reach	1587	PF 3	200.00	4995.96	4998.10		4998.55	0.011862	5.38	37.17	29.10	0.84
Reach	1587	PF 4	500.00	4995.96	4999.27		4999.93	0.009669	6.53	76.53	38.23	0.81
Reach	1587	PF 5	1000.00	4995.96	5000.54		5001.43	0.009219	7.57	132.02	50.97	0.83
Reach	1587	PF 6	1890.00	4995.96	5002.13		5003.20	0.007239	8.32	229.79	71.22	0.78

Reach	1587	PF 7	4060.00	4995.96	5004.40		5006.04	0.005966	10.48	421.12	98.95	0.77
Reach	1587	PF 8	7100.00	4995.96	5007.05		5008.92	0.004420	11.58	727.28	132.62	0.70
Reach	1587	PF 9	13580.00	4995.96	5010.32		5012.03	0.003314	12.47	1976.63	620.32	0.64
Reach	1587	PF 10	20950.00	4995.96	5013.80		5014.43	0.001203	8.93	4405.13	759.47	0.40
Reach	1587	PF 11	22220.00	4995.96	5014.47		5015.01	0.001009	8.41	4913.99	776.50	0.37
Reach	1587	PF 12	37000.00	4995.96	5020.74		5021.00	0.000354	6.22	10487.33	991.29	0.23
Reach	1587	PF 13	3612.00	4995.96	5003.96		5005.53	0.006271	10.20	378.91	93.33	0.77
Reach	1287	PF 1	50.00	4992.49	4993.97		4994.02	0.001455	1.77	28.28	24.22	0.29
Reach	1287	PF 2	100.00	4992.49	4994.56		4994.65	0.001609	2.31	43.33	26.59	0.32
Reach	1287	PF 3	200.00	4992.49	4995.34		4995.49	0.001942	3.06	65.46	30.16	0.37
Reach	1287	PF 4	500.00	4992.49	4996.81		4997.11	0.002416	4.41	113.50	34.74	0.43
Reach	1287	PF 5	1000.00	4992.49	4998.31		4998.86	0.003105	5.94	168.40	38.90	0.50
Reach	1287	PF 6	1890.00	4992.49	4999.95		5000.92	0.004339	7.89	241.24	50.65	0.61
Reach	1287	PF 7	4060.00	4992.49	5002.25		5004.15	0.005688	11.20	384.96	74.57	0.74
Reach	1287	PF 8	7100.00	4992.49	5004.46	5004.02	5007.35	0.006271	14.11	576.04	98.19	0.82
Reach	1287	PF 9	13580.00	4992.49	5009.49		5010.95	0.002511	11.92	2144.19	560.94	0.56
Reach	1287	PF 10	20950.00	4992.49	5013.56		5014.10	0.000903	8.45	4720.91	710.46	0.35
Reach	1287	PF 11	22220.00	4992.49	5014.25		5014.72	0.000778	8.04	5216.57	726.84	0.32
Reach	1287	PF 12	37000.00	4992.49	5020.64		5020.90	0.000325	6.30	10505.05	919.17	0.22
Reach	1287	PF 13	3612.00	4992.49	5001.85		5003.58	0.005538	10.64	356.15	70.27	0.73
Reach	1045	PF 1	50.00	4991.09	4993.40		4993.43	0.000943	1.40	35.75	29.97	0.23
Reach	1045	PF 2	100.00	4991.09	4993.93		4993.99	0.001164	1.90	52.60	32.55	0.26
Reach	1045	PF 3	200.00	4991.09	4994.66		4994.76	0.001466	2.58	77.50	36.02	0.31
Reach	1045	PF 4	500.00	4991.09	4996.00		4996.23	0.002042	3.84	130.12	42.61	0.39
Reach	1045	PF 5	1000.00	4991.09	4997.35		4997.77	0.002748	5.19	192.70	50.36	0.47
Reach	1045	PF 6	1890.00	4991.09	4998.90		4999.62	0.003452	6.81	281.64	64.86	0.55
Reach	1045	PF 7	4060.00	4991.09	5001.40		5002.64	0.003981	9.06	471.75	86.65	0.62
Reach	1045	PF 8	7100.00	4991.09	5003.97		5005.69	0.003704	10.88	735.02	116.95	0.63
Reach	1045	PF 9	13580.00	4991.09	5008.95		5010.20	0.001902	10.41	2047.83	390.68	0.49
Reach	1045	PF 10	20950.00	4991.09	5013.12		5013.85	0.000970	8.82	3744.56	419.74	0.36
Reach	1045	PF 11	22220.00	4991.09	5013.81		5014.50	0.000884	8.63	4036.48	422.89	0.35
Reach	1045	PF 12	37000.00	4991.09	5020.20		5020.77	0.000532	8.12	6877.89	457.49	0.28
Reach	1045	PF 13	3612.00	4991.09	5000.94		5002.09	0.004062	8.72	432.73	82.27	0.62
Reach	826	PF 1	50.00	4991.84	4992.55		4992.67	0.008210	2.77	18.06	29.28	0.62
Reach	826	PF 2	100.00	4991.84	4992.87		4993.07	0.008520	3.62	27.62	30.68	0.67
Reach	826	PF 3	200.00	4991.84	4993.32		4993.68	0.009215	4.76	41.99	32.61	0.74
Reach	826	PF 4	500.00	4991.84	4994.24		4994.96	0.010382	6.78	73.72	36.52	0.84
Reach	826	PF 5	1000.00	4991.84	4995.55	4995.19	4996.47	0.009994	7.71	129.64	51.51	0.86
Reach	826	PF 6	1890.00	4991.84	4997.55	4996.67	4998.31	0.005532	6.97	271.33	81.01	0.67
Reach	826	PF 7	4060.00	4991.84	5000.70	4998.53	5001.45	0.002501	7.16	641.83	172.13	0.50
Reach	826	PF 8	7100.00	4991.84	5004.10		5004.70	0.001274	6.81	1324.49	220.22	0.38
Reach	826	PF 9	13580.00	4991.84	5009.17		5009.73	0.000770	6.99	2546.04	256.08	0.32
Reach	826	PF 10	20950.00	4991.84	5012.98		5013.65	0.000699	7.76	3555.60	273.71	0.32
Reach	826	PF 11	22220.00	4991.84	5013.64		5014.32	0.000680	7.83	3738.41	276.46	0.31
Reach	826	PF 12	37000.00	4991.84	5019.76		5020.61	0.000611	8.93	5509.88	302.33	0.31
Reach	826	PF 13	3612.00	4991.84	5000.11		5000.88	0.002865	7.18	550.15	145.01	0.53
Reach	625	PF 1	50.00	4989.86	4990.39	4990.39	4990.59	0.006485	3.54	14.12	36.21	1.00
Reach	625	PF 2	100.00	4989.86	4990.63	4990.63	4990.93	0.005679	4.42	22.62	37.58	1.00
Reach	625	PF 3	200.00	4989.86	4990.98	4990.98	4991.45	0.004994	5.48	36.48	39.72	1.01
Reach	625	PF 4	500.00	4989.86	4991.77	4991.77	4992.57	0.004180	7.18	69.63	44.01	1.01
Reach	625	PF 5	1000.00	4989.86	4992.73	4992.73	4993.93	0.003681	8.80	113.62	47.69	1.00
Reach	625	PF 6	1890.00	4989.86	4994.04	4994.04	4995.77	0.003322	10.55	179.14	52.52	1.01
Reach	625	PF 7	4060.00	4989.86	4996.47	4996.47	4998.97	0.002953	12.70	319.78	64.42	1.00
Reach	625	PF 8	7100.00	4989.86	4998.88	4998.88	5002.18	0.002730	14.57	487.19	74.61	1.01
Reach	625	PF 9	13580.00	4989.86	5002.66	5002.66	5007.16	0.002516	17.02	798.01	89.75	1.01
Reach	625	PF 10	20950.00	4989.86	5005.98	5005.98	5011.46	0.002365	18.79	1114.83	102.35	1.00
Reach	625	PF 11	22220.00	4989.86	5006.48	5006.48	5012.11	0.002340	19.04	1167.10	104.10	1.00
Reach	625	PF 12	37000.00	4989.86	5011.50	5011.50	5018.53	0.002209	21.27	1739.26	124.76	1.00
Reach	625	PF 13	3612.00	4989.86	4996.02	4996.02	4998.40	0.003006	12.40	291.36	61.69	1.01

Reach	398	PF 1	50.00	4981.70	4982.43	4982.43	4982.68	0.006014	4.02	12.43	24.83	1.00
Reach	398	PF 2	100.00	4981.70	4982.73	4982.73	4983.12	0.005272	5.00	20.02	26.08	1.00
Reach	398	PF 3	200.00	4981.70	4983.19	4983.19	4983.78	0.004709	6.18	32.35	27.93	1.01
Reach	398	PF 4	500.00	4981.70	4984.19	4984.19	4985.19	0.004004	8.02	62.37	31.88	1.01
Reach	398	PF 5	1000.00	4981.70	4985.41	4985.41	4986.84	0.003553	9.60	104.13	36.67	1.00
Reach	398	PF 6	1890.00	4981.70	4987.01	4987.01	4988.97	0.003260	11.26	167.82	43.18	1.01
Reach	398	PF 7	4060.00	4981.70	4989.75	4989.75	4992.53	0.002946	13.38	303.39	55.29	1.01
Reach	398	PF 8	7100.00	4981.70	4992.45	4992.45	4996.04	0.002739	15.21	466.91	65.88	1.01
Reach	398	PF 9	13580.00	4981.70	4996.62	4996.62	5001.33	0.002519	17.42	779.52	83.72	1.01
Reach	398	PF 10	20950.00	4981.70	5000.06	5000.06	5005.82	0.002391	19.25	1088.29	96.00	1.01
Reach	398	PF 11	22220.00	4981.70	5000.59	5000.59	5006.49	0.002374	19.49	1140.04	98.12	1.01
Reach	398	PF 12	37000.00	4981.70	5005.88	5005.88	5013.08	0.002181	21.54	1721.69	134.26	1.00
Reach	398	PF 13	3612.00	4981.70	4989.27	4989.27	4991.90	0.002999	13.01	277.60	53.61	1.01
Reach	159	PF 1	50.00	4975.87	4976.75	4976.75	4977.05	0.005849	4.37	11.43	19.58	1.01
Reach	159	PF 2	100.00	4975.87	4977.11	4977.11	4977.55	0.005146	5.31	18.82	21.74	1.01
Reach	159	PF 3	200.00	4975.87	4977.64	4977.64	4978.28	0.004558	6.38	31.34	24.99	1.00
Reach	159	PF 4	500.00	4975.87	4978.73	4978.73	4979.75	0.003972	8.11	61.68	30.66	1.01
Reach	159	PF 5	1000.00	4975.87	4979.99	4979.99	4981.43	0.003637	9.63	103.87	36.71	1.01
Reach	159	PF 6	1890.00	4975.87	4981.59	4981.59	4983.57	0.003298	11.31	167.12	42.62	1.01
Reach	159	PF 7	4060.00	4975.87	4984.37	4984.37	4987.18	0.002945	13.47	301.43	53.75	1.00
Reach	159	PF 8	7100.00	4975.87	4987.12	4987.12	4990.73	0.002770	15.25	465.54	65.45	1.01
Reach	159	PF 9	13580.00	4975.87	4991.36	4991.36	4996.12	0.002526	17.50	776.08	82.18	1.00
Reach	159	PF 10	20950.00	4975.87	4994.90	4994.90	5000.59	0.002407	19.16	1093.61	97.27	1.01
Reach	159	PF 11	22220.00	4975.87	4995.45	4995.45	5001.27	0.002348	19.35	1151.49	111.11	1.00
Reach	159	PF 12	37000.00	4975.87	5000.63	5000.63	5007.67	0.001879	21.53	1892.06	154.23	0.94
Reach	159	PF 13	3612.00	4975.87	4983.89	4983.89	4986.55	0.002979	13.08	276.19	52.03	1.00

APPENDIX C.3

HEC-RAS Summary Output Files Project Conditions with Aggraded Channel at Bridge

Profile Output Table - Standard Table 1

HEC-RAS Plan: AggCh RvBrdg River: Stream Reach: Reach

Rivers = 1
 # Hydraulic Reaches = 1
 # River Stations = 89
 # Plans = 1
 # Profiles = 13

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Chl
Reach	12605	PF 1	50.00	5063.34	5066.37		5066.38	0.000098	0.70	71.07	30.83	0.08	
Reach	12605	PF 2	100.00	5063.34	5067.07		5067.08	0.000177	1.07	93.46	33.43	0.11	
Reach	12605	PF 3	200.00	5063.34	5067.98		5068.02	0.000306	1.59	125.53	36.96	0.15	
Reach	12605	PF 4	500.00	5063.34	5069.70		5069.80	0.000560	2.57	194.74	43.51	0.21	
Reach	12605	PF 5	1000.00	5063.34	5071.56		5071.75	0.000735	3.57	281.14	48.26	0.26	
Reach	12605	PF 6	1890.00	5063.34	5073.86		5074.23	0.000880	4.85	396.30	51.68	0.30	
Reach	12605	PF 7	4060.00	5063.34	5077.73		5078.48	0.001103	7.00	607.16	57.43	0.35	
Reach	12605	PF 8	7100.00	5063.34	5081.58		5082.83	0.001299	9.13	839.49	63.15	0.40	
Reach	12605	PF 9	13580.00	5063.34	5086.23	5079.38	5087.00	0.000859	8.80	3570.42	1050.99	0.34	
Reach	12605	PF 10	20950.00	5063.34	5086.21		5088.08	0.002062	13.62	3555.04	1049.31	0.53	
Reach	12605	PF 11	22220.00	5063.34	5086.29		5088.29	0.002230	14.20	3634.22	1055.52	0.55	
Reach	12605	PF 12	37000.00	5063.34	5087.82		5089.99	0.002757	16.56	5311.71	1129.87	0.62	
Reach	12605	PF 13	3612.00	5063.34	5077.04		5077.72	0.001065	6.62	568.31	56.41	0.34	
Reach	12390	PF 1	50.00	5064.04	5066.04		5066.13	0.002566	2.38	21.03	17.49	0.38	
Reach	12390	PF 2	100.00	5064.04	5066.63		5066.78	0.003032	3.14	31.88	19.57	0.43	
Reach	12390	PF 3	200.00	5064.04	5067.35		5067.63	0.003968	4.26	47.00	22.04	0.51	
Reach	12390	PF 4	500.00	5064.04	5068.64		5069.27	0.005930	6.40	78.15	26.43	0.66	
Reach	12390	PF 5	1000.00	5064.04	5069.98		5071.12	0.007867	8.58	116.56	30.99	0.78	
Reach	12390	PF 6	1890.00	5064.04	5071.66	5071.20	5073.50	0.009221	10.91	173.39	36.50	0.87	
Reach	12390	PF 7	4060.00	5064.04	5074.61	5074.35	5077.69	0.009257	14.14	293.85	44.85	0.93	
Reach	12390	PF 8	7100.00	5064.04	5078.05	5077.50	5082.03	0.007449	16.25	464.10	54.22	0.88	
Reach	12390	PF 9	13580.00	5064.04	5085.21		5086.01	0.001347	9.76	3386.94	1043.05	0.41	
Reach	12390	PF 10	20950.00	5064.04	5085.65	5085.65	5087.01	0.002396	13.23	3853.42	1064.29	0.55	
Reach	12390	PF 11	22220.00	5064.04	5085.79	5085.79	5087.17	0.002479	13.52	3994.17	1070.88	0.56	
Reach	12390	PF 12	37000.00	5064.04	5087.18		5088.74	0.003028	15.70	5524.35	1120.76	0.62	
Reach	12390	PF 13	3612.00	5064.04	5074.05	5073.74	5076.93	0.009371	13.67	269.15	43.43	0.92	
Reach	12182	PF 1	50.00	5063.51	5064.69		5064.76	0.003172	2.11	23.66	28.23	0.41	
Reach	12182	PF 2	100.00	5063.51	5065.24		5065.34	0.002513	2.50	40.02	30.89	0.39	
Reach	12182	PF 3	200.00	5063.51	5066.05		5066.19	0.002150	3.03	66.09	33.59	0.38	
Reach	12182	PF 4	500.00	5063.51	5067.55		5067.82	0.002301	4.14	120.71	39.65	0.42	
Reach	12182	PF 5	1000.00	5063.51	5069.18		5069.60	0.002519	5.24	190.77	46.36	0.46	
Reach	12182	PF 6	1890.00	5063.51	5071.31		5071.95	0.002345	6.44	296.71	52.79	0.46	
Reach	12182	PF 7	4060.00	5063.51	5075.04		5076.07	0.002238	8.27	513.48	63.79	0.47	
Reach	12182	PF 8	7100.00	5063.51	5079.08		5080.48	0.001993	9.73	804.52	84.78	0.47	
Reach	12182	PF 9	13580.00	5063.51	5085.26		5085.73	0.000663	7.24	4214.79	1073.28	0.29	
Reach	12182	PF 10	20950.00	5063.51	5084.71	5084.71	5086.30	0.002169	12.84	3625.89	1042.23	0.52	
Reach	12182	PF 11	22220.00	5063.51	5084.94	5084.94	5086.48	0.002131	12.83	3872.55	1060.37	0.52	
Reach	12182	PF 12	37000.00	5063.51	5086.34	5086.34	5088.15	0.002782	15.37	5392.67	1113.79	0.60	
Reach	12182	PF 13	3612.00	5063.51	5074.35		5075.32	0.002257	7.97	470.70	61.53	0.47	
Reach	11949	PF 1	50.00	5062.21	5063.60		5063.76	0.005323	3.13	15.96	15.19	0.54	
Reach	11949	PF 2	100.00	5062.21	5064.30		5064.50	0.004445	3.61	27.67	18.38	0.52	
Reach	11949	PF 3	200.00	5062.21	5065.10		5065.37	0.005098	4.19	47.73	28.06	0.57	
Reach	11949	PF 4	500.00	5062.21	5066.41		5066.92	0.005154	5.75	86.90	31.19	0.61	
Reach	11949	PF 5	1000.00	5062.21	5067.78		5068.68	0.006015	7.61	131.33	33.90	0.68	
Reach	11949	PF 6	1890.00	5062.21	5069.45		5070.97	0.007224	9.89	191.03	37.22	0.77	
Reach	11949	PF 7	4060.00	5062.21	5072.22	5071.59	5075.05	0.008425	13.51	302.25	43.91	0.87	
Reach	11949	PF 8	7100.00	5062.21	5075.08	5074.82	5079.41	0.008472	16.83	440.24	53.11	0.92	

Reach	11949	PF 9	13580.00	5062.21	5082.71		5083.46	0.001273	9.44	3295.37	892.57	0.39
Reach	11949	PF 10	20950.00	5062.21	5082.77	5082.77	5084.48	0.002916	14.32	3350.84	900.06	0.59
Reach	11949	PF 11	22220.00	5062.21	5082.88	5082.88	5084.66	0.003063	14.74	3454.30	934.42	0.61
Reach	11949	PF 12	37000.00	5062.21	5084.53	5084.53	5086.37	0.003477	16.64	5072.64	1018.14	0.66
Reach	11949	PF 13	3612.00	5062.21	5071.74	5071.03	5074.31	0.008344	12.86	281.48	42.45	0.86
Reach	11760	PF 1	50.00	5060.34	5062.80		5062.90	0.003194	2.57	19.49	16.53	0.42
Reach	11760	PF 2	100.00	5060.34	5063.46		5063.60	0.003719	3.04	32.91	23.99	0.46
Reach	11760	PF 3	200.00	5060.34	5064.32		5064.52	0.003301	3.60	55.57	28.47	0.45
Reach	11760	PF 4	500.00	5060.34	5065.58		5066.00	0.004446	5.21	96.00	35.40	0.56
Reach	11760	PF 5	1000.00	5060.34	5066.73		5067.54	0.005790	7.22	138.80	38.71	0.67
Reach	11760	PF 6	1890.00	5060.34	5068.05		5069.57	0.007776	9.93	191.90	42.08	0.80
Reach	11760	PF 7	4060.00	5060.34	5070.18	5070.18	5073.41	0.010345	14.50	286.92	46.78	0.98
Reach	11760	PF 8	7100.00	5060.34	5073.26	5073.26	5077.67	0.008698	17.08	440.77	53.09	0.96
Reach	11760	PF 9	13580.00	5060.34	5082.92	5080.28	5083.17	0.000449	6.12	5066.23	1031.08	0.24
Reach	11760	PF 10	20950.00	5060.34	5081.33	5081.33	5082.84	0.002514	13.69	3560.73	914.40	0.57
Reach	11760	PF 11	22220.00	5060.34	5081.35	5081.35	5083.03	0.002788	14.42	3582.16	914.58	0.60
Reach	11760	PF 12	37000.00	5060.34	5082.63	5082.63	5084.73	0.003732	17.48	4784.29	983.35	0.70
Reach	11760	PF 13	3612.00	5060.34	5069.66	5069.66	5072.69	0.010746	14.01	262.85	45.70	0.99
Reach	11589	PF 1	50.00	5060.40	5061.88	5061.76	5062.16	0.013831	4.23	11.82	14.84	0.84
Reach	11589	PF 2	100.00	5060.40	5062.34	5062.23	5062.75	0.014141	5.11	19.56	18.77	0.88
Reach	11589	PF 3	200.00	5060.40	5062.97	5062.88	5063.53	0.014293	6.00	33.33	25.25	0.92
Reach	11589	PF 4	500.00	5060.40	5064.03	5064.03	5065.01	0.015209	7.95	62.89	32.46	1.01
Reach	11589	PF 5	1000.00	5060.40	5065.23	5065.23	5066.40	0.014197	8.68	115.25	49.66	1.00
Reach	11589	PF 6	1890.00	5060.40	5066.51	5066.51	5068.18	0.012748	10.36	182.51	55.21	1.00
Reach	11589	PF 7	4060.00	5060.40	5069.86		5071.56	0.006049	10.46	390.80	69.91	0.76
Reach	11589	PF 8	7100.00	5060.40	5074.37		5075.85	0.002859	9.90	772.42	110.69	0.56
Reach	11589	PF 9	13580.00	5060.40	5078.18	5077.56	5079.18	0.001777	9.55	2735.85	930.83	0.46
Reach	11589	PF 10	20950.00	5060.40	5078.79	5078.79	5080.34	0.002856	12.47	3322.38	972.50	0.59
Reach	11589	PF 11	22220.00	5060.40	5078.99	5078.99	5080.51	0.002844	12.56	3511.69	990.51	0.59
Reach	11589	PF 12	37000.00	5060.40	5080.30	5080.30	5082.20	0.003695	15.19	4850.90	1034.39	0.68
Reach	11589	PF 13	3612.00	5060.40	5069.05		5070.85	0.007570	10.78	335.80	65.98	0.83
Reach	11395	PF 1	50.00	5057.87	5059.11		5059.28	0.009256	3.36	14.89	19.75	0.68
Reach	11395	PF 2	100.00	5057.87	5059.56		5059.81	0.008797	4.07	24.60	23.50	0.70
Reach	11395	PF 3	200.00	5057.87	5060.18		5060.55	0.008450	4.89	40.93	28.73	0.72
Reach	11395	PF 4	500.00	5057.87	5061.58		5062.04	0.006643	5.43	92.10	45.96	0.68
Reach	11395	PF 5	1000.00	5057.87	5063.48		5063.85	0.004261	4.88	204.81	85.77	0.56
Reach	11395	PF 6	1890.00	5057.87	5065.98		5066.26	0.001430	4.29	444.37	103.32	0.36
Reach	11395	PF 7	4060.00	5057.87	5070.39		5070.70	0.000641	4.54	927.72	115.80	0.27
Reach	11395	PF 8	7100.00	5057.87	5074.96		5075.26	0.000395	4.70	2316.61	838.12	0.23
Reach	11395	PF 9	13580.00	5057.87	5075.63		5076.41	0.001037	7.87	2932.69	1014.19	0.37
Reach	11395	PF 10	20950.00	5057.87	5075.81		5077.56	0.002298	11.82	3126.30	1057.20	0.55
Reach	11395	PF 11	22220.00	5057.87	5076.27		5077.76	0.002010	11.29	3624.86	1114.71	0.52
Reach	11395	PF 12	37000.00	5057.87	5077.74	5077.74	5079.58	0.002627	13.75	5340.51	1226.84	0.60
Reach	11395	PF 13	3612.00	5057.87	5069.58		5069.88	0.000705	4.47	834.40	113.50	0.28
Reach	11169	PF 1	50.00	5055.41	5057.13		5057.27	0.004865	2.95	16.95	15.87	0.50
Reach	11169	PF 2	100.00	5055.41	5057.64		5057.88	0.005769	3.96	25.23	16.93	0.57
Reach	11169	PF 3	200.00	5055.41	5058.29		5058.75	0.007525	5.45	36.71	18.30	0.68
Reach	11169	PF 4	500.00	5055.41	5059.36	5059.20	5060.52	0.012981	8.64	57.84	21.32	0.92
Reach	11169	PF 5	1000.00	5055.41	5060.83	5060.83	5062.65	0.014313	10.82	92.44	25.78	1.01
Reach	11169	PF 6	1890.00	5055.41	5062.83	5062.83	5065.35	0.012792	12.74	149.38	31.75	0.99
Reach	11169	PF 7	4060.00	5055.41	5066.26	5066.26	5069.96	0.010562	15.65	273.12	39.85	0.96
Reach	11169	PF 8	7100.00	5055.41	5069.90	5069.90	5074.65	0.008675	18.10	437.36	50.42	0.93
Reach	11169	PF 9	13580.00	5055.41	5074.46	5074.46	5075.64	0.002666	12.46	2933.08	1176.71	0.54
Reach	11169	PF 10	20950.00	5055.41	5075.38	5075.38	5076.53	0.002958	13.61	4065.84	1255.91	0.58
Reach	11169	PF 11	22220.00	5055.41	5075.50	5075.50	5076.66	0.003045	13.87	4207.09	1259.64	0.58
Reach	11169	PF 12	37000.00	5055.41	5076.38	5076.38	5077.99	0.004508	17.44	5336.94	1308.99	0.72
Reach	11169	PF 13	3612.00	5055.41	5065.60	5065.60	5069.12	0.011161	15.23	247.56	38.05	0.97

Reach	10905	PF 1	50.00	5054.41	5056.28		5056.30	0.001173	1.32	37.80	43.25	0.25
Reach	10905	PF 2	100.00	5054.41	5056.75		5056.79	0.001278	1.58	63.44	59.54	0.27
Reach	10905	PF 3	200.00	5054.41	5057.37		5057.43	0.001204	1.91	104.54	70.12	0.28
Reach	10905	PF 4	500.00	5054.41	5058.66		5058.75	0.001289	2.33	214.64	112.64	0.30
Reach	10905	PF 5	1000.00	5054.41	5060.03		5060.12	0.000882	2.47	405.19	146.16	0.26
Reach	10905	PF 6	1890.00	5054.41	5061.89		5062.01	0.000588	2.77	682.58	151.89	0.23
Reach	10905	PF 7	4060.00	5054.41	5065.64		5065.80	0.000370	3.20	1279.37	165.46	0.20
Reach	10905	PF 8	7100.00	5054.41	5068.83		5069.07	0.000367	3.95	1820.73	175.98	0.21
Reach	10905	PF 9	13580.00	5054.41	5071.08		5071.53	0.000594	5.69	3379.80	1137.90	0.28
Reach	10905	PF 10	20950.00	5054.41	5071.85		5072.61	0.000989	7.63	4343.19	1298.30	0.36
Reach	10905	PF 11	22220.00	5054.41	5072.03		5072.81	0.001025	7.83	4570.37	1317.39	0.37
Reach	10905	PF 12	37000.00	5054.41	5073.12		5074.40	0.001698	10.59	6101.87	1457.46	0.48
Reach	10905	PF 13	3612.00	5054.41	5064.93		5065.08	0.000395	3.12	1162.44	163.50	0.20
Reach	10631	PF 1	50.00	5054.36	5055.31		5055.53	0.014216	3.78	13.22	20.32	0.83
Reach	10631	PF 2	100.00	5054.36	5055.73		5056.03	0.012341	4.36	22.96	25.63	0.81
Reach	10631	PF 3	200.00	5054.36	5056.32		5056.71	0.010238	5.03	39.75	30.91	0.78
Reach	10631	PF 4	500.00	5054.36	5057.43		5058.04	0.009216	6.27	79.70	40.75	0.79
Reach	10631	PF 5	1000.00	5054.36	5058.55		5059.49	0.008880	7.75	128.98	46.32	0.82
Reach	10631	PF 6	1890.00	5054.36	5060.24		5061.46	0.007294	8.85	213.44	53.64	0.78
Reach	10631	PF 7	4060.00	5054.36	5063.95		5065.39	0.003712	9.64	427.29	60.94	0.62
Reach	10631	PF 8	7100.00	5054.36	5065.50		5068.48	0.006037	13.92	524.29	65.64	0.81
Reach	10631	PF 9	13580.00	5054.36	5070.59		5071.25	0.001341	8.83	3841.28	1526.87	0.41
Reach	10631	PF 10	20950.00	5054.36	5070.97	5070.97	5072.06	0.002329	11.85	4418.44	1543.33	0.55
Reach	10631	PF 11	22220.00	5054.36	5070.99	5070.99	5072.19	0.002572	12.46	4453.87	1544.33	0.58
Reach	10631	PF 12	37000.00	5054.36	5072.04	5072.04	5073.43	0.003278	14.73	6102.46	1602.30	0.66
Reach	10631	PF 13	3612.00	5054.36	5063.28		5064.66	0.004030	9.44	386.66	59.66	0.64
Reach	10338	PF 1	50.00	5050.27	5051.62		5051.73	0.004331	2.63	19.04	20.39	0.48
Reach	10338	PF 2	100.00	5050.27	5052.28		5052.42	0.003202	3.02	33.13	22.66	0.44
Reach	10338	PF 3	200.00	5050.27	5053.27		5053.45	0.002618	3.48	57.43	27.00	0.42
Reach	10338	PF 4	500.00	5050.27	5055.03		5055.33	0.002551	4.42	113.14	36.30	0.44
Reach	10338	PF 5	1000.00	5050.27	5057.14		5057.51	0.003047	4.86	205.73	65.84	0.48
Reach	10338	PF 6	1890.00	5050.27	5059.81		5060.14	0.001472	4.57	413.95	83.02	0.36
Reach	10338	PF 7	4060.00	5050.27	5064.11		5064.52	0.000932	5.15	788.27	91.83	0.31
Reach	10338	PF 8	7100.00	5050.27	5066.18		5066.98	0.001414	7.21	1087.76	587.42	0.39
Reach	10338	PF 9	13580.00	5050.27	5066.36	5064.26	5069.10	0.004784	13.41	1192.89	596.63	0.72
Reach	10338	PF 10	20950.00	5050.27	5068.86	5068.86	5070.40	0.002817	11.81	3330.94	1290.79	0.57
Reach	10338	PF 11	22220.00	5050.27	5069.02	5069.02	5070.57	0.002858	12.00	3549.57	1395.60	0.57
Reach	10338	PF 12	37000.00	5050.27	5070.92		5072.08	0.002380	11.95	6412.50	1571.04	0.54
Reach	10338	PF 13	3612.00	5050.27	5063.37		5063.76	0.000977	5.01	720.99	89.72	0.31
Reach	10172	PF 1	50.00	5049.19	5051.28		5051.31	0.000661	1.37	36.59	25.43	0.20
Reach	10172	PF 2	100.00	5049.19	5052.05		5052.10	0.000715	1.73	57.92	29.89	0.22
Reach	10172	PF 3	200.00	5049.19	5053.08		5053.15	0.001270	2.08	96.14	58.24	0.29
Reach	10172	PF 4	500.00	5049.19	5054.97		5055.05	0.000670	2.30	217.30	69.49	0.23
Reach	10172	PF 5	1000.00	5049.19	5057.12		5057.22	0.000539	2.56	391.23	90.63	0.22
Reach	10172	PF 6	1890.00	5049.19	5059.83		5059.96	0.000396	2.90	653.94	101.04	0.20
Reach	10172	PF 7	4060.00	5049.19	5064.16		5064.37	0.000333	3.71	1123.67	444.60	0.20
Reach	10172	PF 8	7100.00	5049.19	5066.40		5066.71	0.000429	4.77	2185.53	688.05	0.23
Reach	10172	PF 9	13580.00	5049.19	5067.52		5068.19	0.000922	7.39	3187.45	1137.76	0.34
Reach	10172	PF 10	20950.00	5049.19	5069.07		5069.71	0.000951	8.04	5272.56	1460.11	0.36
Reach	10172	PF 11	22220.00	5049.19	5069.22		5069.88	0.000986	8.24	5485.39	1465.26	0.36
Reach	10172	PF 12	37000.00	5049.19	5070.99		5071.69	0.001096	9.31	8138.44	1537.42	0.39
Reach	10172	PF 13	3612.00	5049.19	5063.41		5063.61	0.000336	3.56	1038.32	192.52	0.20
Reach	10003	PF 1	50.00	5048.35	5051.14		5051.17	0.000671	1.34	37.41	27.24	0.20
Reach	10003	PF 2	100.00	5048.35	5051.90		5051.94	0.000786	1.63	61.30	37.32	0.22
Reach	10003	PF 3	200.00	5048.35	5052.89		5052.96	0.000722	1.97	101.30	43.27	0.23
Reach	10003	PF 4	500.00	5048.35	5054.79		5054.89	0.000680	2.61	191.22	50.25	0.24
Reach	10003	PF 5	1000.00	5048.35	5056.93		5057.10	0.000675	3.28	305.24	55.55	0.25
Reach	10003	PF 6	1890.00	5048.35	5059.59		5059.85	0.000685	4.13	461.15	62.28	0.26

Reach	10003	PF 7	4060.00	5048.35	5063.78		5064.26	0.000789	5.61	749.09	462.55	0.29
Reach	10003	PF 8	7100.00	5048.35	5066.15		5066.60	0.000743	6.16	2133.76	957.58	0.29
Reach	10003	PF 9	13580.00	5048.35	5066.89		5067.86	0.001703	9.66	2886.79	1179.27	0.45
Reach	10003	PF 10	20950.00	5048.35	5067.03		5069.17	0.003794	14.50	3050.60	1210.93	0.67
Reach	10003	PF 11	22220.00	5048.35	5067.16		5069.36	0.003927	14.84	3212.33	1239.08	0.68
Reach	10003	PF 12	37000.00	5048.35	5070.89		5071.45	0.001176	9.45	8239.40	1448.19	0.39
Reach	10003	PF 13	3612.00	5048.35	5063.06		5063.50	0.000766	5.34	696.02	413.85	0.29
Reach	9941	PF 1	50.00	5048.63	5051.06		5051.11	0.001279	1.86	26.88	19.09	0.28
Reach	9941	PF 2	100.00	5048.63	5051.78		5051.87	0.001536	2.36	42.43	24.17	0.31
Reach	9941	PF 3	200.00	5048.63	5052.75		5052.88	0.001643	2.95	67.89	28.87	0.34
Reach	9941	PF 4	500.00	5048.63	5054.57		5054.81	0.001701	3.96	126.17	34.29	0.36
Reach	9941	PF 5	1000.00	5048.63	5056.63		5057.01	0.001767	4.95	202.14	39.39	0.38
Reach	9941	PF 6	1890.00	5048.63	5059.18		5059.75	0.001906	6.09	310.32	45.67	0.41
Reach	9941	PF 7	4060.00	5048.63	5063.16		5064.13	0.002210	7.94	511.69	444.22	0.46
Reach	9941	PF 8	7100.00	5048.63	5066.15		5066.53	0.000937	6.22	2333.83	1057.44	0.31
Reach	9941	PF 9	13580.00	5048.63	5066.94		5067.68	0.001948	9.35	3241.79	1225.02	0.46
Reach	9941	PF 10	20950.00	5048.63	5067.75		5068.60	0.002418	10.84	4227.86	1258.74	0.51
Reach	9941	PF 11	22220.00	5048.63	5067.93		5068.77	0.002380	10.85	4449.71	1269.22	0.51
Reach	9941	PF 12	37000.00	5048.63	5070.90		5071.35	0.001174	8.66	8240.73	1367.25	0.37
Reach	9941	PF 13	3612.00	5048.63	5062.48		5063.38	0.002172	7.61	474.48	315.07	0.45
Reach	9880	PF 1	50.00	5048.15	5050.96		5051.02	0.001608	2.05	24.37	17.37	0.31
Reach	9880	PF 2	100.00	5048.15	5051.65		5051.76	0.001934	2.65	37.79	21.09	0.35
Reach	9880	PF 3	200.00	5048.15	5052.59		5052.76	0.002144	3.36	59.52	24.73	0.38
Reach	9880	PF 4	500.00	5048.15	5054.33		5054.68	0.002483	4.73	105.75	28.31	0.43
Reach	9880	PF 5	1000.00	5048.15	5056.29		5056.86	0.002797	6.06	165.13	32.36	0.47
Reach	9880	PF 6	1890.00	5048.15	5058.67		5059.57	0.003158	7.62	248.69	39.58	0.52
Reach	9880	PF 7	4060.00	5048.15	5062.46		5063.92	0.003211	9.88	442.10	325.80	0.55
Reach	9880	PF 8	7100.00	5048.15	5065.85		5066.44	0.001392	7.91	2167.46	1190.72	0.38
Reach	9880	PF 9	13580.00	5048.15	5066.59	5066.59	5067.52	0.002508	11.01	3019.57	1242.19	0.52
Reach	9880	PF 10	20950.00	5048.15	5067.56		5068.45	0.002652	11.84	4148.99	1263.81	0.54
Reach	9880	PF 11	22220.00	5048.15	5067.77		5068.62	0.002545	11.71	4398.32	1268.53	0.53
Reach	9880	PF 12	37000.00	5048.15	5070.83		5071.28	0.001196	9.07	8124.08	1345.36	0.37
Reach	9880	PF 13	3612.00	5048.15	5061.80		5063.17	0.003270	9.52	402.33	273.38	0.55
Reach	9809	PF 1	50.00	5047.80	5050.73		5050.86	0.003221	2.86	17.46	12.04	0.42
Reach	9809	PF 2	100.00	5047.80	5051.28		5051.54	0.005105	4.04	24.74	14.38	0.54
Reach	9809	PF 3	200.00	5047.80	5052.01		5052.47	0.007715	5.49	36.42	18.40	0.69
Reach	9809	PF 4	500.00	5047.80	5053.47		5054.33	0.008571	7.43	67.30	22.98	0.77
Reach	9809	PF 5	1000.00	5047.80	5055.19		5056.47	0.008483	9.07	110.31	27.09	0.79
Reach	9809	PF 6	1890.00	5047.80	5057.23		5059.13	0.008568	11.07	173.70	36.55	0.83
Reach	9809	PF 7	4060.00	5047.80	5061.01		5063.51	0.006303	13.04	343.26	152.86	0.77
Reach	9809	PF 8	7100.00	5047.80	5065.89		5066.31	0.001117	7.34	2518.27	1205.62	0.35
Reach	9809	PF 9	13580.00	5047.80	5066.22	5066.22	5067.27	0.002965	12.14	2885.22	1223.32	0.57
Reach	9809	PF 10	20950.00	5047.80	5067.48		5068.25	0.002446	11.67	4307.84	1259.04	0.52
Reach	9809	PF 11	22220.00	5047.80	5067.69		5068.42	0.002360	11.57	4546.86	1261.90	0.52
Reach	9809	PF 12	37000.00	5047.80	5070.77		5071.19	0.001141	9.07	8195.04	1328.68	0.37
Reach	9809	PF 13	3612.00	5047.80	5060.31	5059.44	5062.74	0.006752	12.78	305.54	51.61	0.78
Reach	9764	PF 1	50.00	5047.88	5050.41	5050.04	5050.62	0.009776	3.69	13.55	15.21	0.69
Reach	9764	PF 2	100.00	5047.88	5050.94	5050.64	5051.24	0.008744	4.36	22.94	18.34	0.69
Reach	9764	PF 3	200.00	5047.88	5051.57	5051.23	5052.08	0.009760	5.74	34.86	19.65	0.76
Reach	9764	PF 4	500.00	5047.88	5053.01		5053.92	0.009489	7.64	65.41	22.66	0.79
Reach	9764	PF 5	1000.00	5047.88	5054.70		5056.05	0.009752	9.34	107.05	27.51	0.83
Reach	9764	PF 6	1890.00	5047.88	5056.95		5058.68	0.009290	10.55	179.07	37.04	0.85
Reach	9764	PF 7	4060.00	5047.88	5060.97		5063.14	0.006004	11.89	352.61	195.40	0.73
Reach	9764	PF 8	7100.00	5047.88	5065.93		5066.24	0.000884	6.22	2705.77	1200.22	0.30
Reach	9764	PF 9	13580.00	5047.88	5065.99		5067.04	0.003037	11.57	2777.72	1201.70	0.56
Reach	9764	PF 10	20950.00	5047.88	5067.42		5068.13	0.002274	10.72	4331.54	1241.54	0.49
Reach	9764	PF 11	22220.00	5047.88	5067.62		5068.31	0.002224	10.69	4553.97	1246.61	0.49
Reach	9764	PF 12	37000.00	5047.88	5070.72		5071.15	0.001128	8.64	8151.74	1335.07	0.36

Reach	9764	PF 13	3612.00	5047.88	5060.26		5062.34	0.006303	11.62	317.75	47.83	0.74
Reach	9698	PF 1	50.00	5047.48	5049.24	5049.24	5049.69	0.020448	5.38	9.30	10.57	1.01
Reach	9698	PF 2	100.00	5047.48	5049.80	5049.80	5050.39	0.018833	6.19	16.17	14.01	1.01
Reach	9698	PF 3	200.00	5047.48	5050.71	5050.53	5051.35	0.012290	6.40	31.25	18.55	0.87
Reach	9698	PF 4	500.00	5047.48	5052.61		5053.32	0.007189	6.75	74.03	26.72	0.72
Reach	9698	PF 5	1000.00	5047.48	5054.55		5055.41	0.005793	7.43	134.52	35.53	0.67
Reach	9698	PF 6	1890.00	5047.48	5057.10		5058.08	0.003834	7.97	245.08	55.10	0.59
Reach	9698	PF 7	4060.00	5047.48	5061.54		5062.58	0.002086	8.60	554.75	384.67	0.47
Reach	9698	PF 8	7100.00	5047.48	5065.94		5066.17	0.000524	5.48	3118.87	1176.98	0.25
Reach	9698	PF 9	13580.00	5047.48	5066.05		5066.82	0.001754	10.07	3236.58	1181.22	0.46
Reach	9698	PF 10	20950.00	5047.48	5067.28		5068.00	0.001769	10.67	4505.41	1212.39	0.47
Reach	9698	PF 11	22220.00	5047.48	5067.47		5068.19	0.001768	10.75	4703.85	1216.72	0.47
Reach	9698	PF 12	37000.00	5047.48	5070.61		5071.08	0.001030	9.24	8141.88	1318.11	0.37
Reach	9698	PF 13	3612.00	5047.48	5060.77		5061.79	0.002242	8.46	491.90	233.97	0.49
Reach	9635	PF 1	50.00	5046.83	5048.96		5049.04	0.002387	2.32	21.56	17.65	0.37
Reach	9635	PF 2	100.00	5046.83	5049.75		5049.86	0.002063	2.72	36.76	20.98	0.36
Reach	9635	PF 3	200.00	5046.83	5050.78		5050.95	0.002029	3.30	60.64	25.34	0.38
Reach	9635	PF 4	500.00	5046.83	5052.69		5052.96	0.002138	4.22	118.61	35.48	0.41
Reach	9635	PF 5	1000.00	5046.83	5054.67		5055.07	0.002120	5.05	197.88	44.49	0.42
Reach	9635	PF 6	1890.00	5046.83	5057.28		5057.79	0.001611	5.78	340.32	62.80	0.39
Reach	9635	PF 7	4060.00	5046.83	5061.67		5062.38	0.001216	7.03	640.52	408.82	0.37
Reach	9635	PF 8	7100.00	5046.83	5065.92		5066.14	0.000405	5.04	3180.61	1137.40	0.23
Reach	9635	PF 9	13580.00	5046.83	5065.17		5066.64	0.002493	12.09	2488.75	1104.46	0.56
Reach	9635	PF 10	20950.00	5046.83	5066.90		5067.87	0.001889	11.34	4127.84	1172.56	0.49
Reach	9635	PF 11	22220.00	5046.83	5067.09		5068.05	0.001899	11.45	4311.82	1176.38	0.50
Reach	9635	PF 12	37000.00	5046.83	5070.44		5071.01	0.001069	9.72	7738.95	1285.06	0.38
Reach	9635	PF 13	3612.00	5046.83	5060.91		5061.59	0.001243	6.78	585.40	302.85	0.37
Reach	9586	PF 1	50.00	5046.37	5048.87		5048.94	0.001735	2.09	23.89	17.84	0.32
Reach	9586	PF 2	100.00	5046.37	5049.67		5049.77	0.001712	2.51	39.91	22.44	0.33
Reach	9586	PF 3	200.00	5046.37	5050.71		5050.85	0.001735	3.02	66.33	28.46	0.35
Reach	9586	PF 4	500.00	5046.37	5052.63		5052.86	0.001671	3.80	131.57	38.46	0.36
Reach	9586	PF 5	1000.00	5046.37	5054.62		5054.96	0.001625	4.69	213.02	43.24	0.37
Reach	9586	PF 6	1890.00	5046.37	5057.21		5057.71	0.001619	5.68	332.90	49.39	0.39
Reach	9586	PF 7	4060.00	5046.37	5061.51		5062.31	0.001645	7.16	567.91	399.51	0.41
Reach	9586	PF 8	7100.00	5046.37	5065.92		5066.11	0.000411	4.57	3133.69	1109.17	0.22
Reach	9586	PF 9	13580.00	5046.37	5065.36		5066.41	0.002209	10.31	2647.48	1096.44	0.50
Reach	9586	PF 10	20950.00	5046.37	5066.86		5067.76	0.002021	10.58	3964.86	1145.47	0.48
Reach	9586	PF 11	22220.00	5046.37	5067.04		5067.95	0.002056	10.76	4123.12	1151.15	0.49
Reach	9586	PF 12	37000.00	5046.37	5070.37		5070.96	0.001185	9.33	7306.24	1250.57	0.38
Reach	9586	PF 13	3612.00	5046.37	5060.77		5061.51	0.001652	6.89	524.09	334.84	0.40
Reach	9543	PF 1	50.00	5046.17	5048.81		5048.87	0.001347	1.99	25.14	16.52	0.28
Reach	9543	PF 2	100.00	5046.17	5049.59		5049.69	0.001579	2.53	39.54	20.33	0.32
Reach	9543	PF 3	200.00	5046.17	5050.61		5050.77	0.001828	3.19	62.77	25.37	0.36
Reach	9543	PF 4	500.00	5046.17	5052.49		5052.77	0.001965	4.27	117.06	31.45	0.39
Reach	9543	PF 5	1000.00	5046.17	5054.39		5054.87	0.002273	5.52	181.19	36.09	0.43
Reach	9543	PF 6	1890.00	5046.17	5056.89		5057.60	0.002456	6.75	280.00	42.94	0.47
Reach	9543	PF 7	4060.00	5046.17	5061.11		5062.19	0.002450	8.37	487.09	369.66	0.49
Reach	9543	PF 8	7100.00	5046.17	5065.92		5066.09	0.000404	4.51	3205.24	1103.82	0.21
Reach	9543	PF 9	13580.00	5046.17	5065.36		5066.28	0.002165	10.15	2741.06	1091.36	0.49
Reach	9543	PF 10	20950.00	5046.17	5066.83		5067.66	0.002032	10.54	3977.75	1136.41	0.48
Reach	9543	PF 11	22220.00	5046.17	5067.00		5067.85	0.002076	10.73	4125.21	1141.58	0.49
Reach	9543	PF 12	37000.00	5046.17	5070.33		5070.91	0.001218	9.39	7172.16	1231.56	0.39
Reach	9543	PF 13	3612.00	5046.17	5060.38		5061.40	0.002522	8.09	446.27	243.38	0.49
Reach	9499	PF 1	50.00	5045.89	5048.65		5048.78	0.003246	2.84	17.59	12.28	0.42
Reach	9499	PF 2	100.00	5045.89	5049.37		5049.58	0.003882	3.65	27.38	14.93	0.48
Reach	9499	PF 3	200.00	5045.89	5050.29		5050.63	0.004793	4.67	42.87	18.99	0.55

Reach	9499	PF 4	500.00	5045.89	5052.10		5052.61	0.005716	5.73	87.21	33.17	0.62
Reach	9499	PF 5	1000.00	5045.89	5054.20		5054.74	0.003507	5.91	169.31	42.33	0.52
Reach	9499	PF 6	1890.00	5045.89	5056.82		5057.48	0.002615	6.53	292.60	53.02	0.47
Reach	9499	PF 7	4060.00	5045.89	5061.14		5062.04	0.002013	7.68	548.60	406.23	0.44
Reach	9499	PF 8	7100.00	5045.89	5065.92		5066.07	0.000363	4.23	3265.55	1094.99	0.20
Reach	9499	PF 9	13580.00	5045.89	5065.37		5066.16	0.001886	9.38	2837.72	1083.72	0.46
Reach	9499	PF 10	20950.00	5045.89	5066.77		5067.57	0.001933	10.16	3943.04	1118.75	0.47
Reach	9499	PF 11	22220.00	5045.89	5066.93		5067.76	0.001993	10.39	4072.29	1122.24	0.48
Reach	9499	PF 12	37000.00	5045.89	5070.22		5070.85	0.001276	9.51	6821.00	1190.65	0.39
Reach	9499	PF 13	3612.00	5045.89	5060.40		5061.24	0.002059	7.45	501.34	359.05	0.44
Reach	9431	PF 1	50.00	5045.93	5048.61	5047.44	5048.65	0.000926	1.56	32.14	23.70	0.24
Reach	9431	PF 2	100.00	5045.93	5049.36	5047.91	5049.42	0.000950	1.95	51.39	27.29	0.25
Reach	9431	PF 3	200.00	5045.93	5050.32	5048.55	5050.42	0.001089	2.51	79.74	31.68	0.28
Reach	9431	PF 4	500.00	5045.93	5052.17	5049.68	5052.35	0.001323	3.38	147.78	42.95	0.32
Reach	9431	PF 5	1000.00	5045.93	5054.26	5051.04	5054.52	0.001236	4.05	246.61	51.18	0.33
Reach	9431	PF 6	1890.00	5045.93	5056.92	5052.73	5057.27	0.001125	4.79	394.99	60.14	0.33
Reach	9431	PF 7	4060.00	5045.93	5061.27	5055.39	5061.85	0.001030	6.12	691.32	467.68	0.33
Reach	9431	PF 8	7100.00	5045.93	5065.91	5058.00	5066.04	0.000255	3.88	3444.34	1087.71	0.17
Reach	9431	PF 9	13580.00	5045.93	5065.35	5064.08	5066.02	0.001254	8.39	3046.05	1073.29	0.39
Reach	9431	PF 10	20950.00	5045.93	5066.63	5065.24	5067.45	0.001538	9.83	3971.99	1100.83	0.43
Reach	9431	PF 11	22220.00	5045.93	5066.77	5065.39	5067.63	0.001622	10.15	4070.44	1103.26	0.45
Reach	9431	PF 12	37000.00	5045.93	5070.02	5066.94	5070.76	0.001224	9.96	6545.18	1174.88	0.40
Reach	9431	PF 13	3612.00	5045.93	5060.52	5054.91	5061.05	0.001033	5.86	629.24	396.00	0.33
Reach	9345	PF 1	50.00	5046.13	5048.17	5047.89	5048.44	0.009227	4.17	11.98	10.79	0.70
Reach	9345	PF 2	100.00	5046.13	5048.80	5048.49	5049.19	0.010091	5.05	19.82	14.38	0.76
Reach	9345	PF 3	200.00	5046.13	5049.60	5049.30	5050.16	0.010113	6.03	33.15	18.32	0.79
Reach	9345	PF 4	500.00	5046.13	5050.96	5050.71	5052.01	0.011010	8.21	60.92	22.02	0.87
Reach	9345	PF 5	1000.00	5046.13	5052.32	5052.32	5054.11	0.013352	10.76	92.97	25.32	0.99
Reach	9345	PF 6	1890.00	5046.13	5054.38	5054.38	5056.83	0.012649	12.58	150.24	30.33	1.00
Reach	9345	PF 7	4060.00	5046.13	5057.95	5057.95	5061.36	0.010451	14.87	278.95	42.75	0.96
Reach	9345	PF 8	7100.00	5046.13	5061.26	5061.26	5065.56	0.008600	17.08	474.80	606.23	0.92
Reach	9345	PF 9	13580.00	5046.13	5064.41	5064.41	5065.79	0.003432	12.83	2156.89	1019.74	0.61
Reach	9345	PF 10	20950.00	5046.13	5065.27	5065.27	5067.14	0.004740	15.70	2681.84	1049.70	0.72
Reach	9345	PF 11	22220.00	5046.13	5065.65	5065.65	5067.34	0.004269	15.16	2928.55	1069.10	0.69
Reach	9345	PF 12	37000.00	5046.13	5069.76	5067.05	5070.62	0.001786	11.52	5760.69	1168.41	0.46
Reach	9345	PF 13	3612.00	5046.13	5057.28	5057.28	5060.57	0.010956	14.58	251.26	40.16	0.97
Reach	9272.528	PF 1	50.00	5045.48	5047.51	5047.23	5047.76	0.009179	4.03	12.41	11.92	0.70
Reach	9272.528	PF 2	100.00	5045.48	5048.13	5047.82	5048.49	0.009141	4.81	20.80	15.24	0.73
Reach	9272.528	PF 3	200.00	5045.48	5048.94	5048.56	5049.45	0.009108	5.73	34.88	19.53	0.76
Reach	9272.528	PF 4	500.00	5045.48	5050.41	5049.98	5051.22	0.009054	7.23	69.14	27.13	0.80
Reach	9272.528	PF 5	1000.00	5045.48	5051.93	5051.47	5053.08	0.008925	8.59	116.45	34.85	0.83
Reach	9272.528	PF 6	1890.00	5045.48	5053.78	5053.26	5055.33	0.008652	9.99	189.25	44.02	0.85
Reach	9272.528	PF 7	4060.00	5045.48	5057.63	5056.13	5059.25	0.007020	10.23	396.82	76.78	0.79
Reach	9272.528	PF 8	7100.00	5045.48	5059.02	5059.02	5062.06	0.010407	13.98	507.90	342.29	0.99
Reach	9272.528	PF 9	13580.00	5045.48	5062.97	5062.97	5064.62	0.004029	11.79	1776.93	970.22	0.67
Reach	9272.528	PF 10	20950.00	5045.48	5064.94	5064.20	5066.36	0.003164	11.82	2824.29	1036.21	0.61
Reach	9272.528	PF 11	22220.00	5045.48	5065.27	5064.43	5066.64	0.003003	11.73	3008.01	1046.83	0.59
Reach	9272.528	PF 12	37000.00	5045.48	5069.52	5066.21	5070.45	0.001514	10.18	5379.64	1158.22	0.44
Reach	9272.528	PF 13	3612.00	5045.48	5057.37	5055.64	5058.78	0.004903	9.54	378.74	61.46	0.68
Reach	9230.287	PF 1	50.00	5045.09	5047.14	5046.84	5047.38	0.008805	3.97	12.60	12.00	0.68
Reach	9230.287	PF 2	100.00	5045.09	5047.75	5047.43	5048.10	0.008865	4.75	21.04	15.32	0.71
Reach	9230.287	PF 3	200.00	5045.09	5048.56	5048.19	5049.06	0.008903	5.69	35.18	19.60	0.75
Reach	9230.287	PF 4	500.00	5045.09	5050.03	5049.58	5050.83	0.008893	7.18	69.61	27.22	0.79
Reach	9230.287	PF 5	1000.00	5045.09	5051.58	5051.08	5052.70	0.008677	8.50	117.68	35.03	0.82
Reach	9230.287	PF 6	1890.00	5045.09	5053.45	5052.87	5054.95	0.008322	9.84	192.01	44.33	0.83
Reach	9230.287	PF 7	4060.00	5045.09	5057.42	5055.74	5058.89	0.007871	9.74	416.71	95.50	0.82
Reach	9230.287	PF 8	7100.00	5045.09	5058.71	5058.71	5061.36	0.010693	13.06	543.63	350.21	0.99
Reach	9230.287	PF 9	13580.00	5045.09	5062.55	5062.55	5064.39	0.004553	11.88	1583.36	947.46	0.70

Reach	9230.287	PF 10	20950.00	5045.09	5063.96	5063.96	5066.12	0.004887	13.57	2213.99	986.64	0.74
Reach	9230.287	PF 11	22220.00	5045.09	5064.64	5064.17	5066.45	0.003908	12.66	2517.35	1005.53	0.67
Reach	9230.287	PF 12	37000.00	5045.09	5069.02	5066.06	5070.34	0.002002	11.33	4483.09	1126.22	0.51
Reach	9230.287	PF 13	3612.00	5045.09	5057.20	5055.25	5058.49	0.007264	9.11	396.42	94.65	0.78
Reach	9181.677	PF 1	50.00	5044.66	5046.69	5046.41	5046.94	0.009190	4.03	12.41	11.92	0.70
Reach	9181.677	PF 2	100.00	5044.66	5047.31	5047.00	5047.67	0.009150	4.81	20.79	15.23	0.73
Reach	9181.677	PF 3	200.00	5044.66	5048.12	5047.76	5048.63	0.009101	5.73	34.89	19.53	0.76
Reach	9181.677	PF 4	500.00	5044.66	5049.60	5049.16	5050.40	0.008934	7.20	69.49	27.20	0.79
Reach	9181.677	PF 5	1000.00	5044.66	5051.16	5050.65	5052.27	0.008566	8.46	118.25	35.11	0.81
Reach	9181.677	PF 6	1890.00	5044.66	5053.08	5052.44	5054.54	0.008002	9.70	194.83	44.64	0.82
Reach	9181.677	PF 7	4060.00	5044.66	5057.12	5055.31	5058.45	0.008525	9.26	438.28	115.93	0.84
Reach	9181.677	PF 8	7100.00	5044.66	5058.65	5058.29	5060.68	0.008805	11.44	620.54	376.96	0.89
Reach	9181.677	PF 9	13580.00	5044.66	5061.73	5061.73	5063.84	0.005657	12.17	1350.80	911.05	0.77
Reach	9181.677	PF 10	20950.00	5044.66	5063.72	5063.35	5065.86	0.004707	12.92	2079.60	987.95	0.73
Reach	9181.677	PF 11	22220.00	5044.66	5064.20	5063.50	5066.23	0.004246	12.67	2255.23	1001.47	0.70
Reach	9181.677	PF 12	37000.00	5044.66	5068.38	5065.75	5070.18	0.002565	12.36	3786.43	1109.69	0.57
Reach	9181.677	PF 13	3612.00	5044.66	5056.90	5054.82	5058.09	0.008101	8.73	413.57	115.07	0.81
Reach	9130.546	PF 1	50.00	5044.19	5046.24	5045.94	5046.48	0.008827	3.97	12.59	12.00	0.68
Reach	9130.546	PF 2	100.00	5044.19	5046.85	5046.51	5047.20	0.008865	4.75	21.04	15.32	0.71
Reach	9130.546	PF 3	200.00	5044.19	5047.67	5047.29	5048.17	0.008858	5.67	35.24	19.62	0.75
Reach	9130.546	PF 4	500.00	5044.19	5049.17	5048.68	5049.95	0.008559	7.08	70.61	27.41	0.78
Reach	9130.546	PF 5	1000.00	5044.19	5050.78	5050.18	5051.83	0.008008	8.25	121.25	35.53	0.79
Reach	9130.546	PF 6	1890.00	5044.19	5052.75	5051.97	5054.12	0.007337	9.39	201.23	45.34	0.79
Reach	9130.546	PF 7	4060.00	5044.19	5056.79	5054.84	5057.97	0.008457	8.71	466.12	135.10	0.83
Reach	9130.546	PF 8	7100.00	5044.19	5058.64	5057.82	5060.14	0.006476	9.83	722.57	404.16	0.77
Reach	9130.546	PF 9	13580.00	5044.19	5061.01	5060.84	5063.21	0.006340	12.14	1246.07	836.60	0.80
Reach	9130.546	PF 10	20950.00	5044.19	5063.52	5062.64	5065.61	0.004553	12.33	1987.47	871.90	0.71
Reach	9130.546	PF 11	22220.00	5044.19	5063.91	5062.89	5066.00	0.004340	12.37	2108.82	979.72	0.70
Reach	9130.546	PF 12	37000.00	5044.19	5067.71	5065.37	5069.98	0.003196	13.23	3309.86	1100.72	0.63
Reach	9130.546	PF 13	3612.00	5044.19	5056.57	5054.35	5057.63	0.008271	8.28	436.20	134.21	0.81
Reach	9079.769	PF 1	50.00	5043.74	5045.77	5045.49	5046.02	0.009155	4.02	12.42	11.92	0.69
Reach	9079.769	PF 2	100.00	5043.74	5046.39	5046.08	5046.75	0.009080	4.80	20.85	15.25	0.72
Reach	9079.769	PF 3	200.00	5043.74	5047.22	5046.81	5047.72	0.008871	5.68	35.22	19.62	0.75
Reach	9079.769	PF 4	500.00	5043.74	5048.76	5048.24	5049.52	0.008193	6.97	71.77	27.62	0.76
Reach	9079.769	PF 5	1000.00	5043.74	5050.43	5049.73	5051.42	0.007400	8.01	124.86	36.04	0.76
Reach	9079.769	PF 6	1890.00	5043.74	5052.47	5051.53	5053.74	0.006660	9.06	208.62	46.13	0.75
Reach	9079.769	PF 7	4060.00	5043.74	5056.45	5054.39	5057.51	0.008109	8.27	490.64	149.24	0.80
Reach	9079.769	PF 8	7100.00	5043.74	5058.58	5057.32	5059.75	0.004891	8.68	817.88	477.16	0.67
Reach	9079.769	PF 9	13580.00	5043.74	5060.99	5059.61	5062.82	0.004968	10.98	1316.47	817.44	0.72
Reach	9079.769	PF 10	20950.00	5043.74	5063.14	5061.98	5065.36	0.004601	12.34	1864.04	837.79	0.72
Reach	9079.769	PF 11	22220.00	5043.74	5063.46	5062.25	5065.75	0.004572	12.56	1947.42	840.83	0.72
Reach	9079.769	PF 12	37000.00	5043.74	5066.79	5065.05	5069.73	0.004215	14.46	2834.43	1062.73	0.72
Reach	9079.769	PF 13	3612.00	5043.74	5056.21	5053.90	5057.19	0.008165	7.94	455.19	148.28	0.80
Reach	9034.939	PF 1	50.00	5043.33	5045.37	5045.09	5045.62	0.009018	4.00	12.49	11.96	0.69
Reach	9034.939	PF 2	100.00	5043.33	5046.00	5045.67	5046.35	0.008832	4.75	21.07	15.33	0.71
Reach	9034.939	PF 3	200.00	5043.33	5046.84	5046.43	5047.32	0.008376	5.56	35.98	19.82	0.73
Reach	9034.939	PF 4	500.00	5043.33	5048.45	5047.83	5049.15	0.007398	6.71	74.54	28.13	0.73
Reach	9034.939	PF 5	1000.00	5043.33	5050.18	5049.32	5051.09	0.006558	7.66	130.61	36.83	0.72
Reach	9034.939	PF 6	1890.00	5043.33	5052.26	5051.11	5053.43	0.005905	8.66	218.18	47.14	0.71
Reach	9034.939	PF 7	4060.00	5043.33	5056.22	5053.98	5057.12	0.007181	7.63	532.37	166.66	0.75
Reach	9034.939	PF 8	7100.00	5043.33	5058.59	5056.89	5059.48	0.003657	7.57	938.43	468.19	0.58
Reach	9034.939	PF 9	13580.00	5043.33	5061.07	5058.99	5062.50	0.003816	9.66	1456.40	763.49	0.62
Reach	9034.939	PF 10	20950.00	5043.33	5063.16	5061.17	5065.08	0.003945	11.31	1950.83	830.01	0.65
Reach	9034.939	PF 11	22220.00	5043.33	5063.47	5061.46	5065.47	0.003980	11.57	2025.47	833.06	0.65
Reach	9034.939	PF 12	37000.00	5043.33	5066.67	5064.40	5069.52	0.004137	13.92	2820.93	1024.76	0.69
Reach	9034.939	PF 13	3612.00	5043.33	5055.94	5053.49	5056.80	0.007574	7.42	486.71	165.56	0.76
Reach	8988.496	PF 1	50.00	5042.91	5044.96	5044.65	5045.20	0.008739	3.96	12.64	12.02	0.68

Reach	8988.496	PF 2	100.00	5042.91	5045.61	5045.24	5045.94	0.008225	4.62	21.63	15.53	0.69
Reach	8988.496	PF 3	200.00	5042.91	5046.51	5046.00	5046.95	0.007408	5.31	37.67	20.26	0.69
Reach	8988.496	PF 4	500.00	5042.91	5048.19	5047.40	5048.81	0.006328	6.33	79.00	28.92	0.67
Reach	8988.496	PF 5	1000.00	5042.91	5049.96	5048.90	5050.77	0.005620	7.23	138.34	37.87	0.67
Reach	8988.496	PF 6	1890.00	5042.91	5052.09	5050.70	5053.14	0.005133	8.22	229.86	48.34	0.66
Reach	8988.496	PF 7	4060.00	5042.91	5056.01	5053.49	5056.78	0.005915	7.06	575.13	174.79	0.69
Reach	8988.496	PF 8	7100.00	5042.91	5058.55	5056.45	5059.28	0.002848	6.88	1031.74	323.31	0.51
Reach	8988.496	PF 9	13580.00	5042.91	5061.04	5058.51	5062.28	0.003128	8.97	1538.65	551.66	0.56
Reach	8988.496	PF 10	20950.00	5042.91	5063.08	5060.50	5064.87	0.003493	10.84	1980.76	597.71	0.61
Reach	8988.496	PF 11	22220.00	5042.91	5063.37	5060.77	5065.26	0.003568	11.14	2045.63	605.69	0.62
Reach	8988.496	PF 12	37000.00	5042.91	5066.33	5063.79	5069.31	0.004197	14.03	2722.29	857.71	0.70
Reach	8988.496	PF 13	3612.00	5042.91	5055.70	5053.06	5056.44	0.006426	6.93	521.05	173.55	0.71
Reach	8948.969	PF 1	50.00	5042.56	5044.63	5044.32	5044.86	0.008262	3.87	12.91	12.14	0.66
Reach	8948.969	PF 2	100.00	5042.56	5045.33	5044.90	5045.63	0.007262	4.41	22.66	15.88	0.65
Reach	8948.969	PF 3	200.00	5042.56	5046.27	5045.66	5046.66	0.006279	4.99	40.06	20.87	0.64
Reach	8948.969	PF 4	500.00	5042.56	5048.01	5047.05	5048.56	0.005366	5.95	84.00	29.79	0.62
Reach	8948.969	PF 5	1000.00	5042.56	5049.82	5048.55	5050.54	0.004853	6.84	146.10	38.87	0.62
Reach	8948.969	PF 6	1890.00	5042.56	5051.96	5050.35	5052.92	0.004527	7.85	240.86	49.43	0.63
Reach	8948.969	PF 7	4060.00	5042.56	5055.89	5053.21	5056.53	0.004748	6.43	631.74	187.52	0.62
Reach	8948.969	PF 8	7100.00	5042.56	5058.54	5056.10	5059.14	0.002216	6.21	1142.99	256.44	0.46
Reach	8948.969	PF 9	13580.00	5042.56	5061.06	5058.04	5062.11	0.002601	8.20	1655.48	448.67	0.51
Reach	8948.969	PF 10	20950.00	5042.56	5063.11	5059.89	5064.67	0.003075	10.02	2089.95	493.30	0.57
Reach	8948.969	PF 11	22220.00	5042.56	5063.41	5060.15	5065.06	0.003162	10.32	2153.74	499.18	0.58
Reach	8948.969	PF 12	37000.00	5042.56	5066.38	5063.18	5069.06	0.003939	13.12	2819.39	696.90	0.66
Reach	8948.969	PF 13	3612.00	5042.56	5055.55	5052.72	5056.18	0.005292	6.36	567.88	186.16	0.64
Reach	8905.749	PF 1	50.00	5042.17	5044.35	5043.92	5044.54	0.006320	3.51	14.25	12.72	0.58
Reach	8905.749	PF 2	100.00	5042.17	5045.10	5044.49	5045.34	0.005386	3.95	25.33	16.76	0.57
Reach	8905.749	PF 3	200.00	5042.17	5046.09	5045.25	5046.40	0.004744	4.50	44.47	21.95	0.56
Reach	8905.749	PF 4	500.00	5042.17	5047.86	5046.66	5048.33	0.004278	5.47	91.39	31.02	0.56
Reach	8905.749	PF 5	1000.00	5042.17	5049.69	5048.14	5050.32	0.004030	6.39	156.56	40.18	0.57
Reach	8905.749	PF 6	1890.00	5042.17	5051.85	5049.95	5052.70	0.003888	7.41	254.91	50.80	0.58
Reach	8905.749	PF 7	4060.00	5042.17	5055.77	5052.81	5056.32	0.003737	5.94	683.32	188.72	0.55
Reach	8905.749	PF 8	7100.00	5042.17	5058.50	5055.70	5059.03	0.001895	5.85	1212.64	199.62	0.42
Reach	8905.749	PF 9	13580.00	5042.17	5061.02	5057.64	5061.98	0.002349	7.86	1727.88	294.44	0.48
Reach	8905.749	PF 10	20950.00	5042.17	5063.06	5059.50	5064.51	0.002846	9.68	2163.55	339.60	0.54
Reach	8905.749	PF 11	22220.00	5042.17	5063.35	5059.78	5064.89	0.002936	9.98	2227.44	346.25	0.55
Reach	8905.749	PF 12	37000.00	5042.17	5066.31	5062.79	5068.85	0.003741	12.78	2894.15	533.56	0.64
Reach	8905.749	PF 13	3612.00	5042.17	5055.41	5052.33	5055.95	0.004128	5.87	615.30	187.27	0.57
Reach	8851.856	PF 1	50.00	5041.68	5044.14	5043.48	5044.27	0.003672	2.89	17.30	13.66	0.45
Reach	8851.856	PF 2	100.00	5041.68	5044.91	5044.03	5045.09	0.003517	3.40	29.44	17.64	0.46
Reach	8851.856	PF 3	200.00	5041.68	5045.92	5044.83	5046.17	0.003447	4.03	49.68	22.67	0.48
Reach	8851.856	PF 4	500.00	5041.68	5047.69	5046.27	5048.10	0.003498	5.11	97.76	31.39	0.51
Reach	8851.856	PF 5	1000.00	5041.68	5049.52	5047.77	5050.10	0.003534	6.13	163.17	40.16	0.54
Reach	8851.856	PF 6	1890.00	5041.68	5051.68	5049.60	5052.49	0.003590	7.25	260.62	50.31	0.56
Reach	8851.856	PF 7	4060.00	5041.68	5055.64	5052.50	5056.13	0.003017	5.62	722.68	183.74	0.50
Reach	8851.856	PF 8	7100.00	5041.68	5058.43	5055.28	5058.93	0.001666	5.68	1250.84	194.52	0.39
Reach	8851.856	PF 9	13580.00	5041.68	5060.91	5057.30	5061.85	0.002209	7.78	1745.42	204.10	0.47
Reach	8851.856	PF 10	20950.00	5041.68	5062.90	5059.18	5064.36	0.002783	9.71	2158.54	211.77	0.54
Reach	8851.856	PF 11	22220.00	5041.68	5063.18	5059.48	5064.73	0.002888	10.02	2218.05	212.85	0.55
Reach	8851.856	PF 12	37000.00	5041.68	5065.98	5062.56	5068.63	0.003911	13.08	2829.22	223.66	0.65
Reach	8851.856	PF 13	3612.00	5041.68	5055.26	5052.00	5055.73	0.003281	5.53	653.70	182.29	0.51
Reach	8798.628	PF 1	50.00	5041.20	5044.05	5042.99	5044.12	0.001701	2.17	23.03	15.68	0.32
Reach	8798.628	PF 2	100.00	5041.20	5044.82	5043.56	5044.94	0.001951	2.73	36.65	19.59	0.35
Reach	8798.628	PF 3	200.00	5041.20	5045.82	5044.35	5046.00	0.002193	3.40	58.80	24.58	0.39
Reach	8798.628	PF 4	500.00	5041.20	5047.60	5045.78	5047.92	0.002540	4.54	110.12	33.24	0.44
Reach	8798.628	PF 5	1000.00	5041.20	5049.42	5047.28	5049.91	0.002762	5.59	178.87	41.97	0.48
Reach	8798.628	PF 6	1890.00	5041.20	5051.58	5049.08	5052.29	0.002954	6.74	280.27	52.09	0.51
Reach	8798.628	PF 7	4060.00	5041.20	5055.57	5052.01	5055.97	0.002017	5.05	804.20	187.60	0.43

Reach	8798.628	PF 8	7100.00	5041.20	5058.41	5054.83	5058.83	0.001128	5.25	1352.26	199.05	0.35
Reach	8798.628	PF 9	13580.00	5041.20	5060.89	5056.81	5061.72	0.001467	7.30	1859.75	209.09	0.43
Reach	8798.628	PF 10	20950.00	5041.20	5062.89	5058.65	5064.19	0.001798	9.17	2285.05	217.15	0.50
Reach	8798.628	PF 11	22220.00	5041.20	5063.17	5058.95	5064.56	0.001857	9.47	2346.39	218.29	0.51
Reach	8798.628	PF 12	37000.00	5041.20	5066.00	5062.02	5068.39	0.002395	12.42	2980.00	229.71	0.61
Reach	8798.628	PF 13	3612.00	5041.20	5055.19	5051.52	5055.56	0.002174	4.93	732.04	186.04	0.44
Reach	8696		Bridge									
Reach	8648.071	PF 1	50.00	5040.80	5043.19		5043.34	0.004209	3.04	16.44	13.33	0.48
Reach	8648.071	PF 2	100.00	5040.80	5043.91		5044.12	0.004296	3.66	27.33	17.02	0.51
Reach	8648.071	PF 3	200.00	5040.80	5044.85		5045.15	0.004377	4.40	45.47	21.73	0.54
Reach	8648.071	PF 4	500.00	5040.80	5046.53		5047.02	0.004483	5.61	89.12	30.02	0.57
Reach	8648.071	PF 5	1000.00	5040.80	5048.29		5048.99	0.004472	6.69	149.48	38.50	0.60
Reach	8648.071	PF 6	1890.00	5040.80	5050.37		5051.34	0.004489	7.88	239.82	48.33	0.62
Reach	8648.071	PF 7	4060.00	5040.80	5054.52		5055.07	0.003451	5.95	682.14	184.40	0.55
Reach	8648.071	PF 8	7100.00	5040.80	5057.56		5058.05	0.001410	5.63	1261.25	196.53	0.39
Reach	8648.071	PF 9	13580.00	5040.80	5059.79		5060.77	0.001922	7.95	1708.91	205.41	0.49
Reach	8648.071	PF 10	20950.00	5040.80	5061.54		5063.12	0.002447	10.10	2073.86	212.37	0.57
Reach	8648.071	PF 11	22220.00	5040.80	5061.75		5063.46	0.002566	10.48	2119.58	213.23	0.59
Reach	8648.071	PF 12	37000.00	5040.80	5063.61		5066.95	0.004062	14.66	2523.16	220.65	0.76
Reach	8648.071	PF 13	3612.00	5040.80	5054.06		5054.63	0.004226	6.05	597.47	182.56	0.59
Reach	8617.335	PF 1	50.00	5040.68	5043.06		5043.21	0.004360	3.08	16.23	13.25	0.49
Reach	8617.335	PF 2	100.00	5040.68	5043.77		5043.98	0.004439	3.70	27.00	16.93	0.52
Reach	8617.335	PF 3	200.00	5040.68	5044.70		5045.01	0.004508	4.45	44.97	21.62	0.54
Reach	8617.335	PF 4	500.00	5040.68	5046.39		5046.88	0.004596	5.66	88.31	29.89	0.58
Reach	8617.335	PF 5	1000.00	5040.68	5048.15		5048.85	0.004554	6.74	148.46	38.37	0.60
Reach	8617.335	PF 6	1890.00	5040.68	5050.22		5051.20	0.004563	7.93	238.36	48.19	0.63
Reach	8617.335	PF 7	4060.00	5040.68	5054.41		5054.96	0.003646	5.97	680.52	182.74	0.54
Reach	8617.335	PF 8	7100.00	5040.68	5057.52		5058.00	0.001611	5.59	1269.00	196.17	0.39
Reach	8617.335	PF 9	13580.00	5040.68	5059.73		5060.70	0.002395	7.92	1713.85	206.78	0.49
Reach	8617.335	PF 10	20950.00	5040.68	5061.46		5063.03	0.003247	10.08	2078.78	216.00	0.57
Reach	8617.335	PF 11	22220.00	5040.68	5061.67		5063.36	0.003433	10.46	2124.37	217.22	0.59
Reach	8617.335	PF 12	37000.00	5040.68	5063.46		5066.80	0.005831	14.66	2523.32	227.56	0.78
Reach	8617.335	PF 13	3612.00	5040.68	5053.91		5054.49	0.004521	6.11	590.87	180.84	0.60
Reach	8574.424	PF 1	50.00	5040.51	5042.88	5042.27	5043.02	0.004239	3.03	16.48	13.52	0.48
Reach	8574.424	PF 2	100.00	5040.51	5043.59	5042.86	5043.80	0.004302	3.64	27.45	17.28	0.51
Reach	8574.424	PF 3	200.00	5040.51	5044.52	5043.62	5044.82	0.004347	4.37	45.80	22.09	0.53
Reach	8574.424	PF 4	500.00	5040.51	5046.21	5045.03	5046.68	0.004398	5.54	90.18	30.58	0.57
Reach	8574.424	PF 5	1000.00	5040.51	5047.98	5046.53	5048.65	0.004311	6.57	152.24	39.33	0.59
Reach	8574.424	PF 6	1890.00	5040.51	5050.07	5048.33	5050.99	0.004296	7.72	244.89	49.44	0.61
Reach	8574.424	PF 7	4060.00	5040.51	5054.28	5051.22	5054.80	0.003341	5.77	703.69	186.21	0.52
Reach	8574.424	PF 8	7100.00	5040.51	5057.48	5054.05	5057.93	0.001455	5.37	1322.42	492.14	0.37
Reach	8574.424	PF 9	13580.00	5040.51	5059.69	5056.06	5060.58	0.002146	7.59	1821.23	581.11	0.46
Reach	8574.424	PF 10	20950.00	5040.51	5061.46	5057.92	5062.85	0.002737	9.53	2257.42	610.20	0.53
Reach	8574.424	PF 11	22220.00	5040.51	5061.68	5058.24	5063.17	0.002871	9.87	2311.87	613.44	0.55
Reach	8574.424	PF 12	37000.00	5040.51	5063.61	5061.33	5066.42	0.004514	13.60	2800.82	641.31	0.70
Reach	8574.424	PF 13	3612.00	5040.51	5053.74	5050.73	5054.30	0.004318	5.99	603.07	184.07	0.58
Reach	8524.689	PF 1	50.00	5040.31	5042.67	5042.05	5042.81	0.004160	3.00	16.65	13.69	0.48
Reach	8524.689	PF 2	100.00	5040.31	5043.38	5042.64	5043.58	0.004232	3.61	27.70	17.49	0.51
Reach	8524.689	PF 3	200.00	5040.31	5044.31	5043.40	5044.60	0.004268	4.32	46.25	22.37	0.53
Reach	8524.689	PF 4	500.00	5040.31	5046.00	5044.81	5046.46	0.004293	5.48	91.27	31.00	0.56
Reach	8524.689	PF 5	1000.00	5040.31	5047.78	5046.30	5048.43	0.004162	6.46	154.70	39.95	0.58
Reach	8524.689	PF 6	1890.00	5040.31	5049.88	5048.09	5050.77	0.004130	7.58	249.24	50.25	0.60
Reach	8524.689	PF 7	4060.00	5040.31	5054.11	5050.96	5054.64	0.003129	5.81	698.73	177.21	0.52
Reach	8524.689	PF 8	7100.00	5040.31	5057.43	5053.85	5057.85	0.001210	5.29	1426.02	744.63	0.35
Reach	8524.689	PF 9	13580.00	5040.31	5059.68	5056.03	5060.45	0.001628	7.27	2018.84	769.58	0.43
Reach	8524.689	PF 10	20950.00	5040.31	5061.49	5058.03	5062.67	0.002005	9.05	2519.43	822.28	0.49

Reach	8524.689	PF 11	22220.00	5040.31	5061.71	5058.27	5062.98	0.002088	9.37	2589.59	830.48	0.50
Reach	8524.689	PF 12	37000.00	5040.31	5063.82	5060.92	5066.06	0.002994	12.61	3294.71	884.41	0.61
Reach	8524.689	PF 13	3612.00	5040.31	5053.50	5050.39	5054.08	0.004236	6.11	591.23	174.77	0.59
Reach	8439.949	PF 1	50.00	5039.97	5042.30	5041.72	5042.45	0.004490	3.09	16.18	13.51	0.50
Reach	8439.949	PF 2	100.00	5039.97	5042.99	5042.31	5043.21	0.004583	3.72	26.90	17.25	0.52
Reach	8439.949	PF 3	200.00	5039.97	5043.92	5043.06	5044.23	0.004555	4.43	45.15	22.11	0.55
Reach	8439.949	PF 4	500.00	5039.97	5045.61	5044.46	5046.09	0.004494	5.57	89.73	30.75	0.57
Reach	8439.949	PF 5	1000.00	5039.97	5047.42	5045.94	5048.08	0.004232	6.50	153.75	39.83	0.58
Reach	8439.949	PF 6	1890.00	5039.97	5049.52	5047.76	5050.42	0.004171	7.61	248.33	50.17	0.60
Reach	8439.949	PF 7	4060.00	5039.97	5053.55	5050.59	5054.32	0.003741	7.05	575.57	123.32	0.58
Reach	8439.949	PF 8	7100.00	5039.97	5057.18	5053.60	5057.73	0.001442	6.19	1334.43	723.86	0.39
Reach	8439.949	PF 9	13580.00	5039.97	5059.35	5056.79	5060.28	0.001898	8.35	1958.96	747.20	0.46
Reach	8439.949	PF 10	20950.00	5039.97	5061.12	5058.54	5062.47	0.002297	10.23	2521.22	839.12	0.52
Reach	8439.949	PF 11	22220.00	5039.97	5061.34	5058.79	5062.77	0.002386	10.56	2598.69	859.03	0.54
Reach	8439.949	PF 12	37000.00	5039.97	5063.25	5061.53	5065.76	0.003533	14.18	3340.18	966.54	0.67
Reach	8439.949	PF 13	3612.00	5039.97	5052.79	5050.13	5053.66	0.005133	7.48	482.80	120.27	0.66
Reach	8381.088	PF 1	50.00	5039.73	5042.00	5041.48	5042.16	0.005143	3.25	15.38	13.19	0.53
Reach	8381.088	PF 2	100.00	5039.73	5042.69	5042.07	5042.92	0.005141	3.88	25.77	16.90	0.55
Reach	8381.088	PF 3	200.00	5039.73	5043.62	5042.80	5043.95	0.004919	4.56	43.87	21.81	0.57
Reach	8381.088	PF 4	500.00	5039.73	5045.32	5044.23	5045.82	0.004697	5.66	88.27	30.50	0.59
Reach	8381.088	PF 5	1000.00	5039.73	5047.17	5045.72	5047.83	0.004271	6.53	153.22	39.77	0.59
Reach	8381.088	PF 6	1890.00	5039.73	5049.27	5047.52	5050.18	0.004184	7.62	248.04	50.14	0.60
Reach	8381.088	PF 7	4060.00	5039.73	5052.90	5050.38	5054.06	0.003851	8.66	468.94	73.66	0.60
Reach	8381.088	PF 8	7100.00	5039.73	5056.66	5053.21	5057.59	0.002156	8.15	1101.26	656.89	0.48
Reach	8381.088	PF 9	13580.00	5039.73	5058.54	5057.51	5060.08	0.003224	11.08	1606.66	700.06	0.60
Reach	8381.088	PF 10	20950.00	5039.73	5060.14	5059.30	5062.22	0.003839	13.28	2132.03	862.95	0.67
Reach	8381.088	PF 11	22220.00	5039.73	5060.22	5059.57	5062.50	0.004182	13.92	2159.04	879.91	0.70
Reach	8381.088	PF 12	37000.00	5039.73	5062.48	5062.48	5065.48	0.004769	16.64	3255.89	965.73	0.77
Reach	8381.088	PF 13	3612.00	5039.73	5052.20	5049.89	5053.36	0.004216	8.63	418.62	70.88	0.63
Reach	8330	PF 1	50.00	5039.53	5041.75	5041.23	5041.90	0.005047	3.13	15.99	14.44	0.52
Reach	8330	PF 2	100.00	5039.53	5042.47	5041.80	5042.67	0.004460	3.55	28.16	19.16	0.52
Reach	8330	PF 3	200.00	5039.53	5043.46	5042.52	5043.69	0.003990	3.90	51.34	28.09	0.51
Reach	8330	PF 4	500.00	5039.53	5045.25	5043.81	5045.58	0.002876	4.65	107.63	34.78	0.47
Reach	8330	PF 5	1000.00	5039.53	5047.12	5045.10	5047.60	0.002725	5.58	179.21	41.75	0.47
Reach	8330	PF 6	1890.00	5039.53	5049.21	5046.80	5049.95	0.002870	6.89	274.96	49.48	0.51
Reach	8330	PF 7	4060.00	5039.53	5052.67	5049.64	5053.89	0.002711	8.93	471.90	66.75	0.53
Reach	8330	PF 8	7100.00	5039.53	5056.45	5052.54	5057.49	0.001709	8.99	1174.40	641.07	0.45
Reach	8330	PF 9	13580.00	5039.53	5057.61	5057.61	5059.85	0.003607	13.86	1521.79	749.26	0.66
Reach	8330	PF 10	20950.00	5039.53	5059.81	5059.81	5062.04	0.003395	14.85	2407.50	907.71	0.66
Reach	8330	PF 11	22220.00	5039.53	5060.05	5060.05	5062.31	0.003434	15.09	2539.69	917.58	0.66
Reach	8330	PF 12	37000.00	5039.53	5062.22	5062.22	5064.80	0.003818	17.30	3826.46	990.78	0.71
Reach	8330	PF 13	3612.00	5039.53	5052.04	5049.15	5053.18	0.002778	8.60	430.97	62.91	0.53
Reach	8287	PF 1	50.00	5039.14	5041.55		5041.69	0.004451	3.07	16.31	13.56	0.49
Reach	8287	PF 2	100.00	5039.14	5042.27		5042.48	0.004355	3.62	27.65	17.65	0.51
Reach	8287	PF 3	200.00	5039.14	5043.24		5043.51	0.004163	4.23	47.29	23.08	0.52
Reach	8287	PF 4	500.00	5039.14	5045.03		5045.44	0.003740	5.12	97.66	33.01	0.52
Reach	8287	PF 5	1000.00	5039.14	5046.92		5047.47	0.003353	5.91	169.18	42.33	0.52
Reach	8287	PF 6	1890.00	5039.14	5049.06		5049.82	0.003226	7.01	270.14	51.83	0.53
Reach	8287	PF 7	4060.00	5039.14	5052.59		5053.76	0.002913	8.73	475.57	64.46	0.54
Reach	8287	PF 8	7100.00	5039.14	5056.56		5057.34	0.001514	7.91	1319.77	800.95	0.41
Reach	8287	PF 9	13580.00	5039.14	5057.03		5059.31	0.004371	13.81	1466.59	852.31	0.71
Reach	8287	PF 10	20950.00	5039.14	5059.12	5059.12	5061.15	0.003710	14.18	2523.83	933.10	0.67
Reach	8287	PF 11	22220.00	5039.14	5059.32	5059.32	5061.39	0.003777	14.45	2642.84	938.80	0.68
Reach	8287	PF 12	37000.00	5039.14	5061.03	5061.03	5063.70	0.004702	17.39	3708.24	980.44	0.77
Reach	8287	PF 13	3612.00	5039.14	5051.94		5053.04	0.002966	8.46	434.73	62.18	0.54
Reach	8248	PF 1	50.00	5038.95	5041.34		5041.50	0.005093	3.26	15.34	12.85	0.53
Reach	8248	PF 2	100.00	5038.95	5042.06		5042.29	0.004965	3.84	26.05	16.73	0.54

Reach	8248	PF 3	200.00	5038.95	5043.03		5043.34	0.004695	4.47	44.72	21.91	0.55
Reach	8248	PF 4	500.00	5038.95	5044.81		5045.27	0.004213	5.49	91.08	29.85	0.55
Reach	8248	PF 5	1000.00	5038.95	5046.65		5047.31	0.004005	6.52	153.47	36.86	0.56
Reach	8248	PF 6	1890.00	5038.95	5048.58		5049.64	0.004350	8.27	229.77	43.09	0.61
Reach	8248	PF 7	4060.00	5038.95	5051.62		5053.54	0.004703	11.24	380.05	55.89	0.68
Reach	8248	PF 8	7100.00	5038.95	5056.44		5057.27	0.001575	8.75	1577.89	870.21	0.42
Reach	8248	PF 9	13580.00	5038.95	5057.48	5057.48	5058.92	0.002923	12.53	2187.01	914.19	0.58
Reach	8248	PF 10	20950.00	5038.95	5058.54	5058.54	5060.29	0.003674	14.72	2846.14	936.19	0.66
Reach	8248	PF 11	22220.00	5038.95	5058.73	5058.73	5060.50	0.003715	14.93	2966.77	939.67	0.66
Reach	8248	PF 12	37000.00	5038.95	5060.26	5060.26	5062.61	0.004849	18.14	3957.28	983.52	0.77
Reach	8248	PF 13	3612.00	5038.95	5051.07		5052.83	0.004711	10.76	349.65	53.51	0.67
Reach	8217	PF 1	50.00	5038.80	5041.13		5041.32	0.006428	3.55	14.07	12.26	0.58
Reach	8217	PF 2	100.00	5038.80	5041.86		5042.12	0.005820	4.07	24.56	16.21	0.58
Reach	8217	PF 3	200.00	5038.80	5042.85		5043.18	0.005180	4.63	43.18	21.54	0.58
Reach	8217	PF 4	500.00	5038.80	5044.68		5045.14	0.004373	5.46	91.51	31.40	0.56
Reach	8217	PF 5	1000.00	5038.80	5046.57		5047.17	0.003924	6.22	160.73	41.91	0.56
Reach	8217	PF 6	1890.00	5038.80	5048.62		5049.44	0.003871	7.30	258.86	53.16	0.58
Reach	8217	PF 7	4060.00	5038.80	5051.96		5053.22	0.003399	9.06	455.33	64.60	0.58
Reach	8217	PF 8	7100.00	5038.80	5056.71	5052.16	5057.10	0.000866	6.13	2082.31	894.60	0.32
Reach	8217	PF 9	13580.00	5038.80	5056.92		5058.17	0.002767	11.08	2210.05	897.84	0.57
Reach	8217	PF 10	20950.00	5038.80	5057.69		5059.57	0.004157	14.16	2698.22	933.17	0.70
Reach	8217	PF 11	22220.00	5038.80	5057.80		5059.78	0.004397	14.64	2767.74	936.91	0.72
Reach	8217	PF 12	37000.00	5038.80	5059.66	5059.66	5061.89	0.004685	16.55	4041.80	1009.58	0.76
Reach	8217	PF 13	3612.00	5038.80	5051.34		5052.53	0.003473	8.78	416.39	62.48	0.58
Reach	8177	PF 1	50.00	5038.36	5040.57		5040.94	0.013646	4.91	10.18	9.21	0.82
Reach	8177	PF 2	100.00	5038.36	5041.27		5041.77	0.012669	5.68	17.61	12.12	0.83
Reach	8177	PF 3	200.00	5038.36	5042.17		5042.85	0.011891	6.60	30.32	15.90	0.84
Reach	8177	PF 4	500.00	5038.36	5043.82	5043.51	5044.82	0.010993	8.05	62.13	22.79	0.86
Reach	8177	PF 5	1000.00	5038.36	5045.20	5045.20	5046.81	0.013669	10.17	98.37	30.16	0.99
Reach	8177	PF 6	1890.00	5038.36	5047.03	5047.03	5049.07	0.012655	11.46	165.42	42.48	1.00
Reach	8177	PF 7	4060.00	5038.36	5049.88	5049.88	5052.83	0.010323	13.93	301.66	51.97	0.96
Reach	8177	PF 8	7100.00	5038.36	5052.77	5052.77	5056.67	0.009088	16.20	467.27	62.76	0.95
Reach	8177	PF 9	13580.00	5038.36	5056.73	5056.73	5058.04	0.003091	12.06	2271.32	929.46	0.59
Reach	8177	PF 10	20950.00	5038.36	5057.69	5057.69	5059.32	0.003954	14.30	2933.98	965.14	0.68
Reach	8177	PF 11	22220.00	5038.36	5057.85	5057.85	5059.52	0.004058	14.59	3044.49	972.74	0.69
Reach	8177	PF 12	37000.00	5038.36	5059.31	5059.31	5061.46	0.005083	17.44	4130.23	1031.21	0.78
Reach	8177	PF 13	3612.00	5038.36	5049.37	5049.37	5052.15	0.010525	13.49	275.91	50.16	0.97
Reach	8135	PF 1	50.00	5037.94	5040.43		5040.58	0.004309	3.07	16.30	13.12	0.48
Reach	8135	PF 2	100.00	5037.94	5041.20		5041.40	0.004109	3.59	27.86	17.09	0.50
Reach	8135	PF 3	200.00	5037.94	5042.18		5042.46	0.004020	4.24	47.19	22.18	0.51
Reach	8135	PF 4	500.00	5037.94	5043.96		5044.39	0.003890	5.27	94.91	31.40	0.53
Reach	8135	PF 5	1000.00	5037.94	5045.44		5046.16	0.004897	6.77	147.67	39.91	0.62
Reach	8135	PF 6	1890.00	5037.94	5047.16		5048.26	0.005968	8.39	225.29	51.43	0.71
Reach	8135	PF 7	4060.00	5037.94	5050.35		5051.88	0.004455	9.99	417.11	67.87	0.66
Reach	8135	PF 8	7100.00	5037.94	5053.25	5051.30	5055.42	0.004079	12.01	641.22	382.51	0.67
Reach	8135	PF 9	13580.00	5037.94	5056.44		5057.49	0.002144	10.47	2554.63	955.00	0.51
Reach	8135	PF 10	20950.00	5037.94	5057.21	5057.12	5058.73	0.003176	13.24	3118.22	975.12	0.62
Reach	8135	PF 11	22220.00	5037.94	5057.34		5058.92	0.003311	13.60	3218.24	989.57	0.64
Reach	8135	PF 12	37000.00	5037.94	5058.73		5060.85	0.004413	16.71	4326.55	1053.89	0.75
Reach	8135	PF 13	3612.00	5037.94	5049.75		5051.22	0.004756	9.73	377.61	65.16	0.67
Reach	8084	PF 1	50.00	5037.59	5040.26		5040.38	0.003335	2.80	17.87	13.41	0.43
Reach	8084	PF 2	100.00	5037.59	5041.02		5041.20	0.003478	3.38	29.60	17.27	0.45
Reach	8084	PF 3	200.00	5037.59	5042.00		5042.26	0.003641	4.09	48.92	22.20	0.49
Reach	8084	PF 4	500.00	5037.59	5043.80		5044.18	0.003955	4.94	101.30	37.47	0.53
Reach	8084	PF 5	1000.00	5037.59	5045.32		5045.89	0.004050	6.03	165.95	46.27	0.56
Reach	8084	PF 6	1890.00	5037.59	5047.06		5047.94	0.004250	7.51	251.70	52.51	0.60
Reach	8084	PF 7	4060.00	5037.59	5050.26		5051.62	0.003729	9.42	439.03	64.52	0.61
Reach	8084	PF 8	7100.00	5037.59	5053.08	5050.70	5055.20	0.003822	11.80	639.01	490.58	0.65

Reach	8084	PF 9	13580.00	5037.59	5056.09	5056.09	5057.35	0.002421	11.13	2442.34	1018.05	0.54
Reach	8084	PF 10	20950.00	5037.59	5057.07	5057.07	5058.55	0.003025	13.04	3250.17	1031.46	0.61
Reach	8084	PF 11	22220.00	5037.59	5057.20	5057.20	5058.73	0.003133	13.36	3361.97	1033.30	0.62
Reach	8084	PF 12	37000.00	5037.59	5058.58	5058.58	5060.58	0.004129	16.29	4546.44	1105.07	0.72
Reach	8084	PF 13	3612.00	5037.59	5049.66		5050.94	0.003912	9.13	401.01	62.41	0.61
Reach	8018	PF 1	50.00	5037.30	5039.98		5040.13	0.004210	3.10	16.11	12.03	0.47
Reach	8018	PF 2	100.00	5037.30	5040.69		5040.92	0.004781	3.87	25.83	15.24	0.52
Reach	8018	PF 3	200.00	5037.30	5041.60		5041.96	0.005404	4.82	41.49	19.32	0.58
Reach	8018	PF 4	500.00	5037.30	5043.18		5043.80	0.007585	6.31	79.23	32.42	0.71
Reach	8018	PF 5	1000.00	5037.30	5044.90		5045.56	0.005931	6.52	153.36	50.85	0.66
Reach	8018	PF 6	1890.00	5037.30	5046.82		5047.64	0.004182	7.30	261.65	60.46	0.60
Reach	8018	PF 7	4060.00	5037.30	5050.17		5051.35	0.002960	8.83	488.64	75.00	0.55
Reach	8018	PF 8	7100.00	5037.30	5053.18	5050.25	5054.85	0.002851	10.72	829.33	765.91	0.57
Reach	8018	PF 9	13580.00	5037.30	5055.48	5055.48	5056.66	0.002319	10.98	2605.39	1053.88	0.53
Reach	8018	PF 10	20950.00	5037.30	5056.33	5056.33	5057.80	0.003076	13.17	3370.93	1078.20	0.62
Reach	8018	PF 11	22220.00	5037.30	5056.45	5056.45	5057.97	0.003207	13.52	3480.45	1095.93	0.63
Reach	8018	PF 12	37000.00	5037.30	5057.81	5057.81	5059.66	0.003994	16.04	4801.95	1157.72	0.71
Reach	8018	PF 13	3612.00	5037.30	5049.54		5050.66	0.003123	8.59	442.48	72.21	0.56
Reach	7960	PF 1	50.00	5037.30	5039.88		5039.95	0.001789	2.07	24.18	18.72	0.32
Reach	7960	PF 2	100.00	5037.30	5040.62		5040.72	0.001876	2.50	39.94	24.05	0.34
Reach	7960	PF 3	200.00	5037.30	5041.57		5041.72	0.001955	3.02	66.13	30.94	0.36
Reach	7960	PF 4	500.00	5037.30	5043.23		5043.48	0.002114	3.96	126.28	41.74	0.40
Reach	7960	PF 5	1000.00	5037.30	5044.90		5045.26	0.002390	4.81	207.90	56.44	0.44
Reach	7960	PF 6	1890.00	5037.30	5046.86		5047.37	0.002262	5.75	330.91	68.74	0.45
Reach	7960	PF 7	4060.00	5037.30	5050.32		5051.10	0.001736	7.12	595.98	84.21	0.43
Reach	7960	PF 8	7100.00	5037.30	5053.61		5054.50	0.001431	8.06	1434.79	1054.64	0.41
Reach	7960	PF 9	13580.00	5037.30	5054.85	5054.85	5056.03	0.002139	10.53	2645.57	1132.63	0.52
Reach	7960	PF 10	20950.00	5037.30	5055.79	5055.79	5057.14	0.002643	12.26	3599.44	1163.54	0.58
Reach	7960	PF 11	22220.00	5037.30	5055.89	5055.89	5057.30	0.002777	12.63	3705.45	1171.14	0.60
Reach	7960	PF 12	37000.00	5037.30	5057.15	5057.15	5058.90	0.003579	15.19	5038.46	1200.04	0.69
Reach	7960	PF 13	3612.00	5037.30	5049.68		5050.41	0.001810	6.90	542.86	81.39	0.44
Reach	7782	PF 1	50.00	5037.04	5039.48		5039.57	0.002617	2.46	20.37	16.14	0.39
Reach	7782	PF 2	100.00	5037.04	5040.17		5040.32	0.002826	3.04	32.90	20.00	0.42
Reach	7782	PF 3	200.00	5037.04	5041.06		5041.28	0.003182	3.77	53.02	25.47	0.46
Reach	7782	PF 4	500.00	5037.04	5042.57		5042.97	0.003901	5.05	99.07	35.88	0.54
Reach	7782	PF 5	1000.00	5037.04	5044.09		5044.68	0.004324	6.21	161.16	46.25	0.59
Reach	7782	PF 6	1890.00	5037.04	5045.97		5046.83	0.003867	7.48	254.20	52.05	0.59
Reach	7782	PF 7	4060.00	5037.04	5049.20		5050.62	0.003374	9.59	435.29	59.51	0.59
Reach	7782	PF 8	7100.00	5037.04	5053.93		5054.14	0.000529	5.15	3233.18	1203.69	0.25
Reach	7782	PF 9	13580.00	5037.04	5053.71	5053.71	5054.68	0.002338	10.71	2981.84	1197.08	0.53
Reach	7782	PF 10	20950.00	5037.04	5054.38	5054.38	5055.62	0.003182	12.93	3755.55	1217.31	0.62
Reach	7782	PF 11	22220.00	5037.04	5055.64		5056.19	0.001482	9.37	5220.06	1248.77	0.43
Reach	7782	PF 12	37000.00	5037.04	5055.62	5055.62	5057.17	0.004156	15.68	5199.30	1248.34	0.72
Reach	7782	PF 13	3612.00	5037.04	5048.61		5049.92	0.003450	9.23	400.54	58.23	0.59
Reach	7604	PF 1	50.00	5036.69	5038.84		5038.98	0.004642	2.96	16.88	15.69	0.50
Reach	7604	PF 2	100.00	5036.69	5039.52		5039.70	0.004341	3.43	29.15	20.68	0.51
Reach	7604	PF 3	200.00	5036.69	5040.36		5040.62	0.004242	4.09	48.85	25.99	0.53
Reach	7604	PF 4	500.00	5036.69	5041.65		5042.16	0.005417	5.75	86.97	32.96	0.62
Reach	7604	PF 5	1000.00	5036.69	5042.71		5043.71	0.007917	8.04	124.43	37.56	0.78
Reach	7604	PF 6	1890.00	5036.69	5043.80	5043.80	5045.77	0.012106	11.26	167.90	41.64	0.99
Reach	7604	PF 7	4060.00	5036.69	5046.55	5046.55	5049.60	0.010448	14.06	292.93	49.27	0.98
Reach	7604	PF 8	7100.00	5036.69	5052.07	5051.72	5052.54	0.001288	7.26	2335.46	1137.63	0.37
Reach	7604	PF 9	13580.00	5036.69	5052.62	5052.62	5053.53	0.002723	10.88	2969.28	1157.92	0.55
Reach	7604	PF 10	20950.00	5036.69	5053.31	5053.31	5054.42	0.003520	12.84	3783.94	1185.37	0.63
Reach	7604	PF 11	22220.00	5036.69	5055.64		5055.91	0.000831	6.97	6643.84	1274.52	0.31
Reach	7604	PF 12	37000.00	5036.69	5054.22		5055.93	0.005519	16.83	4879.73	1219.29	0.80
Reach	7604	PF 13	3612.00	5036.69	5046.05	5046.05	5048.90	0.010628	13.57	269.01	47.95	0.98

Reach	7392	PF 1	50.00	5035.32	5037.42		5037.71	0.010713	4.33	11.55	11.02	0.74
Reach	7392	PF 2	100.00	5035.32	5038.00		5038.44	0.011504	5.29	18.92	14.10	0.80
Reach	7392	PF 3	200.00	5035.32	5038.75	5038.56	5039.40	0.012513	6.49	30.83	18.00	0.87
Reach	7392	PF 4	500.00	5035.32	5040.50	5040.38	5041.09	0.013819	6.16	81.11	57.07	0.91
Reach	7392	PF 5	1000.00	5035.32	5041.30	5041.20	5042.23	0.013156	7.72	129.53	62.57	0.95
Reach	7392	PF 6	1890.00	5035.32	5042.35	5042.34	5043.76	0.013317	9.53	198.31	70.42	1.00
Reach	7392	PF 7	4060.00	5035.32	5044.26	5044.26	5046.38	0.010888	11.73	354.12	90.76	0.98
Reach	7392	PF 8	7100.00	5035.32	5046.33	5046.33	5049.10	0.008806	13.59	557.86	118.67	0.94
Reach	7392	PF 9	13580.00	5035.32	5050.93	5050.93	5052.05	0.002507	10.35	2716.18	1171.96	0.55
Reach	7392	PF 10	20950.00	5035.32	5051.79	5051.79	5053.02	0.002986	11.87	3745.55	1217.34	0.60
Reach	7392	PF 11	22220.00	5035.32	5055.61		5055.77	0.000361	4.96	8660.57	1353.12	0.22
Reach	7392	PF 12	37000.00	5035.32	5053.16		5054.60	0.003603	14.01	5453.00	1262.77	0.68
Reach	7392	PF 13	3612.00	5035.32	5043.92	5043.92	5045.91	0.011296	11.33	323.77	88.15	0.98
Reach	7090	PF 1	50.00	5032.84	5034.63		5034.79	0.007245	3.26	15.35	17.47	0.61
Reach	7090	PF 2	100.00	5032.84	5035.12		5035.36	0.007824	3.97	25.16	22.50	0.66
Reach	7090	PF 3	200.00	5032.84	5035.76		5036.09	0.009063	4.61	43.35	34.86	0.73
Reach	7090	PF 4	500.00	5032.84	5036.64	5036.44	5037.25	0.011333	6.26	79.89	48.14	0.86
Reach	7090	PF 5	1000.00	5032.84	5037.46	5037.46	5038.46	0.014952	8.01	124.80	64.01	1.01
Reach	7090	PF 6	1890.00	5032.84	5038.59	5038.59	5039.67	0.010996	8.53	242.23	117.98	0.92
Reach	7090	PF 7	4060.00	5032.84	5040.03	5040.03	5041.67	0.010496	10.84	420.67	131.74	0.95
Reach	7090	PF 8	7100.00	5032.84	5042.36		5043.97	0.005824	10.96	740.22	152.88	0.77
Reach	7090	PF 9	13580.00	5032.84	5046.87		5048.57	0.003128	11.49	1430.31	221.55	0.61
Reach	7090	PF 10	20950.00	5032.84	5051.70		5052.17	0.000842	7.62	5671.08	1186.96	0.34
Reach	7090	PF 11	22220.00	5032.84	5050.31		5051.55	0.002112	11.35	4045.40	1139.88	0.53
Reach	7090	PF 12	37000.00	5032.84	5051.77		5053.18	0.002540	13.28	5747.10	1189.88	0.59
Reach	7090	PF 13	3612.00	5032.84	5039.77	5039.77	5041.30	0.010593	10.43	387.52	128.35	0.95
Reach	6837	PF 1	50.00	5031.67	5032.66		5032.72	0.003369	1.93	25.88	37.14	0.41
Reach	6837	PF 2	100.00	5031.67	5033.03		5033.12	0.003496	2.48	40.33	40.86	0.44
Reach	6837	PF 3	200.00	5031.67	5033.56		5033.71	0.003632	3.15	63.54	46.22	0.47
Reach	6837	PF 4	500.00	5031.67	5034.69		5034.89	0.004623	3.59	139.34	99.85	0.54
Reach	6837	PF 5	1000.00	5031.67	5035.80		5036.01	0.002823	3.69	270.82	128.37	0.45
Reach	6837	PF 6	1890.00	5031.67	5037.27		5037.51	0.001844	3.95	479.05	154.97	0.39
Reach	6837	PF 7	4060.00	5031.67	5039.86		5040.18	0.001152	4.58	911.89	192.24	0.34
Reach	6837	PF 8	7100.00	5031.67	5042.65		5043.06	0.000887	5.23	1438.45	230.09	0.32
Reach	6837	PF 9	13580.00	5031.67	5047.30		5047.85	0.000693	6.19	2637.78	466.16	0.30
Reach	6837	PF 10	20950.00	5031.67	5051.74		5051.99	0.000291	4.87	7583.47	1295.05	0.20
Reach	6837	PF 11	22220.00	5031.67	5050.62		5051.06	0.000515	6.20	6149.74	1255.93	0.27
Reach	6837	PF 12	37000.00	5031.67	5051.90		5052.62	0.000853	8.38	7791.99	1301.04	0.35
Reach	6837	PF 13	3612.00	5031.67	5039.39		5039.69	0.001227	4.46	828.85	188.10	0.34
Reach	6567	PF 1	50.00	5028.88	5030.56		5030.70	0.005934	2.97	16.83	19.01	0.56
Reach	6567	PF 2	100.00	5028.88	5031.06		5031.27	0.006007	3.70	27.00	22.00	0.59
Reach	6567	PF 3	200.00	5028.88	5031.68		5032.04	0.006820	4.80	41.67	25.17	0.66
Reach	6567	PF 4	500.00	5028.88	5032.79		5033.51	0.009034	6.84	73.15	31.97	0.80
Reach	6567	PF 5	1000.00	5028.88	5034.23		5035.06	0.009437	7.33	136.52	56.07	0.83
Reach	6567	PF 6	1890.00	5028.88	5035.18	5035.18	5036.64	0.011511	9.74	199.92	74.41	0.96
Reach	6567	PF 7	4060.00	5028.88	5037.15	5037.15	5039.35	0.009776	12.19	358.16	84.85	0.95
Reach	6567	PF 8	7100.00	5028.88	5039.20	5039.20	5042.22	0.008857	14.52	539.30	92.39	0.96
Reach	6567	PF 9	13580.00	5028.88	5042.44	5042.44	5046.95	0.008321	18.06	856.88	103.47	0.99
Reach	6567	PF 10	20950.00	5028.88	5046.08	5046.08	5051.36	0.006848	20.01	1320.95	275.95	0.94
Reach	6567	PF 11	22220.00	5028.88	5050.08	5048.91	5050.82	0.001127	9.60	5234.84	1190.10	0.40
Reach	6567	PF 12	37000.00	5028.88	5050.10		5052.14	0.003090	15.90	5259.84	1191.34	0.66
Reach	6567	PF 13	3612.00	5028.88	5036.79	5036.79	5038.86	0.010085	11.79	327.65	83.37	0.95
Reach	6370	PF 1	50.00	5027.57	5029.03		5029.17	0.006311	3.01	16.63	19.36	0.57
Reach	6370	PF 2	100.00	5027.57	5029.50		5029.72	0.006740	3.78	26.45	22.81	0.62
Reach	6370	PF 3	200.00	5027.57	5030.10		5030.46	0.007740	4.83	41.37	27.22	0.69
Reach	6370	PF 4	500.00	5027.57	5031.19		5031.87	0.009455	6.58	76.02	36.44	0.80
Reach	6370	PF 5	1000.00	5027.57	5032.31	5032.09	5033.30	0.011401	7.99	125.23	51.72	0.90

Reach	6370	PF 6	1890.00	5027.57	5033.62	5033.62	5034.62	0.009459	8.31	259.98	136.46	0.85
Reach	6370	PF 7	4060.00	5027.57	5035.68		5036.66	0.005331	8.68	553.18	148.40	0.69
Reach	6370	PF 8	7100.00	5027.57	5038.04		5039.09	0.003628	9.08	919.48	160.38	0.60
Reach	6370	PF 9	13580.00	5027.57	5041.73		5043.08	0.002745	10.45	1540.48	176.52	0.56
Reach	6370	PF 10	20950.00	5027.57	5044.83		5046.92	0.003275	13.53	2262.46	484.76	0.64
Reach	6370	PF 11	22220.00	5027.57	5045.03	5041.23	5047.64	0.003938	14.97	2380.63	655.14	0.70
Reach	6370	PF 12	37000.00	5027.57	5051.00		5051.43	0.000689	7.93	9426.99	1334.65	0.31
Reach	6370	PF 13	3612.00	5027.57	5035.26		5036.26	0.005917	8.67	492.45	146.01	0.72
Reach	6125	PF 1	50.00	5025.75	5027.22		5027.28	0.003049	1.94	25.72	33.69	0.39
Reach	6125	PF 2	100.00	5025.75	5027.72		5027.80	0.002680	2.20	45.42	44.81	0.39
Reach	6125	PF 3	200.00	5025.75	5028.42		5028.52	0.002049	2.45	81.61	55.97	0.36
Reach	6125	PF 4	500.00	5025.75	5029.84		5029.98	0.001437	2.98	167.88	65.50	0.33
Reach	6125	PF 5	1000.00	5025.75	5031.58		5031.74	0.001531	3.15	318.33	145.99	0.34
Reach	6125	PF 6	1890.00	5025.75	5033.22		5033.39	0.000986	3.42	601.60	181.58	0.29
Reach	6125	PF 7	4060.00	5025.75	5035.67		5035.92	0.000853	4.23	1060.62	193.18	0.29
Reach	6125	PF 8	7100.00	5025.75	5038.13		5038.48	0.000831	5.06	1547.90	202.79	0.30
Reach	6125	PF 9	13580.00	5025.75	5041.95		5042.51	0.000859	6.36	2349.95	216.88	0.32
Reach	6125	PF 10	20950.00	5025.75	5045.44		5046.18	0.000947	7.68	4431.79	1173.29	0.35
Reach	6125	PF 11	22220.00	5025.75	5045.74		5046.49	0.000959	7.81	4805.23	1273.39	0.36
Reach	6125	PF 12	37000.00	5025.75	5051.04		5051.29	0.000306	5.39	12100.63	1450.79	0.21
Reach	6125	PF 13	3612.00	5025.75	5035.23		5035.47	0.000865	4.09	976.47	191.12	0.29
Reach	5880	PF 1	50.00	5024.64	5025.97		5026.11	0.006567	3.04	16.47	19.26	0.58
Reach	5880	PF 2	100.00	5024.64	5026.42		5026.66	0.006763	3.92	25.52	20.57	0.62
Reach	5880	PF 3	200.00	5024.64	5027.08		5027.47	0.007323	5.05	39.64	22.96	0.68
Reach	5880	PF 4	500.00	5024.64	5028.29		5029.07	0.008896	7.10	70.41	27.94	0.79
Reach	5880	PF 5	1000.00	5024.64	5029.54	5029.25	5030.80	0.010519	9.02	110.90	34.62	0.89
Reach	5880	PF 6	1890.00	5024.64	5031.23	5031.23	5032.50	0.008439	9.39	233.80	95.64	0.83
Reach	5880	PF 7	4060.00	5024.64	5032.95	5032.95	5034.84	0.009130	12.00	402.76	100.92	0.90
Reach	5880	PF 8	7100.00	5024.64	5034.70	5034.70	5037.32	0.009607	14.33	583.66	106.28	0.96
Reach	5880	PF 9	13580.00	5024.64	5038.33	5037.60	5041.50	0.007475	15.79	990.66	117.46	0.89
Reach	5880	PF 10	20950.00	5024.64	5044.45	5040.26	5045.43	0.001944	10.77	4129.61	1217.34	0.49
Reach	5880	PF 11	22220.00	5024.64	5045.35	5040.63	5045.97	0.001295	9.13	5253.10	1261.63	0.40
Reach	5880	PF 12	37000.00	5024.64	5045.34	5045.34	5047.07	0.003619	15.26	5235.86	1261.05	0.67
Reach	5880	PF 13	3612.00	5024.64	5032.63	5032.63	5034.42	0.009152	11.62	370.25	99.92	0.90
Reach	5652	PF 1	50.00	5023.03	5024.10		5024.16	0.003747	1.90	26.36	42.22	0.42
Reach	5652	PF 2	100.00	5023.03	5024.52		5024.59	0.003150	2.16	46.32	53.59	0.41
Reach	5652	PF 3	200.00	5023.03	5025.08		5025.18	0.002546	2.52	79.30	61.79	0.39
Reach	5652	PF 4	500.00	5023.03	5026.17		5026.33	0.002265	3.28	152.39	72.95	0.40
Reach	5652	PF 5	1000.00	5023.03	5027.29		5027.56	0.002303	4.15	241.53	86.94	0.43
Reach	5652	PF 6	1890.00	5023.03	5028.55		5028.99	0.002503	5.40	364.08	106.76	0.47
Reach	5652	PF 7	4060.00	5023.03	5030.07		5031.06	0.003820	8.16	529.89	111.42	0.61
Reach	5652	PF 8	7100.00	5023.03	5031.40		5033.24	0.005456	11.24	680.47	115.18	0.75
Reach	5652	PF 9	13580.00	5023.03	5033.29	5033.29	5037.16	0.008430	16.41	903.34	120.52	0.97
Reach	5652	PF 10	20950.00	5023.03	5035.96	5035.96	5040.97	0.007791	18.82	1236.87	129.51	0.98
Reach	5652	PF 11	22220.00	5023.03	5036.39	5036.39	5041.56	0.007690	19.16	1292.54	131.08	0.98
Reach	5652	PF 12	37000.00	5023.03	5043.39	5043.39	5045.44	0.002313	14.30	5330.08	1253.37	0.58
Reach	5652	PF 13	3612.00	5023.03	5029.82		5030.69	0.003554	7.64	502.39	110.72	0.58
Reach	5442	PF 1	50.00	5021.42	5022.61		5022.76	0.008009	3.09	16.20	21.76	0.63
Reach	5442	PF 2	100.00	5021.42	5023.03		5023.25	0.008414	3.81	26.23	26.63	0.68
Reach	5442	PF 3	200.00	5021.42	5023.56		5023.91	0.009260	4.72	42.40	33.62	0.74
Reach	5442	PF 4	500.00	5021.42	5024.51		5025.12	0.010438	6.24	80.12	45.70	0.83
Reach	5442	PF 5	1000.00	5021.42	5025.47	5025.29	5026.41	0.011251	7.79	128.43	55.57	0.90
Reach	5442	PF 6	1890.00	5021.42	5026.60	5026.58	5028.01	0.012179	9.52	199.62	80.10	0.98
Reach	5442	PF 7	4060.00	5021.42	5028.49	5028.49	5029.95	0.007861	10.36	477.30	164.60	0.85
Reach	5442	PF 8	7100.00	5021.42	5029.85	5029.85	5031.82	0.008090	12.47	708.92	175.07	0.90
Reach	5442	PF 9	13580.00	5021.42	5032.01	5032.01	5034.90	0.008307	15.50	1097.49	185.09	0.96
Reach	5442	PF 10	20950.00	5021.42	5033.99	5033.99	5037.74	0.008224	17.83	1473.86	193.51	0.99
Reach	5442	PF 11	22220.00	5021.42	5034.33	5034.33	5038.18	0.008124	18.11	1539.10	194.92	0.99

Reach	5442	PF 12	37000.00	5021.42	5038.23	5037.05	5042.98	0.006776	20.42	2404.90	411.50	0.95
Reach	5442	PF 13	3612.00	5021.42	5028.24	5028.24	5029.62	0.007907	10.00	435.79	162.41	0.84
Reach	5228	PF 1	50.00	5019.91	5020.70		5020.76	0.004937	2.01	24.87	44.83	0.48
Reach	5228	PF 2	100.00	5019.91	5021.00		5021.10	0.004898	2.59	38.63	47.26	0.50
Reach	5228	PF 3	200.00	5019.91	5021.44		5021.61	0.004936	3.32	60.23	50.83	0.54
Reach	5228	PF 4	500.00	5019.91	5022.33		5022.65	0.005492	4.59	108.92	60.97	0.61
Reach	5228	PF 5	1000.00	5019.91	5023.16		5023.73	0.006780	6.05	166.14	80.40	0.70
Reach	5228	PF 6	1890.00	5019.91	5024.08	5023.80	5025.00	0.008095	7.83	259.11	115.38	0.80
Reach	5228	PF 7	4060.00	5019.91	5025.52	5025.43	5027.01	0.008863	10.27	448.15	140.54	0.88
Reach	5228	PF 8	7100.00	5019.91	5027.12	5026.89	5029.06	0.008131	11.97	677.83	147.51	0.88
Reach	5228	PF 9	13580.00	5019.91	5029.81		5032.49	0.007239	14.26	1090.77	159.36	0.88
Reach	5228	PF 10	20950.00	5019.91	5033.20		5035.97	0.004823	14.66	1659.37	175.97	0.76
Reach	5228	PF 11	22220.00	5019.91	5033.77		5036.55	0.004531	14.68	1761.26	178.31	0.74
Reach	5228	PF 12	37000.00	5019.91	5039.38		5041.33	0.002310	13.50	4624.02	965.58	0.56
Reach	5228	PF 13	3612.00	5019.91	5025.26	5025.15	5026.66	0.008929	9.90	411.17	138.27	0.87
Reach	5023	PF 1	50.00	5018.41	5019.39		5019.48	0.007136	2.39	20.93	38.43	0.57
Reach	5023	PF 2	100.00	5018.41	5019.71		5019.84	0.006669	2.95	33.95	43.24	0.59
Reach	5023	PF 3	200.00	5018.41	5020.13		5020.35	0.007149	3.73	53.57	50.32	0.64
Reach	5023	PF 4	500.00	5018.41	5021.09		5021.32	0.006226	3.89	128.42	102.15	0.61
Reach	5023	PF 5	1000.00	5018.41	5021.84		5022.20	0.005421	4.80	208.34	108.92	0.61
Reach	5023	PF 6	1890.00	5018.41	5022.69		5023.29	0.005959	6.23	304.17	122.96	0.68
Reach	5023	PF 7	4060.00	5018.41	5023.89		5025.16	0.007901	9.08	455.16	128.63	0.82
Reach	5023	PF 8	7100.00	5018.41	5025.23	5024.94	5027.27	0.008524	11.55	632.73	135.19	0.90
Reach	5023	PF 9	13580.00	5018.41	5028.57		5031.08	0.005482	12.96	1108.47	148.93	0.79
Reach	5023	PF 10	20950.00	5018.41	5032.48		5035.02	0.003443	13.23	1721.76	165.09	0.66
Reach	5023	PF 11	22220.00	5018.41	5033.05		5035.63	0.003301	13.35	1816.56	167.37	0.65
Reach	5023	PF 12	37000.00	5018.41	5039.34		5040.77	0.001394	11.30	5676.47	967.82	0.45
Reach	5023	PF 13	3612.00	5018.41	5023.69		5024.81	0.007475	8.54	429.69	127.70	0.80
Reach	4825	PF 1	50.00	5016.85	5017.82		5017.90	0.005450	2.26	22.14	36.09	0.51
Reach	4825	PF 2	100.00	5016.85	5018.17		5018.29	0.005428	2.78	35.92	42.65	0.53
Reach	4825	PF 3	200.00	5016.85	5018.65		5018.83	0.005423	3.41	58.68	51.38	0.56
Reach	4825	PF 4	500.00	5016.85	5019.59		5019.88	0.006159	4.34	115.15	77.07	0.63
Reach	4825	PF 5	1000.00	5016.85	5020.43		5020.87	0.006244	5.31	188.35	94.14	0.66
Reach	4825	PF 6	1890.00	5016.85	5021.25		5021.99	0.007108	6.96	285.64	144.10	0.74
Reach	4825	PF 7	4060.00	5016.85	5022.88		5023.78	0.005150	8.11	607.63	219.73	0.68
Reach	4825	PF 8	7100.00	5016.85	5025.16		5025.91	0.002721	7.79	1134.57	238.21	0.53
Reach	4825	PF 9	13580.00	5016.85	5029.26		5029.99	0.001448	7.84	2143.04	252.24	0.42
Reach	4825	PF 10	20950.00	5016.85	5033.36		5034.12	0.001001	8.08	3201.54	263.55	0.37
Reach	4825	PF 11	22220.00	5016.85	5033.96		5034.74	0.000972	8.18	3359.72	265.35	0.37
Reach	4825	PF 12	37000.00	5016.85	5039.70		5040.34	0.000694	8.53	7967.29	1035.69	0.33
Reach	4825	PF 13	3612.00	5016.85	5022.53		5023.46	0.005852	8.16	529.31	217.06	0.72
Reach	4571	PF 1	50.00	5015.43	5016.39		5016.45	0.003917	2.01	24.83	37.52	0.44
Reach	4571	PF 2	100.00	5015.43	5016.81		5016.89	0.004419	2.32	43.07	57.52	0.47
Reach	4571	PF 3	200.00	5015.43	5017.34		5017.43	0.003517	2.39	83.77	90.50	0.44
Reach	4571	PF 4	500.00	5015.43	5018.20		5018.33	0.002621	2.94	169.90	107.52	0.41
Reach	4571	PF 5	1000.00	5015.43	5019.15		5019.35	0.002439	3.54	282.43	128.35	0.42
Reach	4571	PF 6	1890.00	5015.43	5020.33		5020.62	0.002129	4.33	436.47	133.08	0.42
Reach	4571	PF 7	4060.00	5015.43	5022.37		5022.88	0.001970	5.74	715.41	140.92	0.44
Reach	4571	PF 8	7100.00	5015.43	5024.57		5025.33	0.001867	7.04	1033.38	146.30	0.45
Reach	4571	PF 9	13580.00	5015.43	5028.38		5029.56	0.001700	8.82	1602.78	152.86	0.46
Reach	4571	PF 10	20950.00	5015.43	5032.18		5033.74	0.001537	10.16	2212.51	198.08	0.46
Reach	4571	PF 11	22220.00	5015.43	5032.70		5034.35	0.001548	10.43	2325.59	231.96	0.46
Reach	4571	PF 12	37000.00	5015.43	5039.55		5040.17	0.000528	7.76	8256.54	1024.47	0.29
Reach	4571	PF 13	3612.00	5015.43	5021.99		5022.46	0.001989	5.50	663.11	139.48	0.43
Reach	4369	PF 1	50.00	5014.31	5015.32		5015.42	0.007709	2.63	18.98	31.85	0.60
Reach	4369	PF 2	100.00	5014.31	5015.65		5015.81	0.008064	3.24	30.89	39.35	0.64
Reach	4369	PF 3	200.00	5014.31	5016.09		5016.34	0.008030	4.02	49.72	45.54	0.68

Reach	4369	PF 4	500.00	5014.31	5016.95		5017.38	0.008471	5.26	95.10	60.63	0.74
Reach	4369	PF 5	1000.00	5014.31	5017.97		5018.52	0.007737	5.95	167.99	83.04	0.74
Reach	4369	PF 6	1890.00	5014.31	5019.07		5019.84	0.007012	7.06	267.99	97.17	0.74
Reach	4369	PF 7	4060.00	5014.31	5020.70		5022.10	0.006932	9.52	434.36	105.76	0.80
Reach	4369	PF 8	7100.00	5014.31	5022.26	5021.83	5024.52	0.007597	12.18	603.23	111.27	0.88
Reach	4369	PF 9	13580.00	5014.31	5025.78		5028.80	0.005606	14.23	1018.29	124.53	0.81
Reach	4369	PF 10	20950.00	5014.31	5029.55	5027.25	5033.05	0.004259	15.49	1678.44	335.03	0.75
Reach	4369	PF 11	22220.00	5014.31	5032.38	5027.55	5033.71	0.001558	10.65	3553.47	793.09	0.47
Reach	4369	PF 12	37000.00	5014.31	5039.66		5039.99	0.000356	6.53	10591.34	1127.25	0.24
Reach	4369	PF 13	3612.00	5014.31	5020.42		5021.69	0.006833	9.06	405.11	104.78	0.78
Reach	4110	PF 1	50.00	5012.15	5013.10		5013.20	0.006445	2.42	20.68	34.53	0.55
Reach	4110	PF 2	100.00	5012.15	5013.45		5013.59	0.006429	2.92	34.26	43.02	0.58
Reach	4110	PF 3	200.00	5012.15	5013.91		5014.11	0.006220	3.60	55.54	49.62	0.60
Reach	4110	PF 4	500.00	5012.15	5014.82		5015.17	0.005893	4.74	105.40	59.67	0.63
Reach	4110	PF 5	1000.00	5012.15	5015.86		5016.38	0.005501	5.80	172.51	68.42	0.64
Reach	4110	PF 6	1890.00	5012.15	5017.00		5017.85	0.006193	7.41	259.38	114.68	0.71
Reach	4110	PF 7	4060.00	5012.15	5019.14		5020.16	0.004554	8.52	544.64	142.22	0.66
Reach	4110	PF 8	7100.00	5012.15	5021.68		5022.76	0.002992	8.96	918.42	151.36	0.57
Reach	4110	PF 9	13580.00	5012.15	5026.15		5027.40	0.001974	9.87	1628.67	168.33	0.50
Reach	4110	PF 10	20950.00	5012.15	5029.10		5030.58	0.002027	11.55	3081.93	694.79	0.52
Reach	4110	PF 11	22220.00	5012.15	5029.54		5030.93	0.001886	11.36	3394.88	712.24	0.51
Reach	4110	PF 12	37000.00	5012.15	5031.74		5033.37	0.002187	13.36	5080.81	818.85	0.56
Reach	4110	PF 13	3612.00	5012.15	5018.73		5019.75	0.004866	8.42	487.38	140.68	0.67
Reach	3845	PF 1	50.00	5010.26	5011.39		5011.48	0.006894	2.50	19.99	33.33	0.57
Reach	3845	PF 2	100.00	5010.26	5011.72		5011.87	0.007167	3.08	32.43	40.67	0.61
Reach	3845	PF 3	200.00	5010.26	5012.18		5012.40	0.007088	3.77	52.99	48.46	0.64
Reach	3845	PF 4	500.00	5010.26	5013.08		5013.46	0.006381	4.93	101.39	56.84	0.65
Reach	3845	PF 5	1000.00	5010.26	5014.03		5014.62	0.006830	6.17	162.01	67.99	0.70
Reach	3845	PF 6	1890.00	5010.26	5015.17		5016.11	0.007126	7.77	243.37	74.26	0.76
Reach	3845	PF 7	4060.00	5010.26	5017.00	5016.45	5018.74	0.007625	10.58	387.23	82.87	0.84
Reach	3845	PF 8	7100.00	5010.26	5018.83	5018.49	5021.57	0.008043	13.38	547.13	91.07	0.90
Reach	3845	PF 9	13580.00	5010.26	5021.94	5021.94	5026.30	0.007940	17.08	848.48	102.86	0.96
Reach	3845	PF 10	20950.00	5010.26	5027.38	5027.38	5029.75	0.002922	13.87	2483.37	592.26	0.62
Reach	3845	PF 11	22220.00	5010.26	5027.69	5027.69	5030.02	0.002874	13.94	2670.87	608.42	0.62
Reach	3845	PF 12	37000.00	5010.26	5029.97	5029.97	5032.55	0.003197	16.10	4221.81	754.42	0.67
Reach	3845	PF 13	3612.00	5010.26	5016.69		5018.26	0.007509	10.06	361.47	81.52	0.82
Reach	3687	PF 1	50.00	5009.42	5010.49		5010.56	0.003742	2.16	23.18	30.36	0.44
Reach	3687	PF 2	100.00	5009.42	5010.89		5011.01	0.004153	2.72	36.75	36.69	0.48
Reach	3687	PF 3	200.00	5009.42	5011.47		5011.64	0.004575	3.26	61.32	50.15	0.52
Reach	3687	PF 4	500.00	5009.42	5012.37		5012.66	0.005409	4.36	114.58	68.63	0.60
Reach	3687	PF 5	1000.00	5009.42	5013.20		5013.71	0.005990	5.70	175.43	75.80	0.66
Reach	3687	PF 6	1890.00	5009.42	5014.23		5015.07	0.006726	7.38	255.93	81.50	0.73
Reach	3687	PF 7	4060.00	5009.42	5016.07		5017.57	0.006877	9.84	416.48	91.61	0.79
Reach	3687	PF 8	7100.00	5009.42	5018.16		5020.29	0.006208	11.77	616.86	100.26	0.80
Reach	3687	PF 9	13580.00	5009.42	5021.83		5024.89	0.005112	14.27	1010.97	116.95	0.78
Reach	3687	PF 10	20950.00	5009.42	5027.47		5028.73	0.001554	10.50	3280.62	609.13	0.46
Reach	3687	PF 11	22220.00	5009.42	5026.76		5028.62	0.002309	12.41	2862.88	576.01	0.56
Reach	3687	PF 12	37000.00	5009.42	5028.54		5031.21	0.003241	15.82	3979.49	692.46	0.67
Reach	3687	PF 13	3612.00	5009.42	5015.72		5017.11	0.006940	9.45	384.62	90.37	0.79
Reach	3480	PF 1	50.00	5008.42	5009.51		5009.61	0.009435	2.53	19.79	41.16	0.64
Reach	3480	PF 2	100.00	5008.42	5009.76		5009.93	0.009601	3.26	30.65	43.89	0.69
Reach	3480	PF 3	200.00	5008.42	5010.11		5010.40	0.010746	4.28	46.74	48.33	0.77
Reach	3480	PF 4	500.00	5008.42	5010.69	5010.66	5011.20	0.016620	5.70	87.72	81.59	0.97
Reach	3480	PF 5	1000.00	5008.42	5011.28	5011.28	5012.12	0.015928	7.37	135.65	82.57	1.01
Reach	3480	PF 6	1890.00	5008.42	5012.16	5012.16	5013.43	0.013999	9.05	208.83	84.04	1.01
Reach	3480	PF 7	4060.00	5008.42	5013.84	5013.84	5015.90	0.012058	11.52	352.44	86.86	1.01
Reach	3480	PF 8	7100.00	5008.42	5015.71	5015.71	5018.63	0.010940	13.70	518.24	89.99	1.01
Reach	3480	PF 9	13580.00	5008.42	5018.88	5018.88	5023.24	0.009552	16.76	813.63	97.83	1.00

Reach	3480	PF 10	20950.00	5008.42	5021.73	5021.73	5027.51	0.008762	19.37	1104.10	105.98	1.00
Reach	3480	PF 11	22220.00	5008.42	5024.88	5024.88	5027.25	0.003083	13.49	2557.53	688.43	0.62
Reach	3480	PF 12	37000.00	5008.42	5028.13		5029.66	0.002064	12.61	5335.78	946.61	0.52
Reach	3480	PF 13	3612.00	5008.42	5013.53	5013.53	5015.44	0.012286	11.10	325.55	86.34	1.01
Reach	3266	PF 1	50.00	5006.65	5007.47		5007.53	0.007632	2.07	24.21	58.16	0.56
Reach	3266	PF 2	100.00	5006.65	5007.70		5007.80	0.007852	2.54	39.39	70.91	0.60
Reach	3266	PF 3	200.00	5006.65	5008.00		5008.16	0.008246	3.23	61.88	80.34	0.65
Reach	3266	PF 4	500.00	5006.65	5008.58		5008.87	0.008337	4.35	115.06	96.35	0.70
Reach	3266	PF 5	1000.00	5006.65	5009.21		5009.70	0.008738	5.60	178.67	105.76	0.76
Reach	3266	PF 6	1890.00	5006.65	5010.19		5010.76	0.006281	6.19	333.45	178.32	0.69
Reach	3266	PF 7	4060.00	5006.65	5012.23		5012.80	0.003153	6.43	711.67	190.49	0.53
Reach	3266	PF 8	7100.00	5006.65	5014.55		5015.18	0.002128	6.86	1160.84	197.16	0.47
Reach	3266	PF 9	13580.00	5006.65	5018.23		5019.08	0.001677	7.96	1907.15	208.44	0.44
Reach	3266	PF 10	20950.00	5006.65	5021.59		5022.61	0.001466	8.88	2892.14	485.15	0.43
Reach	3266	PF 11	22220.00	5006.65	5022.31		5023.41	0.001552	9.46	3250.12	563.66	0.44
Reach	3266	PF 12	37000.00	5006.65	5028.60		5029.15	0.000628	7.69	7999.13	914.45	0.30
Reach	3266	PF 13	3612.00	5006.65	5011.84		5012.41	0.003477	6.38	638.22	189.37	0.55
Reach	3026	PF 1	50.00	5004.64	5005.67		5005.74	0.006689	2.18	22.98	46.21	0.54
Reach	3026	PF 2	100.00	5004.64	5005.97		5006.06	0.006171	2.51	39.90	60.98	0.55
Reach	3026	PF 3	200.00	5004.64	5006.35		5006.50	0.005504	3.09	64.78	66.34	0.55
Reach	3026	PF 4	500.00	5004.64	5007.14		5007.41	0.005112	4.15	120.51	74.64	0.58
Reach	3026	PF 5	1000.00	5004.64	5008.07		5008.48	0.004915	5.15	194.35	84.32	0.60
Reach	3026	PF 6	1890.00	5004.64	5009.20		5009.83	0.004601	6.42	307.08	115.26	0.61
Reach	3026	PF 7	4060.00	5004.64	5011.17		5012.13	0.004120	8.10	544.74	124.10	0.62
Reach	3026	PF 8	7100.00	5004.64	5013.36		5014.63	0.003637	9.48	823.61	131.58	0.61
Reach	3026	PF 9	13580.00	5004.64	5016.46		5018.50	0.003752	12.16	1250.08	143.39	0.66
Reach	3026	PF 10	20950.00	5004.64	5019.10	5016.71	5021.97	0.003978	14.55	1646.30	250.62	0.71
Reach	3026	PF 11	22220.00	5004.64	5019.46	5017.04	5022.53	0.004129	15.09	1702.96	278.95	0.72
Reach	3026	PF 12	37000.00	5004.64	5028.47		5029.01	0.000597	8.07	8069.15	872.55	0.30
Reach	3026	PF 13	3612.00	5004.64	5010.80		5011.70	0.004224	7.84	498.97	122.93	0.62
Reach	2778	PF 1	50.00	5001.92	5003.34		5003.44	0.005645	2.51	19.91	28.02	0.53
Reach	2778	PF 2	100.00	5001.92	5003.77		5003.91	0.005143	3.02	33.09	32.85	0.53
Reach	2778	PF 3	200.00	5001.92	5004.38		5004.58	0.004774	3.65	54.86	38.77	0.54
Reach	2778	PF 4	500.00	5001.92	5005.69		5005.91	0.003374	3.79	131.93	67.94	0.48
Reach	2778	PF 5	1000.00	5001.92	5006.94		5007.22	0.003237	4.28	233.45	97.11	0.49
Reach	2778	PF 6	1890.00	5001.92	5008.27		5008.67	0.002817	5.11	369.92	106.03	0.48
Reach	2778	PF 7	4060.00	5001.92	5010.50		5011.17	0.002661	6.58	617.01	115.81	0.50
Reach	2778	PF 8	7100.00	5001.92	5012.77		5013.77	0.002511	8.03	890.23	124.21	0.52
Reach	2778	PF 9	13580.00	5001.92	5015.77		5017.59	0.002960	10.90	1278.47	171.98	0.59
Reach	2778	PF 10	20950.00	5001.92	5018.15		5020.97	0.003512	13.60	1638.29	578.11	0.67
Reach	2778	PF 11	22220.00	5001.92	5018.58		5021.49	0.003498	13.87	1726.69	662.39	0.67
Reach	2778	PF 12	37000.00	5001.92	5026.27		5028.51	0.001624	12.79	3424.21	937.94	0.49
Reach	2778	PF 13	3612.00	5001.92	5010.10		5010.72	0.002680	6.32	571.45	114.00	0.50
Reach	2584	PF 1	50.00	5001.01	5002.43	5001.89	5002.50	0.002772	2.11	23.73	25.56	0.39
Reach	2584	PF 2	100.00	5001.01	5002.92	5002.25	5003.03	0.003060	2.65	37.71	30.91	0.42
Reach	2584	PF 3	200.00	5001.01	5003.58	5002.76	5003.75	0.003354	3.31	60.47	38.05	0.46
Reach	2584	PF 4	500.00	5001.01	5004.87	5003.76	5005.15	0.003414	4.23	118.12	51.90	0.49
Reach	2584	PF 5	1000.00	5001.01	5006.11	5004.84	5006.49	0.004343	4.89	204.29	86.81	0.56
Reach	2584	PF 6	1890.00	5001.01	5007.63	5006.20	5008.08	0.003323	5.36	352.34	106.81	0.52
Reach	2584	PF 7	4060.00	5001.01	5009.98	5007.88	5010.64	0.002783	6.55	620.19	121.48	0.51
Reach	2584	PF 8	7100.00	5001.01	5012.33	5009.55	5013.25	0.002641	7.69	923.59	136.19	0.52
Reach	2584	PF 9	13580.00	5001.01	5015.33	5012.29	5016.90	0.002901	10.08	1353.80	148.03	0.58
Reach	2584	PF 10	20950.00	5001.01	5017.70	5014.61	5020.08	0.003260	12.40	1710.79	152.49	0.63
Reach	2584	PF 11	22220.00	5001.01	5018.13	5014.97	5020.62	0.003258	12.69	1775.54	153.40	0.64
Reach	2584	PF 12	37000.00	5001.01	5022.62	5018.67	5026.23	0.003141	15.33	2486.79	163.06	0.66
Reach	2584	PF 13	3612.00	5001.01	5009.56	5007.61	5010.19	0.002819	6.33	570.89	118.91	0.51

Reach	2558.5		Bridge									
Reach	2533	PF 1	50.00	5000.94	5002.18		5002.28	0.005397	2.55	19.60	26.19	0.52
Reach	2533	PF 2	100.00	5000.94	5002.64		5002.79	0.004680	3.11	32.19	28.62	0.52
Reach	2533	PF 3	200.00	5000.94	5003.21		5003.46	0.005893	4.03	49.63	35.39	0.60
Reach	2533	PF 4	500.00	5000.94	5004.49		5004.75	0.005053	4.14	120.89	74.06	0.57
Reach	2533	PF 5	1000.00	5000.94	5005.54		5005.92	0.004119	4.91	203.79	82.76	0.55
Reach	2533	PF 6	1890.00	5000.94	5006.96		5007.45	0.003864	5.61	336.96	106.81	0.56
Reach	2533	PF 7	4060.00	5000.94	5009.24		5009.98	0.003063	6.90	589.08	117.55	0.53
Reach	2533	PF 8	7100.00	5000.94	5011.53		5012.58	0.002727	8.29	878.30	134.96	0.53
Reach	2533	PF 9	13580.00	5000.94	5014.24		5016.19	0.003390	11.37	1254.48	142.61	0.63
Reach	2533	PF 10	20950.00	5000.94	5016.17		5019.31	0.004384	14.52	1535.67	148.53	0.74
Reach	2533	PF 11	22220.00	5000.94	5016.55		5019.85	0.004422	14.88	1592.54	149.70	0.74
Reach	2533	PF 12	37000.00	5000.94	5020.95		5025.54	0.004214	17.76	2278.67	161.98	0.76
Reach	2533	PF 13	3612.00	5000.94	5008.85		5009.53	0.003113	6.65	543.43	112.31	0.53
Reach	2402	PF 1	50.00	4999.69	5001.10	5000.29	5001.13	0.000671	1.19	41.97	36.73	0.20
Reach	2402	PF 2	100.00	4999.69	5001.64	5000.53	5001.68	0.000782	1.60	62.57	39.34	0.22
Reach	2402	PF 3	200.00	4999.69	5002.45	5000.91	5002.52	0.000866	2.09	95.75	43.22	0.25
Reach	2402	PF 4	500.00	4999.69	5003.91	5001.77	5004.03	0.001359	2.82	177.61	72.19	0.32
Reach	2402	PF 5	1000.00	4999.69	5005.24	5002.86	5005.42	0.001627	3.40	293.93	103.27	0.36
Reach	2402	PF 6	1890.00	4999.69	5006.72	5004.29	5006.98	0.001530	4.12	460.08	117.68	0.36
Reach	2402	PF 7	4060.00	4999.69	5009.09	5006.07	5009.55	0.001486	5.49	749.02	126.95	0.39
Reach	2402	PF 8	7100.00	4999.69	5011.41	5007.66	5012.14	0.001559	6.93	1053.02	135.19	0.42
Reach	2402	PF 9	13580.00	4999.69	5014.09	5010.31	5015.59	0.002237	9.96	1427.70	143.78	0.52
Reach	2402	PF 10	20950.00	4999.69	5015.96	5012.79	5018.51	0.003118	13.03	1702.27	148.72	0.63
Reach	2402	PF 11	22220.00	4999.69	5016.34	5013.19	5019.04	0.003177	13.40	1758.88	149.67	0.64
Reach	2402	PF 12	37000.00	4999.69	5020.75	5017.19	5024.73	0.003279	16.44	2443.40	160.76	0.68
Reach	2402	PF 13	3612.00	4999.69	5008.68	5005.78	5009.10	0.001476	5.23	697.43	125.50	0.38
Reach	2377.5		Bridge									
Reach	2353	PF 1	50.00	4999.57	5001.07		5001.09	0.000825	1.08	46.42	55.55	0.21
Reach	2353	PF 2	100.00	4999.57	5001.56		5001.59	0.000732	1.34	74.44	58.30	0.21
Reach	2353	PF 3	200.00	4999.57	5002.23		5002.28	0.000771	1.73	115.91	64.72	0.23
Reach	2353	PF 4	500.00	4999.57	5003.44		5003.54	0.000946	2.50	200.39	74.76	0.27
Reach	2353	PF 5	1000.00	4999.57	5004.63		5004.81	0.001348	3.36	297.31	92.29	0.33
Reach	2353	PF 6	1890.00	4999.57	5006.07		5006.35	0.001594	4.23	447.33	112.59	0.37
Reach	2353	PF 7	4060.00	4999.57	5008.42		5008.92	0.001583	5.69	720.08	119.73	0.40
Reach	2353	PF 8	7100.00	4999.57	5010.74		5011.54	0.001685	7.23	1005.83	127.72	0.43
Reach	2353	PF 9	13580.00	4999.57	5013.28		5014.97	0.002544	10.55	1346.50	140.54	0.56
Reach	2353	PF 10	20950.00	4999.57	5014.78		5017.82	0.003901	14.20	1561.59	146.39	0.70
Reach	2353	PF 11	22220.00	4999.57	5015.11		5018.33	0.004006	14.64	1610.53	147.50	0.72
Reach	2353	PF 12	37000.00	4999.57	5019.34		5024.03	0.004092	17.86	2265.33	162.38	0.76
Reach	2353	PF 13	3612.00	4999.57	5008.01		5008.47	0.001568	5.42	671.43	118.28	0.39
Reach	2145	PF 1	50.00	4999.00	5000.21		5000.28	0.002905	2.10	23.78	26.71	0.39
Reach	2145	PF 2	100.00	4999.00	5000.73		5000.83	0.002887	2.56	39.08	32.47	0.41
Reach	2145	PF 3	200.00	4999.00	5001.43		5001.58	0.002923	3.11	64.29	40.14	0.43
Reach	2145	PF 4	500.00	4999.00	5002.71		5002.94	0.003116	3.82	130.85	63.05	0.47
Reach	2145	PF 5	1000.00	4999.00	5003.97		5004.25	0.003114	4.24	235.76	97.41	0.48
Reach	2145	PF 6	1890.00	4999.00	5005.40		5005.78	0.002558	4.91	384.61	109.63	0.46
Reach	2145	PF 7	4060.00	4999.00	5007.81		5008.39	0.002155	6.12	664.95	124.79	0.46
Reach	2145	PF 8	7100.00	4999.00	5010.24		5011.07	0.001926	7.36	998.56	151.09	0.46
Reach	2145	PF 9	13580.00	4999.00	5012.74		5014.25	0.002554	10.17	1653.25	760.48	0.55
Reach	2145	PF 10	20950.00	4999.00	5013.65		5016.17	0.004055	13.54	2050.92	776.78	0.71
Reach	2145	PF 11	22220.00	4999.00	5014.20		5016.50	0.003600	13.16	2301.01	793.57	0.67
Reach	2145	PF 12	37000.00	4999.00	5020.50		5021.53	0.001140	9.82	5390.62	869.54	0.40
Reach	2145	PF 13	3612.00	4999.00	5007.39		5007.93	0.002218	5.89	613.10	121.01	0.46
Reach	1849	PF 1	50.00	4997.33	4998.55		4998.66	0.004403	2.64	18.96	20.66	0.48
Reach	1849	PF 2	100.00	4997.33	4999.07		4999.24	0.004425	3.24	30.86	24.69	0.51

Reach	1849	PF 3	200.00	4997.33	4999.77		5000.02	0.004550	4.01	49.93	29.53	0.54
Reach	1849	PF 4	500.00	4997.33	5001.11		5001.55	0.005112	5.30	94.28	39.67	0.61
Reach	1849	PF 5	1000.00	4997.33	5002.44		5003.02	0.005115	6.11	167.01	65.02	0.63
Reach	1849	PF 6	1890.00	4997.33	5003.85		5004.70	0.004610	7.53	269.11	80.17	0.64
Reach	1849	PF 7	4060.00	4997.33	5006.13		5007.49	0.004422	9.79	477.74	102.26	0.67
Reach	1849	PF 8	7100.00	4997.33	5008.40		5010.26	0.004334	11.81	738.95	130.22	0.70
Reach	1849	PF 9	13580.00	4997.33	5012.12	5012.12	5013.38	0.002543	11.42	2541.76	898.47	0.57
Reach	1849	PF 10	20950.00	4997.33	5014.11		5014.84	0.001618	10.04	4413.60	979.19	0.46
Reach	1849	PF 11	22220.00	4997.33	5014.74		5015.32	0.001290	9.23	5039.28	1012.00	0.42
Reach	1849	PF 12	37000.00	4997.33	5020.90		5021.09	0.000309	5.67	11718.31	1119.63	0.22
Reach	1849	PF 13	3612.00	4997.33	5005.73		5006.99	0.004451	9.42	436.94	98.35	0.67
Reach	1587	PF 1	50.00	4995.96	4997.09		4997.29	0.009882	3.62	13.82	17.08	0.71
Reach	1587	PF 2	100.00	4995.96	4997.55		4997.85	0.010614	4.38	22.85	22.42	0.76
Reach	1587	PF 3	200.00	4995.96	4998.10		4998.55	0.011862	5.38	37.17	29.10	0.84
Reach	1587	PF 4	500.00	4995.96	4999.27		4999.93	0.009669	6.53	76.53	38.23	0.81
Reach	1587	PF 5	1000.00	4995.96	5000.54		5001.43	0.009219	7.57	132.02	50.97	0.83
Reach	1587	PF 6	1890.00	4995.96	5002.13		5003.20	0.007239	8.32	229.79	71.22	0.78
Reach	1587	PF 7	4060.00	4995.96	5004.40		5006.04	0.005966	10.48	421.12	98.95	0.77
Reach	1587	PF 8	7100.00	4995.96	5007.05		5008.92	0.004420	11.58	727.28	132.62	0.70
Reach	1587	PF 9	13580.00	4995.96	5010.32		5012.03	0.003314	12.47	1976.63	620.32	0.64
Reach	1587	PF 10	20950.00	4995.96	5013.80		5014.43	0.001203	8.93	4405.13	759.47	0.40
Reach	1587	PF 11	22220.00	4995.96	5014.47		5015.01	0.001009	8.41	4913.99	776.50	0.37
Reach	1587	PF 12	37000.00	4995.96	5020.74		5021.00	0.000354	6.22	10487.33	991.29	0.23
Reach	1587	PF 13	3612.00	4995.96	5003.96		5005.53	0.006271	10.20	378.91	93.33	0.77
Reach	1287	PF 1	50.00	4992.49	4993.97		4994.02	0.001455	1.77	28.28	24.22	0.29
Reach	1287	PF 2	100.00	4992.49	4994.56		4994.65	0.001609	2.31	43.33	26.59	0.32
Reach	1287	PF 3	200.00	4992.49	4995.34		4995.49	0.001942	3.06	65.46	30.16	0.37
Reach	1287	PF 4	500.00	4992.49	4996.81		4997.11	0.002416	4.41	113.50	34.74	0.43
Reach	1287	PF 5	1000.00	4992.49	4998.31		4998.86	0.003105	5.94	168.40	38.90	0.50
Reach	1287	PF 6	1890.00	4992.49	4999.95		5000.92	0.004339	7.89	241.24	50.65	0.61
Reach	1287	PF 7	4060.00	4992.49	5002.25		5004.15	0.005688	11.20	384.96	74.57	0.74
Reach	1287	PF 8	7100.00	4992.49	5004.46	5004.02	5007.35	0.006271	14.11	576.04	98.19	0.82
Reach	1287	PF 9	13580.00	4992.49	5009.49		5010.95	0.002511	11.92	2144.19	560.94	0.56
Reach	1287	PF 10	20950.00	4992.49	5013.56		5014.10	0.000903	8.45	4720.91	710.46	0.35
Reach	1287	PF 11	22220.00	4992.49	5014.25		5014.72	0.000778	8.04	5216.57	726.84	0.32
Reach	1287	PF 12	37000.00	4992.49	5020.64		5020.90	0.000325	6.30	10505.05	919.17	0.22
Reach	1287	PF 13	3612.00	4992.49	5001.85		5003.58	0.005538	10.64	356.15	70.27	0.73
Reach	1045	PF 1	50.00	4991.09	4993.40		4993.43	0.000943	1.40	35.75	29.97	0.23
Reach	1045	PF 2	100.00	4991.09	4993.93		4993.99	0.001164	1.90	52.60	32.55	0.26
Reach	1045	PF 3	200.00	4991.09	4994.66		4994.76	0.001466	2.58	77.50	36.02	0.31
Reach	1045	PF 4	500.00	4991.09	4996.00		4996.23	0.002042	3.84	130.12	42.61	0.39
Reach	1045	PF 5	1000.00	4991.09	4997.35		4997.77	0.002748	5.19	192.70	50.36	0.47
Reach	1045	PF 6	1890.00	4991.09	4998.90		4999.62	0.003452	6.81	281.64	64.86	0.55
Reach	1045	PF 7	4060.00	4991.09	5001.40		5002.64	0.003981	9.06	471.75	86.65	0.62
Reach	1045	PF 8	7100.00	4991.09	5003.97		5005.69	0.003704	10.88	735.02	116.95	0.63
Reach	1045	PF 9	13580.00	4991.09	5008.95		5010.20	0.001902	10.41	2047.83	390.68	0.49
Reach	1045	PF 10	20950.00	4991.09	5013.12		5013.85	0.000970	8.82	3744.56	419.74	0.36
Reach	1045	PF 11	22220.00	4991.09	5013.81		5014.50	0.000884	8.63	4036.48	422.89	0.35
Reach	1045	PF 12	37000.00	4991.09	5020.20		5020.77	0.000532	8.12	6877.89	457.49	0.28
Reach	1045	PF 13	3612.00	4991.09	5000.94		5002.09	0.004062	8.72	432.73	82.27	0.62
Reach	826	PF 1	50.00	4991.84	4992.55		4992.67	0.008210	2.77	18.06	29.28	0.62
Reach	826	PF 2	100.00	4991.84	4992.87		4993.07	0.008520	3.62	27.62	30.68	0.67
Reach	826	PF 3	200.00	4991.84	4993.32		4993.68	0.009215	4.76	41.99	32.61	0.74
Reach	826	PF 4	500.00	4991.84	4994.24		4994.96	0.010382	6.78	73.72	36.52	0.84
Reach	826	PF 5	1000.00	4991.84	4995.55	4995.19	4996.47	0.009994	7.71	129.64	51.51	0.86
Reach	826	PF 6	1890.00	4991.84	4997.55	4996.67	4998.31	0.005532	6.97	271.33	81.01	0.67
Reach	826	PF 7	4060.00	4991.84	5000.70	4998.53	5001.45	0.002501	7.16	641.83	172.13	0.50
Reach	826	PF 8	7100.00	4991.84	5004.10		5004.70	0.001274	6.81	1324.49	220.22	0.38

Reach	826	PF 9	13580.00	4991.84	5009.17		5009.73	0.000770	6.99	2546.04	256.08	0.32
Reach	826	PF 10	20950.00	4991.84	5012.98		5013.65	0.000699	7.76	3555.60	273.71	0.32
Reach	826	PF 11	22220.00	4991.84	5013.64		5014.32	0.000680	7.83	3738.41	276.46	0.31
Reach	826	PF 12	37000.00	4991.84	5019.76		5020.61	0.000611	8.93	5509.88	302.33	0.31
Reach	826	PF 13	3612.00	4991.84	5000.11		5000.88	0.002865	7.18	550.15	145.01	0.53
Reach	625	PF 1	50.00	4989.86	4990.39	4990.39	4990.59	0.006485	3.54	14.12	36.21	1.00
Reach	625	PF 2	100.00	4989.86	4990.63	4990.63	4990.93	0.005679	4.42	22.62	37.58	1.00
Reach	625	PF 3	200.00	4989.86	4990.98	4990.98	4991.45	0.004994	5.48	36.48	39.72	1.01
Reach	625	PF 4	500.00	4989.86	4991.77	4991.77	4992.57	0.004180	7.18	69.63	44.01	1.01
Reach	625	PF 5	1000.00	4989.86	4992.73	4992.73	4993.93	0.003681	8.80	113.62	47.69	1.00
Reach	625	PF 6	1890.00	4989.86	4994.04	4994.04	4995.77	0.003322	10.55	179.14	52.52	1.01
Reach	625	PF 7	4060.00	4989.86	4996.47	4996.47	4998.97	0.002953	12.70	319.78	64.42	1.00
Reach	625	PF 8	7100.00	4989.86	4998.88	4998.88	5002.18	0.002730	14.57	487.19	74.61	1.01
Reach	625	PF 9	13580.00	4989.86	5002.66	5002.66	5007.16	0.002516	17.02	798.01	89.75	1.01
Reach	625	PF 10	20950.00	4989.86	5005.98	5005.98	5011.46	0.002365	18.79	1114.83	102.35	1.00
Reach	625	PF 11	22220.00	4989.86	5006.48	5006.48	5012.11	0.002340	19.04	1167.10	104.10	1.00
Reach	625	PF 12	37000.00	4989.86	5011.50	5011.50	5018.53	0.002209	21.27	1739.26	124.76	1.00
Reach	625	PF 13	3612.00	4989.86	4996.02	4996.02	4998.40	0.003006	12.40	291.36	61.69	1.01
Reach	398	PF 1	50.00	4981.70	4982.43	4982.43	4982.68	0.006014	4.02	12.43	24.83	1.00
Reach	398	PF 2	100.00	4981.70	4982.73	4982.73	4983.12	0.005272	5.00	20.02	26.08	1.00
Reach	398	PF 3	200.00	4981.70	4983.19	4983.19	4983.78	0.004709	6.18	32.35	27.93	1.01
Reach	398	PF 4	500.00	4981.70	4984.19	4984.19	4985.19	0.004004	8.02	62.37	31.88	1.01
Reach	398	PF 5	1000.00	4981.70	4985.41	4985.41	4986.84	0.003553	9.60	104.13	36.67	1.00
Reach	398	PF 6	1890.00	4981.70	4987.01	4987.01	4988.97	0.003260	11.26	167.82	43.18	1.01
Reach	398	PF 7	4060.00	4981.70	4989.75	4989.75	4992.53	0.002946	13.38	303.39	55.29	1.01
Reach	398	PF 8	7100.00	4981.70	4992.45	4992.45	4996.04	0.002739	15.21	466.91	65.88	1.01
Reach	398	PF 9	13580.00	4981.70	4996.62	4996.62	5001.33	0.002519	17.42	779.52	83.72	1.01
Reach	398	PF 10	20950.00	4981.70	5000.06	5000.06	5005.82	0.002391	19.25	1088.29	96.00	1.01
Reach	398	PF 11	22220.00	4981.70	5000.59	5000.59	5006.49	0.002374	19.49	1140.04	98.12	1.01
Reach	398	PF 12	37000.00	4981.70	5005.88	5005.88	5013.08	0.002181	21.54	1721.69	134.26	1.00
Reach	398	PF 13	3612.00	4981.70	4989.27	4989.27	4991.90	0.002999	13.01	277.60	53.61	1.01
Reach	159	PF 1	50.00	4975.87	4976.75	4976.75	4977.05	0.005849	4.37	11.43	19.58	1.01
Reach	159	PF 2	100.00	4975.87	4977.11	4977.11	4977.55	0.005146	5.31	18.82	21.74	1.01
Reach	159	PF 3	200.00	4975.87	4977.64	4977.64	4978.28	0.004558	6.38	31.34	24.99	1.00
Reach	159	PF 4	500.00	4975.87	4978.73	4978.73	4979.75	0.003972	8.11	61.68	30.66	1.01
Reach	159	PF 5	1000.00	4975.87	4979.99	4979.99	4981.43	0.003637	9.63	103.87	36.71	1.01
Reach	159	PF 6	1890.00	4975.87	4981.59	4981.59	4983.57	0.003298	11.31	167.12	42.62	1.01
Reach	159	PF 7	4060.00	4975.87	4984.37	4984.37	4987.18	0.002945	13.47	301.43	53.75	1.00
Reach	159	PF 8	7100.00	4975.87	4987.12	4987.12	4990.73	0.002770	15.25	465.54	65.45	1.01
Reach	159	PF 9	13580.00	4975.87	4991.36	4991.36	4996.12	0.002526	17.50	776.08	82.18	1.00
Reach	159	PF 10	20950.00	4975.87	4994.90	4994.90	5000.59	0.002407	19.16	1093.61	97.27	1.01
Reach	159	PF 11	22220.00	4975.87	4995.45	4995.45	5001.27	0.002348	19.35	1151.49	111.11	1.00
Reach	159	PF 12	37000.00	4975.87	5000.63	5000.63	5007.67	0.001879	21.53	1892.06	154.23	0.94
Reach	159	PF 13	3612.00	4975.87	4983.89	4983.89	4986.55	0.002979	13.08	276.19	52.03	1.00