HNTB

Tres Rios Environmental Restoration Phase 3A

Design Analysis Report

Grading Interim Submittal
September 14, 2010

US Army Corps of Engineers®
Los Angeles District

Kiewit

City of Phoenix

DESIGN ANALYSIS REPORT
TRES RIOS ENVIRONMENTAL RESTORATION PHASE 3A
GRADING INTERIM SUBMITTAL

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1 GENERAL DESCRIPTION

1.1 Project Description

This project is to design and construct the Tres Rios Phase 3A environmental restoration and related work. The project is located along the Gila River from the downstream edge of Old 115th Avenue to the Gila River/Salt River confluence, and along the Salt River from the confluence to approximately 107th Avenue. In general, the project includes the grading of open water, wetland marshes and other habitat areas along the project reach within the active stream system. Work includes plant removals within the project limits and revegetation with native plant materials. Incidental related work includes, in part, construction of storm drain culverts and stabilization measures along Old 115th Avenue.

2 HABITAT RESTORATION DESIGN

2.1 Introduction

The final habitat restoration design is based on previous research, inventory and analysis performed by RBF/J2 to support the 90% design documents dated July, 2010. LSD is in the process of reviewing and analyzing this data in an effort to produce a comprehensive set of Plan and Specifications (P& S) that will support the successful construction of the project.

2.2 Habitat Restoration and Objectives

As stated in the Section 2.2 of the Design Documentation Report (DDR), the primary goal for the Tres Rios Phase 3 Environmental Restoration Project is to restore the natural Sonoran Desert aquatic and riparian habitats that once occurred along the Salt River corridor.

Based on guidelines described in the DDR and 90% P & S, the project design team has developed the following objectives to achieve the stated environmental restoration goal for the Phase 3A project area.

- Undertake a comprehensive site clearing and grubbing operation that concentrates on preserving existing native vegetation and wildlife habitats while eradicating existing stands of non-native Tamarisks (Saltcedar).
- Through creative and sensitive grading and earthwork operations, restore and create the historic braided stream channels with characteristics suitable for developing sustainable native aquatic and riparian habitats.
- Create a complete and diverse riparian system that would incorporate existing preserved native vegetation and wildlife habitats and restore areas with a diverse variety of native plants. Vegetation habitats that were

identified in the DDR include: Open Water, Wetland Marsh, Cottonwood-Willow, Mesquite Bosque, Saltbush-Quailbush, and Cobble Areas.

Develop a program for on-going operation and maintenance to assure long term success of the project.

2.3 Habitat Community Requirements

Understanding the diverse plant communities and the habitat requirements is imperative to the success of this project.

Careful design consideration of the geomorphic features of the channel, appropriate species selection and location of specific habitats relative to elevation above saturated soil will improve vegetation survival and the hydraulic capacity of the channel.

An inventory of existing vegetation was completed in March 2010 by J2 to support the project grading and planting design. The primary objectives for the inventory were to:

- Identify any existing native vegetation communities that should be considered for protection,
- Identify areas and patches of non-native vegetation for removal (i.e. SaltCedar),
- Provide data that can be evaluated during the braided stream channel design, planting design, and preparation of the final grading plans.

In addition, existing native vegetation communities are symbiotic with a variety of wildlife habitats. The project area will be evaluated for existing habitats that could support species such as the Willow Fly Catcher, Yuma Clapper Rail and Bald Eagle. These potential existing habitats will be identified and subsequently protected during the construction operation. Furthermore, the habitat restoration is intended to create and supplement the existing bird habitats within the project area.

2.4 Habitat Design

Grading Alternatives to Enhance Plant Habitats

In addition to the design guidelines set forth in the DDR and the 90% P&S, the design team is currently considering alternative sustainable grading approaches/elements that would enhance the survivability of the riparian/wetland marsh and habitat planting zones. The elements could include:

- Identify, test and stockpile in-situ soils that may be suitable for planting soil. Specs currently have made no provisions for the reuse of in-situ soils.

- Confirm normal pool elevations and depth to groundwater to assist in determining the location of the riparian and wetland marsh planting zones.
- Consider methods to protect riparian and wetland marsh areas from flood events.
  - Underwater berms created from on-site cobbles and located at the edge of open water to divert high water flows away from wetland marshes.
  - Meandering channel edges to slow flows during flood events.
  - Create riparian and wetland marsh coves and backwater areas away from the main flow of the river.
- Utilize existing dead wood debris to create wildlife habitat areas instead of hauling debris off-site for disposal.
- Bury live stumps/root waddles taken from grubbed cottonwoods and willows to reinforce edges of riparian/wetland marsh habitats.
- Redistribute excavated materials on site in upland flood plains (mesquite bosque and saltbush) to create gentle mounds and depressions to enhance wildlife cover; this activity would also reduce the amount of excavated materials to be removed from site.
- Revise 90% design grades/cross sections within riparian areas so that soil profile is 1 to 5-feet above the groundwater; also reducing excavation.

Plant Methods and Materials Alternatives

After review of the DDR and the 90% P&S the design team is currently considering alternatives for seed mixes, plant materials and methods of planting with the various habitat zones that will be created by the grading operation. The following alternatives are being explored:

- Seed Mixes. The seed mixes should be revised to eliminate species that are not typical of the habitats for which they are proposed; some species should be added to enhance the mixes; and the seeding quantities in general should be decreased. Plant species that are being planted as pole cuttings or containerized plants should have reduced quantities of seed planted relative to species that will be established only by seeding. The seed mix for the Cobble Areas should be eliminated because in nature those areas are devoid of vegetation.

- Cottonwood/Willow Habitat. Elderberry should be moved from the outer (higher) edge of the planting zone to the central area, to be in association with the cottonwoods and willows. Velvet ash should be eliminated from the species mix because it typically occurs at higher elevations. Seep willow pole cuttings root readily, and we recommend that a detail be developed that shows the cuttings placed horizontally rather than vertically. Due to the increased sprouting that can be expected from the horizontal placement of the pole cuttings, the overall quantity of seep willow pole cuttings could be reduced. The use of tall pots may not be necessary for seep willow because it is a shrub and a deep root system is not critical for establishment.

- Mesquite Bosque Habitat. Seep willow, elderberry, and cottonwood should be eliminated from the Mesquite Bosque habitat. The Cottonwood/Willow plan shows a transition to mesquite at the outer (higher) edge of the planting zone, so to include seep willow, elderberry, and cottonwood in the Mesquite Bosque habitat would be inappropriate.

- Planting Methods. Planting from pole cuttings is an excellent method for salvaging willows and cottonwood if the cuttings can be gathered from plants that are protected in place on or near the project site and planted immediately after soaking for 7-10 days after cutting. We suggest that the size requirements be reduced for the pole cuttings from the specified 2-3-inches diameter x 20-feet in length to a smaller size that may be available on site or in Phase 3B or 3C area downstream from the project site. The suggested planting methods for pole cutting would be vertical extending into the ground water or horizontal on top of in-situ soil. Horizontal pole plantings would produce a denser stand of plants. Also, due to the planting schedule, the tall pot plants will not be available; therefore we are suggesting that the alternative for tall pots be revised to pole cuttings if available or one gallon containers.

- Salvaged Plant Materials. The Phase 3A area has numerous trees and plants that may be worth salvaging. Trees of significance (i.e. palo verde, cottonwood, willows, etc.) that will be destroyed by the grading operation could be boxed and transplanted if appropriate to the project. These trees would need to be inventoried and graded for suitability of transplanting. Pole cuttings could also be taken from these trees (cottonwood or willows) if the timing is correct for planting the pole cuttings. Root wads could also be salvaged from these plants.

There are numerous areas holding Cattails *(Typha sp.)* within the project area; cattails can be easily salvaged for transplanting in newly created wetland marsh planting areas.

2.5 Operations and Maintenance Considerations

As stated in Section 2.8 of the DDR, ongoing operation and maintenance of the habitat restoration project will be necessary. The continued pursuit of SaltCedar eradication would be the primary focus until the newly planted habitats have the opportunity to grow and out-compete the ever present and persistent SaltCedar. Other ongoing maintenance activities would include:

- Re-establishment of plant habitats as required after a large flood events.
- Maintenance and monitoring of the water delivery methods.
- Required plant replacements during the landscape establishment period.
- Monitor and control of potential pests /vectors that may be detrimental to habitat establishment and plant growth.
- Monitoring and maintenance of eroded and damaged shorelines.
- Periodic removal of trash and debris.

3 HYDROLOGY AND HYDRAULICS

3.1 Water Requirements

The analysis conducted for the 90% DDR indicated that flows from the overbank wetlands (OBW), an average of 235 acre-feet per day diverted from the 91st Avenue Wastewater Treatment Plan (WWTP), would be the primary source of water. This volume of water would be more than sufficient to offset the peak water demand of 98.5 acre-ft per month (Fuller 2010, Table 3-13).

After work on this contract began, representatives from the USACE and the City of Phoenix (COP) indicated that neither flows from the OBW nor from the WWTP could be relied on to support the demands of the restored vegetation communities. Flows from the WWTP would likely continue at or near current rates, but these flows could not be used to support the project vegetation through either surface inundation or infiltration into the banks. The only reliable source available is the near-surface groundwater.

If the vegetation communities are established at elevations where they can use groundwater to supply their water demand, the peak demand would require 5 inches of groundwater per month during June through August, and 2.7 feet per year. It is not known whether the regional groundwater supply would be

sufficient to supply this demand continually, but in the area within the 2-yr floodplain groundwater levels would be replenished on a regular basis by infiltrated overbank flows.

3.2 Normal Water Conditions

The 90% plan set provided with the RFP assumed that the raised Old 115th Avenue would retain the normal water levels at an elevation of 932 ft. This would be approximately three feet higher than the current normal water level of 929 ft, as determined by survey and evaluation of historic aerial photos (Appendix A). In addition to restoring the grade along Old 115th Avenue, raising the normal water level to 932 ft would require construction of one or more water control structures, most likely one in the vicinity of the existing culverts and one in the vicinity of the proposed new culverts.

Two alternatives exist regarding the design low flow water levels. The first is to develop designs for the two water control structures and raise the water level to the extent envisioned in the 90% plan set, and the second is to establish grading assuming the normal water level remains unchanged. A comparison of these alternatives is presented below.

Alternative	Pros	Cons
Raise water level	• Reduced grading	• New structural elements • Constructability • Additional infiltration losses
Design for current water level	• Groundwater supply • Unchanged infiltration losses	• Increased grading

Increasing the water level would perch the water in the channel above the current water level, which would drive additional infiltration losses of channel flow. This is deemed unacceptable by the Owner. Raising the water level would also move the vegetation farther from the reliable source of water (groundwater). Because of these factors, it was determined that the project would have to be designed with an unchanged normal water level to meet the project constraints as put forward since the project has begun.

Note that there are no known measurements of current groundwater levels within the project area; these should be obtained to better establish the final ground surface elevations required to establish the different restored habitat communities.

3.3 High Water Conditions

The hydraulic function of the proposed project under high flows was evaluated using the HEC-RAS models developed for the DDR Hydraulic Analyses

Appendix (Fuller 2010). Two downstream hydraulic conditions were analyzed: the condition without restoration of downstream reaches (Pre-Project), and the condition with the planned restoration downstream (With-Project). Flows used to evaluate function are shown in the table below. These values for the 5-yr recurrence and larger are the instantaneous peak flows from Fuller (2010). The annual flow represents the normal daily average high flow as estimated by an analysis of several local gages, and is consistent with the 2-yr flow estimated by extrapolating a plot of the Fuller peak flows (Appendix A).

Recurrence	**Flow (cfs)**	
	Salt R. Above Gila R.	**Gila R. Below Salt R.**
Average annual max. daily	4,400	6,700
5-yr	19,500	23,500
10-yr	49,000	57,000
20-yr	82,000	92,000
50-yr	130,000	185,000
100-yr	162,000	227,000

The hydraulic models from Fuller (2010) were revised to evaluate the proposed design by revising the cross sections between cross-sections 199.31 and 200.4. The revisions included:

- Incorporating updated survey data (more accurately represents overbank and underwater conditions,
- Incorporating revised grading plan, and
- Add blocked obstruction bring the elevation of Old 115th Avenue to 932 ft.

The intention of this modeling is to compare the proposed project design to the models used for plan development. For this reason, changes to the models were kept to the minimum required to represent the project within the existing framework and potential "improvements" to model representations (specifically the representation of Old 115th Avenue) were not incorporated.

Design flow profiles are presented in Appendix B. The flow profiles for the proposed design do not exceed those presented for the design in Fuller (2010), in part because of additional conveyance capacity provided by the incorporation the underwater portions of cross-sections immediately upstream of Old 115th Avenue. The exception is in the immediate vicinity of Old 115th Avenue where changes in the representation of the berm have induced slightly higher local water surface elevations that are generally in line with previous modeling by the next upstream cross section. The 2-yr profile indicates that the areas lower than an elevation of 933.5 to 934.5 ft would be inundated with flows that would regularly recharge local groundwater levels.

The HEC-RAS model was also configured to simulate the vertically-averaged velocities at various points across each cross-section. Appendix B shows

contour representations for the modeled velocity distributions for several flows (representations depict results from the grading plan provided in the RFP – results for the proposed grading plan have not yet been generated but are expected to be similar). These demonstrate that, except in specific locations, flow velocities through the project are generally expected to be 4 ft/s or less for flows up to and including the 10-year recurrence event. These flow velocities probably represent the upper limit of resistance of vegetation stands within sandy soils. Should the soil contain gravel and/or cobbles or additional measures be taken to shelter the vegetation, it should be possible to maintain vegetative stands that resist scour at velocities around 4 ft/s.

4 EARTHWORK AND ENGINEERING

4.1 Introduction

The grading and earthwork for the Project will be more limited in its nature and extent than the grading and earthwork for a typical development Project of similar size. Because the purpose of this Project is environmental restoration, the grading is not an enhancement in itself but is required primarily to accommodate the infrastructure features. Grading solely for aesthetic purposes will be minimized, especially in the terrace level. The existing soils on the Project vary considerably, but silty sand mixed with river cobbles is the predominant soil type.

4.2 Existing Conditions

Existing ground survey for the project site has been developed using a combination of aerial LiDAR, photogrammetry, and bathymetric point shots.

Several existing site features are located throughout the project and are noted throughout the contract drawings as "protect in place." These features include flood control levees, gabion mattresses, dikes, culverts, concrete spillways, basin outlet box culvert structure, outfall structure and gates, 115th Avenue Bridge and utilities spanning the channel along the 115th Avenue Bridge, existing pavement, and site appurtenances adjacent to the apparent intersection of 115th Avenue north approach and Old 115th Avenue. No underground utilities are identified within the project limits.

4.3 Grading Design Assumptions

The project is almost exclusively cut, with very limited fill areas. Cut and fill slopes will vary, however, 4:1 slopes will be preferred in most instances. Steeper slopes and armored slopes, or stepped slopes may be used in some instances due to horizontal constraints.

In general, the cuts and fills within a given river reach will be cautiously designed to maintain the hydraulic conveyance capacity of the river. Drastic changes to any river reach, either increasing or decreasing the conveyance capacity can have adverse effects on the stability of that reach and subsequent reaches, either upstream or downstream.

Grading design for the project is accomplished by implementing three typical cross sections. Typical cross sections provide detailed information of the finished grade surface features by establishing finished grade break lines, grading limits, and relationship to project control lines. The location of typical cross sections and the project control line data are provided in the contract drawings. Elevations of the finished grade surface features are tabulated on the typical cross sections sheets for clarity of section annotation and to provide a unified reference location in the drawings. Project control line data has been established in the plans provided by USACE titled Tres Rios Environmental Restoration Project Phase 3, June 2010, 90% Submittal.

At certain locations the finished grade slopes or surface features defined on the typical sections transition to accommodate unique grading conditions. Transitioning notes and details are placed on the contract drawings to identify locations where the typical cross sections do not apply.

The proposed vegetation, once mature and established, will be somewhat damaged during frequent to moderate flows (such as the 5- and 10-year design discharges of approximately 23,500 cfs and 57,000 cfs, respectively), but with acceptable loss of habitat. Lost habitat should be naturally replenished by the remaining vegetation.

As flood flows become larger in magnitude and/or duration, the proposed habitat becomes more threatened. However, loss of vegetation is dependent not only on magnitude and duration of the flooding, but on the timing of the flood event relative to construction. For example, newly planted vegetation may be more susceptible to damage, even at low to moderate flows, than mature, established vegetation experiencing moderate to large flood events.

4.3.1 Horizontal Control

Horizontal controls for the riparian corridors and wetland marshes are shown in the plans as survey control lines. These locations are consistent with the 90% RFP control lines.

The Salt River control baseline shown in the plans was used for cross-section purposes only.

4.3.2 Vertical Control

Vertical controls for the riparian corridors and wetland marshes are established by elevations noted on the typical sections. These locations are consistent with the 90% RFP control lines.

- Design Low Water Elevation 929.00 was provided as described in Section 3.2. This elevation controls the wetland marshes and local groundwater.

- Riparian High Ground Elevation 934.00 was determined using a maximum distance of five feet to local groundwater. This elevation controls the elevations of riparian corridors.

The Salt River control baseline does not have a vertical purpose in the design.

4.4 Roadway Culverts

The ability to successfully restore the critical riparian and wetland habitats along the project reach requires the flow of water through the reconstructed channel system. Maintaining flow through the new system will require the installation of new storm drain culverts across Old 115th Avenue.

Only one set of existing storm drain culverts are located across Old 115th Avenue. These culverts are located adjacent to the main open water body on the east side of the roadway and are on the southern portion of the river. A new set of culverts are proposed to be located along the north side of the river to facilitate flow in the new channel system. The new culvert system will promote the capture and conveyance of outflows from the Overbank Wetlands through the new channel system. The new culvert system consists of two 30-inch diameter reinforced concrete pipes. The invert elevations match the existing culverts on the south side of the roadway. The presence of the culverts will allow a steady low flow through the new channel system.

4.4.1 Functional and Technical Requirements

These culverts are to convey low flows. Larger floods, including the annual flow, will overtop the roadway and the culverts will not be responsible for the majority of the conveyance. The draft Drainage design manual for Maricopa County (Hydraulics: Culverts and Bridges) from April 2010 was used for design guidance for these culverts. The procedures outlined in the manual are taken from the well-known reference entitled Hydraulic Design Series #5, which was updated in 2005 by the USDOT, Federal Highway Administration. According to the design manual, a minimum velocity of 2.5 ft/sec is necessary to maintain adequate flow to enable a culvert to self-clean during partial flow depth.

4.4.2 Design Objectives

The culvert design objectives are:

- Allow flow to pass through northern side-channel, promoting water movement and preventing stagnation, and
- Provide self-cleaning velocities during frequent events to prevent sedimentation.

Peak flow capacity is not a concern for this application. Riprap at the outlet will be sized based on overtopping events, which will have a significantly higher scour potential than the flows through the culvert.

- Riparian High Ground Elevation 934.00 was determined using a maximum distance of five feet to local groundwater. This elevation controls the elevations of riparian corridors.

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4.4.3 Calculations

The design low-water elevation was determined to be 929 feet per a recent 2010 survey, which is 3 feet below the proposed finished road grade of 932 feet. According to the hydraulic model (HEC-RAS), the cross-section near to Old 115th crossing (XS 199.31) has a water surface elevation of 933.12 feet for the annual flow (Q=6700 cfs). The nomograph for a concrete pipe flowing full (n=0.012) was used to determine the discharges for various heads on the culvert (Appendix B) and the discharge were used to determine the velocities in the pipe. Results show that a minimum amount of head differential is required to generate sufficient velocities to be self-cleaning (Appendix B).

The losses of a pipe flowing full were determined for the minimum velocity of 2.5 ft/sec. An exit loss coefficient of 0.5 was assumed which resulted in a exit loss of 0.048. The entrance loss coefficient was assumed to be 1.0, resulting in an exit loss of 0.097. The friction loss in the pipe was determined to be 0.091. Therefore the total loss in the pipe is 0.236 feet, resulting in a required head of 0.264 or approximately 3 inches. Because the Old 115th Avenue roadway is acting as a barrier, it is likely to have a slight retention of water behind it. It is reasonable to assume that with 3 inches of head difference (discharge of 18 cfs) that the culvert will be self-cleaning. If sediment should accumulate within the culvert, the annual flow should be able to clean it out.

4.5 Old 115th Avenue Grade Control Improvements

The proposed project relies on the grade of the existing Old 115th Avenue roadway to provide significant open water areas to the east of the roadway. The existing roadway section acts as a grade control structure and appears to be made up of a combination of compacted fill and asphalt paving. The existing culverts under the roadway are only capable of conveying low flows, and large storm flows overtop the roadway surface. The roadway surface and embankment are no longer maintained and have experienced significant erosion in recent years. Breaching of the existing roadway embankment could result in a drop in the upstream water surface elevations of up to 1-2 feet, which would result in a reduction in the open water areas of the project.

To maintain these open water areas over the life of the project, improvements are proposed to reinforce the existing roadway embankment. Due to the highly erosive nature of large flow events in the river, a protective cap section is proposed for the existing roadway embankment. Several alternative configurations are currently being investigated to accommodate design considerations this location. Riprap revetment is proposed on the downstream side for erosion control. The riprap is sized using the USACE criteria in combination with the results of the hydraulic modeling. The required sizes and gradations are shown on the contract drawings and the project specifications.

The proposed centerline profile for Old 115th Avenue improvements generally has a flat longitudinal slope of 0 percent at an elevation of 932'. Both ends of the

Old 115th Avenue improvements contain a 50 feet transition to existing grade. This transition contains very minimal grade breaks that do not warrant vertical curvature. The typical cross slope for Old 115th Avenue improvements is 2 percent sloping towards the east.

4.5.1 General Parameters

During high flows the roadway acts as broad-crested weir, with essentially all river flows passing over the top of the roadway. Evaluation of the stability of the structure involves evaluation of flow conditions under both high flows and the flows in which overtopping is just commencing, where downstream water levels are low and water flows rapidly down the face of the downstream protective layer.

4.5.2 Design Objectives

The reinforced section will be designed to provide the following:

- Protection against erosion due to overtopping flows, and
- A surface suitable for occasional light traffic (pickup trucks) and pedestrian access.

4.5.3 Calculations

A HEC-RAS model was developed to evaluate the various overtopping flows. Preproject water levels from Fuller 2010 were used to establish downstream conditions and the model was run using mixed flow regime (Appendix B).

The model indicates that the roadway is significantly drowned-out during flows as low as the 5-year event, so even though flow accelerates over the top of the roadway to over 11 ft/s for the 100-yr event, the high downstream water levels are sufficient to lower velocities on the downstream face of the roadway embankment, with shear stresses of less than 0.4 lb/sq. ft (Appendix B).

However, the low water overtopping analysis indicates that significantly higher velocities (15-20 ft/s) and shear stresses (8-12 lb/sq.ft) are possible on the downstream face at the initiation of overtopping, if downstream water levels are not high (Appendix B). These are higher than can be resisted by loose riprap alone and suggest a more reinforced solution will be required.

4.6 Debris Removal

As stated previously, there are significant amounts of debris. The specifications for the site preparation task will define the limitations of removal and how to backfill or grade the area of removal.

4.7 Waste Removal

Waste will certainly be encountered during construction. Depending upon where it is found, for example beneath structures, reservoirs, etc., its depth and thickness will determine how much excavation is required. The final decision on what to do during construction will need to be made by the USACE site construction staff in concert with the COP and other regulatory agencies.

4.8 Operations/ Maintenance Considerations

Care must be taken in the site grading to avoid steep slopes in areas subject to saturation. Embankment slopes in the vicinity of the wetlands and canals will require regular inspection to evaluate slope stability. Erosion of soils around Project features adjacent to stormwater outfalls, river embankments, or the Low Flow Channel (LFC) may occur over time. Regular inspection of these facilities needs to occur.

The side slopes of the LFC will be subject to erosion because the slopes are steep (4:1). If concentrated flows are allowed to drain down the side of the LFC it will most likely create deep erosion cuts in the bank. The final grading plan will ensure that concentrated flows do not reach the LFC banks in an unprotected location. Regular maintenance of the outfall channels, canals and other infrastructure can prevent the diversion of flows to unprotected locations.

Maintenance roads have been included to provide access to project features along H-Line and J-Line riparian corridors and the northern extents of the project's vegetation features. Maintenance roads are not included at project locations isolated by water. The location of the maintenance roads generally conforms to the plans provided by USACE titled Tres Rios Environmental Restoration Project Phase 3, June 2010, 90% Submittal. But, stretches of road have been altered to enhance access to project features and ease construction. Access to the maintenance road network is provided via an existing concrete ramp west of the 115th avenue bridge northern abutment.

The maintenance roads are 16 feet wide with a maximum longitudinal slope of 10 percent and a maximum cross slope of 2 percent. Roads shall be constructed out of native in-situ material with a typical cross slope to promote drainage towards the channel and 2-foot shoulders on either side of the roadway. Sections and details for maintenance road construction are included in the contract drawings.

Maintenance road traffic is anticipated to include pickup trucks and on-road water trucks. Ramps from the maintenance roads to the edge of water have been designed to more easily access deep water for pumping. Two of these maintenance road ramps have been designed along the H-Line and J-Line. Omission of 25:1 marsh area slopes in these areas provides access to the channel unfettered from vegetation and obtrusive proposed features. Details for constructing maintenance road ramps are included in the contract drawings.

Timely repair and maintenance of any damaged areas will prevent further damage and limit costs.

5 REFERENCES

JE Fuller Hydrology & Geomorphology, Inc (Fuller). 2010. Tres Rios Phase 3 Environmental Restoration Project Design Documentation Report Hydraulic Analyses Appendix. Prepared for U.S. Army Corps of Engineers Los Angeles District, May 2010

RBF Consulting 2010. Tres Rios Phase 3 Ecosystem Restoration Project, Phoenix Arizona, Final Draft Documentation Report. Submitted by Genterra Consultants, Inc and prepared by RBF Consulting and J2 for U.S. Army Corps of Engineers Los Angeles District and City of Phoenix Water Services Department. June 2010.

Appendix A – Hydrologic Calculations
(Supplied as separate PDF)

Appendix B – Hydraulic Calculations
(Supplied as separate PDF)

For	Tres Rios Water Demand	Job No.	49856	Sheet No.	1/1
Made by	MTS	Checked by		Backchecked by	
Date	9/7/10	Date		Date	

HNTB

Phase 3A -

Total Area (Table 3-2) = 242.1 acres (90% DDR)

Total Demand : Peak month = 98.5 acre-ft (90% DDR Table 3-13)

Annual = 656.8 ac-ft (90% DDR Table 3-13)

Peak monthly demand = $\frac{98.5}{242.1}$ ft = 0.40 ft

= 4.9 inches

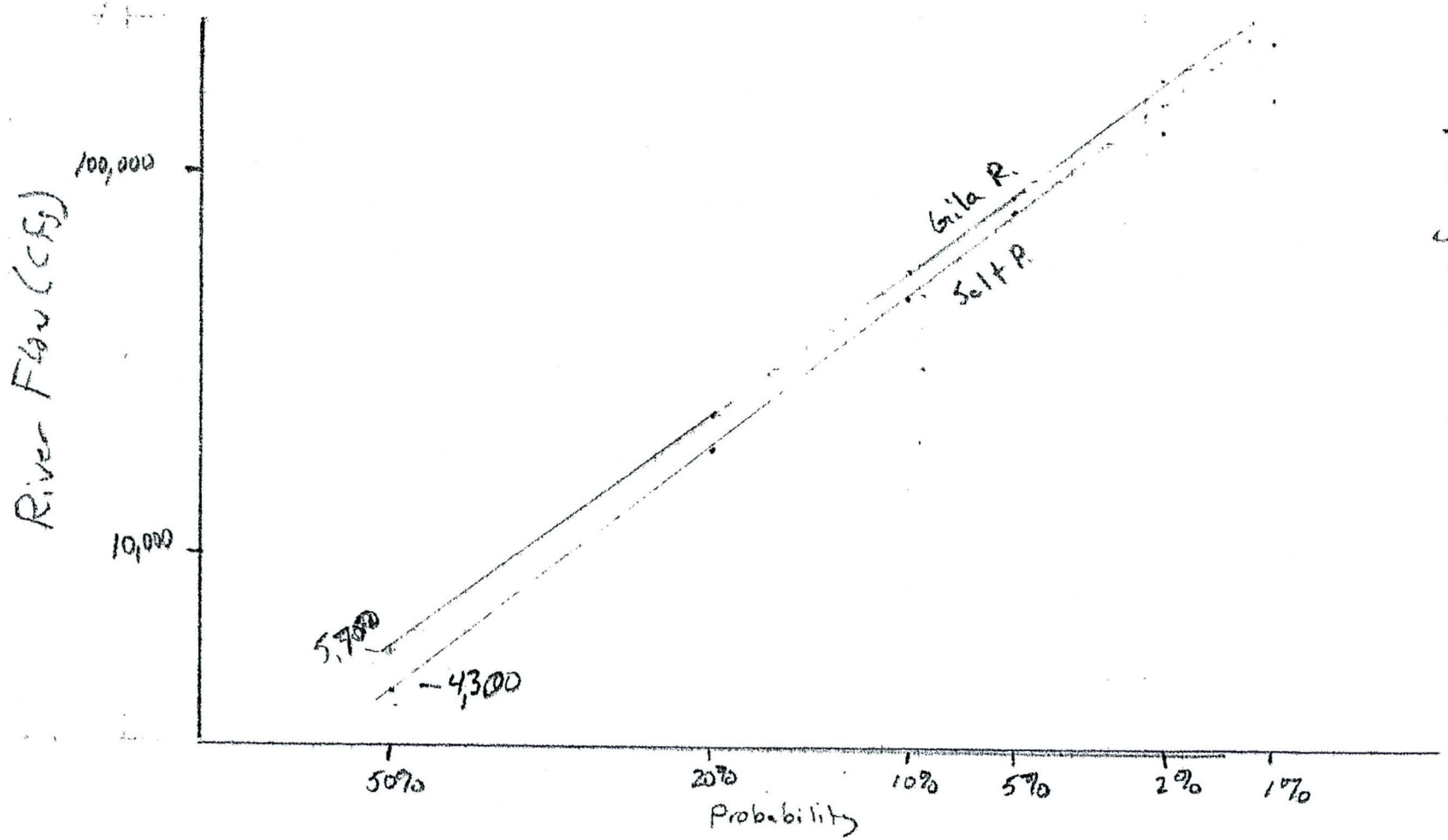
Annual demand = $\frac{656.8}{242.1}$ ft = 2.7 ft

WE101-1204

For	Tres Rios Phase 3A	Job No.	49854	Sheet No.	4
Made by	MTS	Checked by	ASO	Backchecked by	
Date	9/13/10	Date	9-13-10	Date	

HNTB

Two-year Flow estimate



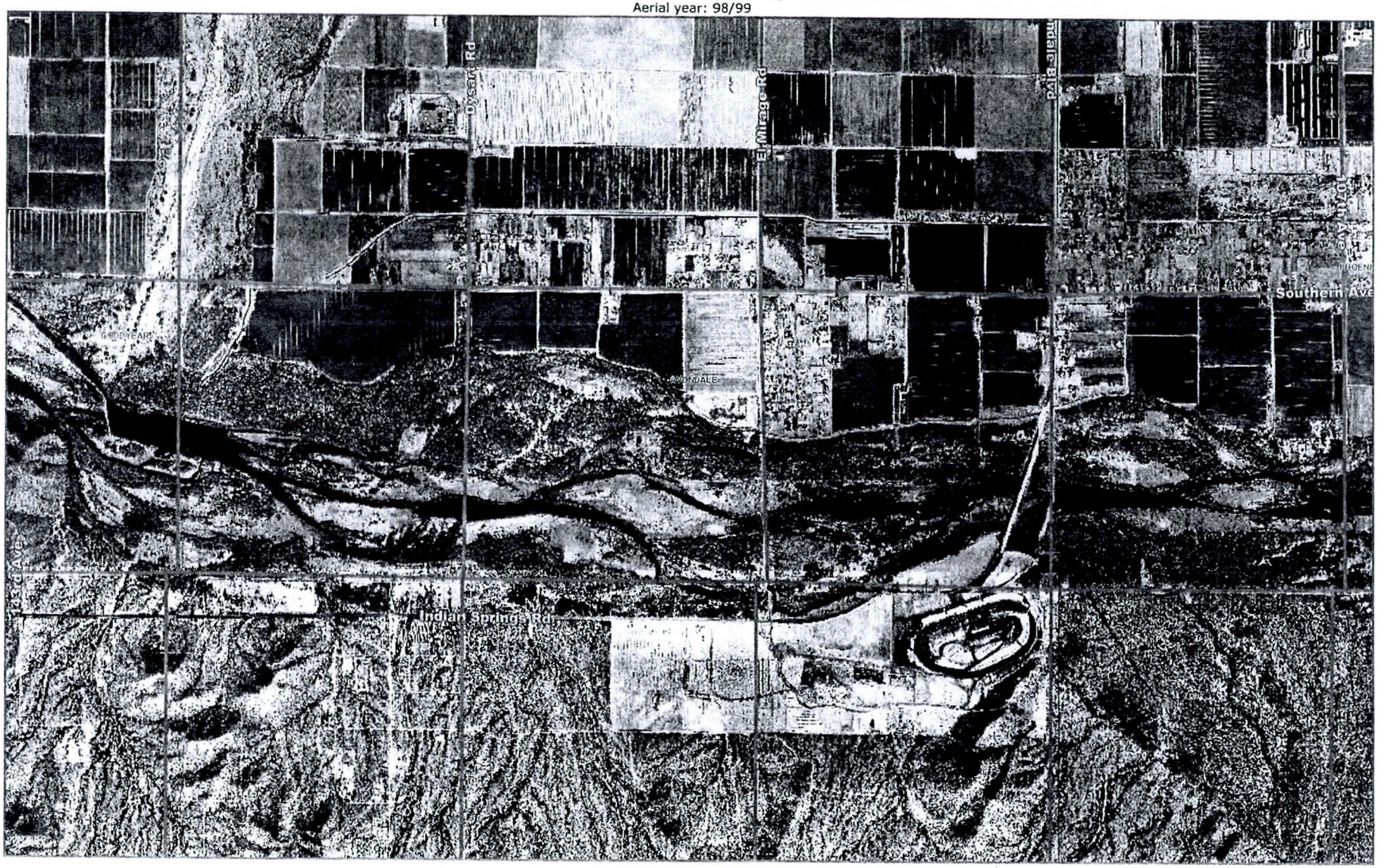
Flows (Fuller 2010)

		Salt	$\log Q_s$	Gila	$\log Q_G$	normal dist	
(20% prob.)	5-yr	19,500	4.29	23,500	4.37	0.84	0.5 = 0.0
(10% prob)	10-yr	49,000	4.69	57,000	4.76	1.28	
(5% prob)	20-yr	82,000	4.91	92,000	4.96	1.64	
(2% prob)	50-yr	130,000	5.11	185,000	5.27	2.05	
(1% prob)	100-yr	162,000	5.21	227,000	5.36	2.33	

ME101-1204

Historic Aerial Photos From DDR Hydraulics Appendix

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: 98/99



SCALE 1 : 19,922

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FEET

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Tuesday, March 23, 2010 7:38 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 99/00

SCALE 1 : 19,922

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FEET

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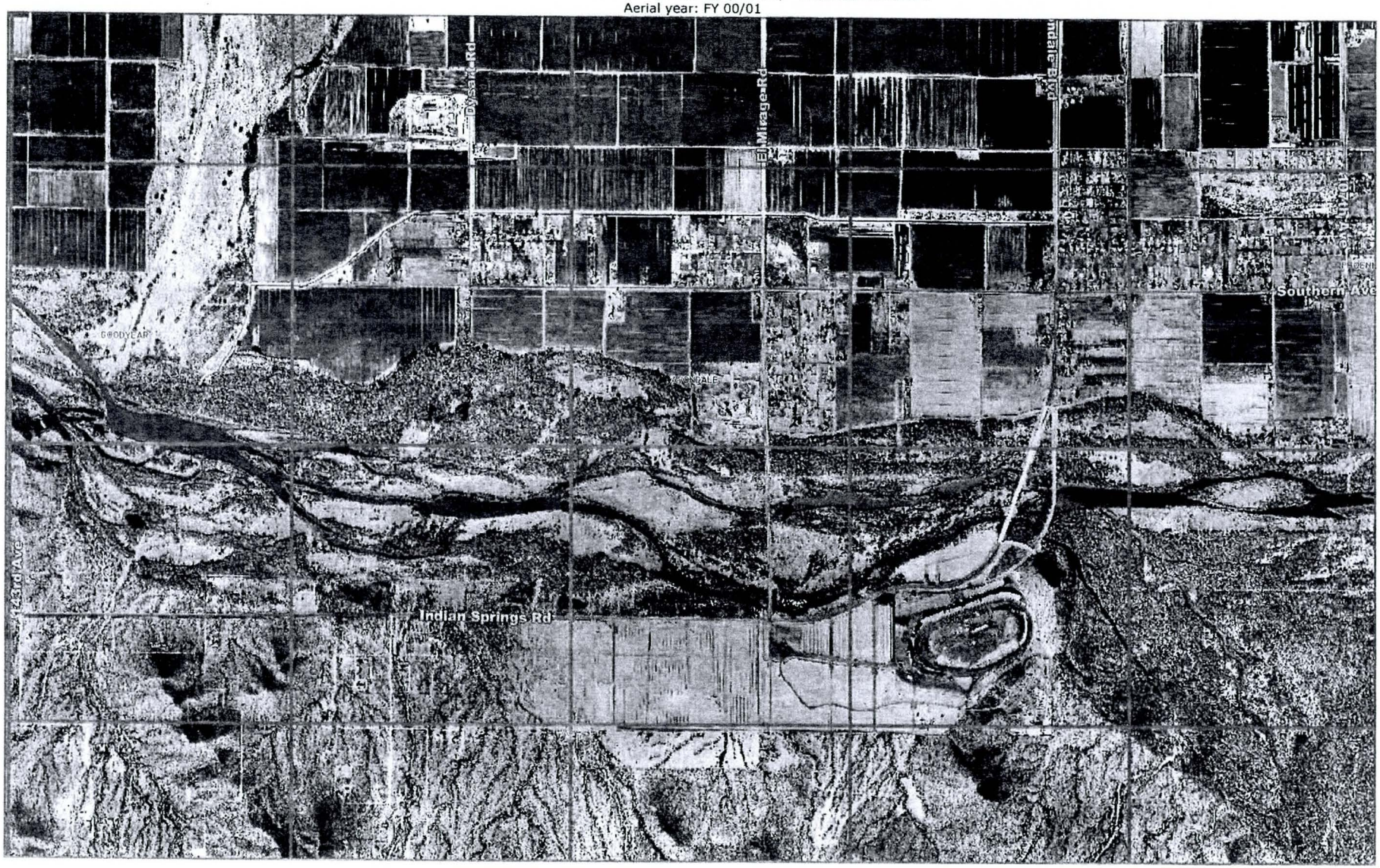
Tuesday, March 23, 2010 7:40 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 00/01



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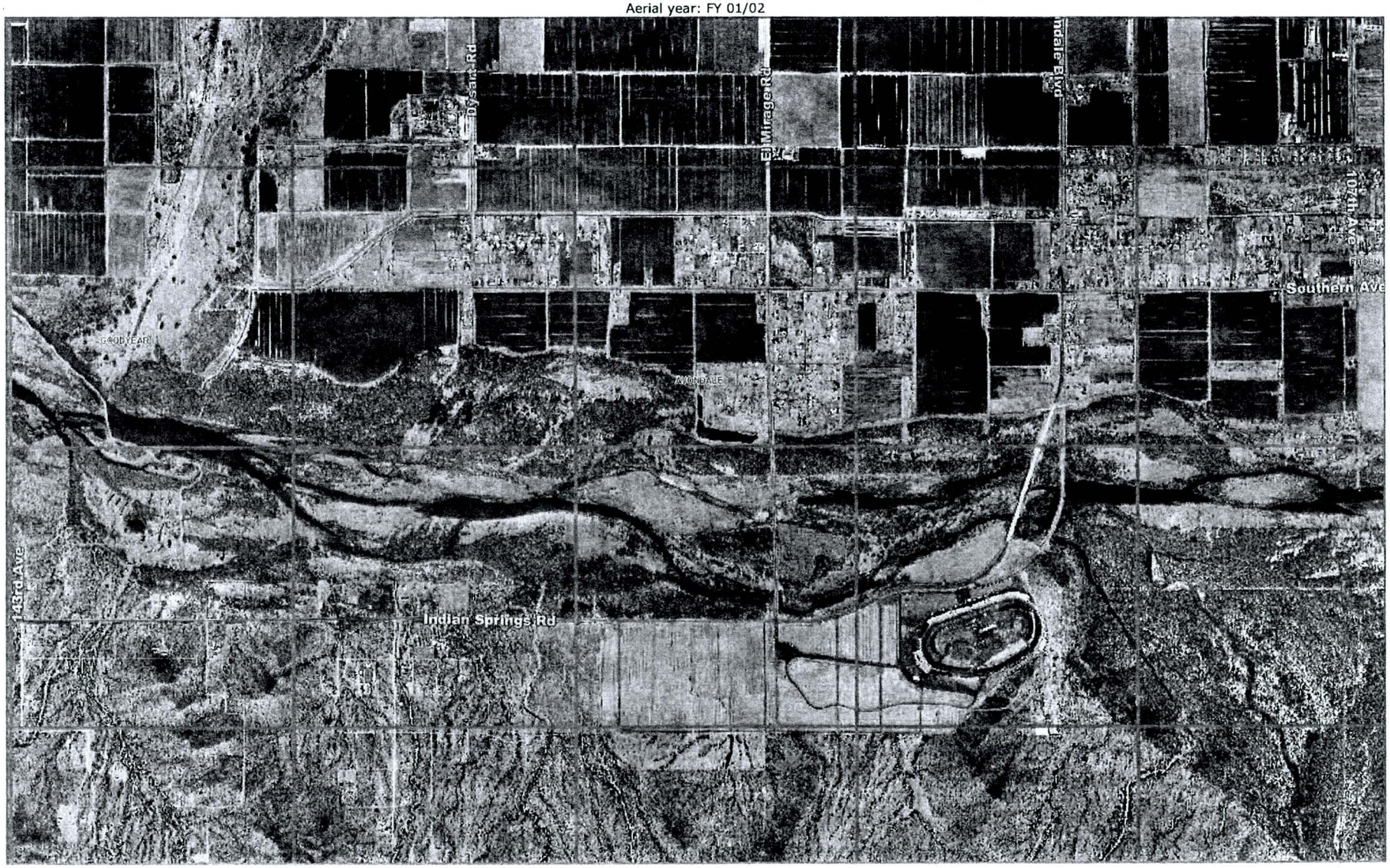
Tuesday, March 23, 2010 7:40 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 01/02



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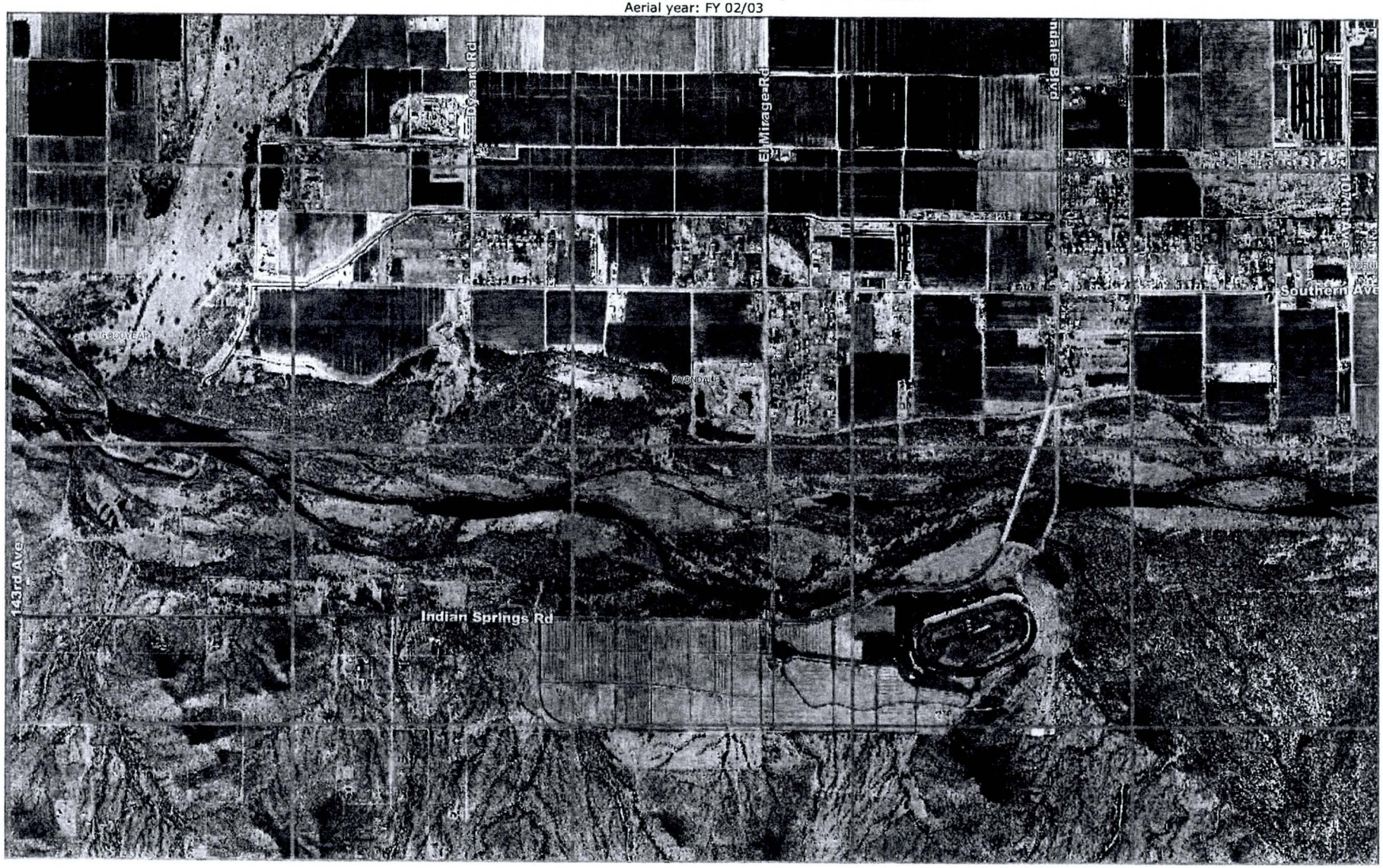
Tuesday, March 23, 2010 7:40 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 02/03



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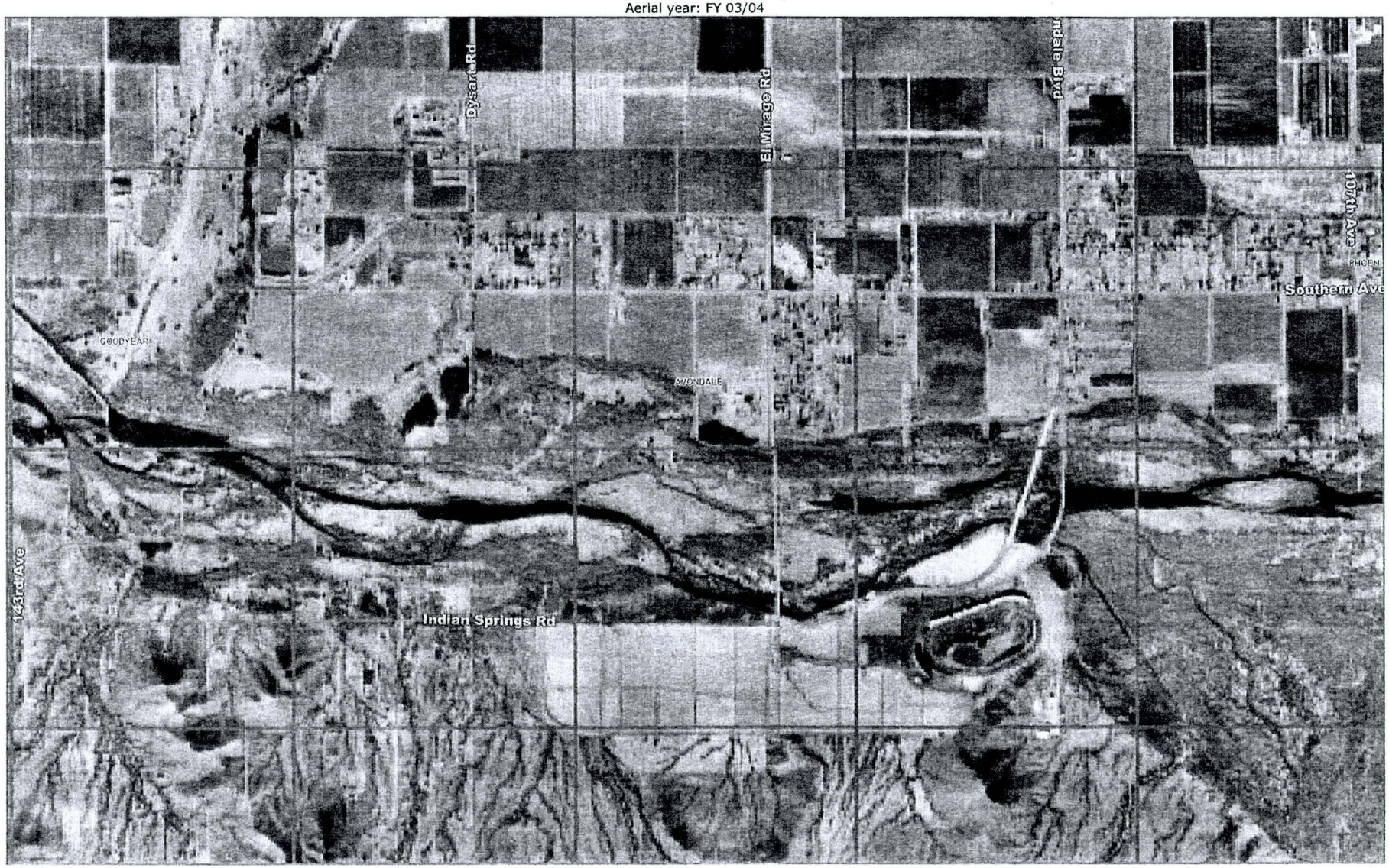
Tuesday, March 23, 2010 7:40 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 03/04



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Flood Control District of Maricopa County (FCDMC) - Unofficial Document
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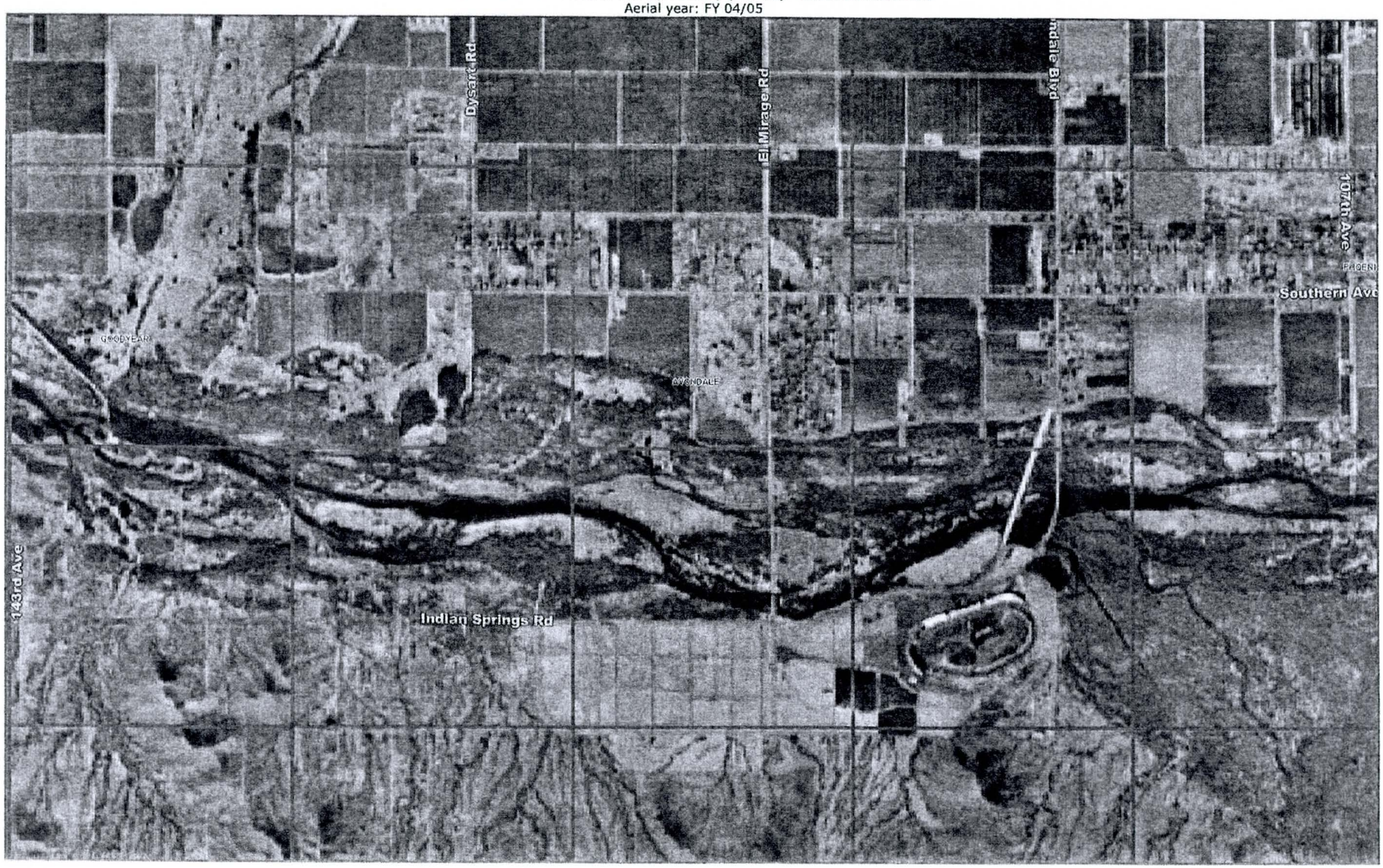

SCALE 1 : 19,922

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FEET

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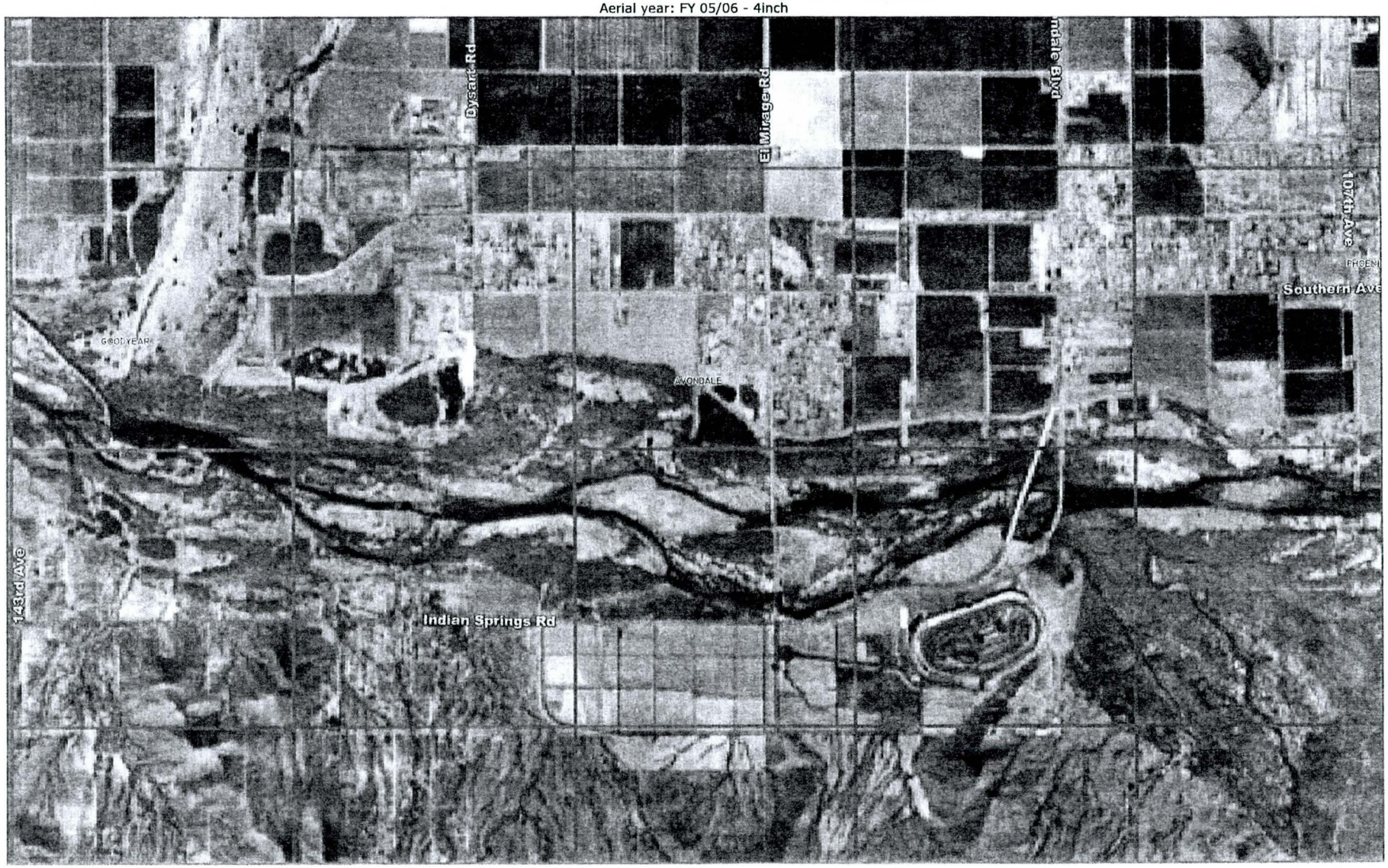
Tuesday, March 23, 2010 7:41 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 05/06 - 4inch



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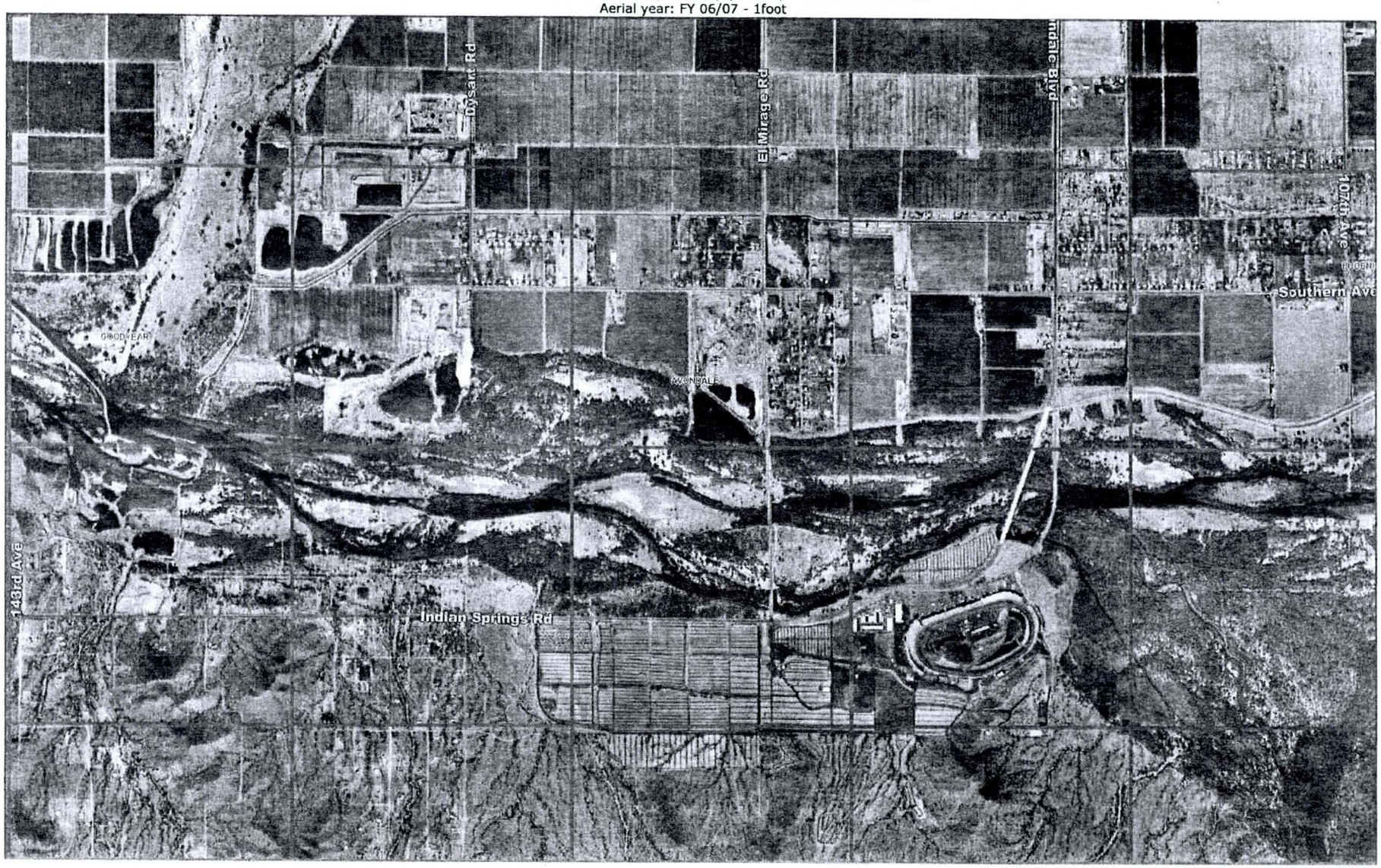
Tuesday, March 23, 2010 7:43 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 06/07 - 1foot



SCALE 1 : 19,922

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FEET

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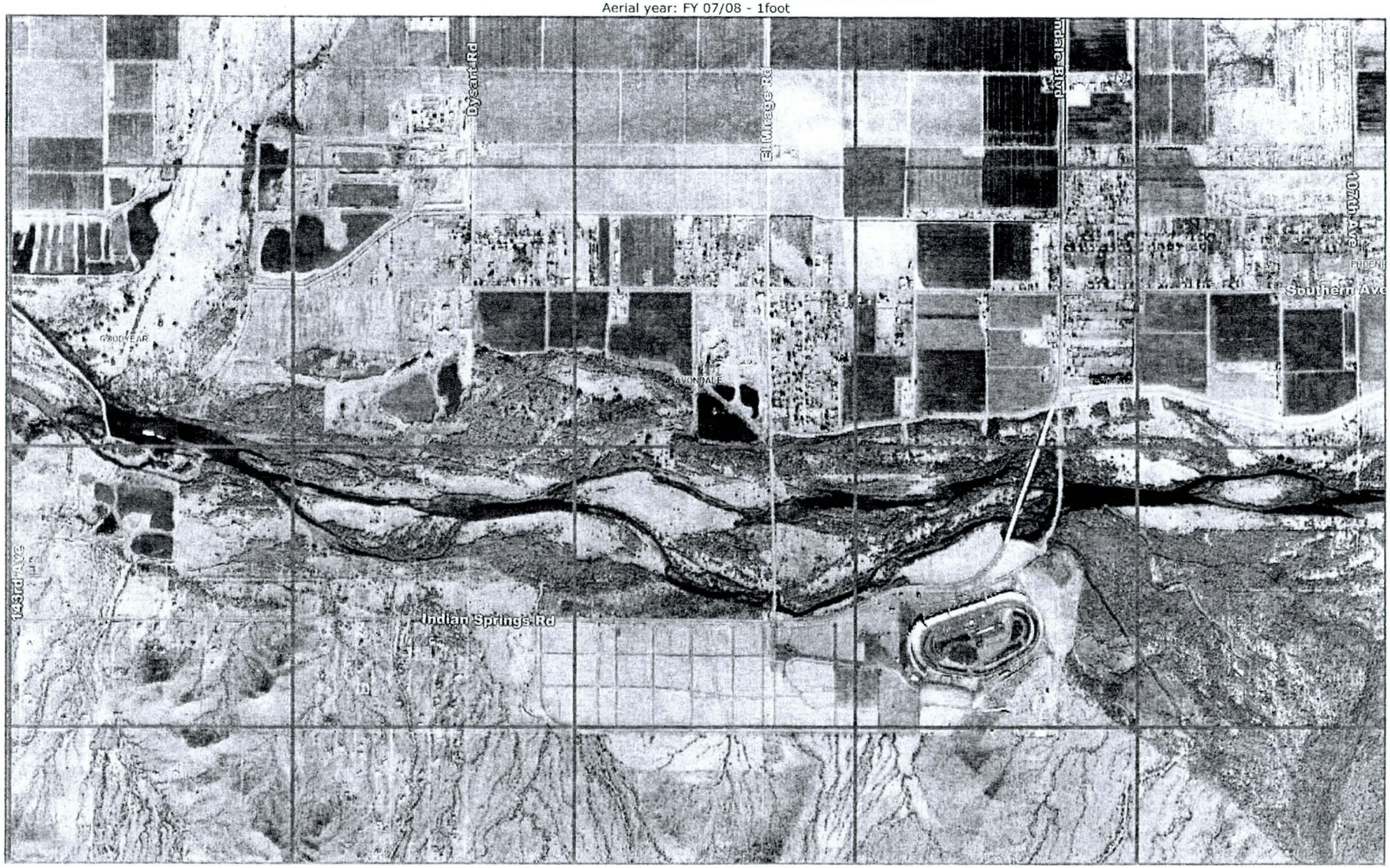
Tuesday, March 23, 2010 7:43 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 07/08 - 1foot



SCALE 1 : 19,922

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Tuesday, March 23, 2010 7:43 AM

Flood Control District of Maricopa County (FCDMC) - Unofficial Document
Aerial year: FY 08/09 - 1foot

SCALE 1 : 19,922

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FEET

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Tuesday, March 23, 2010 7:59 AM

Appendix C - Quality Assurance/ Quality Control Checklist

HNTB

Tres Rios Environmental Restoration Project Phase 3A
Maricopa County, AZ

HNTB Project: 49856

Quality Assurance Sign Off Sheet
Package 2A - Grading Plans, Specifications and Design Analysis Report

Project Team Quality Review Responsibilities			Interim Design Review		Final Design Review		Design Complete Review	
Discipline	Position	Reviewer Name(s)	Initials	Date	Initials	Date	Initials	Date
Project Manager (HNTB)	Manager	Robert Rastorfer	RKR	9/8/2010				
Design Manager (HNTB)	Manager	Michael Schwar	MJS	9/10/10				
Quality Assurance Manager (HNTB)	Manager	Thomas Poer	TP	9/10/10				
Site / Civil Engineering (HNTB)	Manager	Patty Repper	PR	9-8-10				
	ITR	Shelley Wolff	SW	9-8-10				
Water Resources (HNTB)	Manager	Michael Schwar	MJS	9/10/10				
	ITR	Bob Ivarson	—					
Geotechnical	Manager	Terracon	N/A					
	ITR	Kevin Kuhl	N/A					
Environmental	Manager	Logan Simpson Design, Inc.	N/A					
	ITR	Kelly VanEldars	N/A					
Structural (HNTB)	Manager	Thomas Clapham	N/A					
	ITR	Gary Harper	N/A					
CADD (HNTB)	Manager	Jason Koehler	JCK	9-8-10				
	ITR	Randy Barker	—					

Tres Rios Phase 3A High Flow Conditions

HEC-RAS Profiles (Proposed Grading Plan)

HEC-RAS

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	203.48	5_year	Preproj	19500.00	958.17	969.83	966.63	970.08	0.000656	4.01	4858.87	1646.08	0.30
Salt	Salt	203.48	5_year	TRWithprj	19500.00	958.17	969.83	966.63	970.08	0.000656	4.01	4858.87	1646.08	0.30
Salt	Salt	203.48	5_year	Preproj_Design	19500.00	958.17	969.83	966.63	970.08	0.000656	4.01	4858.87	1646.08	0.30
Salt	Salt	203.48	5_year	Withprj_Design	19500.00	958.17	969.83	966.63	970.08	0.000656	4.01	4858.87	1646.08	0.30
Salt	Salt	203.48	10_year	Preproj	49000.00	958.17	971.12	968.83	971.56	0.000975	5.61	9990.77	2143.21	0.38
Salt	Salt	203.48	10_year	TRWithprj	49000.00	958.17	971.12	968.83	971.56	0.000975	5.61	9990.77	2143.21	0.38
Salt	Salt	203.48	10_year	Preproj_Design	49000.00	958.17	971.12	968.83	971.56	0.000975	5.61	9990.77	2143.21	0.38
Salt	Salt	203.48	10_year	Withprj_Design	49000.00	958.17	971.12	968.83	971.56	0.000975	5.61	9990.77	2143.21	0.38
Salt	Salt	203.48	20_year	Preproj	82000.00	958.17	972.68	970.01	973.38	0.001262	7.31	13716.14	2553.42	0.44
Salt	Salt	203.48	20_year	TRWithprj	82000.00	958.17	972.68	970.01	973.38	0.001262	7.31	13716.14	2553.42	0.44
Salt	Salt	203.48	20_year	Preproj_Design	82000.00	958.17	972.68	970.01	973.38	0.001262	7.31	13716.14	2553.42	0.44
Salt	Salt	203.48	20_year	Withprj_Design	82000.00	958.17	972.68	970.01	973.38	0.001262	7.31	13716.14	2553.42	0.44
Salt	Salt	203.48	50_year	Preproj	130000.00	958.17	974.48	971.34	975.44	0.001476	8.98	18938.33	3362.24	0.49
Salt	Salt	203.48	50_year	TRWithprj	130000.00	958.17	974.48	971.34	975.44	0.001476	8.98	18938.33	3362.24	0.49
Salt	Salt	203.48	50_year	Preproj_Design	130000.00	958.17	974.48	971.34	975.44	0.001476	8.98	18938.33	3362.24	0.49
Salt	Salt	203.48	50_year	Withprj_Design	130000.00	958.17	974.48	971.34	975.44	0.001476	8.98	18938.33	3362.24	0.49
Salt	Salt	203.48	100_year	Preproj	162000.00	958.17	975.41	971.82	976.49	0.001527	9.67	22128.83	3496.81	0.51
Salt	Salt	203.48	100_year	TRWithprj	162000.00	958.17	975.41	971.82	976.49	0.001527	9.67	22128.83	3496.81	0.51
Salt	Salt	203.48	100_year	Preproj_Design	162000.00	958.17	975.41	971.82	976.49	0.001527	9.67	22128.83	3496.81	0.51
Salt	Salt	203.48	100_year	Withprj_Design	162000.00	958.17	975.41	971.82	976.49	0.001527	9.67	22128.83	3496.81	0.51
Salt	Salt	203.48	Typ Peak_year	Preproj	4400.00	958.17	965.78	964.75	965.92	0.001569	3.01	1463.81	1010.30	0.38
Salt	Salt	203.48	Typ Peak_year	TRWithprj	4400.00	958.17	965.78	964.75	965.92	0.001569	3.01	1463.81	1010.30	0.38
Salt	Salt	203.48	Typ Peak_year	Preproj_Design	4400.00	958.17	965.78	964.75	965.92	0.001569	3.01	1463.81	1010.30	0.38
Salt	Salt	203.48	Typ Peak_year	Withprj_Design	4400.00	958.17	965.78	964.75	965.92	0.001569	3.01	1463.81	1010.30	0.38
Salt	Salt	203.38	5_year	Preproj	19500.00	955.24	969.50	966.58	969.74	0.000700	3.92	4972.90	1971.16	0.30
Salt	Salt	203.38	5_year	TRWithprj	19500.00	955.24	969.50	966.58	969.74	0.000700	3.92	4972.90	1971.16	0.30
Salt	Salt	203.38	5_year	Preproj_Design	19500.00	955.24	969.50	966.58	969.74	0.000700	3.92	4972.90	1971.16	0.30
Salt	Salt	203.38	5_year	Withprj_Design	19500.00	955.24	969.50	966.58	969.74	0.000700	3.92	4972.90	1971.16	0.30
Salt	Salt	203.38	10_year	Preproj	49000.00	955.24	970.51	968.64	970.98	0.001329	6.08	9567.92	2357.99	0.43
Salt	Salt	203.38	10_year	TRWithprj	49000.00	955.24	970.51	968.64	970.98	0.001329	6.08	9567.92	2357.99	0.43
Salt	Salt	203.38	10_year	Preproj_Design	49000.00	955.24	970.51	968.64	970.98	0.001329	6.08	9567.92	2357.99	0.43
Salt	Salt	203.38	10_year	Withprj_Design	49000.00	955.24	970.51	968.64	970.98	0.001329	6.08	9567.92	2357.99	0.43
Salt	Salt	203.38	20_year	Preproj	82000.00	955.24	971.96	969.81	972.67	0.001567	7.60	13206.69	2679.45	0.48
Salt	Salt	203.38	20_year	TRWithprj	82000.00	955.24	971.96	969.81	972.67	0.001567	7.60	13206.69	2679.45	0.48
Salt	Salt	203.38	20_year	Preproj_Design	82000.00	955.24	971.96	969.81	972.67	0.001567	7.60	13206.69	2679.45	0.48
Salt	Salt	203.38	20_year	Withprj_Design	82000.00	955.24	971.96	969.81	972.67	0.001567	7.60	13206.69	2679.45	0.48
Salt	Salt	203.38	50_year	Preproj	130000.00	955.24	973.73	971.43	974.65	0.001608	8.83	18473.28	3308.31	0.51
Salt	Salt	203.38	50_year	TRWithprj	130000.00	955.24	973.73	971.43	974.65	0.001608	8.83	18473.28	3308.31	0.51
Salt	Salt	203.38	50_year	Preproj_Design	130000.00	955.24	973.73	971.43	974.65	0.001608	8.83	18473.28	3308.31	0.51
Salt	Salt	203.38	50_year	Withprj_Design	130000.00	955.24	973.73	971.43	974.65	0.001608	8.83	18473.28	3308.31	0.51
Salt	Salt	203.38	100_year	Preproj	162000.00	955.24	974.63	972.22	975.68	0.001643	9.50	21568.49	3466.81	0.52
Salt	Salt	203.38	100_year	TRWithprj	162000.00	955.24	974.63	972.22	975.68	0.001643	9.50	21568.49	3466.81	0.52
Salt	Salt	203.38	100_year	Preproj_Design	162000.00	955.24	974.63	972.22	975.68	0.001643	9.50	21568.49	3466.81	0.52
Salt	Salt	203.38	100_year	Withprj_Design	162000.00	955.24	974.63	972.22	975.68	0.001643	9.50	21568.49	3466.81	0.52
Salt	Salt	203.38	Typ Peak_year	Preproj	4400.00	955.24	964.51	963.38	964.86	0.002839	4.75	925.46	473.41	0.54
Salt	Salt	203.38	Typ Peak_year	TRWithprj	4400.00	955.24	964.51	963.38	964.86	0.002839	4.75	925.46	473.41	0.54
Salt	Salt	203.38	Typ Peak_year	Preproj_Design	4400.00	955.24	964.51	963.38	964.86	0.002839	4.75	925.46	473.41	0.54
Salt	Salt	203.38	Typ Peak_year	Withprj_Design	4400.00	955.24	964.51	963.38	964.86	0.002839	4.75	925.46	473.41	0.54
Salt	Salt	203.3	5_year	Preproj	19500.00	955.59	969.15	965.23	969.39	0.000817	3.93	4963.78	2130.02	0.29
Salt	Salt	203.3	5_year	TRWithprj	19500.00	955.59	969.15	965.23	969.39	0.000817	3.93	4963.78	2130.02	0.29
Salt	Salt	203.3	5_year	Preproj_Design	19500.00	955.59	969.15	965.23	969.39	0.000817	3.93	4963.78	2130.02	0.29
Salt	Salt	203.3	5_year	Withprj_Design	19500.00	955.59	969.15	965.23	969.39	0.000817	3.93	4963.78	2130.02	0.29
Salt	Salt	203.3	10_year	Preproj	49000.00	955.59	970.03	968.00	970.38	0.001162	5.05	10754.97	2446.37	0.35
Salt	Salt	203.3	10_year	TRWithprj	49000.00	955.59	970.03	968.00	970.38	0.001162	5.05	10754.97	2446.37	0.35
Salt	Salt	203.3	10_year	Preproj_Design	49000.00	955.59	970.03	968.00	970.38	0.001162	5.05	10754.97	2446.37	0.35
Salt	Salt	203.3	10_year	Withprj_Design	49000.00	955.59	970.03	968.00	970.38	0.001162	5.05	10754.97	2446.37	0.35
Salt	Salt	203.3	20_year	Preproj	82000.00	955.59	971.34	970.01	971.91	0.001594	6.70	14210.42	2930.53	0.43
Salt	Salt	203.3	20_year	TRWithprj	82000.00	955.59	971.34	970.01	971.91	0.001594	6.70	14210.42	2930.53	0.43
Salt	Salt	203.3	20_year	Preproj_Design	82000.00	955.59	971.34	970.01	971.91	0.001594	6.70	14210.42	2930.53	0.43
Salt	Salt	203.3	20_year	Withprj_Design	82000.00	955.59	971.34	970.01	971.91	0.001594	6.70	14210.42	2930.53	0.43
Salt	Salt	203.3	50_year	Preproj	130000.00	955.59	973.08	970.22	973.84	0.001696	8.05	19856.40	3487.42	0.47
Salt	Salt	203.3	50_year	TRWithprj	130000.00	955.59	973.08	970.22	973.84	0.001696	8.05	19856.40	3487.42	0.47
Salt	Salt	203.3	50_year	Preproj_Design	130000.00	955.59	973.08	970.22	973.84	0.001696	8.05	19856.40	3487.42	0.47
Salt	Salt	203.3	50_year	Withprj_Design	130000.00	955.59	973.08	970.22	973.84	0.001696	8.05	19856.40	3487.42	0.47
Salt	Salt	203.3	100_year	Preproj	162000.00	955.59	973.99	971.01	974.85	0.001675	8.59	23066.15	3555.32	0.48
Salt	Salt	203.3	100_year	TRWithprj	162000.00	955.59	973.99	971.01	974.85	0.001675	8.59	23066.15	3555.32	0.48
Salt	Salt	203.3	100_year	Preproj_Design	162000.00	955.59	973.99	971.01	974.85	0.001675	8.59	23066.15	3555.32	0.48
Salt	Salt	203.3	100_year	Withprj_Design	162000.00	955.59	973.99	971.01	974.85	0.001675	8.59	23066.15	3555.32	0.48
Salt	Salt	203.3	Typ Peak_year	Preproj	4400.00	955.59	963.94	960.07	964.14	0.000925	3.56	1235.31	660.32	0.37
Salt	Salt	203.3	Typ Peak_year	TRWithprj	4400.00	955.59	963.94	960.07	964.14	0.000925	3.56	1235.31	660.32	0.37
Salt	Salt	203.3	Typ Peak_year	Preproj_Design	4400.00	955.59	963.94	960.07	964.14	0.000925	3.56	1235.31	660.32	0.37
Salt	Salt	203.3	Typ Peak_year	Withprj_Design	4400.00	955.59	963.94	960.07	964.14	0.000925	3.56	1235.31	660.32	0.37
Salt	Salt	203.2	5_year	Preproj	19500.00	955.00	968.39	965.41	968.80	0.001738	5.13	3798.00	2324.99	0.40
Salt	Salt	203.2	5_year	TRWithprj	19500.00	955.00	968.39	965.41	968.80	0.001738	5.13	3798.00	2324.99	0.40
Salt	Salt	203.2	5_year	Preproj_Design	19500.00	955.00	968.39	965.41	968.80	0.001738	5.13	3798.00	2324.99	0.40
Salt	Salt	203.2	5_year	Withprj_Design	19500.00	955.00	968.39	965.41	968.80	0.001738	5.13	3798.00	2324.99	0.40
Salt	Salt	203.2	10_year	Preproj	49000.00	955.00	969.45	968.37	969.77	0.001210	4.66	11410.58	2916.77	0.34
Salt	Salt	203.2	10_year	TRWithprj	49000.00	955.00	969.45	968.37	969.77	0.001210	4.66	11410.58	2916.77	0.34
Salt	Salt	203.2	10_year	Preproj_Design	49000.00	955.00	969.45	968.37	969.77	0.001210	4.66	11410.58	2916.77	0.34
Salt	Salt	203.2	10_year	Withprj_Design	49000.00	955.00	969.45	968.37	969.77	0.001210	4.66	11410.58	2916.77	0.34
Salt	Salt	203.2	20_year	Preproj	82000.00	955.00	970.50	969.01	971.04	0.001797	6.48	14597.53	3114.92	0.43
Salt	Salt	203.2	20_year	TRWithprj	82000.00	955.00	970.50	969.01	971.04	0.001797	6.48	14597.53	3114.92	0.43
Salt	Salt	203.2	20_year	Preproj_Design	82000.00	955.00	970.50	969.01	971.04	0.001797	6.48	14597.53	3114.92	0.43
Salt	Salt	203.2	20_year	Withprj_Design	82000.00	955.00	970.50	969.01	971.04	0.001797	6.48	14597.53	3114.92	0.43
Salt	Salt	203.2	50_year	Preproj	130000.00	955.00	972.31	969.71	972.99	0.001588	7.22	20513.10	3357.81	0.43
Salt	Salt	203.2	50_year	TRWithprj	130000.00	955.00	972.31	969.71	972.99	0.001588	7.22	20513.10	3357.81	0.43
Salt	Salt	203.2	50_year	Preproj_Design	130000.00	955.00	972.31	969.71	972.99	0.001588	7.22	20513.10	3357.81	0.43
Salt	Salt	203.2	50_year	Withprj_Design	130000.00	955.00	972.31	969.71	972.99	0.001588	7.22	20513.10	3357.81	0.43
Salt	Salt	203.2	100_year	Preproj	162000.00	955.00	973.21	970.38	974.01	0.001597	7.82	23574.34	3420.99	0.44
Salt	Salt	203.2	100_year	TRWithprj	162000.00	955.00	973.21	970.38	974.01	0.001597	7.82	23574.34	3420.99	0.44
Salt	Salt	203.2	100_year	Preproj_Design	162000.00	955.00	973.21	970.38	974.01	0.001597	7.82	23574.34	3420.99	0.44
Salt	Salt	203.2	100_year	Withprj_Design	162000.00	955.00	973.21	970.38	974.01	0.001597	7.82	23574.34	3420.99	0.44
Salt	Salt	203.2	Typ Peak_year	Preproj	4400.00	955.00	963.56	959.03	963.79	0.000511	3.86	1139.69	633.16	0.29
Salt	Salt	203.2	Typ Peak_year	TRWithprj	4400.00	955.00	963.56	959.03	963.79	0.000511	3.86	1139.69	633.16	0.29
Salt	Salt	203.2	Typ Peak_year	Preproj_Design	4400.00	955.00	963.56	959.03	963.79	0.000511	3.86	1139.69	633.16	0.29
Salt	Salt	203.2	Typ Peak_year	Withprj_Design	4400.00	955.00	963.56	959.03	963.79	0.000511	3.86	1139.69	633.16	0.29

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	203.1	5_year	Preproj	19500.00	955.78	967.76	963.02	968.01	0.001102	4.04	4830.55	2460.91	0.31
Salt	Salt	203.1	5_year	TRWithprj	19500.00	955.78	967.76	963.02	968.01	0.001102	4.04	4830.55	2460.91	0.31
Salt	Salt	203.1	5_year	Preproj_Design	19500.00	955.78	967.76	963.02	968.01	0.001102	4.04	4830.55	2460.91	0.31
Salt	Salt	203.1	5_year	Withprj_Design	19500.00	955.78	967.76	963.02	968.01	0.001102	4.04	4830.55	2460.91	0.31
Salt	Salt	203.1	10_year	Preproj	49000.00	955.78	968.98	966.73	969.19	0.000784	3.63	13791.93	2864.63	0.26
Salt	Salt	203.1	10_year	TRWithprj	49000.00	955.78	968.98	966.73	969.19	0.000784	3.63	13791.93	2864.63	0.26
Salt	Salt	203.1	10_year	Preproj_Design	49000.00	955.78	968.98	966.73	969.19	0.000784	3.63	13791.93	2864.63	0.26
Salt	Salt	203.1	10_year	Withprj_Design	49000.00	955.78	968.98	966.73	969.19	0.000784	3.63	13791.93	2864.63	0.26
Salt	Salt	203.1	20_year	Preproj	82000.00	955.78	969.65	968.01	970.10	0.001447	5.38	15730.77	2944.61	0.37
Salt	Salt	203.1	20_year	TRWithprj	82000.00	955.78	969.65	968.01	970.10	0.001447	5.38	15730.77	2944.61	0.37
Salt	Salt	203.1	20_year	Preproj_Design	82000.00	955.78	969.65	968.01	970.10	0.001447	5.38	15730.77	2944.61	0.37
Salt	Salt	203.1	20_year	Withprj_Design	82000.00	955.78	969.65	968.01	970.10	0.001447	5.38	15730.77	2944.61	0.37
Salt	Salt	203.1	50_year	Preproj	130000.00	955.78	971.48	968.04	972.10	0.001450	6.32	21241.00	3078.06	0.38
Salt	Salt	203.1	50_year	TRWithprj	130000.00	955.78	971.48	968.04	972.10	0.001450	6.32	21241.00	3078.06	0.38
Salt	Salt	203.1	50_year	Preproj_Design	130000.00	955.78	971.48	968.04	972.10	0.001450	6.32	21241.00	3078.06	0.38
Salt	Salt	203.1	50_year	Withprj_Design	130000.00	955.78	971.48	968.04	972.10	0.001450	6.32	21241.00	3078.06	0.38
Salt	Salt	203.1	100_year	Preproj	162000.00	955.78	972.34	968.84	973.10	0.001526	7.03	23931.05	3143.91	0.40
Salt	Salt	203.1	100_year	TRWithprj	162000.00	955.78	972.34	968.84	973.10	0.001526	7.03	23931.05	3143.91	0.40
Salt	Salt	203.1	100_year	Preproj_Design	162000.00	955.78	972.34	968.84	973.10	0.001526	7.03	23931.05	3143.91	0.40
Salt	Salt	203.1	100_year	Withprj_Design	162000.00	955.78	972.34	968.84	973.10	0.001526	7.03	23931.05	3143.91	0.40
Salt	Salt	203.1	Typ Peak_year	Preproj	4400.00	955.78	963.40	959.96	963.49	0.000448	2.45	1793.89	985.77	0.20
Salt	Salt	203.1	Typ Peak_year	TRWithprj	4400.00	955.78	963.40	959.96	963.49	0.000448	2.45	1793.89	985.77	0.20
Salt	Salt	203.1	Typ Peak_year	Preproj_Design	4400.00	955.78	963.40	959.96	963.49	0.000448	2.45	1793.89	985.77	0.20
Salt	Salt	203.1	Typ Peak_year	Withprj_Design	4400.00	955.78	963.40	959.96	963.49	0.000448	2.45	1793.89	985.77	0.20
Salt	Salt	202.97	5_year	Preproj	19500.00	957.32	966.99	962.82	967.27	0.001009	4.19	4649.07	2806.64	0.34
Salt	Salt	202.97	5_year	TRWithprj	19500.00	957.32	966.99	962.82	967.27	0.001009	4.19	4649.07	2806.64	0.34
Salt	Salt	202.97	5_year	Preproj_Design	19500.00	957.32	966.99	962.82	967.27	0.001009	4.19	4649.07	2806.64	0.34
Salt	Salt	202.97	5_year	Withprj_Design	19500.00	957.32	966.99	962.82	967.27	0.001009	4.19	4649.07	2806.64	0.34
Salt	Salt	202.97	10_year	Preproj	49000.00	957.32	968.54	966.40	968.72	0.000582	3.78	15737.51	3008.82	0.26
Salt	Salt	202.97	10_year	TRWithprj	49000.00	957.32	968.54	966.40	968.72	0.000582	3.78	15737.51	3008.82	0.26
Salt	Salt	202.97	10_year	Preproj_Design	49000.00	957.32	968.54	966.40	968.72	0.000582	3.78	15737.51	3008.82	0.26
Salt	Salt	202.97	10_year	Withprj_Design	49000.00	957.32	968.54	966.40	968.72	0.000582	3.78	15737.51	3008.82	0.26
Salt	Salt	202.97	20_year	Preproj	82000.00	957.32	968.58	967.51	969.07	0.001507	6.20	15878.52	3031.02	0.43
Salt	Salt	202.97	20_year	TRWithprj	82000.00	957.32	968.58	967.51	969.07	0.001507	6.20	15878.52	3031.02	0.43
Salt	Salt	202.97	20_year	Preproj_Design	82000.00	957.32	968.58	967.51	969.07	0.001507	6.20	15878.52	3031.02	0.43
Salt	Salt	202.97	20_year	Withprj_Design	82000.00	957.32	968.58	967.51	969.07	0.001507	6.20	15878.52	3031.02	0.43
Salt	Salt	202.97	50_year	Preproj	130000.00	957.32	970.39	967.51	971.06	0.001518	7.33	21625.65	3285.45	0.45
Salt	Salt	202.97	50_year	TRWithprj	130000.00	957.32	970.39	967.51	971.06	0.001518	7.33	21625.65	3285.45	0.45
Salt	Salt	202.97	50_year	Preproj_Design	130000.00	957.32	970.39	967.51	971.06	0.001518	7.33	21625.65	3285.45	0.45
Salt	Salt	202.97	50_year	Withprj_Design	130000.00	957.32	970.39	967.51	971.06	0.001518	7.33	21625.65	3285.45	0.45
Salt	Salt	202.97	100_year	Preproj	162000.00	957.32	971.21	967.92	972.01	0.001593	8.03	24314.64	3305.98	0.47
Salt	Salt	202.97	100_year	TRWithprj	162000.00	957.32	971.21	967.92	972.01	0.001593	8.03	24314.64	3305.98	0.47
Salt	Salt	202.97	100_year	Preproj_Design	162000.00	957.32	971.21	967.92	972.01	0.001593	8.03	24314.64	3305.98	0.47
Salt	Salt	202.97	100_year	Withprj_Design	162000.00	957.32	971.21	967.92	972.01	0.001593	8.03	24314.64	3305.98	0.47
Salt	Salt	202.97	Typ Peak_year	Preproj	4400.00	957.32	963.10	959.95	963.19	0.000416	2.40	1834.09	1083.31	0.21
Salt	Salt	202.97	Typ Peak_year	TRWithprj	4400.00	957.32	963.10	959.95	963.19	0.000416	2.40	1834.09	1083.31	0.21
Salt	Salt	202.97	Typ Peak_year	Preproj_Design	4400.00	957.32	963.10	959.95	963.19	0.000416	2.40	1834.09	1083.31	0.21
Salt	Salt	202.97	Typ Peak_year	Withprj_Design	4400.00	957.32	963.10	959.95	963.19	0.000416	2.40	1834.09	1083.31	0.21
Salt	Salt	202.85	5_year	Preproj	19500.00	953.44	966.31	962.86	966.63	0.001014	4.54	4296.20	2738.08	0.35
Salt	Salt	202.85	5_year	TRWithprj	19500.00	953.44	966.31	962.86	966.63	0.001014	4.54	4296.20	2738.08	0.35
Salt	Salt	202.85	5_year	Preproj_Design	19500.00	953.44	966.31	962.86	966.63	0.001014	4.54	4296.20	2738.08	0.35
Salt	Salt	202.85	5_year	Withprj_Design	19500.00	953.44	966.31	962.86	966.63	0.001014	4.54	4296.20	2738.08	0.35
Salt	Salt	202.85	10_year	Preproj	49000.00	953.44	968.27	965.83	968.41	0.000430	3.60	18505.03	3085.95	0.24
Salt	Salt	202.85	10_year	TRWithprj	49000.00	953.44	968.27	965.83	968.41	0.000430	3.60	18505.03	3085.95	0.24
Salt	Salt	202.85	10_year	Preproj_Design	49000.00	953.44	968.27	965.83	968.41	0.000430	3.60	18505.03	3085.95	0.24
Salt	Salt	202.85	10_year	Withprj_Design	49000.00	953.44	968.27	965.83	968.41	0.000430	3.60	18505.03	3085.95	0.24
Salt	Salt	202.85	20_year	Preproj	82000.00	953.44	967.74	966.51	968.20	0.001433	6.30	16877.52	3008.46	0.43
Salt	Salt	202.85	20_year	TRWithprj	82000.00	953.44	967.74	966.51	968.20	0.001433	6.30	16877.52	3008.46	0.43
Salt	Salt	202.85	20_year	Preproj_Design	82000.00	953.44	967.74	966.51	968.20	0.001433	6.30	16877.52	3008.46	0.43
Salt	Salt	202.85	20_year	Withprj_Design	82000.00	953.44	967.74	966.51	968.20	0.001433	6.30	16877.52	3008.46	0.43
Salt	Salt	202.85	50_year	Preproj	130000.00	953.44	969.53	966.51	970.17	0.001462	7.43	22514.89	3243.40	0.45
Salt	Salt	202.85	50_year	TRWithprj	130000.00	953.44	969.53	966.51	970.17	0.001462	7.43	22514.89	3243.40	0.45
Salt	Salt	202.85	50_year	Preproj_Design	130000.00	953.44	969.53	966.51	970.17	0.001462	7.43	22514.89	3243.40	0.45
Salt	Salt	202.85	50_year	Withprj_Design	130000.00	953.44	969.53	966.51	970.17	0.001462	7.43	22514.89	3243.40	0.45
Salt	Salt	202.85	100_year	Preproj	162000.00	953.44	970.26	966.65	971.05	0.001593	8.22	24922.49	3314.48	0.48
Salt	Salt	202.85	100_year	TRWithprj	162000.00	953.44	970.26	966.65	971.05	0.001593	8.22	24922.49	3314.48	0.48
Salt	Salt	202.85	100_year	Preproj_Design	162000.00	953.44	970.26	966.65	971.05	0.001593	8.22	24922.49	3314.48	0.48
Salt	Salt	202.85	100_year	Withprj_Design	162000.00	953.44	970.26	966.65	971.05	0.001593	8.22	24922.49	3314.48	0.48
Salt	Salt	202.85	Typ Peak_year	Preproj	4400.00	953.44	962.84	958.06	962.93	0.000421	2.39	1838.90	1601.10	0.23
Salt	Salt	202.85	Typ Peak_year	TRWithprj	4400.00	953.44	962.84	958.06	962.93	0.000421	2.39	1838.90	1601.10	0.23
Salt	Salt	202.85	Typ Peak_year	Preproj_Design	4400.00	953.44	962.84	958.06	962.93	0.000421	2.39	1838.90	1601.10	0.23
Salt	Salt	202.85	Typ Peak_year	Withprj_Design	4400.00	953.44	962.84	958.06	962.93	0.000421	2.39	1838.90	1601.10	0.23
Salt	Salt	202.78	5_year	Preproj	19500.00	956.08	966.08	962.32	966.32	0.000614	3.94	4945.86	2954.67	0.27
Salt	Salt	202.78	5_year	TRWithprj	19500.00	956.08	966.08	962.32	966.32	0.000614	3.94	4945.86	2954.67	0.27
Salt	Salt	202.78	5_year	Preproj_Design	19500.00	956.08	966.08	962.32	966.32	0.000614	3.94	4945.86	2954.67	0.27
Salt	Salt	202.78	5_year	Withprj_Design	19500.00	956.08	966.08	962.32	966.32	0.000614	3.94	4945.86	2954.67	0.27
Salt	Salt	202.78	10_year	Preproj	49000.00	956.08	968.13	964.65	968.27	0.000335	3.46	18555.44	3195.72	0.21
Salt	Salt	202.78	10_year	TRWithprj	49000.00	956.08	968.13	964.65	968.27	0.000335	3.46	18555.44	3195.72	0.21
Salt	Salt	202.78	10_year	Preproj_Design	49000.00	956.08	968.13	964.65	968.27	0.000335	3.46	18555.44	3195.72	0.21
Salt	Salt	202.78	10_year	Withprj_Design	49000.00	956.08	968.13	964.65	968.27	0.000335	3.46	18555.44	3195.72	0.21
Salt	Salt	202.78	20_year	Preproj	82000.00	956.08	967.09	966.21	967.65	0.001535	6.88	15262.36	3097.09	0.44
Salt	Salt	202.78	20_year	TRWithprj	82000.00	956.08	967.09	966.21	967.65	0.001535	6.88	15262.36	3097.09	0.44
Salt	Salt	202.78	20_year	Preproj_Design	82000.00	956.08	967.09	966.21	967.65	0.001535	6.88	15262.36	3097.09	0.44
Salt	Salt	202.78	20_year	Withprj_Design	82000.00	956.08	967.09	966.21	967.65	0.001535	6.88	15262.36	3097.09	0.44
Salt	Salt	202.78	50_year	Preproj	130000.00	956.08	968.90	966.20	969.62	0.001497	7.84	21084.57	3439.31	0.45
Salt	Salt	202.78	50_year	TRWithprj	130000.00	956.08	968.90	966.20	969.62	0.001497	7.84	21084.57	3439.31	0.45
Salt	Salt	202.78	50_year	Preproj_Design	130000.00	956.08	968.90	966.20	969.62	0.001497	7.84	21084.57	3439.31	0.45
Salt	Salt	202.78	50_year	Withprj_Design	130000.00	956.08	968.90	966.20	969.62	0.001497	7.84	21084.57	3439.31	0.45
Salt	Salt	202.78	100_year	Preproj	162000.00	956.08	969.54	966.79	970.43	0.001697	8.77	23301.26	3521.01	0.49
Salt	Salt	202.78	100_year	TRWithprj	162000.00	956.08	969.54	966.79	970.43	0.001697	8.77	23301.26	3521.01	0.49
Salt	Salt	202.78	100_year	Preproj_Design	162000.00	956.08	969.54	966.79	970.43	0.001697	8.77	23301.04	3521.00	0.49
Salt	Salt	202.78	100_year	Withprj_Design	162000.00	956.08	969.54	966.79	970.43	0.001697	8.77	23301.04	3521.00	0.49
Salt	Salt	202.78	Typ Peak_year	Preproj	4400.00	956.08	962.73	959.42	962.78	0.000308	1.84	2389.90	1532.17	0.18
Salt	Salt	202.78	Typ Peak_year	TRWithprj	4400.00	956.08	962.73	959.42	962.78	0.000308	1.84	2389.90	1532.17	0.18
Salt	Salt	202.78	Typ Peak_year	Preproj_Design	4400.00	956.08	962.73	959.42	962.78	0.000308	1.84	2389.90	1532.17	0.18

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	202.78	Typ Peak_year	Withprj_Design	4400.00	956.08	962.73	959.42	962.78	0.000308	1.84	2389.90	1532.17	0.18
Salt	Salt	202.69	5_year	Preproj	19500.00	958.23	965.56	963.26	965.89	0.001272	4.60	4242.82	2738.48	0.39
Salt	Salt	202.69	5_year	TRWithprj	19500.00	958.23	965.56	963.26	965.89	0.001272	4.60	4242.82	2738.48	0.39
Salt	Salt	202.69	5_year	Preproj_Design	19500.00	958.23	965.56	963.26	965.89	0.001272	4.60	4242.82	2738.48	0.39
Salt	Salt	202.69	5_year	Withprj_Design	19500.00	958.23	965.56	963.26	965.89	0.001272	4.60	4242.82	2738.48	0.39
Salt	Salt	202.69	10_year	Preproj	49000.00	958.23	965.50	965.50	967.63	0.008416	11.72	4180.94	2715.51	1.00
Salt	Salt	202.69	10_year	TRWithprj	49000.00	958.23	965.50	965.50	967.63	0.008416	11.72	4180.94	2715.51	1.00
Salt	Salt	202.69	10_year	Preproj_Design	49000.00	958.23	965.50	965.50	967.63	0.008416	11.72	4180.94	2715.51	1.00
Salt	Salt	202.69	10_year	Withprj_Design	49000.00	958.23	965.50	965.50	967.63	0.008416	11.72	4180.94	2715.51	1.00
Salt	Salt	202.69	20_year	Preproj	82000.00	958.23	966.23	966.01	966.87	0.001892	6.19	14005.92	2811.57	0.49
Salt	Salt	202.69	20_year	TRWithprj	82000.00	958.23	966.23	966.01	966.87	0.001892	6.19	14005.92	2811.57	0.49
Salt	Salt	202.69	20_year	Preproj_Design	82000.00	958.23	966.23	966.01	966.87	0.001892	6.19	14005.92	2811.57	0.49
Salt	Salt	202.69	20_year	Withprj_Design	82000.00	958.23	966.23	966.01	966.87	0.001892	6.19	14005.92	2811.57	0.49
Salt	Salt	202.69	50_year	Preproj	130000.00	958.23	967.91	966.01	968.81	0.002010	7.74	18161.99	2909.81	0.53
Salt	Salt	202.69	50_year	TRWithprj	130000.00	958.23	967.91	966.01	968.81	0.002010	7.74	18161.83	2909.81	0.53
Salt	Salt	202.69	50_year	Preproj_Design	130000.00	958.23	967.91	966.01	968.81	0.002010	7.74	18161.83	2909.81	0.53
Salt	Salt	202.69	50_year	Withprj_Design	130000.00	958.23	967.91	966.01	968.81	0.002010	7.74	18161.83	2909.81	0.53
Salt	Salt	202.69	100_year	Preproj	162000.00	958.23	968.63	966.34	969.59	0.001936	8.15	22037.73	3542.00	0.53
Salt	Salt	202.69	100_year	TRWithprj	162000.00	958.23	968.63	966.34	969.59	0.001936	8.15	22037.73	3542.00	0.53
Salt	Salt	202.69	100_year	Preproj_Design	162000.00	958.23	968.63	966.34	969.59	0.001936	8.15	22037.52	3541.99	0.53
Salt	Salt	202.69	100_year	Withprj_Design	162000.00	958.23	968.63	966.34	969.59	0.001936	8.15	22037.52	3541.99	0.53
Salt	Salt	202.69	Typ Peak_year	Preproj	4400.00	958.23	962.36	960.83	962.50	0.001249	3.00	1466.86	1703.10	0.35
Salt	Salt	202.69	Typ Peak_year	TRWithprj	4400.00	958.23	962.36	960.83	962.50	0.001249	3.00	1466.86	1703.10	0.35
Salt	Salt	202.69	Typ Peak_year	Preproj_Design	4400.00	958.23	962.36	960.83	962.50	0.001249	3.00	1466.86	1703.10	0.35
Salt	Salt	202.69	Typ Peak_year	Withprj_Design	4400.00	958.23	962.36	960.83	962.50	0.001249	3.00	1466.86	1703.10	0.35
Salt	Salt	202.61	5_year	Preproj	19500.00	955.76	964.72	963.05	965.20	0.002158	5.56	3506.03	2815.28	0.50
Salt	Salt	202.61	5_year	TRWithprj	19500.00	955.76	964.72	963.05	965.20	0.002158	5.56	3506.03	2815.28	0.50
Salt	Salt	202.61	5_year	Preproj_Design	19500.00	955.76	964.72	963.05	965.20	0.002158	5.56	3506.03	2815.28	0.50
Salt	Salt	202.61	5_year	Withprj_Design	19500.00	955.76	964.72	963.05	965.20	0.002158	5.56	3506.03	2815.28	0.50
Salt	Salt	202.61	10_year	Preproj	49000.00	955.76	965.00	965.00	965.21	0.000847	3.65	13568.38	2843.80	0.32
Salt	Salt	202.61	10_year	TRWithprj	49000.00	955.76	965.00	965.00	965.21	0.000847	3.65	13568.38	2843.80	0.32
Salt	Salt	202.61	10_year	Preproj_Design	49000.00	955.76	965.00	965.00	965.21	0.000847	3.65	13568.38	2843.80	0.32
Salt	Salt	202.61	10_year	Withprj_Design	49000.00	955.76	965.00	965.00	965.21	0.000847	3.65	13568.38	2843.80	0.32
Salt	Salt	202.61	20_year	Preproj	82000.00	955.76	965.67	965.01	966.13	0.001528	5.44	15263.65	2880.18	0.44
Salt	Salt	202.61	20_year	TRWithprj	82000.00	955.76	965.67	965.01	966.13	0.001528	5.44	15263.50	2880.18	0.44
Salt	Salt	202.61	20_year	Preproj_Design	82000.00	955.76	965.67	965.01	966.13	0.001528	5.44	15263.50	2880.18	0.44
Salt	Salt	202.61	20_year	Withprj_Design	82000.00	955.76	965.67	965.01	966.13	0.001528	5.44	15263.50	2880.18	0.44
Salt	Salt	202.61	50_year	Preproj	130000.00	955.76	967.41	965.01	968.00	0.001548	6.74	21338.14	3139.86	0.47
Salt	Salt	202.61	50_year	TRWithprj	130000.00	955.76	967.41	965.01	968.00	0.001548	6.74	21337.95	3139.84	0.47
Salt	Salt	202.61	50_year	Preproj_Design	130000.00	955.76	967.41	965.01	968.00	0.001548	6.74	21337.95	3139.84	0.47
Salt	Salt	202.61	50_year	Withprj_Design	130000.00	955.76	967.41	965.01	968.00	0.001548	6.74	21337.95	3139.84	0.47
Salt	Salt	202.61	100_year	Preproj	162000.00	955.76	968.00	965.00	968.77	0.001777	7.66	23374.06	3630.00	0.51
Salt	Salt	202.61	100_year	TRWithprj	162000.00	955.76	968.00	965.00	968.77	0.001777	7.66	23374.06	3630.00	0.51
Salt	Salt	202.61	100_year	Preproj_Design	162000.00	955.76	968.00	965.00	968.77	0.001778	7.66	23373.84	3629.97	0.51
Salt	Salt	202.61	100_year	Withprj_Design	162000.00	955.76	968.00	965.00	968.77	0.001778	7.66	23373.84	3629.97	0.51
Salt	Salt	202.61	Typ Peak_year	Preproj	4400.00	955.76	961.08	960.51	961.54	0.005322	5.40	815.10	1637.57	0.70
Salt	Salt	202.61	Typ Peak_year	TRWithprj	4400.00	955.76	961.08	960.51	961.54	0.005322	5.40	815.10	1637.57	0.70
Salt	Salt	202.61	Typ Peak_year	Preproj_Design	4400.00	955.76	961.08	960.51	961.54	0.005322	5.40	815.10	1637.57	0.70
Salt	Salt	202.61	Typ Peak_year	Withprj_Design	4400.00	955.76	961.08	960.51	961.54	0.005322	5.40	815.10	1637.57	0.70
Salt	Salt	202.54	5_year	Preproj	19500.00	953.49	963.93	961.65	964.36	0.002188	5.25	3711.27	2973.74	0.42
Salt	Salt	202.54	5_year	TRWithprj	19500.00	953.49	963.93	961.65	964.36	0.002188	5.25	3711.32	2973.74	0.42
Salt	Salt	202.54	5_year	Preproj_Design	19500.00	953.49	963.93	961.65	964.36	0.002188	5.25	3711.27	2973.74	0.42
Salt	Salt	202.54	5_year	Withprj_Design	19500.00	953.49	963.93	961.65	964.36	0.002188	5.25	3711.32	2973.74	0.42
Salt	Salt	202.54	10_year	Preproj	49000.00	953.49	964.30	964.30	964.50	0.000717	3.25	14386.39	3011.57	0.25
Salt	Salt	202.54	10_year	TRWithprj	49000.00	953.49	964.30	964.30	964.50	0.000717	3.25	14386.39	3011.57	0.25
Salt	Salt	202.54	10_year	Preproj_Design	49000.00	953.49	964.30	964.30	964.50	0.000717	3.25	14386.39	3011.57	0.25
Salt	Salt	202.54	10_year	Withprj_Design	49000.00	953.49	964.30	964.30	964.50	0.000717	3.25	14386.39	3011.57	0.25
Salt	Salt	202.54	20_year	Preproj	82000.00	953.49	965.19	964.31	965.59	0.001247	4.94	16746.10	3072.55	0.35
Salt	Salt	202.54	20_year	TRWithprj	82000.00	953.49	965.19	964.31	965.59	0.001247	4.94	16745.94	3072.55	0.35
Salt	Salt	202.54	20_year	Preproj_Design	82000.00	953.49	965.19	964.31	965.59	0.001247	4.94	16745.94	3072.55	0.35
Salt	Salt	202.54	20_year	Withprj_Design	82000.00	953.49	965.19	964.31	965.59	0.001247	4.94	16745.94	3072.55	0.35
Salt	Salt	202.54	50_year	Preproj	130000.00	953.49	966.80	964.31	967.42	0.001495	6.48	21050.20	3490.04	0.41
Salt	Salt	202.54	50_year	TRWithprj	130000.00	953.49	966.80	964.31	967.42	0.001495	6.48	21050.03	3490.01	0.41
Salt	Salt	202.54	50_year	Preproj_Design	130000.00	953.49	966.80	964.31	967.42	0.001495	6.48	21049.87	3489.99	0.41
Salt	Salt	202.54	50_year	Withprj_Design	130000.00	953.49	966.80	964.31	967.42	0.001495	6.48	21049.87	3489.99	0.41
Salt	Salt	202.54	100_year	Preproj	162000.00	953.49	967.48	964.30	968.12	0.001453	6.85	25742.30	3673.49	0.42
Salt	Salt	202.54	100_year	TRWithprj	162000.00	953.49	967.48	964.30	968.12	0.001453	6.85	25742.08	3673.48	0.42
Salt	Salt	202.54	100_year	Preproj_Design	162000.00	953.49	967.48	964.30	968.12	0.001453	6.85	25741.86	3673.46	0.42
Salt	Salt	202.54	100_year	Withprj_Design	162000.00	953.49	967.48	964.30	968.12	0.001453	6.85	25741.86	3673.46	0.42
Salt	Salt	202.54	Typ Peak_year	Preproj	4400.00	953.49	960.38	957.46	960.54	0.001340	3.19	1378.93	1635.04	0.28
Salt	Salt	202.54	Typ Peak_year	TRWithprj	4400.00	953.49	960.38	957.46	960.54	0.001340	3.19	1378.93	1635.04	0.28
Salt	Salt	202.54	Typ Peak_year	Preproj_Design	4400.00	953.49	960.38	957.46	960.54	0.001340	3.19	1378.93	1635.04	0.28
Salt	Salt	202.54	Typ Peak_year	Withprj_Design	4400.00	953.49	960.38	957.46	960.54	0.001340	3.19	1378.93	1635.04	0.28
Salt	Salt	202.48	5_year	Preproj	19500.00	953.23	963.08	961.37	963.57	0.002771	5.60	3482.82	2617.09	0.49
Salt	Salt	202.48	5_year	TRWithprj	19500.00	953.23	963.08	961.37	963.57	0.002771	5.60	3482.93	2617.14	0.49
Salt	Salt	202.48	5_year	Preproj_Design	19500.00	953.23	963.08	961.37	963.57	0.002771	5.60	3482.82	2617.09	0.49
Salt	Salt	202.48	5_year	Withprj_Design	19500.00	953.23	963.08	961.37	963.57	0.002771	5.60	3482.93	2617.14	0.49
Salt	Salt	202.48	10_year	Preproj	49000.00	953.23	963.27	963.20	963.54	0.000852	3.23	12233.15	2678.03	0.28
Salt	Salt	202.48	10_year	TRWithprj	49000.00	953.23	963.27	963.20	963.54	0.000852	3.23	12233.15	2678.03	0.28
Salt	Salt	202.48	10_year	Preproj_Design	49000.00	953.23	963.27	963.20	963.54	0.000852	3.23	12233.15	2678.03	0.28
Salt	Salt	202.48	10_year	Withprj_Design	49000.00	953.23	963.27	963.20	963.54	0.000852	3.23	12233.15	2678.03	0.28
Salt	Salt	202.48	20_year	Preproj	82000.00	953.23	964.81	963.21	965.21	0.001323	4.89	16167.21	3326.62	0.36
Salt	Salt	202.48	20_year	TRWithprj	82000.00	953.23	964.81	963.21	965.21	0.001323	4.89	16167.05	3326.61	0.36
Salt	Salt	202.48	20_year	Preproj_Design	82000.00	953.23	964.81	963.21	965.21	0.001323	4.89	16167.05	3326.61	0.36
Salt	Salt	202.48	20_year	Withprj_Design	82000.00	953.23	964.81	963.21	965.21	0.001323	4.89	16167.05	3326.61	0.36
Salt	Salt	202.48	50_year	Preproj	130000.00	953.23	966.32	963.20	966.96	0.001655	6.41	20314.92	3657.09	0.42
Salt	Salt	202.48	50_year	TRWithprj	130000.00	953.23	966.32	963.20	966.96	0.001655	6.41	20314.75	3657.09	0.42
Salt	Salt	202.48	50_year	Preproj_Design	130000.00	953.23	966.32	963.20	966.96	0.001655	6.41	20314.58	3657.08	0.42
Salt	Salt	202.48	50_year	Withprj_Design	130000.00	953.23	966.32	963.20	966.96	0.001655	6.41	20314.58	3657.08	0.42
Salt	Salt	202.48	100_year	Preproj	162000.00	953.23	967.00	963.64	967.65	0.001553	6.67	25342.86	3720.12	0.42
Salt	Salt	202.48	100_year	TRWithprj	162000.00	953.23	967.00	963.64	967.65	0.001553	6.67	25342.63	3720.11	0.42
Salt	Salt	202.48	100_year	Preproj_Design	162000.00	953.23	967.00	963.64	967.65	0.001554	6.67	25342.18	3720.10	0.42
Salt	Salt	202.48	100_year	Withprj_Design	162000.00	953.23	967.00	963.64	967.65	0.001554	6.67	25342.40	3720.11	0.42
Salt	Salt	202.48	Typ Peak_year	Preproj	4400.00	953.23	959.63	958.02	959.91	0.003037	4.26	1032.90	1603.99	0.50
Salt	Salt	202.48	Typ Peak_year	TRWithprj	4400.00	953.23	959.63	958.02	959.91	0.003037	4.26	1032.90	1603.99	0.50

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	202.48	Typ Peak_year	Preproj_Design	4400.00	953.23	959.63	958.02	959.91	0.003037	4.26	1032.90	1603.99	0.50
Salt	Salt	202.48	Typ Peak_year	Withprj_Design	4400.00	953.23	959.63	958.02	959.91	0.003037	4.26	1032.90	1603.99	0.50
Salt	Salt	202.4	5_year	Preproj	19500.00	952.19	961.98	959.31	962.34	0.002775	4.80	4066.37	2676.81	0.37
Salt	Salt	202.4	5_year	TRWithprj	19500.00	952.19	961.98	959.31	962.34	0.002775	4.80	4066.56	2676.92	0.37
Salt	Salt	202.4	5_year	Preproj_Design	19500.00	952.19	961.98	959.31	962.34	0.002775	4.80	4066.37	2676.81	0.37
Salt	Salt	202.4	5_year	Withprj_Design	19500.00	952.19	961.98	959.31	962.34	0.002775	4.80	4066.56	2676.92	0.37
Salt	Salt	202.4	10_year	Preproj	49000.00	952.19	962.88	961.76	963.10	0.001110	3.51	13519.18	2992.25	0.25
Salt	Salt	202.4	10_year	TRWithprj	49000.00	952.19	962.88	961.76	963.10	0.001110	3.51	13519.18	2992.25	0.25
Salt	Salt	202.4	10_year	Preproj_Design	49000.00	952.19	962.88	961.76	963.10	0.001110	3.51	13519.18	2992.25	0.25
Salt	Salt	202.4	10_year	Withprj_Design	49000.00	952.19	962.88	961.76	963.10	0.001110	3.51	13519.18	2992.25	0.25
Salt	Salt	202.4	20_year	Preproj	82000.00	952.19	964.21	962.21	964.58	0.001543	5.00	17200.95	3316.38	0.32
Salt	Salt	202.4	20_year	TRWithprj	82000.00	952.19	964.21	962.21	964.58	0.001543	5.00	17200.78	3316.37	0.32
Salt	Salt	202.4	20_year	Preproj_Design	82000.00	952.19	964.21	962.21	964.58	0.001543	5.00	17200.78	3316.37	0.32
Salt	Salt	202.4	20_year	Withprj_Design	82000.00	952.19	964.21	962.21	964.58	0.001543	5.00	17200.78	3316.37	0.32
Salt	Salt	202.4	50_year	Preproj	130000.00	952.19	965.57	962.20	966.19	0.001856	6.41	21122.80	3732.06	0.38
Salt	Salt	202.4	50_year	TRWithprj	130000.00	952.19	965.57	962.20	966.19	0.001856	6.41	21122.62	3732.05	0.38
Salt	Salt	202.4	50_year	Preproj_Design	130000.00	952.19	965.57	962.20	966.19	0.001856	6.41	21122.45	3732.05	0.38
Salt	Salt	202.4	50_year	Withprj_Design	130000.00	952.19	965.57	962.20	966.19	0.001856	6.41	21122.45	3732.05	0.38
Salt	Salt	202.4	100_year	Preproj	162000.00	952.19	966.31	962.75	966.95	0.001689	6.69	26037.14	3788.32	0.38
Salt	Salt	202.4	100_year	TRWithprj	162000.00	952.19	966.31	962.75	966.95	0.001689	6.69	26036.67	3788.31	0.38
Salt	Salt	202.4	100_year	Preproj_Design	162000.00	952.19	966.31	962.75	966.95	0.001689	6.69	26035.96	3788.31	0.38
Salt	Salt	202.4	100_year	Withprj_Design	162000.00	952.19	966.31	962.75	966.95	0.001689	6.69	26036.44	3788.31	0.38
Salt	Salt	202.4	Typ Peak_year	Preproj	4400.00	952.19	957.58	956.78	957.88	0.008354	4.40	999.44	1270.24	0.55
Salt	Salt	202.4	Typ Peak_year	TRWithprj	4400.00	952.19	957.58	956.78	957.88	0.008354	4.40	999.44	1270.24	0.55
Salt	Salt	202.4	Typ Peak_year	Preproj_Design	4400.00	952.19	957.58	956.78	957.88	0.008354	4.40	999.44	1270.24	0.55
Salt	Salt	202.4	Typ Peak_year	Withprj_Design	4400.00	952.19	957.58	956.78	957.88	0.008354	4.40	999.44	1270.24	0.55
Salt	Salt	202.32	5_year	Preproj	19500.00	950.65	961.81	956.73	961.93	0.000369	2.79	6994.41	3094.29	0.18
Salt	Salt	202.32	5_year	TRWithprj	19500.00	950.65	961.81	956.73	961.93	0.000369	2.79	6994.64	3094.42	0.18
Salt	Salt	202.32	5_year	Preproj_Design	19500.00	950.65	961.81	956.73	961.93	0.000369	2.79	6994.41	3094.29	0.18
Salt	Salt	202.32	5_year	Withprj_Design	19500.00	950.65	961.81	956.73	961.93	0.000369	2.79	6994.64	3094.42	0.18
Salt	Salt	202.32	10_year	Preproj	49000.00	950.65	962.59	958.74	962.77	0.000530	3.64	14653.04	3386.49	0.22
Salt	Salt	202.32	10_year	TRWithprj	49000.00	950.65	962.59	958.74	962.77	0.000530	3.64	14653.04	3386.49	0.22
Salt	Salt	202.32	10_year	Preproj_Design	49000.00	950.65	962.59	958.74	962.77	0.000530	3.64	14653.04	3386.49	0.22
Salt	Salt	202.32	10_year	Withprj_Design	49000.00	950.65	962.59	958.74	962.77	0.000530	3.64	14653.04	3386.49	0.22
Salt	Salt	202.32	20_year	Preproj	82000.00	950.65	963.76	960.54	964.10	0.000820	5.09	17862.18	3670.31	0.29
Salt	Salt	202.32	20_year	TRWithprj	82000.00	950.65	963.76	960.54	964.10	0.000820	5.09	17862.01	3670.30	0.29
Salt	Salt	202.32	20_year	Preproj_Design	82000.00	950.65	963.76	960.54	964.10	0.000820	5.09	17862.01	3670.30	0.29
Salt	Salt	202.32	20_year	Withprj_Design	82000.00	950.65	963.76	960.54	964.10	0.000820	5.09	17862.01	3670.30	0.29
Salt	Salt	202.32	50_year	Preproj	130000.00	950.65	965.12	962.01	965.60	0.000931	6.10	23573.51	4048.92	0.33
Salt	Salt	202.32	50_year	TRWithprj	130000.00	950.65	965.12	962.01	965.60	0.000931	6.10	23573.32	4048.89	0.33
Salt	Salt	202.32	50_year	Preproj_Design	130000.00	950.65	965.12	962.01	965.60	0.000931	6.10	23572.95	4048.83	0.33
Salt	Salt	202.32	50_year	Withprj_Design	130000.00	950.65	965.12	962.01	965.60	0.000931	6.10	23573.14	4048.86	0.33
Salt	Salt	202.32	100_year	Preproj	162000.00	950.65	965.88	962.01	966.39	0.000913	6.47	29364.69	4287.25	0.34
Salt	Salt	202.32	100_year	TRWithprj	162000.00	950.65	965.88	962.01	966.39	0.000913	6.47	29364.17	4287.25	0.34
Salt	Salt	202.32	100_year	Preproj_Design	162000.00	950.65	965.88	962.01	966.39	0.000914	6.47	29363.12	4287.24	0.34
Salt	Salt	202.32	100_year	Withprj_Design	162000.00	950.65	965.88	962.01	966.39	0.000913	6.47	29363.64	4287.25	0.34
Salt	Salt	202.32	Typ Peak_year	Preproj	4400.00	950.65	957.03	955.13	957.08	0.000712	1.75	2510.88	1534.75	0.19
Salt	Salt	202.32	Typ Peak_year	TRWithprj	4400.00	950.65	957.03	955.13	957.08	0.000712	1.75	2510.88	1534.75	0.19
Salt	Salt	202.32	Typ Peak_year	Preproj_Design	4400.00	950.65	957.03	955.13	957.08	0.000712	1.75	2510.88	1534.75	0.19
Salt	Salt	202.32	Typ Peak_year	Withprj_Design	4400.00	950.65	957.03	955.13	957.08	0.000712	1.75	2510.88	1534.75	0.19
Salt	Salt	202.24	5_year	Preproj	19500.00	948.09	961.50	955.42	961.63	0.002221	2.89	6749.64	2874.37	0.19
Salt	Salt	202.24	5_year	TRWithprj	19500.00	948.09	961.50	955.42	961.63	0.002220	2.89	6749.87	2874.49	0.19
Salt	Salt	202.24	5_year	Preproj_Design	19500.00	948.09	961.50	955.42	961.63	0.002221	2.89	6749.64	2874.37	0.19
Salt	Salt	202.24	5_year	Withprj_Design	19500.00	948.09	961.50	955.42	961.63	0.002220	2.89	6749.87	2874.49	0.19
Salt	Salt	202.24	10_year	Preproj	49000.00	948.09	962.17	958.06	962.43	0.001401	2.74	13535.69	3103.68	0.17
Salt	Salt	202.24	10_year	TRWithprj	49000.00	948.09	962.17	958.06	962.43	0.001401	2.74	13535.69	3103.68	0.17
Salt	Salt	202.24	10_year	Preproj_Design	49000.00	948.09	962.17	958.06	962.43	0.001401	2.74	13535.69	3103.68	0.17
Salt	Salt	202.24	10_year	Withprj_Design	49000.00	948.09	962.17	958.06	962.43	0.001401	2.74	13535.69	3103.68	0.17
Salt	Salt	202.24	20_year	Preproj	82000.00	948.09	963.13	960.29	963.60	0.002018	4.16	16052.41	3580.55	0.25
Salt	Salt	202.24	20_year	TRWithprj	82000.00	948.09	963.13	960.29	963.60	0.002019	4.16	16052.07	3580.44	0.25
Salt	Salt	202.24	20_year	Preproj_Design	82000.00	948.09	963.13	960.29	963.60	0.002019	4.16	16052.07	3580.44	0.25
Salt	Salt	202.24	20_year	Withprj_Design	82000.00	948.09	963.13	960.29	963.60	0.002019	4.16	16052.07	3580.44	0.25
Salt	Salt	202.24	50_year	Preproj	130000.00	948.09	964.49	961.77	965.04	0.002216	5.52	22019.46	4183.91	0.30
Salt	Salt	202.24	50_year	TRWithprj	130000.00	948.09	964.49	961.77	965.04	0.002216	5.52	22019.22	4183.90	0.30
Salt	Salt	202.24	50_year	Preproj_Design	130000.00	948.09	964.49	961.77	965.04	0.002216	5.52	22018.53	4183.89	0.30
Salt	Salt	202.24	50_year	Withprj_Design	130000.00	948.09	964.49	961.77	965.04	0.002216	5.52	22018.76	4183.90	0.30
Salt	Salt	202.24	100_year	Preproj	162000.00	948.09	965.22	961.80	965.85	0.002048	6.19	25674.11	4206.05	0.33
Salt	Salt	202.24	100_year	TRWithprj	162000.00	948.09	965.22	961.80	965.85	0.002049	6.19	25673.12	4206.04	0.33
Salt	Salt	202.24	100_year	Preproj_Design	162000.00	948.09	965.22	961.80	965.85	0.002049	6.19	25671.89	4206.04	0.33
Salt	Salt	202.24	100_year	Withprj_Design	162000.00	948.09	965.22	961.80	965.85	0.002049	6.19	25672.63	4206.04	0.33
Salt	Salt	202.24	Typ Peak_year	Preproj	4400.00	948.09	956.54	952.91	956.58	0.002688	1.60	2750.01	1187.24	0.14
Salt	Salt	202.24	Typ Peak_year	TRWithprj	4400.00	948.09	956.54	952.91	956.58	0.002688	1.60	2750.01	1187.24	0.14
Salt	Salt	202.24	Typ Peak_year	Preproj_Design	4400.00	948.09	956.54	952.91	956.58	0.002688	1.60	2750.01	1187.24	0.14
Salt	Salt	202.24	Typ Peak_year	Withprj_Design	4400.00	948.09	956.54	952.91	956.58	0.002688	1.60	2750.01	1187.24	0.14
Salt	Salt	202.18	5_year	Preproj	19500.00	946.86	960.63	953.68	960.76	0.002876	2.94	6622.86	2859.93	0.17
Salt	Salt	202.18	5_year	TRWithprj	19500.00	946.86	960.63	953.68	960.76	0.002876	2.94	6623.07	2860.07	0.17
Salt	Salt	202.18	5_year	Preproj_Design	19500.00	946.86	960.63	953.68	960.76	0.002876	2.94	6622.86	2859.93	0.17
Salt	Salt	202.18	5_year	Withprj_Design	19500.00	946.86	960.63	953.68	960.76	0.002876	2.94	6623.07	2860.07	0.17
Salt	Salt	202.18	10_year	Preproj	49000.00	946.86	961.06	956.38	961.51	0.006763	5.34	9129.43	2950.20	0.30
Salt	Salt	202.18	10_year	TRWithprj	49000.00	946.86	961.06	956.38	961.51	0.006763	5.34	9129.43	2950.20	0.30
Salt	Salt	202.18	10_year	Preproj_Design	49000.00	946.86	961.06	956.38	961.51	0.006763	5.34	9129.43	2950.20	0.30
Salt	Salt	202.18	10_year	Withprj_Design	49000.00	946.86	961.06	956.38	961.51	0.006763	5.34	9129.43	2950.20	0.30
Salt	Salt	202.18	20_year	Preproj	82000.00	946.86	962.48	958.65	962.94	0.001825	3.70	17159.73	3487.26	0.19
Salt	Salt	202.18	20_year	TRWithprj	82000.00	946.86	962.48	958.65	962.94	0.001825	3.70	17159.40	3487.23	0.19
Salt	Salt	202.18	20_year	Preproj_Design	82000.00	946.86	962.48	958.65	962.94	0.001825	3.70	17159.40	3487.23	0.19
Salt	Salt	202.18	20_year	Withprj_Design	82000.00	946.86	962.48	958.65	962.94	0.001825	3.70	17159.40	3487.23	0.19
Salt	Salt	202.18	50_year	Preproj	130000.00	946.86	963.40	961.12	964.20	0.002617	5.51	19715.10	3878.25	0.28
Salt	Salt	202.18	50_year	TRWithprj	130000.00	946.86	963.40	961.12	964.20	0.002617	5.51	19714.92	3878.21	0.28
Salt	Salt	202.18	50_year	Preproj_Design	130000.00	946.86	963.40	961.12	964.20	0.002617	5.51	19714.05	3878.04	0.28
Salt	Salt	202.18	50_year	Withprj_Design	130000.00	946.86	963.40	961.12	964.20	0.002617	5.51	19714.40	3878.11	0.28
Salt	Salt	202.18	100_year	Preproj	162000.00	946.86	964.01	961.12	964.98	0.002919	6.88	21479.08	4045.79	0.34
Salt	Salt	202.18	100_year	TRWithprj	162000.00	946.86	964.01	961.12	964.98	0.002920	6.88	21477.68	4045.72	0.34
Salt	Salt	202.18	100_year	Preproj_Design	162000.00	946.86	964.01	961.12	964.98	0.002920	6.89	21476.10	4045.65	0.34
Salt	Salt	202.18	100_year	Withprj_Design	162000.00	946.86	964.01	961.12	964.98	0.002920	6.89	21476.98	4045.69	0.34
Salt	Salt	202.18	Typ Peak_year	Preproj	4400.00	946.86	955.83	950.16	955.85	0.001686	1.32	3320.76	1138.91	0.11

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	202.18	Typ Peak_year	TRWithprj	4400.00	946.86	955.83	950.16	955.85	0.001686	1.32	3320.76	1138.91	0.11
Salt	Salt	202.18	Typ Peak_year	Preproj_Design	4400.00	946.86	955.83	950.16	955.85	0.001686	1.32	3320.76	1138.91	0.11
Salt	Salt	202.18	Typ Peak_year	Withprj_Design	4400.00	946.86	955.83	950.16	955.85	0.001686	1.32	3320.76	1138.91	0.11
Salt	Salt	202.11	5_year	Preproj	19500.00	948.26	959.75	953.75	959.90	0.002043	3.09	6320.85	2817.77	0.19
Salt	Salt	202.11	5_year	TRWithprj	19500.00	948.26	959.75	953.75	959.90	0.002042	3.08	6321.17	2817.80	0.19
Salt	Salt	202.11	5_year	Preproj_Design	19500.00	948.26	959.75	953.75	959.90	0.002043	3.09	6320.85	2817.77	0.19
Salt	Salt	202.11	5_year	Withprj_Design	19500.00	948.26	959.75	953.75	959.90	0.002042	3.08	6321.17	2817.80	0.19
Salt	Salt	202.11	10_year	Preproj	49000.00	948.26	960.63	956.33	960.85	0.001135	2.72	14335.26	3079.50	0.16
Salt	Salt	202.11	10_year	TRWithprj	49000.00	948.26	960.63	956.33	960.85	0.001135	2.72	14335.26	3079.50	0.16
Salt	Salt	202.11	10_year	Preproj_Design	49000.00	948.26	960.63	956.33	960.85	0.001135	2.72	14335.26	3079.50	0.16
Salt	Salt	202.11	10_year	Withprj_Design	49000.00	948.26	960.63	956.33	960.85	0.001135	2.72	14335.26	3079.50	0.16
Salt	Salt	202.11	20_year	Preproj	82000.00	948.26	961.98	958.48	962.35	0.001377	3.79	18012.80	3509.33	0.20
Salt	Salt	202.11	20_year	TRWithprj	82000.00	948.26	961.98	958.48	962.35	0.001377	3.79	18012.47	3509.28	0.20
Salt	Salt	202.11	20_year	Preproj_Design	82000.00	948.26	961.98	958.48	962.35	0.001377	3.79	18012.47	3509.28	0.20
Salt	Salt	202.11	20_year	Withprj_Design	82000.00	948.26	961.98	958.48	962.35	0.001377	3.79	18012.47	3509.28	0.20
Salt	Salt	202.11	50_year	Preproj	130000.00	948.26	962.53	959.91	963.30	0.002399	5.85	19542.03	3695.71	0.31
Salt	Salt	202.11	50_year	TRWithprj	130000.00	948.26	962.53	959.91	963.30	0.002399	5.85	19541.52	3695.66	0.31
Salt	Salt	202.11	50_year	Preproj_Design	130000.00	948.26	962.53	959.91	963.29	0.002400	5.85	19540.17	3695.55	0.31
Salt	Salt	202.11	50_year	Withprj_Design	130000.00	948.26	962.53	959.91	963.29	0.002399	5.85	19540.84	3695.61	0.31
Salt	Salt	202.11	100_year	Preproj	162000.00	948.26	963.15	960.16	964.00	0.002427	6.77	22886.23	3871.04	0.35
Salt	Salt	202.11	100_year	TRWithprj	162000.00	948.26	963.14	960.16	964.00	0.002428	6.77	22883.23	3870.95	0.35
Salt	Salt	202.11	100_year	Preproj_Design	162000.00	948.26	963.14	960.16	964.00	0.002429	6.77	22879.81	3870.85	0.35
Salt	Salt	202.11	100_year	Withprj_Design	162000.00	948.26	963.14	960.16	964.00	0.002428	6.77	22881.52	3870.90	0.35
Salt	Salt	202.11	Typ Peak_year	Preproj	4400.00	948.26	955.22	950.93	955.26	0.001641	1.47	2992.99	1131.75	0.13
Salt	Salt	202.11	Typ Peak_year	TRWithprj	4400.00	948.26	955.22	950.93	955.26	0.001641	1.47	2992.99	1131.75	0.13
Salt	Salt	202.11	Typ Peak_year	Preproj_Design	4400.00	948.26	955.22	950.93	955.26	0.001641	1.47	2992.99	1131.75	0.13
Salt	Salt	202.11	Typ Peak_year	Withprj_Design	4400.00	948.26	955.22	950.93	955.26	0.001641	1.47	2992.99	1131.75	0.13
Salt	Salt	202.06	5_year	Preproj	19500.00	947.33	959.25	953.31	959.38	0.002042	2.88	6781.72	3090.96	0.18
Salt	Salt	202.06	5_year	TRWithprj	19500.00	947.33	959.25	953.31	959.38	0.002041	2.88	6782.20	3091.13	0.18
Salt	Salt	202.06	5_year	Preproj_Design	19500.00	947.33	959.25	953.31	959.38	0.002042	2.88	6781.72	3090.96	0.18
Salt	Salt	202.06	5_year	Withprj_Design	19500.00	947.33	959.25	953.31	959.38	0.002041	2.88	6782.20	3091.13	0.18
Salt	Salt	202.06	10_year	Preproj	49000.00	947.33	960.43	955.94	960.61	0.000698	2.08	17532.11	3323.34	0.12
Salt	Salt	202.06	10_year	TRWithprj	49000.00	947.33	960.43	955.94	960.61	0.000698	2.08	17532.11	3323.34	0.12
Salt	Salt	202.06	10_year	Preproj_Design	49000.00	947.33	960.43	955.94	960.61	0.000698	2.08	17532.11	3323.34	0.12
Salt	Salt	202.06	10_year	Withprj_Design	49000.00	947.33	960.43	955.94	960.61	0.000698	2.08	17532.11	3323.34	0.12
Salt	Salt	202.06	20_year	Preproj	82000.00	947.33	961.73	957.97	962.04	0.000923	3.04	21217.92	3494.38	0.17
Salt	Salt	202.06	20_year	TRWithprj	82000.00	947.33	961.72	957.97	962.04	0.000923	3.04	21217.57	3494.35	0.17
Salt	Salt	202.06	20_year	Preproj_Design	82000.00	947.33	961.72	957.97	962.04	0.000923	3.04	21217.57	3494.35	0.17
Salt	Salt	202.06	20_year	Withprj_Design	82000.00	947.33	961.72	957.97	962.04	0.000923	3.04	21217.57	3494.35	0.17
Salt	Salt	202.06	50_year	Preproj	130000.00	947.33	962.30	959.71	962.79	0.001181	4.05	25902.28	3653.09	0.22
Salt	Salt	202.06	50_year	TRWithprj	130000.00	947.33	962.30	959.71	962.79	0.001181	4.05	25901.67	3653.05	0.22
Salt	Salt	202.06	50_year	Preproj_Design	130000.00	947.33	962.30	959.71	962.79	0.001181	4.05	25899.61	3652.93	0.22
Salt	Salt	202.06	50_year	Withprj_Design	130000.00	947.33	962.30	959.71	962.79	0.001181	4.05	25900.64	3652.99	0.22
Salt	Salt	202.06	100_year	Preproj	162000.00	947.33	962.87	959.71	963.47	0.001320	4.92	28505.11	3898.71	0.26
Salt	Salt	202.06	100_year	TRWithprj	162000.00	947.33	962.87	959.71	963.47	0.001320	4.92	28501.30	3897.68	0.26
Salt	Salt	202.06	100_year	Preproj_Design	162000.00	947.33	962.87	959.71	963.47	0.001321	4.92	28496.78	3896.46	0.26
Salt	Salt	202.06	100_year	Withprj_Design	162000.00	947.33	962.87	959.71	963.47	0.001321	4.92	28498.92	3897.04	0.26
Salt	Salt	202.06	Typ Peak_year	Preproj	4400.00	947.33	954.74	950.66	954.77	0.002280	1.49	2955.27	1841.63	0.14
Salt	Salt	202.06	Typ Peak_year	TRWithprj	4400.00	947.33	954.74	950.66	954.77	0.002280	1.49	2955.27	1841.63	0.14
Salt	Salt	202.06	Typ Peak_year	Preproj_Design	4400.00	947.33	954.74	950.66	954.77	0.002280	1.49	2955.27	1841.63	0.14
Salt	Salt	202.06	Typ Peak_year	Withprj_Design	4400.00	947.33	954.74	950.66	954.77	0.002280	1.49	2955.27	1841.63	0.14
Salt	Salt	202.01	5_year	Preproj	19500.00	946.85	958.79	952.48	958.90	0.001475	2.73	7147.04	2904.77	0.17
Salt	Salt	202.01	5_year	TRWithprj	19500.00	946.85	958.79	952.48	958.90	0.001475	2.73	7147.67	2904.86	0.17
Salt	Salt	202.01	5_year	Preproj_Design	19500.00	946.85	958.79	952.48	958.90	0.001475	2.73	7147.04	2904.77	0.17
Salt	Salt	202.01	5_year	Withprj_Design	19500.00	946.85	958.79	952.48	958.90	0.001475	2.73	7147.67	2904.86	0.17
Salt	Salt	202.01	10_year	Preproj	49000.00	946.85	960.04	955.04	960.34	0.001263	3.09	14538.11	3105.02	0.18
Salt	Salt	202.01	10_year	TRWithprj	49000.00	946.85	960.04	955.04	960.34	0.001263	3.09	14538.11	3105.02	0.18
Salt	Salt	202.01	10_year	Preproj_Design	49000.00	946.85	960.04	955.04	960.34	0.001263	3.09	14538.11	3105.02	0.18
Salt	Salt	202.01	10_year	Withprj_Design	49000.00	946.85	960.04	955.04	960.34	0.001263	3.09	14538.11	3105.02	0.18
Salt	Salt	202.01	20_year	Preproj	82000.00	946.85	961.15	957.02	961.67	0.001800	4.55	17255.52	3270.29	0.24
Salt	Salt	202.01	20_year	TRWithprj	82000.00	946.85	961.15	957.02	961.67	0.001800	4.55	17255.22	3270.26	0.24
Salt	Salt	202.01	20_year	Preproj_Design	82000.00	946.85	961.15	957.02	961.67	0.001800	4.55	17255.22	3270.26	0.24
Salt	Salt	202.01	20_year	Withprj_Design	82000.00	946.85	961.15	957.02	961.67	0.001800	4.55	17255.22	3270.26	0.24
Salt	Salt	202.01	50_year	Preproj	130000.00	946.85	961.62	959.02	962.38	0.001488	4.78	22742.02	3343.17	0.25
Salt	Salt	202.01	50_year	TRWithprj	130000.00	946.85	961.62	959.02	962.38	0.001488	4.78	22741.14	3343.15	0.25
Salt	Salt	202.01	50_year	Preproj_Design	130000.00	946.85	961.61	959.02	962.38	0.001489	4.78	22738.84	3343.10	0.25
Salt	Salt	202.01	50_year	Withprj_Design	130000.00	946.85	961.62	959.02	962.38	0.001489	4.78	22740.08	3343.13	0.25
Salt	Salt	202.01	100_year	Preproj	162000.00	946.85	962.32	959.73	963.07	0.001355	5.24	26844.13	3453.65	0.27
Salt	Salt	202.01	100_year	TRWithprj	162000.00	946.85	962.31	959.73	963.07	0.001355	5.24	26840.21	3453.49	0.27
Salt	Salt	202.01	100_year	Preproj_Design	162000.00	946.85	962.31	959.73	963.07	0.001356	5.24	26835.51	3453.29	0.27
Salt	Salt	202.01	100_year	Withprj_Design	162000.00	946.85	962.31	959.73	963.07	0.001356	5.24	26837.66	3453.38	0.27
Salt	Salt	202.01	Typ Peak_year	Preproj	4400.00	946.85	954.27	949.81	954.30	0.001337	1.32	3329.32	1558.17	0.11
Salt	Salt	202.01	Typ Peak_year	TRWithprj	4400.00	946.85	954.27	949.81	954.30	0.001337	1.32	3329.32	1558.17	0.11
Salt	Salt	202.01	Typ Peak_year	Preproj_Design	4400.00	946.85	954.27	949.81	954.30	0.001337	1.32	3329.32	1558.17	0.11
Salt	Salt	202.01	Typ Peak_year	Withprj_Design	4400.00	946.85	954.27	949.81	954.30	0.001337	1.32	3329.32	1558.17	0.11
Salt	Salt	201.96	5_year	Preproj	19500.00	946.20	958.33	952.43	958.44	0.002661	2.64	7380.12	2552.15	0.17
Salt	Salt	201.96	5_year	TRWithprj	19500.00	946.20	958.33	952.43	958.44	0.002659	2.64	7380.94	2552.24	0.17
Salt	Salt	201.96	5_year	Preproj_Design	19500.00	946.20	958.33	952.43	958.44	0.002661	2.64	7380.12	2552.15	0.17
Salt	Salt	201.96	5_year	Withprj_Design	19500.00	946.20	958.33	952.43	958.44	0.002659	2.64	7380.94	2552.24	0.17
Salt	Salt	201.96	10_year	Preproj	49000.00	946.20	959.25	954.85	959.71	0.007953	5.61	9472.59	2772.37	0.34
Salt	Salt	201.96	10_year	TRWithprj	49000.00	946.20	959.25	954.85	959.71	0.007953	5.61	9472.59	2772.37	0.34
Salt	Salt	201.96	10_year	Preproj_Design	49000.00	946.20	959.25	954.85	959.71	0.007953	5.61	9472.59	2772.37	0.34
Salt	Salt	201.96	10_year	Withprj_Design	49000.00	946.20	959.25	954.85	959.71	0.007953	5.61	9472.59	2772.37	0.34
Salt	Salt	201.96	20_year	Preproj	82000.00	946.20	960.44	956.71	961.17	0.002334	3.97	15917.74	3165.88	0.22
Salt	Salt	201.96	20_year	TRWithprj	82000.00	946.20	960.44	956.71	961.17	0.002334	3.97	15917.46	3165.85	0.22
Salt	Salt	201.96	20_year	Preproj_Design	82000.00	946.20	960.44	956.71	961.17	0.002334	3.97	15917.32	3165.83	0.22
Salt	Salt	201.96	20_year	Withprj_Design	82000.00	946.20	960.44	956.71	961.17	0.002334	3.97	15917.46	3165.85	0.22
Salt	Salt	201.96	50_year	Preproj	130000.00	946.20	960.73	959.19	961.89	0.002621	5.00	19074.11	3245.67	0.28
Salt	Salt	201.96	50_year	TRWithprj	130000.00	946.20	960.73	959.19	961.89	0.002621	5.00	19073.01	3245.58	0.28
Salt	Salt	201.96	50_year	Preproj_Design	130000.00	946.20	960.73	959.19	961.89	0.002623	5.00	19070.03	3245.33	0.28
Salt	Salt	201.96	50_year	Withprj_Design	130000.00	946.20	960.73	959.19	961.89	0.002622	5.00	19071.44	3245.45	0.28
Salt	Salt	201.96	100_year	Preproj	162000.00	946.20	961.60	959.27	962.66	0.002115	5.39	23272.39	3446.51	0.29
Salt	Salt	201.96	100_year	TRWithprj	162000.00	946.20	961.60	959.27	962.66	0.002116	5.39	23267.54	3446.36	0.29
Salt	Salt	201.96	100_year	Preproj_Design	162000.00	946.20	961.59	959.27	962.65	0.002118	5.39	23261.81	3446.19	0.29
Salt	Salt	201.96	100_year	Withprj_Design	162000.00	946.20	961.59	959.27	962.65	0.002117	5.39	23264.50	3446.27	0.29

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	201.96	Typ Peak_year	Preproj	4400.00	946.20	953.87	949.48	953.90	0.002138	1.37	3212.20	1582.08	0.12
Salt	Salt	201.96	Typ Peak_year	TRWithprj	4400.00	946.20	953.87	949.48	953.90	0.002138	1.37	3212.20	1582.08	0.12
Salt	Salt	201.96	Typ Peak_year	Preproj_Design	4400.00	946.20	953.87	949.48	953.90	0.002138	1.37	3212.20	1582.08	0.12
Salt	Salt	201.96	Typ Peak_year	Withprj_Design	4400.00	946.20	953.87	949.48	953.90	0.002138	1.37	3212.20	1582.08	0.12
Salt	Salt	201.89	5_year	Preproj	19500.00	946.82	957.37	952.19	957.50	0.002328	2.86	6816.19	2796.67	0.19
Salt	Salt	201.89	5_year	TRWithprj	19500.00	946.82	957.38	952.19	957.50	0.002327	2.86	6817.59	2796.81	0.19
Salt	Salt	201.89	5_year	Preproj_Design	19500.00	946.82	957.37	952.19	957.50	0.002328	2.86	6816.19	2796.67	0.19
Salt	Salt	201.89	5_year	Withprj_Design	19500.00	946.82	957.38	952.19	957.50	0.002327	2.86	6817.59	2796.81	0.19
Salt	Salt	201.89	10_year	Preproj	49000.00	946.82	958.70	954.47	959.06	0.000710	2.00	15061.71	2992.29	0.12
Salt	Salt	201.89	10_year	TRWithprj	49000.00	946.82	958.70	954.47	959.06	0.000710	2.00	15061.71	2992.29	0.12
Salt	Salt	201.89	10_year	Preproj_Design	49000.00	946.82	958.70	954.47	959.06	0.000710	2.00	15061.71	2992.29	0.12
Salt	Salt	201.89	10_year	Withprj_Design	49000.00	946.82	958.70	954.47	959.06	0.000710	2.00	15061.71	2992.29	0.12
Salt	Salt	201.89	20_year	Preproj	82000.00	946.82	959.92	956.31	960.57	0.001136	3.22	17634.11	3308.00	0.18
Salt	Salt	201.89	20_year	TRWithprj	82000.00	946.82	959.92	956.31	960.57	0.001136	3.22	17633.85	3307.99	0.18
Salt	Salt	201.89	20_year	Preproj_Design	82000.00	946.82	959.92	956.31	960.57	0.001136	3.22	17633.72	3307.98	0.18
Salt	Salt	201.89	20_year	Withprj_Design	82000.00	946.82	959.92	956.31	960.57	0.001136	3.22	17633.85	3307.99	0.18
Salt	Salt	201.89	50_year	Preproj	130000.00	946.82	960.44	957.59	961.17	0.001100	3.71	23545.02	3405.50	0.21
Salt	Salt	201.89	50_year	TRWithprj	130000.00	946.82	960.44	957.59	961.17	0.001101	3.71	23543.72	3405.36	0.21
Salt	Salt	201.89	50_year	Preproj_Design	130000.00	946.82	960.44	957.59	961.17	0.001101	3.71	23540.30	3405.00	0.21
Salt	Salt	201.89	50_year	Withprj_Design	130000.00	946.82	960.44	957.59	961.17	0.001101	3.71	23541.93	3405.17	0.21
Salt	Salt	201.89	100_year	Preproj	162000.00	946.82	961.41	957.87	962.06	0.000879	3.93	29375.01	3530.87	0.21
Salt	Salt	201.89	100_year	TRWithprj	162000.00	946.82	961.41	957.87	962.06	0.000879	3.93	29369.64	3530.43	0.21
Salt	Salt	201.89	100_year	Preproj_Design	162000.00	946.82	961.41	957.87	962.05	0.000880	3.93	29363.17	3530.07	0.21
Salt	Salt	201.89	100_year	Withprj_Design	162000.00	946.82	961.41	957.87	962.05	0.000879	3.93	29366.13	3530.24	0.21
Salt	Salt	201.89	Typ Peak_year	Preproj	4400.00	946.82	952.90	950.14	952.94	0.003097	1.62	2724.10	2026.86	0.16
Salt	Salt	201.89	Typ Peak_year	TRWithprj	4400.00	946.82	952.90	950.14	952.94	0.003097	1.62	2724.10	2026.86	0.16
Salt	Salt	201.89	Typ Peak_year	Preproj_Design	4400.00	946.82	952.90	950.14	952.94	0.003097	1.62	2724.10	2026.86	0.16
Salt	Salt	201.89	Typ Peak_year	Withprj_Design	4400.00	946.82	952.90	950.14	952.94	0.003097	1.62	2724.10	2026.86	0.16
Salt	Salt	201.81	5_year	Preproj	19500.00	945.11	956.82	951.60	956.96	0.000897	2.97	6560.91	2878.69	0.19
Salt	Salt	201.81	5_year	TRWithprj	19500.00	945.11	956.82	951.60	956.96	0.000896	2.97	6562.54	2878.99	0.19
Salt	Salt	201.81	5_year	Preproj_Design	19500.00	945.11	956.82	951.60	956.96	0.000897	2.97	6560.91	2878.69	0.19
Salt	Salt	201.81	5_year	Withprj_Design	19500.00	945.11	956.82	951.60	956.96	0.000896	2.97	6562.59	2879.00	0.19
Salt	Salt	201.81	10_year	Preproj	49000.00	945.11	958.54	953.81	958.75	0.000591	2.94	15331.24	3211.87	0.17
Salt	Salt	201.81	10_year	TRWithprj	49000.00	945.11	958.54	953.81	958.75	0.000591	2.94	15331.24	3211.87	0.17
Salt	Salt	201.81	10_year	Preproj_Design	49000.00	945.11	958.54	953.81	958.75	0.000591	2.94	15331.24	3211.87	0.17
Salt	Salt	201.81	10_year	Withprj_Design	49000.00	945.11	958.54	953.81	958.75	0.000591	2.94	15331.24	3211.87	0.17
Salt	Salt	201.81	20_year	Preproj	82000.00	945.11	959.66	955.75	960.08	0.000968	4.36	17812.51	3448.28	0.24
Salt	Salt	201.81	20_year	TRWithprj	82000.00	945.11	959.66	955.75	960.08	0.000968	4.36	17812.24	3448.25	0.24
Salt	Salt	201.81	20_year	Preproj_Design	82000.00	945.11	959.66	955.75	960.08	0.000968	4.36	17812.10	3448.23	0.24
Salt	Salt	201.81	20_year	Withprj_Design	82000.00	945.11	959.66	955.75	960.08	0.000968	4.36	17812.24	3448.25	0.24
Salt	Salt	201.81	50_year	Preproj	130000.00	945.11	960.15	957.09	960.71	0.000951	4.75	24106.88	3563.21	0.25
Salt	Salt	201.81	50_year	TRWithprj	130000.00	945.11	960.15	957.09	960.71	0.000951	4.75	24105.35	3563.15	0.25
Salt	Salt	201.81	50_year	Preproj_Design	130000.00	945.11	960.15	957.09	960.71	0.000951	4.75	24101.27	3562.99	0.25
Salt	Salt	201.81	50_year	Withprj_Design	130000.00	945.11	960.15	957.09	960.71	0.000951	4.75	24103.13	3563.07	0.25
Salt	Salt	201.81	100_year	Preproj	162000.00	945.11	961.13	957.09	961.68	0.000861	5.08	30274.03	3774.29	0.26
Salt	Salt	201.81	100_year	TRWithprj	162000.00	945.11	961.12	957.09	961.68	0.000862	5.09	30266.43	3773.68	0.26
Salt	Salt	201.81	100_year	Preproj_Design	162000.00	945.11	961.12	957.09	961.68	0.000863	5.09	30257.22	3772.93	0.26
Salt	Salt	201.81	100_year	Withprj_Design	162000.00	945.11	961.12	957.09	961.68	0.000862	5.09	30261.37	3773.26	0.26
Salt	Salt	201.81	Typ Peak_year	Preproj	4400.00	945.11	952.09	949.42	952.14	0.001434	1.74	2534.61	1740.54	0.17
Salt	Salt	201.81	Typ Peak_year	TRWithprj	4400.00	945.11	952.09	949.42	952.14	0.001434	1.74	2534.61	1740.54	0.17
Salt	Salt	201.81	Typ Peak_year	Preproj_Design	4400.00	945.11	952.09	949.42	952.14	0.001434	1.74	2534.61	1740.54	0.17
Salt	Salt	201.81	Typ Peak_year	Withprj_Design	4400.00	945.11	952.09	949.42	952.14	0.001434	1.74	2534.61	1740.54	0.17
Salt	Salt	201.7	5_year	Preproj	19500.00	945.11	956.33	951.83	956.57	0.000514	3.86	5046.10	2845.36	0.27
Salt	Salt	201.7	5_year	TRWithprj	19500.00	945.11	956.34	951.83	956.57	0.000513	3.86	5048.08	2845.82	0.27
Salt	Salt	201.7	5_year	Preproj_Design	19500.00	945.11	956.33	951.83	956.57	0.000514	3.86	5046.15	2845.37	0.27
Salt	Salt	201.7	5_year	Withprj_Design	19500.00	945.11	956.34	951.83	956.57	0.000513	3.86	5048.12	2845.83	0.27
Salt	Salt	201.7	10_year	Preproj	49000.00	945.11	958.03	954.85	958.37	0.000659	5.12	11380.53	3287.42	0.32
Salt	Salt	201.7	10_year	TRWithprj	49000.00	945.11	958.03	954.85	958.37	0.000659	5.12	11380.53	3287.42	0.32
Salt	Salt	201.7	10_year	Preproj_Design	49000.00	945.11	958.03	954.85	958.37	0.000659	5.12	11380.53	3287.42	0.32
Salt	Salt	201.7	10_year	Withprj_Design	49000.00	945.11	958.03	954.85	958.37	0.000659	5.12	11380.53	3287.42	0.32
Salt	Salt	201.7	20_year	Preproj	82000.00	945.11	958.57	956.36	959.37	0.001414	7.83	12416.65	3297.01	0.47
Salt	Salt	201.7	20_year	TRWithprj	82000.00	945.11	958.57	956.36	959.37	0.001414	7.83	12416.42	3297.01	0.47
Salt	Salt	201.7	20_year	Preproj_Design	82000.00	945.11	958.57	956.36	959.37	0.001414	7.83	12416.19	3297.01	0.47
Salt	Salt	201.7	20_year	Withprj_Design	82000.00	945.11	958.57	956.36	959.37	0.001414	7.83	12416.42	3297.01	0.47
Salt	Salt	201.7	50_year	Preproj	130000.00	945.11	959.45	957.21	960.09	0.001141	7.51	22917.24	3307.77	0.43
Salt	Salt	201.7	50_year	TRWithprj	130000.00	945.11	959.45	957.21	960.09	0.001142	7.51	22914.61	3307.76	0.43
Salt	Salt	201.7	50_year	Preproj_Design	130000.00	945.11	959.45	957.21	960.09	0.001143	7.51	22907.54	3307.74	0.43
Salt	Salt	201.7	50_year	Withprj_Design	130000.00	945.11	959.45	957.21	960.09	0.001142	7.51	22910.98	3307.75	0.43
Salt	Salt	201.7	100_year	Preproj	162000.00	945.11	960.28	958.53	961.05	0.001239	8.27	25669.19	3341.22	0.45
Salt	Salt	201.7	100_year	TRWithprj	162000.00	945.11	960.28	958.53	961.05	0.001241	8.27	25659.41	3341.18	0.45
Salt	Salt	201.7	100_year	Preproj_Design	162000.00	945.11	960.28	958.53	961.05	0.001242	8.28	25647.38	3341.12	0.45
Salt	Salt	201.7	100_year	Withprj_Design	162000.00	945.11	960.28	958.53	961.05	0.001241	8.28	25652.88	3341.15	0.45
Salt	Salt	201.7	Typ Peak_year	Preproj	4400.00	945.11	951.53	949.30	951.63	0.000580	2.62	1682.47	1143.48	0.26
Salt	Salt	201.7	Typ Peak_year	TRWithprj	4400.00	945.11	951.53	949.30	951.63	0.000580	2.62	1682.47	1143.48	0.26
Salt	Salt	201.7	Typ Peak_year	Preproj_Design	4400.00	945.11	951.53	949.30	951.63	0.000580	2.62	1682.47	1143.48	0.26
Salt	Salt	201.7	Typ Peak_year	Withprj_Design	4400.00	945.11	951.53	949.30	951.63	0.000580	2.62	1682.47	1143.48	0.26
Salt	Salt	201.62	5_year	Preproj	19500.00	944.97	956.15	951.46	956.35	0.000437	3.61	5417.90	3090.80	0.24
Salt	Salt	201.62	5_year	TRWithprj	19500.00	944.97	956.15	951.46	956.35	0.000436	3.60	5420.05	3092.04	0.24
Salt	Salt	201.62	5_year	Preproj_Design	19500.00	944.97	956.15	951.46	956.35	0.000437	3.60	5417.94	3090.83	0.24
Salt	Salt	201.62	5_year	Withprj_Design	19500.00	944.97	956.15	951.46	956.35	0.000436	3.60	5420.09	3092.07	0.24
Salt	Salt	201.62	10_year	Preproj	49000.00	944.97	956.94	954.07	957.86	0.001813	7.85	7371.79	3252.48	0.50
Salt	Salt	201.62	10_year	TRWithprj	49000.00	944.97	956.94	954.07	957.86	0.001813	7.85	7371.79	3252.48	0.50
Salt	Salt	201.62	10_year	Preproj_Design	49000.00	944.97	956.94	954.07	957.86	0.001813	7.85	7371.79	3252.48	0.50
Salt	Salt	201.62	10_year	Withprj_Design	49000.00	944.97	956.94	954.07	957.86	0.001813	7.85	7371.79	3252.48	0.50
Salt	Salt	201.62	20_year	Preproj	82000.00	944.97	957.71	956.30	958.65	0.001788	8.32	11828.93	3322.23	0.50
Salt	Salt	201.62	20_year	TRWithprj	82000.00	944.97	957.71	956.30	958.65	0.001788	8.32	11828.71	3322.22	0.50
Salt	Salt	201.62	20_year	Preproj_Design	82000.00	944.97	957.71	956.30	958.65	0.001788	8.32	11828.38	3322.20	0.50
Salt	Salt	201.62	20_year	Withprj_Design	82000.00	944.97	957.71	956.30	958.65	0.001788	8.32	11828.60	3322.21	0.50
Salt	Salt	201.62	50_year	Preproj	130000.00	944.97	959.01	957.32	959.59	0.000994	6.83	24863.65	3370.73	0.38
Salt	Salt	201.62	50_year	TRWithprj	130000.00	944.97	959.01	957.32	959.59	0.000994	6.83	24860.71	3370.72	0.38
Salt	Salt	201.62	50_year	Preproj_Design	130000.00	944.97	959.00	957.32	959.59	0.000995	6.83	24852.30	3370.71	0.38
Salt	Salt	201.62	50_year	Withprj_Design	130000.00	944.97	959.01	957.32	959.59	0.000995	6.83	24856.41	3370.72	0.38
Salt	Salt	201.62	100_year	Preproj	162000.00	944.97	959.77	957.70	960.50	0.001123	7.65	27323.79	3374.13	0.41
Salt	Salt	201.62	100_year	TRWithprj	162000.00	944.97	959.77	957.70	960.50	0.001124	7.66	27312.43	3374.11	0.42
Salt	Salt	201.62	100_year	Preproj_Design	162000.00	944.97	959.77	957.70	960.50	0.001126	7.66	27298.34	3374.09	0.42

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S Elev	Crit W.S	E.G Elev	E.G Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	201.62	100_year	Wthprj_Design	162000.00	944.97	959.77	957.70	960.50	0.001125	7.66	27304.79	3374.10	0.42
Salt	Salt	201.62	Typ Peak_year	Preproj	4400.00	944.97	951.31	948.86	951.39	0.000506	2.34	1878.02	1733.34	0.24
Salt	Salt	201.62	Typ Peak_year	TRWithprj	4400.00	944.97	951.31	948.86	951.39	0.000506	2.34	1878.02	1733.34	0.24
Salt	Salt	201.62	Typ Peak_year	Preproj_Design	4400.00	944.97	951.31	948.86	951.39	0.000506	2.34	1878.02	1733.34	0.24
Salt	Salt	201.62	Typ Peak_year	Wthprj_Design	4400.00	944.97	951.31	948.86	951.39	0.000506	2.34	1878.02	1733.34	0.24
Salt	Salt	201.54	5_year	Preproj	19500.00	944.01	955.87	951.73	956.11	0.000953	3.91	5076.90	2759.78	0.27
Salt	Salt	201.54	5_year	TRWithprj	19500.00	944.01	955.87	951.74	956.11	0.000958	3.92	4974.66	2759.77	0.27
Salt	Salt	201.54	5_year	Preproj_Design	19500.00	944.01	955.87	951.73	956.11	0.000953	3.91	5076.95	2759.79	0.27
Salt	Salt	201.54	5_year	Wthprj_Design	19500.00	944.01	955.87	951.74	956.11	0.000958	3.92	4974.71	2759.78	0.27
Salt	Salt	201.54	10_year	Preproj	49000.00	944.01	956.85	954.30	957.15	0.001010	4.42	11237.42	2887.61	0.28
Salt	Salt	201.54	10_year	TRWithprj	49000.00	944.01	956.85	954.32	957.15	0.001010	4.42	11237.42	2887.61	0.28
Salt	Salt	201.54	10_year	Preproj_Design	49000.00	944.01	956.85	954.30	957.15	0.001010	4.42	11237.42	2887.61	0.28
Salt	Salt	201.54	10_year	Wthprj_Design	49000.00	944.01	956.85	954.32	957.15	0.001010	4.42	11237.42	2887.61	0.28
Salt	Salt	201.54	20_year	Preproj	82000.00	944.01	956.94	955.95	957.76	0.002528	7.26	11387.32	2918.44	0.46
Salt	Salt	201.54	20_year	TRWithprj	82000.00	944.01	956.94	955.95	957.76	0.002529	7.26	11387.12	2918.40	0.46
Salt	Salt	201.54	20_year	Preproj_Design	82000.00	944.01	956.94	955.95	957.76	0.002529	7.26	11386.62	2918.30	0.46
Salt	Salt	201.54	20_year	Wthprj_Design	82000.00	944.01	956.94	955.95	957.76	0.002529	7.26	11386.92	2918.36	0.46
Salt	Salt	201.54	50_year	Preproj	130000.00	944.01	958.43	955.95	959.10	0.001458	6.36	22927.85	3177.07	0.37
Salt	Salt	201.54	50_year	TRWithprj	130000.00	944.01	958.43	955.95	959.10	0.001459	6.36	22924.17	3177.06	0.37
Salt	Salt	201.54	50_year	Preproj_Design	130000.00	944.01	958.43	955.95	959.09	0.001460	6.37	22913.31	3177.02	0.37
Salt	Salt	201.54	50_year	Wthprj_Design	130000.00	944.01	958.43	955.95	959.09	0.001460	6.36	22918.54	3177.04	0.37
Salt	Salt	201.54	100_year	Preproj	162000.00	944.01	959.10	956.65	959.94	0.001659	7.31	25058.84	3299.13	0.41
Salt	Salt	201.54	100_year	TRWithprj	162000.00	944.01	959.10	956.67	959.94	0.001662	7.31	25043.56	3297.29	0.41
Salt	Salt	201.54	100_year	Preproj_Design	162000.00	944.01	959.09	956.65	959.94	0.001666	7.32	25024.17	3294.21	0.41
Salt	Salt	201.54	100_year	Wthprj_Design	162000.00	944.01	959.09	956.67	959.94	0.001664	7.32	25032.98	3295.61	0.41
Salt	Salt	201.54	Typ Peak_year	Preproj	4400.00	944.01	950.91	949.36	951.06	0.001663	3.04	1449.37	1604.02	0.36
Salt	Salt	201.54	Typ Peak_year	TRWithprj	4400.00	944.01	950.91	949.35	951.06	0.001663	3.04	1449.37	1604.02	0.36
Salt	Salt	201.54	Typ Peak_year	Preproj_Design	4400.00	944.01	950.91	949.36	951.06	0.001663	3.04	1449.37	1604.02	0.36
Salt	Salt	201.54	Typ Peak_year	Wthprj_Design	4400.00	944.01	950.91	949.35	951.06	0.001663	3.04	1449.37	1604.02	0.36
Salt	Salt	201.48	5_year	Preproj	19500.00	943.46	955.47	951.11	955.67	0.001576	3.56	5487.18	2823.34	0.25
Salt	Salt	201.48	5_year	TRWithprj	19500.00	943.46	955.47	951.11	955.67	0.001576	3.56	5487.18	2823.34	0.25
Salt	Salt	201.48	5_year	Preproj_Design	19500.00	943.46	955.47	951.11	955.67	0.001576	3.56	5487.23	2823.34	0.25
Salt	Salt	201.48	5_year	Wthprj_Design	19500.00	943.46	955.47	951.11	955.67	0.001576	3.56	5487.23	2823.34	0.25
Salt	Salt	201.48	10_year	Preproj	49000.00	943.46	956.03	953.53	956.61	0.002418	4.88	8691.05	2921.60	0.33
Salt	Salt	201.48	10_year	TRWithprj	49000.00	943.46	956.03	953.53	956.61	0.002418	4.88	8691.05	2921.60	0.33
Salt	Salt	201.48	10_year	Preproj_Design	49000.00	943.46	956.03	953.53	956.61	0.002418	4.88	8691.05	2921.60	0.33
Salt	Salt	201.48	10_year	Wthprj_Design	49000.00	943.46	956.03	953.53	956.61	0.002418	4.88	8691.05	2921.60	0.33
Salt	Salt	201.48	20_year	Preproj	82000.00	943.46	956.58	955.83	957.07	0.001241	3.94	15658.73	3005.17	0.26
Salt	Salt	201.48	20_year	TRWithprj	82000.00	943.46	956.58	955.83	957.07	0.001241	3.94	15658.46	3005.15	0.26
Salt	Salt	201.48	20_year	Preproj_Design	82000.00	943.46	956.58	955.83	957.07	0.001242	3.94	15657.52	3005.06	0.26
Salt	Salt	201.48	20_year	Wthprj_Design	82000.00	943.46	956.58	955.83	957.07	0.001241	3.94	15658.06	3005.11	0.26
Salt	Salt	201.48	50_year	Preproj	130000.00	943.46	957.91	956.47	958.58	0.001483	5.16	23018.62	3261.07	0.31
Salt	Salt	201.48	50_year	TRWithprj	130000.00	943.46	957.91	956.47	958.58	0.001484	5.16	23013.64	3260.91	0.31
Salt	Salt	201.48	50_year	Preproj_Design	130000.00	943.46	957.90	956.47	958.58	0.001486	5.17	22999.12	3260.44	0.31
Salt	Salt	201.48	50_year	Wthprj_Design	130000.00	943.46	957.90	956.47	958.58	0.001485	5.16	23006.08	3260.67	0.31
Salt	Salt	201.48	100_year	Preproj	162000.00	943.46	958.46	956.58	959.35	0.001763	6.20	24828.64	3291.68	0.36
Salt	Salt	201.48	100_year	TRWithprj	162000.00	943.46	958.45	956.58	959.34	0.001767	6.20	24806.74	3291.54	0.36
Salt	Salt	201.48	100_year	Preproj_Design	162000.00	943.46	958.44	956.58	959.33	0.001773	6.21	24779.02	3291.38	0.36
Salt	Salt	201.48	100_year	Wthprj_Design	162000.00	943.46	958.45	956.58	959.34	0.001770	6.21	24791.67	3291.45	0.36
Salt	Salt	201.48	Typ Peak_year	Preproj	4400.00	943.46	950.22	948.65	950.37	0.002342	3.06	1439.52	1584.88	0.35
Salt	Salt	201.48	Typ Peak_year	TRWithprj	4400.00	943.46	950.22	948.65	950.37	0.002342	3.06	1439.52	1584.88	0.35
Salt	Salt	201.48	Typ Peak_year	Preproj_Design	4400.00	943.46	950.22	948.65	950.37	0.002342	3.06	1439.52	1584.88	0.35
Salt	Salt	201.48	Typ Peak_year	Wthprj_Design	4400.00	943.46	950.22	948.65	950.37	0.002342	3.06	1439.52	1584.88	0.35
Salt	Salt	201.41	5_year	Preproj	19500.00	942.38	954.82	950.69	955.04	0.001954	3.77	5174.75	3035.92	0.29
Salt	Salt	201.41	5_year	TRWithprj	19500.00	942.38	954.82	950.69	955.04	0.001954	3.77	5174.75	3035.92	0.29
Salt	Salt	201.41	5_year	Preproj_Design	19500.00	942.38	954.82	950.69	955.04	0.001954	3.77	5174.81	3035.93	0.29
Salt	Salt	201.41	5_year	Wthprj_Design	19500.00	942.38	954.82	950.69	955.04	0.001954	3.77	5174.81	3035.93	0.29
Salt	Salt	201.41	10_year	Preproj	49000.00	942.38	955.11	953.64	955.69	0.002814	4.89	8927.40	3084.53	0.37
Salt	Salt	201.41	10_year	TRWithprj	49000.00	942.38	955.11	953.64	955.69	0.002814	4.89	8927.40	3084.53	0.37
Salt	Salt	201.41	10_year	Preproj_Design	49000.00	942.38	955.11	953.64	955.69	0.002814	4.89	8927.40	3084.53	0.37
Salt	Salt	201.41	10_year	Wthprj_Design	49000.00	942.38	955.11	953.64	955.69	0.002814	4.89	8927.40	3084.53	0.37
Salt	Salt	201.41	20_year	Preproj	82000.00	942.38	955.94	954.98	956.54	0.001793	4.59	14483.17	3183.01	0.32
Salt	Salt	201.41	20_year	TRWithprj	82000.00	942.38	955.94	954.98	956.54	0.001793	4.59	14482.75	3182.98	0.32
Salt	Salt	201.41	20_year	Preproj_Design	82000.00	942.38	955.94	954.98	956.54	0.001793	4.59	14481.38	3182.89	0.32
Salt	Salt	201.41	20_year	Wthprj_Design	82000.00	942.38	955.94	954.98	956.54	0.001793	4.59	14482.20	3182.95	0.32
Salt	Salt	201.41	50_year	Preproj	130000.00	942.38	957.34	955.13	958.03	0.001671	5.40	23016.12	3328.60	0.34
Salt	Salt	201.41	50_year	TRWithprj	130000.00	942.38	957.33	955.13	958.03	0.001672	5.40	23009.23	3328.55	0.34
Salt	Salt	201.41	50_year	Preproj_Design	130000.00	942.38	957.33	955.13	958.03	0.001677	5.41	22988.76	3328.37	0.34
Salt	Salt	201.41	50_year	Wthprj_Design	130000.00	942.38	957.33	955.13	958.03	0.001675	5.41	22998.49	3328.46	0.34
Salt	Salt	201.41	100_year	Preproj	162000.00	942.38	957.77	955.13	958.68	0.002024	6.47	24447.21	3341.01	0.40
Salt	Salt	201.41	100_year	TRWithprj	162000.00	942.38	957.76	955.13	958.68	0.002032	6.48	24414.51	3340.72	0.40
Salt	Salt	201.41	100_year	Preproj_Design	162000.00	942.38	957.74	955.13	958.67	0.002042	6.49	24373.27	3340.36	0.40
Salt	Salt	201.41	100_year	Wthprj_Design	162000.00	942.38	957.75	955.13	958.67	0.002037	6.48	24391.96	3340.52	0.40
Salt	Salt	201.41	Typ Peak_year	Preproj	4400.00	942.38	949.56	947.31	949.72	0.001419	3.24	1357.35	1415.24	0.33
Salt	Salt	201.41	Typ Peak_year	TRWithprj	4400.00	942.38	949.56	947.31	949.72	0.001419	3.24	1357.35	1415.24	0.33
Salt	Salt	201.41	Typ Peak_year	Preproj_Design	4400.00	942.38	949.56	947.31	949.72	0.001419	3.24	1357.35	1415.24	0.33
Salt	Salt	201.41	Typ Peak_year	Wthprj_Design	4400.00	942.38	949.56	947.31	949.72	0.001419	3.24	1357.35	1415.24	0.33
Salt	Salt	201.33	5_year	Preproj	19500.00	942.38	953.39	950.73	954.02	0.002872	6.38	3054.96	2658.32	0.58
Salt	Salt	201.33	5_year	TRWithprj	19500.00	942.38	953.39	950.73	954.02	0.002872	6.38	3054.96	2658.32	0.58
Salt	Salt	201.33	5_year	Preproj_Design	19500.00	942.38	953.39	950.73	954.02	0.002872	6.38	3054.96	2658.32	0.58
Salt	Salt	201.33	5_year	Wthprj_Design	19500.00	942.38	953.39	950.73	954.02	0.002872	6.38	3054.96	2658.32	0.58
Salt	Salt	201.33	10_year	Preproj	49000.00	942.38	953.69	953.48	954.42	0.003157	7.00	8211.27	2720.87	0.62
Salt	Salt	201.33	10_year	TRWithprj	49000.00	942.38	953.69	953.48	954.42	0.003157	7.00	8211.27	2720.87	0.62
Salt	Salt	201.33	10_year	Preproj_Design	49000.00	942.38	953.69	953.48	954.42	0.003157	7.00	8211.27	2720.87	0.62
Salt	Salt	201.33	10_year	Wthprj_Design	49000.00	942.38	953.69	953.48	954.42	0.003157	7.00	8211.27	2720.87	0.62
Salt	Salt	201.33	20_year	Preproj	82000.00	942.38	954.57	953.61	955.54	0.003097	7.71	11491.57	3030.76	0.63
Salt	Salt	201.33	20_year	TRWithprj	82000.00	942.38	954.57	953.61	955.54	0.003097	7.71	11490.63	3030.66	0.63
Salt	Salt	201.33	20_year	Preproj_Design	82000.00	942.38	954.57	953.61	955.54	0.003101	7.71	11486.10	3030.17	0.63
Salt	Salt	201.33	20_year	Wthprj_Design	82000.00	942.38	954.57	953.61	955.54	0.003099	7.71	11488.63	3030.44	0.63
Salt	Salt	201.33	50_year	Preproj	130000.00	942.38	955.69	954.51	956.96	0.003784	9.73	16854.09	3288.76	0.72
Salt	Salt	201.33	50_year	TRWithprj	130000.00	942.38	955.68	954.51	956.96	0.003796	9.74	16835.14	3287.71	0.72
Salt	Salt	201.33	50_year	Preproj_Design	130000.00	942.38	955.66	954.51	956.95	0.003836	9.77	16773.06	3284.97	0.72
Salt	Salt	201.33	50_year	Wthprj_Design	130000.00	942.38	955.67	954.51	956.95	0.003815	9.76	16804.47	3286.01	0.72
Salt	Salt	201.33	100_year	Preproj	162000.00	942.38	956.52	955.06	957.69	0.002692	8.98	21447.11	3315.39	0.62
Salt	Salt	201.33	100_year	TRWithprj	162000.00	942.38	956.49	955.06	957.67	0.002724	9.01	21363.34	3314.93	0.62

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	201.33	100_year	Preproj_Design	162000.00	942.38	956.46	955.06	957.65	0.002766	9.05	21255.71	3314.34	0.63
Salt	Salt	201.33	100_year	Withprj_Design	162000.00	942.38	956.48	955.06	957.66	0.002747	9.03	21304.06	3314.61	0.62
Salt	Salt	201.33	Typ Peak_year	Preproj	4400.00	942.38	948.67	945.90	949.02	0.001924	4.73	930.21	1150.70	0.46
Salt	Salt	201.33	Typ Peak_year	TRWithprj	4400.00	942.38	948.67	945.90	949.02	0.001924	4.73	930.21	1150.70	0.46
Salt	Salt	201.33	Typ Peak_year	Preproj_Design	4400.00	942.38	948.67	945.90	949.02	0.001924	4.73	930.21	1150.70	0.46
Salt	Salt	201.33	Typ Peak_year	Withprj_Design	4400.00	942.38	948.67	945.90	949.02	0.001924	4.73	930.21	1150.70	0.46
Salt	Salt	201.26	5_year	Preproj	19500.00	942.38	951.87	950.45	952.79	0.004202	7.70	2533.80	2266.44	0.70
Salt	Salt	201.26	5_year	TRWithprj	19500.00	942.38	951.87	950.45	952.79	0.004202	7.70	2533.84	2266.46	0.70
Salt	Salt	201.26	5_year	Preproj_Design	19500.00	942.38	951.87	950.45	952.79	0.004201	7.70	2533.93	2266.52	0.70
Salt	Salt	201.26	5_year	Withprj_Design	19500.00	942.38	951.87	950.45	952.79	0.004201	7.70	2533.93	2266.52	0.70
Salt	Salt	201.26	10_year	Preproj	49000.00	942.38	953.12	952.01	953.51	0.001802	5.16	10923.90	3029.76	0.46
Salt	Salt	201.26	10_year	TRWithprj	49000.00	942.38	953.12	952.01	953.51	0.001802	5.16	10923.90	3029.76	0.46
Salt	Salt	201.26	10_year	Preproj_Design	49000.00	942.38	953.12	952.01	953.51	0.001802	5.16	10923.90	3029.76	0.46
Salt	Salt	201.26	10_year	Withprj_Design	49000.00	942.38	953.12	952.01	953.51	0.001802	5.16	10923.90	3029.76	0.46
Salt	Salt	201.26	20_year	Preproj	82000.00	942.38	953.38	952.26	954.31	0.004007	8.03	11569.43	3165.81	0.70
Salt	Salt	201.26	20_year	TRWithprj	82000.00	942.38	953.38	952.26	954.31	0.004011	8.03	11565.77	3165.16	0.70
Salt	Salt	201.26	20_year	Preproj_Design	82000.00	942.38	953.37	952.26	954.30	0.004029	8.04	11548.53	3161.95	0.70
Salt	Salt	201.26	20_year	Withprj_Design	82000.00	942.38	953.38	952.26	954.31	0.004019	8.04	11558.14	3163.76	0.70
Salt	Salt	201.26	50_year	Preproj	130000.00	942.38	954.62	953.38	955.66	0.003358	8.74	17873.27	3353.69	0.67
Salt	Salt	201.26	50_year	TRWithprj	130000.00	942.38	954.60	953.38	955.65	0.003390	8.77	17816.80	3351.18	0.67
Salt	Salt	201.26	50_year	Preproj_Design	130000.00	942.38	954.55	953.38	955.61	0.003501	8.84	17627.00	3344.93	0.68
Salt	Salt	201.26	50_year	Withprj_Design	130000.00	942.38	954.58	953.38	955.63	0.003443	8.80	17724.41	3347.06	0.67
Salt	Salt	201.26	100_year	Preproj	162000.00	942.38	955.52	954.04	956.67	0.003148	9.37	20915.06	3408.28	0.66
Salt	Salt	201.26	100_year	TRWithprj	162000.00	942.38	955.46	954.04	956.64	0.003235	9.45	20730.35	3407.75	0.67
Salt	Salt	201.26	100_year	Preproj_Design	162000.00	942.38	955.38	954.04	956.59	0.003381	9.57	20438.78	3406.93	0.68
Salt	Salt	201.26	100_year	Withprj_Design	162000.00	942.38	955.42	954.04	956.61	0.003313	9.51	20573.33	3407.31	0.68
Salt	Salt	201.26	Typ Peak_year	Preproj	4400.00	942.38	948.35	945.11	948.60	0.000731	4.00	1100.61	1228.02	0.31
Salt	Salt	201.26	Typ Peak_year	TRWithprj	4400.00	942.38	948.35	945.11	948.60	0.000731	4.00	1100.61	1228.02	0.31
Salt	Salt	201.26	Typ Peak_year	Preproj_Design	4400.00	942.38	948.35	945.11	948.60	0.000731	4.00	1100.61	1228.02	0.31
Salt	Salt	201.26	Typ Peak_year	Withprj_Design	4400.00	942.38	948.35	945.11	948.60	0.000731	4.00	1100.61	1228.02	0.31
Salt	Salt	201.2	5_year	Preproj	19500.00	942.38	951.05	948.90	951.64	0.002399	6.15	3172.82	2826.91	0.54
Salt	Salt	201.2	5_year	TRWithprj	19500.00	942.38	951.05	948.90	951.64	0.002399	6.15	3172.91	2826.95	0.54
Salt	Salt	201.2	5_year	Preproj_Design	19500.00	942.38	951.05	948.90	951.64	0.002398	6.15	3173.25	2827.08	0.54
Salt	Salt	201.2	5_year	Withprj_Design	19500.00	942.38	951.05	948.90	951.64	0.002398	6.15	3173.15	2827.04	0.54
Salt	Salt	201.2	10_year	Preproj	49000.00	942.38	953.00	951.35	953.15	0.000440	3.38	16799.39	3493.70	0.25
Salt	Salt	201.2	10_year	TRWithprj	49000.00	942.38	953.00	951.35	953.15	0.000440	3.38	16799.39	3493.70	0.25
Salt	Salt	201.2	10_year	Preproj_Design	49000.00	942.38	953.00	951.35	953.15	0.000440	3.38	16799.39	3493.70	0.25
Salt	Salt	201.2	10_year	Withprj_Design	49000.00	942.38	953.00	951.35	953.15	0.000440	3.38	16799.39	3493.70	0.25
Salt	Salt	201.2	20_year	Preproj	82000.00	942.38	952.33	951.38	953.11	0.002668	7.69	12348.35	3301.98	0.59
Salt	Salt	201.2	20_year	TRWithprj	82000.00	942.38	952.33	951.38	953.10	0.002675	7.70	12338.50	3301.18	0.59
Salt	Salt	201.2	20_year	Preproj_Design	82000.00	942.38	952.31	951.38	953.09	0.002707	7.72	12292.66	3297.50	0.60
Salt	Salt	201.2	20_year	Withprj_Design	82000.00	942.38	952.32	951.38	953.10	0.002689	7.71	12318.52	3299.58	0.59
Salt	Salt	201.2	50_year	Preproj	130000.00	942.38	954.07	951.85	954.74	0.001621	7.24	22102.93	3554.26	0.48
Salt	Salt	201.2	50_year	TRWithprj	130000.00	942.38	954.04	951.85	954.72	0.001640	7.26	22013.56	3554.04	0.49
Salt	Salt	201.2	50_year	Preproj_Design	130000.00	942.38	953.96	951.85	954.65	0.001710	7.35	21705.56	3553.28	0.50
Salt	Salt	201.2	50_year	Withprj_Design	130000.00	942.38	954.00	951.85	954.68	0.001674	7.31	21864.76	3553.67	0.49
Salt	Salt	201.2	100_year	Preproj	162000.00	942.38	955.03	952.58	955.78	0.001566	7.75	25515.08	3573.54	0.49
Salt	Salt	201.2	100_year	TRWithprj	162000.00	942.38	954.95	952.58	955.73	0.001617	7.83	25249.30	3562.07	0.49
Salt	Salt	201.2	100_year	Preproj_Design	162000.00	942.38	954.83	952.58	955.63	0.001703	7.95	24819.77	3560.93	0.51
Salt	Salt	201.2	100_year	Withprj_Design	162000.00	942.38	954.89	952.58	955.68	0.001662	7.89	25019.74	3561.42	0.50
Salt	Salt	201.2	Typ Peak_year	Preproj	4400.00	942.38	948.20	945.25	948.34	0.000613	2.95	1493.85	1662.61	0.27
Salt	Salt	201.2	Typ Peak_year	TRWithprj	4400.00	942.38	948.20	945.25	948.34	0.000613	2.95	1493.85	1662.61	0.27
Salt	Salt	201.2	Typ Peak_year	Preproj_Design	4400.00	942.38	948.20	945.25	948.34	0.000613	2.95	1493.85	1662.61	0.27
Salt	Salt	201.2	Typ Peak_year	Withprj_Design	4400.00	942.38	948.20	945.25	948.34	0.000613	2.95	1493.85	1662.61	0.27
Salt	Salt	201.16	5_year	Preproj	19500.00	943.39	950.92	948.67	951.20	0.001035	4.29	4548.11	3323.16	0.36
Salt	Salt	201.16	5_year	TRWithprj	19500.00	943.39	950.92	948.67	951.20	0.001035	4.29	4548.24	3323.18	0.36
Salt	Salt	201.16	5_year	Preproj_Design	19500.00	943.39	950.92	948.67	951.20	0.001035	4.29	4548.74	3323.27	0.36
Salt	Salt	201.16	5_year	Withprj_Design	19500.00	943.39	950.92	948.67	951.20	0.001035	4.29	4548.61	3323.25	0.36
Salt	Salt	201.16	10_year	Preproj	49000.00	943.39	950.61	950.61	952.69	0.008293	11.57	4234.45	3216.51	1.01
Salt	Salt	201.16	10_year	TRWithprj	49000.00	943.39	950.61	950.61	952.69	0.008293	11.57	4234.45	3216.51	1.01
Salt	Salt	201.16	10_year	Preproj_Design	49000.00	943.39	950.61	950.61	952.69	0.008293	11.57	4234.45	3216.51	1.01
Salt	Salt	201.16	10_year	Withprj_Design	49000.00	943.39	950.61	950.61	952.69	0.008293	11.57	4234.45	3216.51	1.01
Salt	Salt	201.16	20_year	Preproj	82000.00	943.39	952.14	951.01	952.58	0.001345	5.75	16297.37	3664.83	0.43
Salt	Salt	201.16	20_year	TRWithprj	82000.00	943.39	952.13	951.01	952.57	0.001349	5.76	16282.41	3664.26	0.43
Salt	Salt	201.16	20_year	Preproj_Design	82000.00	943.39	952.11	951.01	952.56	0.001367	5.78	16213.45	3661.65	0.43
Salt	Salt	201.16	20_year	Withprj_Design	82000.00	943.39	952.12	951.01	952.57	0.001357	5.77	16252.31	3663.12	0.43
Salt	Salt	201.16	50_year	Preproj	130000.00	943.39	953.81	951.24	954.37	0.001283	6.68	24318.32	3676.84	0.44
Salt	Salt	201.16	50_year	TRWithprj	130000.00	943.39	953.78	951.24	954.35	0.001301	6.71	24210.83	3676.73	0.44
Salt	Salt	201.16	50_year	Preproj_Design	130000.00	943.39	953.68	951.24	954.26	0.001366	6.81	23837.43	3676.36	0.45
Salt	Salt	201.16	50_year	Withprj_Design	130000.00	943.39	953.73	951.24	954.30	0.001332	6.75	24030.86	3676.55	0.44
Salt	Salt	201.16	100_year	Preproj	162000.00	943.39	954.79	951.72	955.42	0.001238	7.13	27926.46	3680.49	0.44
Salt	Salt	201.16	100_year	TRWithprj	162000.00	943.39	954.70	951.72	955.35	0.001282	7.21	27615.57	3680.16	0.44
Salt	Salt	201.16	100_year	Preproj_Design	162000.00	943.39	954.57	951.72	955.24	0.001360	7.34	27107.75	3679.61	0.46
Salt	Salt	201.16	100_year	Withprj_Design	162000.00	943.39	954.63	951.72	955.29	0.001323	7.28	27345.14	3679.87	0.45
Salt	Salt	201.16	Typ Peak_year	Preproj	4400.00	943.39	948.01	946.67	948.12	0.001433	2.69	1632.79	2224.44	0.36
Salt	Salt	201.16	Typ Peak_year	TRWithprj	4400.00	943.39	948.01	946.67	948.12	0.001433	2.69	1632.79	2224.44	0.36
Salt	Salt	201.16	Typ Peak_year	Preproj_Design	4400.00	943.39	948.01	946.67	948.12	0.001433	2.69	1632.79	2224.44	0.36
Salt	Salt	201.16	Typ Peak_year	Withprj_Design	4400.00	943.39	948.01	946.67	948.12	0.001433	2.69	1632.79	2224.44	0.36
Salt	Salt	201.1	5_year	Preproj	19500.00	942.17	950.01	948.89	950.67	0.003208	6.52	2991.85	3217.94	0.61
Salt	Salt	201.1	5_year	TRWithprj	19500.00	942.17	950.01	948.89	950.67	0.003207	6.52	2992.11	3218.08	0.61
Salt	Salt	201.1	5_year	Preproj_Design	19500.00	942.17	950.01	948.89	950.67	0.003205	6.52	2993.09	3218.65	0.61
Salt	Salt	201.1	5_year	Withprj_Design	19500.00	942.17	950.01	948.89	950.67	0.003205	6.52	2992.94	3218.56	0.61
Salt	Salt	201.1	10_year	Preproj	49000.00	942.17	950.38	950.21	950.87	0.001966	5.31	9801.30	3419.25	0.48
Salt	Salt	201.1	10_year	TRWithprj	49000.00	942.17	950.38	950.21	950.87	0.001968	5.31	9797.87	3418.46	0.48
Salt	Salt	201.1	10_year	Preproj_Design	49000.00	942.17	950.38	950.21	950.87	0.001974	5.32	9786.82	3416.22	0.48
Salt	Salt	201.1	10_year	Withprj_Design	49000.00	942.17	950.38	950.21	950.87	0.001969	5.31	9796.23	3418.08	0.48
Salt	Salt	201.1	20_year	Preproj	82000.00	942.17	951.61	950.20	952.12	0.001840	6.20	14963.31	3769.67	0.49
Salt	Salt	201.1	20_year	TRWithprj	82000.00	942.17	951.60	950.20	952.11	0.001849	6.21	14938.76	3767.79	0.49
Salt	Salt	201.1	20_year	Preproj_Design	82000.00	942.17	951.57	950.20	952.08	0.001883	6.23	14827.75	3747.92	0.49
Salt	Salt	201.1	20_year	Withprj_Design	82000.00	942.17	951.59	950.20	952.10	0.001868	6.22	14889.29	3764.00	0.49
Salt	Salt	201.1	50_year	Preproj	130000.00	942.17	953.39	951.18	953.96	0.001527	6.92	23347.45	3847.08	0.47
Salt	Salt	201.1	50_year	TRWithprj	130000.00	942.17	953.35	951.18	953.93	0.001557	6.96	23199.29	3846.80	0.47
Salt	Salt	201.1	50_year	Preproj_Design	130000.00	942.17	953.22	951.18	953.82	0.001672	7.11	22674.13	3845.85	0.49
Salt	Salt	201.1	50_year	Withprj_Design	130000.00	942.17	953.29	951.18	953.88	0.001611	7.03	22948.31	3846.33	0.48
Salt	Salt	201.1	100_year	Preproj	162000.00	942.17	954.41	951.29	955.04	0.001400	7.27	27266.13	3854.76	0.46

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	201.1	100_year	TRWithprj	162000.00	942.17	954.31	951.29	954.95	0.001467	7.38	26868.11	3853.70	0.47
Salt	Salt	201.1	100_year	Preproj_Design	162000.00	942.17	954.13	951.29	954.81	0.001588	7.56	26200.46	3852.45	0.49
Salt	Salt	201.1	100_year	Withprj_Design	162000.00	942.17	954.22	951.29	954.88	0.001529	7.47	26517.44	3853.04	0.48
Salt	Salt	201.1	Typ Peak_year	Preproj	4400.00	942.17	946.92	946.56	947.34	0.005830	5.20	845.50	1621.28	0.72
Salt	Salt	201.1	Typ Peak_year	TRWithprj	4400.00	942.17	946.92	946.56	947.34	0.005830	5.20	845.50	1621.28	0.72
Salt	Salt	201.1	Typ Peak_year	Preproj_Design	4400.00	942.17	946.92	946.56	947.34	0.005830	5.20	845.50	1621.28	0.72
Salt	Salt	201.1	Typ Peak_year	Withprj_Design	4400.00	942.17	946.92	946.56	947.34	0.005830	5.20	845.50	1621.28	0.72
Salt	Salt	201.01	5_year	Preproj	19500.00	938.69	948.62	946.53	949.09	0.003265	5.50	3542.90	2702.76	0.47
Salt	Salt	201.01	5_year	TRWithprj	19500.00	938.69	948.63	946.53	949.10	0.003263	5.50	3543.66	2703.39	0.47
Salt	Salt	201.01	5_year	Preproj_Design	19500.00	938.69	948.63	946.53	949.10	0.003258	5.50	3546.22	2705.54	0.47
Salt	Salt	201.01	5_year	Withprj_Design	19500.00	938.69	948.63	946.53	949.10	0.003259	5.50	3545.87	2705.25	0.47
Salt	Salt	201.01	10_year	Preproj	49000.00	938.69	949.12	949.00	949.74	0.002948	5.47	9166.94	2952.75	0.45
Salt	Salt	201.01	10_year	TRWithprj	49000.00	938.69	949.12	949.00	949.74	0.002956	5.48	9156.76	2951.02	0.45
Salt	Salt	201.01	10_year	Preproj_Design	49000.00	938.69	949.11	949.00	949.73	0.002963	5.50	9123.75	2945.43	0.46
Salt	Salt	201.01	10_year	Withprj_Design	49000.00	938.69	949.12	949.00	949.73	0.002960	5.48	9151.88	2950.20	0.45
Salt	Salt	201.01	20_year	Preproj	82000.00	938.69	950.58	949.16	951.15	0.002289	5.77	14883.77	3479.64	0.43
Salt	Salt	201.01	20_year	TRWithprj	82000.00	938.69	950.56	949.16	951.13	0.002315	5.79	14827.15	3473.86	0.43
Salt	Salt	201.01	20_year	Preproj_Design	82000.00	938.69	950.48	949.16	951.07	0.002433	5.88	14579.87	3448.53	0.44
Salt	Salt	201.01	20_year	Withprj_Design	82000.00	938.69	950.52	949.16	951.11	0.002370	5.83	14710.33	3461.91	0.43
Salt	Salt	201.01	50_year	Preproj	130000.00	938.69	952.54	950.11	953.19	0.001747	6.35	22925.78	3677.14	0.41
Salt	Salt	201.01	50_year	TRWithprj	130000.00	938.69	952.47	950.11	953.13	0.001806	6.42	22682.13	3674.48	0.41
Salt	Salt	201.01	50_year	Preproj_Design	130000.00	938.69	952.22	950.11	952.94	0.002053	6.69	21759.40	3664.76	0.44
Salt	Salt	201.01	50_year	Withprj_Design	130000.00	938.69	952.36	950.11	953.04	0.001915	6.54	22254.05	3669.79	0.42
Salt	Salt	201.01	100_year	Preproj	162000.00	938.69	953.65	950.30	954.34	0.001535	6.70	27033.75	3748.45	0.40
Salt	Salt	201.01	100_year	TRWithprj	162000.00	938.69	953.49	950.30	954.22	0.001644	6.85	26447.68	3702.65	0.41
Salt	Salt	201.01	100_year	Preproj_Design	162000.00	938.69	953.21	950.30	953.99	0.001865	7.13	25403.38	3697.78	0.44
Salt	Salt	201.01	100_year	Withprj_Design	162000.00	938.69	953.35	950.30	954.10	0.001753	6.99	25911.36	3700.15	0.42
Salt	Salt	201.01	Typ Peak_year	Preproj	4400.00	938.69	945.28	944.00	945.48	0.002722	3.54	1244.48	1442.79	0.41
Salt	Salt	201.01	Typ Peak_year	TRWithprj	4400.00	938.69	945.28	944.00	945.48	0.002722	3.54	1244.48	1442.79	0.41
Salt	Salt	201.01	Typ Peak_year	Preproj_Design	4400.00	938.69	945.28	944.00	945.48	0.002722	3.54	1244.48	1442.79	0.41
Salt	Salt	201.01	Typ Peak_year	Withprj_Design	4400.00	938.69	945.28	944.00	945.48	0.002722	3.54	1244.48	1442.79	0.41
Salt	Salt	200.95	5_year	Preproj	19500.00	938.69	947.56	945.40	948.07	0.002922	5.77	3379.66	2467.19	0.47
Salt	Salt	200.95	5_year	TRWithprj	19500.00	938.69	947.56	945.40	948.08	0.002917	5.77	3381.33	2468.27	0.47
Salt	Salt	200.95	5_year	Preproj_Design	19500.00	938.69	947.57	945.40	948.08	0.002901	5.76	3387.12	2471.60	0.47
Salt	Salt	200.95	5_year	Withprj_Design	19500.00	938.69	947.57	945.40	948.08	0.002903	5.76	3386.32	2471.15	0.47
Salt	Salt	200.95	10_year	Preproj	49000.00	938.69	948.20	948.00	948.81	0.002605	6.00	8846.87	2830.47	0.46
Salt	Salt	200.95	10_year	TRWithprj	49000.00	938.69	948.19	948.00	948.80	0.002622	6.01	8827.40	2823.78	0.46
Salt	Salt	200.95	10_year	Preproj_Design	49000.00	938.69	948.15	948.00	948.78	0.002685	6.05	8754.01	2787.56	0.47
Salt	Salt	200.95	10_year	Withprj_Design	49000.00	938.69	948.18	948.00	948.80	0.002630	6.01	8817.92	2819.09	0.46
Salt	Salt	200.95	20_year	Preproj	82000.00	938.69	949.78	948.01	950.41	0.002100	6.55	14079.49	3400.18	0.45
Salt	Salt	200.95	20_year	TRWithprj	82000.00	938.69	949.75	948.01	950.38	0.002142	6.59	13992.35	3393.32	0.45
Salt	Salt	200.95	20_year	Preproj_Design	82000.00	938.69	949.59	948.01	950.26	0.002349	6.79	13588.27	3367.24	0.47
Salt	Salt	200.95	20_year	Withprj_Design	82000.00	938.69	949.68	948.01	950.33	0.002234	6.68	13806.59	3379.67	0.46
Salt	Salt	200.95	50_year	Preproj	130000.00	938.69	951.95	949.00	952.62	0.001631	7.12	23153.03	3657.76	0.42
Salt	Salt	200.95	50_year	TRWithprj	130000.00	938.69	951.85	949.00	952.54	0.001706	7.23	22800.15	3651.61	0.43
Salt	Salt	200.95	50_year	Preproj_Design	130000.00	938.69	951.46	949.00	952.24	0.002065	7.73	21350.61	3638.83	0.47
Salt	Salt	200.95	50_year	Withprj_Design	130000.00	938.69	951.68	949.00	952.40	0.001855	7.45	22153.67	3644.61	0.45
Salt	Salt	200.95	100_year	Preproj	162000.00	938.69	953.14	949.52	953.84	0.001463	7.44	27580.25	3761.02	0.42
Salt	Salt	200.95	100_year	TRWithprj	162000.00	938.69	952.93	949.52	953.67	0.001602	7.67	26784.32	3748.67	0.44
Salt	Salt	200.95	100_year	Preproj_Design	162000.00	938.69	952.54	949.52	953.37	0.001842	8.02	25318.58	3688.52	0.46
Salt	Salt	200.95	100_year	Withprj_Design	162000.00	938.69	952.74	949.52	953.52	0.001691	7.78	26061.03	3733.46	0.45
Salt	Salt	200.95	Typ Peak_year	Preproj	4400.00	938.69	944.38	942.87	944.55	0.002819	3.31	1329.25	1329.36	0.38
Salt	Salt	200.95	Typ Peak_year	TRWithprj	4400.00	938.69	944.38	942.87	944.55	0.002819	3.31	1329.25	1329.36	0.38
Salt	Salt	200.95	Typ Peak_year	Preproj_Design	4400.00	938.69	944.38	942.87	944.55	0.002819	3.31	1329.25	1329.36	0.38
Salt	Salt	200.95	Typ Peak_year	Withprj_Design	4400.00	938.69	944.38	942.87	944.55	0.002819	3.31	1329.25	1329.36	0.38
Salt	Salt	200.88	5_year	Preproj	19500.00	938.71	946.65	943.99	946.98	0.002809	4.65	4196.05	2260.24	0.38
Salt	Salt	200.88	5_year	TRWithprj	19500.00	938.71	946.65	943.99	946.99	0.002797	4.64	4200.88	2262.14	0.38
Salt	Salt	200.88	5_year	Preproj_Design	19500.00	938.71	946.67	943.99	947.00	0.002759	4.62	4217.52	2268.68	0.37
Salt	Salt	200.88	5_year	Withprj_Design	19500.00	938.71	946.67	943.99	947.00	0.002764	4.63	4215.35	2267.83	0.37
Salt	Salt	200.88	10_year	Preproj	49000.00	938.71	947.42	946.48	947.93	0.002184	4.72	8908.36	2562.45	0.36
Salt	Salt	200.88	10_year	TRWithprj	49000.00	938.71	947.41	946.48	947.92	0.002188	4.71	8882.84	2557.79	0.36
Salt	Salt	200.88	10_year	Preproj_Design	49000.00	938.71	947.34	946.48	947.86	0.002282	4.77	8761.54	2529.20	0.36
Salt	Salt	200.88	10_year	Withprj_Design	49000.00	938.71	947.40	946.48	947.91	0.002200	4.72	8867.44	2554.21	0.36
Salt	Salt	200.88	20_year	Preproj	82000.00	938.71	949.18	947.01	949.67	0.001839	5.50	14600.07	3212.00	0.36
Salt	Salt	200.88	20_year	TRWithprj	82000.00	938.71	949.12	947.01	949.62	0.001890	5.55	14472.77	3204.65	0.37
Salt	Salt	200.88	20_year	Preproj_Design	82000.00	938.71	948.88	947.01	949.42	0.002172	5.80	13855.37	3144.03	0.39
Salt	Salt	200.88	20_year	Withprj_Design	82000.00	938.71	949.01	947.01	949.53	0.002011	5.66	14194.46	3185.54	0.38
Salt	Salt	200.88	50_year	Preproj	130000.00	938.71	951.48	948.13	952.03	0.001463	6.15	23753.74	3725.14	0.36
Salt	Salt	200.88	50_year	TRWithprj	130000.00	938.71	951.36	948.13	951.92	0.001549	6.27	23288.15	3695.98	0.37
Salt	Salt	200.88	50_year	Preproj_Design	130000.00	938.71	950.82	948.13	951.49	0.001932	6.73	21368.04	3510.45	0.40
Salt	Salt	200.88	50_year	Withprj_Design	130000.00	938.71	951.13	948.13	951.74	0.001689	6.44	22450.89	3629.09	0.38
Salt	Salt	200.88	100_year	Preproj	162000.00	938.71	952.72	948.33	953.32	0.001278	6.47	28469.29	3846.41	0.35
Salt	Salt	200.88	100_year	TRWithprj	162000.00	938.71	952.47	948.33	953.10	0.001402	6.67	27495.62	3835.21	0.37
Salt	Salt	200.88	100_year	Preproj_Design	162000.00	938.71	951.97	948.33	952.70	0.001729	7.16	25604.80	3796.01	0.40
Salt	Salt	200.88	100_year	Withprj_Design	162000.00	938.71	952.24	948.33	952.91	0.001545	6.89	26602.85	3811.40	0.38
Salt	Salt	200.88	Typ Peak_year	Preproj	4400.00	938.71	943.24	941.93	943.37	0.003727	2.91	1512.15	1391.50	0.35
Salt	Salt	200.88	Typ Peak_year	TRWithprj	4400.00	938.71	943.24	941.93	943.37	0.003727	2.91	1512.15	1391.50	0.35
Salt	Salt	200.88	Typ Peak_year	Preproj_Design	4400.00	938.71	943.24	941.93	943.37	0.003727	2.91	1512.15	1391.50	0.35
Salt	Salt	200.88	Typ Peak_year	Withprj_Design	4400.00	938.71	943.24	941.93	943.37	0.003727	2.91	1512.15	1391.50	0.35
Salt	Salt	200.83	5_year	Preproj	19500.00	937.28	946.23	943.24	946.51	0.000976	4.25	4584.09	2547.42	0.33
Salt	Salt	200.83	5_year	TRWithprj	19500.00	937.28	946.24	943.24	946.52	0.000971	4.25	4590.91	2552.26	0.33
Salt	Salt	200.83	5_year	Preproj_Design	19500.00	937.28	946.27	943.24	946.54	0.000956	4.23	4614.04	2568.59	0.33
Salt	Salt	200.83	5_year	Withprj_Design	19500.00	937.28	946.26	943.24	946.54	0.000958	4.23	4611.02	2566.47	0.33
Salt	Salt	200.83	10_year	Preproj	49000.00	937.28	946.77	945.60	947.33	0.001960	6.43	8349.99	2796.30	0.48
Salt	Salt	200.83	10_year	TRWithprj	49000.00	937.28	946.75	945.60	947.32	0.002006	6.45	8312.76	2788.23	0.48
Salt	Salt	200.83	10_year	Preproj_Design	49000.00	937.28	946.63	945.60	947.22	0.002188	6.64	8070.13	2752.18	0.50
Salt	Salt	200.83	10_year	Withprj_Design	49000.00	937.28	946.74	945.60	947.30	0.002028	6.48	8282.57	2781.67	0.49
Salt	Salt	200.83	20_year	Preproj	82000.00	937.28	948.75	946.51	949.24	0.001261	6.29	15120.13	3285.73	0.41
Salt	Salt	200.83	20_year	TRWithprj	82000.00	937.28	948.69	946.51	949.18	0.001307	6.37	14948.76	3283.72	0.41
Salt	Salt	200.83	20_year	Preproj_Design	82000.00	937.28	948.33	946.51	948.90	0.001592	6.81	14033.98	3271.21	0.45
Salt	Salt	200.83	20_year	Withprj_Design	82000.00	937.28	948.53	946.51	949.06	0.001422	6.55	14550.63	3278.54	0.43
Salt	Salt	200.83	50_year	Preproj	130000.00	937.28	951.16	947.77	951.69	0.000967	6.64	25113.23	3754.16	0.37
Salt	Salt	200.83	50_year	TRWithprj	130000.00	937.28	951.01	947.77	951.57	0.001028	6.78	24561.56	3739.49	0.38
Salt	Salt	200.83	50_year	Preproj_Design	130000.00	937.28	950.37	947.77	951.04	0.001342	7.41	22210.64	3619.52	0.44
Salt	Salt	200.83	50_year	Withprj_Design	130000.00	937.28	950.74	947.77	951.34	0.001151	7.04	23560.46	3718.81	0.41

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	200.83	100_year	Preproj	162000.00	937.28	952.43	947.98	953.02	0.000892	6.95	29991.54	3835.89	0.37
Salt	Salt	200.83	100_year	TRWithprj	162000.00	937.28	952.14	947.98	952.77	0.000995	7.21	28869.54	3834.83	0.39
Salt	Salt	200.83	100_year	Preproj_Design	162000.00	937.28	951.54	947.98	952.28	0.001254	7.80	26585.30	3832.67	0.43
Salt	Salt	200.83	100_year	Withprj_Design	162000.00	937.28	951.86	947.98	952.54	0.001105	7.47	27815.24	3833.84	0.41
Salt	Salt	200.83	Typ Peak_year	Preproj	4400.00	937.28	942.71	940.76	942.82	0.001114	2.62	1681.71	1230.18	0.31
Salt	Salt	200.83	Typ Peak_year	TRWithprj	4400.00	937.28	942.71	940.76	942.82	0.001114	2.62	1681.71	1230.18	0.31
Salt	Salt	200.83	Typ Peak_year	Preproj_Design	4400.00	937.28	942.71	940.76	942.82	0.001114	2.62	1681.71	1230.18	0.31
Salt	Salt	200.83	Typ Peak_year	Withprj_Design	4400.00	937.28	942.71	940.76	942.82	0.001114	2.62	1681.71	1230.18	0.31
Salt	Salt	200.75	5_year	Preproj	19500.00	937.28	944.36	943.88	945.61	0.006333	8.99	2169.00	1957.05	0.85
Salt	Salt	200.75	5_year	TRWithprj	19500.00	937.28	944.46	943.88	945.64	0.005930	8.73	2234.41	1986.69	0.82
Salt	Salt	200.75	5_year	Preproj_Design	19500.00	937.28	944.65	943.88	945.71	0.005337	8.25	2363.48	2070.53	0.79
Salt	Salt	200.75	5_year	Withprj_Design	19500.00	937.28	944.63	943.88	945.70	0.005409	8.31	2347.77	2061.05	0.79
Salt	Salt	200.75	10_year	Preproj	49000.00	937.28	945.96	945.01	946.40	0.002375	6.05	9367.12	2550.18	0.53
Salt	Salt	200.75	10_year	TRWithprj	49000.00	937.28	945.92	945.01	946.37	0.002449	6.11	9277.33	2541.94	0.54
Salt	Salt	200.75	10_year	Preproj_Design	49000.00	937.28	945.60	945.01	946.13	0.003105	6.65	8598.56	2447.92	0.61
Salt	Salt	200.75	10_year	Withprj_Design	49000.00	937.28	945.88	945.01	946.34	0.002513	6.16	9202.11	2535.04	0.55
Salt	Salt	200.75	20_year	Preproj	82000.00	937.28	948.07	945.24	948.62	0.001730	6.57	13923.56	2961.56	0.47
Salt	Salt	200.75	20_year	TRWithprj	82000.00	937.28	947.97	945.24	948.54	0.001821	6.68	13706.25	2941.66	0.48
Salt	Salt	200.75	20_year	Preproj_Design	82000.00	937.28	947.36	945.24	948.06	0.002531	7.41	12391.96	2828.41	0.56
Salt	Salt	200.75	20_year	Withprj_Design	82000.00	937.28	947.72	945.24	948.34	0.002074	6.96	13172.75	2881.71	0.51
Salt	Salt	200.75	50_year	Preproj	130000.00	937.28	950.64	946.50	951.24	0.001235	6.94	23972.19	3468.07	0.42
Salt	Salt	200.75	50_year	TRWithprj	130000.00	937.28	950.45	946.50	951.08	0.001331	7.11	23324.27	3453.70	0.43
Salt	Salt	200.75	50_year	Preproj_Design	130000.00	937.28	949.57	946.50	950.37	0.001921	7.98	20336.85	3310.82	0.51
Salt	Salt	200.75	50_year	Withprj_Design	130000.00	937.28	950.10	946.50	950.79	0.001531	7.43	22122.93	3396.27	0.46
Salt	Salt	200.75	100_year	Preproj	162000.00	937.28	951.94	947.24	952.60	0.001134	7.32	28582.59	3634.11	0.41
Salt	Salt	200.75	100_year	TRWithprj	162000.00	937.28	951.58	947.24	952.30	0.001285	7.62	27293.89	3595.99	0.43
Salt	Salt	200.75	100_year	Preproj_Design	162000.00	937.28	950.80	947.24	951.67	0.001714	8.34	24539.87	3484.87	0.50
Salt	Salt	200.75	100_year	Withprj_Design	162000.00	937.28	951.24	947.24	952.01	0.001452	7.91	26066.53	3530.72	0.46
Salt	Salt	200.75	Typ Peak_year	Preproj	4400.00	937.28	941.80	940.70	942.15	0.002532	4.77	921.50	1186.19	0.54
Salt	Salt	200.75	Typ Peak_year	TRWithprj	4400.00	937.28	941.80	940.70	942.15	0.002532	4.77	921.50	1186.19	0.54
Salt	Salt	200.75	Typ Peak_year	Preproj_Design	4400.00	937.28	941.80	940.70	942.15	0.002532	4.77	921.50	1186.19	0.54
Salt	Salt	200.75	Typ Peak_year	Withprj_Design	4400.00	937.28	941.80	940.70	942.15	0.002532	4.77	921.50	1186.19	0.54
Salt	Salt	200.68	5_year	Preproj	19500.00	937.28	942.63	941.81	943.39	0.004594	7.02	2778.15	1528.78	0.67
Salt	Salt	200.68	5_year	TRWithprj	19500.00	937.28	942.33	941.81	943.25	0.006047	7.69	2534.94	1516.06	0.77
Salt	Salt	200.68	5_year	Preproj_Design	19500.00	937.28	942.01	941.81	943.15	0.008364	8.57	2274.50	1503.05	0.90
Salt	Salt	200.68	5_year	Withprj_Design	19500.00	937.28	942.03	941.81	943.16	0.008159	8.50	2293.61	1504.04	0.89
Salt	Salt	200.68	10_year	Preproj	49000.00	937.28	945.40	943.01	945.75	0.001057	4.81	10271.62	2232.42	0.34
Salt	Salt	200.68	10_year	TRWithprj	49000.00	937.28	945.34	943.01	945.70	0.001090	4.85	10170.80	2200.81	0.35
Salt	Salt	200.68	10_year	Preproj_Design	49000.00	937.28	944.85	943.01	945.28	0.001391	5.21	9363.94	2034.37	0.39
Salt	Salt	200.68	10_year	Withprj_Design	49000.00	937.28	945.29	943.01	945.65	0.001118	4.89	10085.00	2176.22	0.35
Salt	Salt	200.68	20_year	Preproj	82000.00	937.28	947.60	943.34	948.07	0.000990	5.74	15018.32	2945.73	0.35
Salt	Salt	200.68	20_year	TRWithprj	82000.00	937.28	947.48	943.34	947.96	0.001043	5.83	14764.00	2924.68	0.36
Salt	Salt	200.68	20_year	Preproj_Design	82000.00	937.28	946.63	943.34	947.25	0.001504	6.53	13094.77	2590.70	0.43
Salt	Salt	200.68	20_year	Withprj_Design	82000.00	937.28	947.15	943.34	947.68	0.001195	6.08	14120.44	2792.23	0.38
Salt	Salt	200.68	50_year	Preproj	130000.00	937.28	950.25	944.97	950.80	0.000861	6.47	24880.63	3356.06	0.35
Salt	Salt	200.68	50_year	TRWithprj	130000.00	937.28	950.03	944.97	950.61	0.000928	6.63	24151.47	3282.76	0.36
Salt	Salt	200.68	50_year	Preproj_Design	130000.00	937.28	948.93	944.97	949.70	0.001367	7.50	20708.91	3052.74	0.43
Salt	Salt	200.68	50_year	Withprj_Design	130000.00	937.28	949.61	944.97	950.26	0.001068	6.93	22803.56	3110.19	0.38
Salt	Salt	200.68	100_year	Preproj	162000.00	937.28	951.57	945.93	952.19	0.000835	6.93	29480.49	3565.64	0.35
Salt	Salt	200.68	100_year	TRWithprj	162000.00	937.28	951.15	945.93	951.84	0.000955	7.24	28002.10	3543.77	0.37
Salt	Salt	200.68	100_year	Preproj_Design	162000.00	937.28	950.20	945.93	951.05	0.001306	8.02	24721.90	3338.81	0.43
Salt	Salt	200.68	100_year	Withprj_Design	162000.00	937.28	950.74	945.93	951.49	0.001089	7.56	26559.46	3490.46	0.40
Salt	Salt	200.68	Typ Peak_year	Preproj	4400.00	937.28	939.48	939.48	940.26	0.012334	7.09	620.72	852.86	1.00
Salt	Salt	200.68	Typ Peak_year	TRWithprj	4400.00	937.28	939.48	939.48	940.26	0.012334	7.09	620.72	852.86	1.00
Salt	Salt	200.68	Typ Peak_year	Preproj_Design	4400.00	937.28	939.48	939.48	940.26	0.012334	7.09	620.72	852.86	1.00
Salt	Salt	200.68	Typ Peak_year	Withprj_Design	4400.00	937.28	939.48	939.48	940.26	0.012334	7.09	620.72	852.86	1.00
Salt	Salt	200.6	5_year	Preproj	19500.00	932.82	942.24	938.76	942.47	0.000928	3.87	5037.74	1443.45	0.29
Salt	Salt	200.6	5_year	TRWithprj	19500.00	932.82	941.79	938.76	942.06	0.001206	4.21	4633.32	1387.05	0.33
Salt	Salt	200.6	5_year	Preproj_Design	19500.00	932.82	940.88	938.76	941.28	0.002180	5.11	3815.65	1333.90	0.44
Salt	Salt	200.6	5_year	Withprj_Design	19500.00	932.82	941.04	938.76	941.42	0.001948	4.92	3961.80	1343.35	0.41
Salt	Salt	200.6	10_year	Preproj	49000.00	932.82	944.73	941.16	945.22	0.001311	5.86	9417.51	2209.71	0.36
Salt	Salt	200.6	10_year	TRWithprj	49000.00	932.82	944.65	941.16	945.15	0.001356	5.92	9310.98	2196.32	0.37
Salt	Salt	200.6	10_year	Preproj_Design	49000.00	932.82	943.97	941.16	944.56	0.001807	6.47	8421.41	1983.94	0.42
Salt	Salt	200.6	10_year	Withprj_Design	49000.00	932.82	944.58	941.16	945.09	0.001396	5.98	9219.44	2183.93	0.37
Salt	Salt	200.6	20_year	Preproj	82000.00	932.82	947.03	942.49	947.59	0.001133	6.56	14804.48	2829.22	0.36
Salt	Salt	200.6	20_year	TRWithprj	82000.00	932.82	946.86	942.49	947.45	0.001214	6.72	14461.89	2807.91	0.37
Salt	Salt	200.6	20_year	Preproj_Design	82000.00	932.82	945.62	942.49	946.45	0.001999	7.94	12078.20	2411.92	0.47
Salt	Salt	200.6	20_year	Withprj_Design	82000.00	932.82	946.41	942.49	947.08	0.001460	7.16	13561.72	2709.73	0.41
Salt	Salt	200.6	50_year	Preproj	130000.00	932.82	949.82	943.98	950.41	0.000901	6.95	25562.49	3322.54	0.34
Salt	Salt	200.6	50_year	TRWithprj	130000.00	932.82	949.56	943.98	950.18	0.000988	7.19	24676.11	3309.46	0.35
Salt	Salt	200.6	50_year	Preproj_Design	130000.00	932.82	948.07	943.98	949.00	0.001687	8.68	19939.32	3091.46	0.45
Salt	Salt	200.6	50_year	Withprj_Design	130000.00	932.82	949.04	943.98	949.75	0.001182	7.65	22972.27	3220.19	0.39
Salt	Salt	200.6	100_year	Preproj	162000.00	932.82	951.17	945.68	951.81	0.000857	7.34	30071.11	3365.32	0.34
Salt	Salt	200.6	100_year	TRWithprj	162000.00	932.82	950.68	945.68	951.39	0.001002	7.76	28416.59	3356.01	0.37
Salt	Salt	200.6	100_year	Preproj_Design	162000.00	932.82	949.43	945.68	950.41	0.001525	9.02	24251.56	3302.60	0.45
Salt	Salt	200.6	100_year	Withprj_Design	162000.00	932.82	950.17	945.68	950.98	0.001180	8.23	26713.43	3338.56	0.40
Salt	Salt	200.6	Typ Peak_year	Preproj	4400.00	932.82	938.04	936.37	938.17	0.001344	2.85	1544.38	781.41	0.33
Salt	Salt	200.6	Typ Peak_year	TRWithprj	4400.00	932.82	937.71	936.37	937.88	0.001962	3.30	1334.92	720.26	0.39
Salt	Salt	200.6	Typ Peak_year	Preproj_Design	4400.00	932.82	937.60	936.37	937.79	0.002269	3.47	1267.76	707.37	0.41
Salt	Salt	200.6	Typ Peak_year	Withprj_Design	4400.00	932.82	937.58	936.37	937.77	0.002316	3.50	1257.97	705.98	0.42
Salt	Salt	200.52	5_year	Preproj	19500.00	932.45	941.88	937.39	942.06	0.000961	3.38	5766.81	1490.90	0.24
Salt	Salt	200.52	5_year	TRWithprj	19500.00	932.45	941.31	937.39	941.52	0.001302	3.72	5238.54	1347.10	0.27
Salt	Salt	200.52	5_year	Preproj_Design	19500.00	932.45	939.79	937.39	940.19	0.003186	5.04	3870.85	1144.71	0.42
Salt	Salt	200.52	5_year	Withprj_Design	19500.00	932.45	940.13	937.39	940.47	0.002587	4.68	4164.16	1194.62	0.38
Salt	Salt	200.52	10_year	Preproj	49000.00	932.45	944.28	939.96	944.62	0.001278	4.98	10899.92	2286.61	0.30
Salt	Salt	200.52	10_year	TRWithprj	49000.00	932.45	944.02	939.96	944.49	0.001725	5.67	9043.25	2188.69	0.35
Salt	Salt	200.52	10_year	Preproj_Design	49000.00	932.45	942.95	939.96	943.60	0.002810	6.65	7646.46	1798.11	0.43
Salt	Salt	200.52	10_year	Withprj_Design	49000.00	932.45	943.92	939.96	944.41	0.001802	5.76	8915.83	2123.18	0.35
Salt	Salt	200.52	20_year	Preproj	82000.00	932.45	946.62	942.01	947.06	0.001117	5.75	17217.65	2747.81	0.31
Salt	Salt	200.52	20_year	TRWithprj	82000.00	932.45	946.36	942.01	946.87	0.001314	6.14	14731.48	2697.19	0.33
Salt	Salt	200.52	20_year	Preproj_Design	82000.00	932.45	944.54	942.01	945.42	0.002834	8.01	11390.89	2326.26	0.47
Salt	Salt	200.52	20_year	Withprj_Design	82000.00	932.45	945.78	942.01	946.38	0.001659	6.66	13655.14	2573.30	0.37
Salt	Salt	200.52	50_year	Preproj	130000.00	932.45	949.46	943.35	949.99	0.000933	6.36	25666.89	3103.22	0.30
Salt	Salt	200.52	50_year	TRWithprj	130000.00	932.45	949.14	943.35	949.71	0.001066	6.69	24684.43	3078.33	0.32
Salt	Salt	200.52	50_year	Preproj_Design	130000.00	932.45	947.27	943.35	948.19	0.002016	8.36	19066.51	2898.01	0.43

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	200.52	50_year	Withprj_Design	130000.00	932.45	948.52	943.35	949.19	0.001314	7.21	22783.17	3039.47	0.35
Salt	Salt	200.52	100_year	Preproj	162000.00	932.45	950.81	944.94	951.41	0.000895	6.84	30066.85	3379.92	0.31
Salt	Salt	200.52	100_year	TRWithprj	162000.00	932.45	950.24	944.94	950.92	0.001093	7.37	28168.97	3239.93	0.34
Salt	Salt	200.52	100_year	Preproj_Design	162000.00	932.45	948.72	944.94	949.69	0.001737	8.64	23410.90	3050.97	0.42
Salt	Salt	200.52	100_year	Withprj_Design	162000.00	932.45	949.64	944.94	950.42	0.001319	7.87	26234.44	3168.16	0.37
Salt	Salt	200.52	Typ Peak_year	Preproj	4400.00	932.45	937.65	935.10	937.71	0.000849	2.01	2186.39	703.51	0.20
Salt	Salt	200.52	Typ Peak_year	TRWithprj	4400.00	932.45	937.02	935.10	937.12	0.001592	2.50	1762.92	649.23	0.27
Salt	Salt	200.52	Typ Peak_year	Preproj_Design	4400.00	932.45	936.68	935.10	936.81	0.002324	2.84	1550.40	614.34	0.31
Salt	Salt	200.52	Typ Peak_year	Withprj_Design	4400.00	932.45	936.59	935.10	936.73	0.002583	2.94	1495.74	611.57	0.33
Salt	Salt	200.47	5_year	Preproj	19500.00	931.67	941.68	937.41	941.86	0.000748	3.39	5750.35	1621.69	0.23
Salt	Salt	200.47	5_year	TRWithprj	19500.00	931.67	941.03	937.41	941.25	0.001044	3.77	5171.55	1508.73	0.27
Salt	Salt	200.47	5_year	Preproj_Design	19500.00	931.67	938.59	937.41	939.23	0.005117	6.44	3026.99	1064.45	0.61
Salt	Salt	200.47	5_year	Withprj_Design	19500.00	931.67	939.42	937.41	939.84	0.002759	5.19	3755.61	1203.32	0.44
Salt	Salt	200.47	10_year	Preproj	49000.00	931.67	944.01	939.74	944.34	0.001035	4.95	11759.22	2304.38	0.29
Salt	Salt	200.47	10_year	TRWithprj	49000.00	931.67	943.76	939.74	944.12	0.001157	5.15	11202.79	2216.27	0.31
Salt	Salt	200.47	10_year	Preproj_Design	49000.00	931.67	942.10	939.74	942.90	0.003043	7.33	7051.45	1684.94	0.49
Salt	Salt	200.47	10_year	Withprj_Design	49000.00	931.67	943.48	939.74	944.00	0.001620	5.97	8978.56	2036.97	0.37
Salt	Salt	200.47	20_year	Preproj	82000.00	931.67	946.36	941.63	946.81	0.000995	5.88	17861.96	2753.48	0.31
Salt	Salt	200.47	20_year	TRWithprj	82000.00	931.67	946.09	941.63	946.57	0.001111	6.12	17121.25	2719.57	0.33
Salt	Salt	200.47	20_year	Preproj_Design	82000.00	931.67	943.64	941.63	944.69	0.003163	8.81	10927.84	2141.33	0.54
Salt	Salt	200.47	20_year	Withprj_Design	82000.00	931.67	945.41	941.63	946.00	0.001454	6.72	15297.96	2658.74	0.37
Salt	Salt	200.47	50_year	Preproj	130000.00	931.67	949.23	943.60	949.76	0.000883	6.62	26198.66	3195.59	0.31
Salt	Salt	200.47	50_year	TRWithprj	130000.00	931.67	948.88	943.60	949.46	0.000997	6.92	25128.67	2969.57	0.33
Salt	Salt	200.47	50_year	Preproj_Design	130000.00	931.67	946.67	943.60	947.69	0.002078	8.92	18731.14	2790.86	0.47
Salt	Salt	200.47	50_year	Withprj_Design	130000.00	931.67	948.18	943.60	948.87	0.001250	7.49	23064.55	2931.34	0.37
Salt	Salt	200.47	100_year	Preproj	162000.00	931.67	950.62	944.42	951.19	0.000836	7.02	31121.19	3676.78	0.32
Salt	Salt	200.47	100_year	TRWithprj	162000.00	931.67	949.99	944.42	950.66	0.001023	7.56	28828.31	3624.30	0.35
Salt	Salt	200.47	100_year	Preproj_Design	162000.00	931.67	948.21	944.42	949.25	0.001796	9.22	23145.67	2936.51	0.45
Salt	Salt	200.47	100_year	Withprj_Design	162000.00	931.67	949.30	944.42	950.11	0.001266	8.16	26444.25	3221.23	0.38
Salt	Salt	200.47	Typ Peak_year	Preproj	4400.00	931.67	937.47	934.84	937.53	0.000671	2.10	2097.06	776.42	0.22
Salt	Salt	200.47	Typ Peak_year	TRWithprj	4400.00	931.67	936.62	934.84	936.75	0.001522	2.85	1541.31	579.36	0.31
Salt	Salt	200.47	Typ Peak_year	Preproj_Design	4400.00	931.67	934.84	934.84	935.58	0.017660	6.91	637.20	430.08	1.00
Salt	Salt	200.47	Typ Peak_year	Withprj_Design	4400.00	931.67	935.40	934.84	935.78	0.006882	4.93	891.75	470.51	0.63
Salt	Salt	200.4	5_year	Preproj	19500.00	931.55	941.42	936.83	941.59	0.000598	3.38	5767.18	1520.29	0.23
Salt	Salt	200.4	5_year	TRWithprj	19500.00	925.69	940.56	932.88	940.66	0.001890	2.35	7849.71	1397.33	0.14
Salt	Salt	200.4	5_year	Preproj_Design	19500.00	924.00	938.46	931.81	938.64	0.000462	3.44	5673.23	1104.23	0.22
Salt	Salt	200.4	5_year	Withprj_Design	19500.00	924.00	938.05	931.82	938.23	0.005750	3.37	5718.83	1058.78	0.22
Salt	Salt	200.4	10_year	Preproj	49000.00	931.55	943.53	939.16	943.90	0.001006	5.23	11043.37	2300.58	0.31
Salt	Salt	200.4	10_year	TRWithprj	49000.00	925.69	942.99	936.78	943.33	0.003702	4.42	10897.80	1983.10	0.23
Salt	Salt	200.4	10_year	Preproj_Design	49000.00	924.00	941.78	935.51	942.21	0.000827	5.45	9815.52	1523.06	0.29
Salt	Salt	200.4	10_year	Withprj_Design	49000.00	924.00	942.60	935.51	942.96	0.004004	4.51	10540.09	1816.83	0.23
Salt	Salt	200.4	20_year	Preproj	82000.00	931.55	945.88	941.19	946.37	0.000997	6.19	17596.11	3083.38	0.33
Salt	Salt	200.4	20_year	TRWithprj	82000.00	925.69	945.52	938.48	945.84	0.002549	5.02	19236.48	3002.88	0.24
Salt	Salt	200.4	20_year	Preproj_Design	82000.00	924.00	942.83	938.12	943.77	0.001544	8.14	11295.63	1875.59	0.42
Salt	Salt	200.4	20_year	Withprj_Design	82000.00	924.00	944.62	938.16	945.05	0.003473	5.60	16392.94	2661.60	0.27
Salt	Salt	200.4	50_year	Preproj	130000.00	931.55	948.86	943.15	949.39	0.000817	6.65	27424.20	3687.74	0.31
Salt	Salt	200.4	50_year	TRWithprj	130000.00	925.69	948.48	940.72	948.87	0.001628	5.86	28740.32	3625.75	0.25
Salt	Salt	200.4	50_year	Preproj_Design	130000.00	924.00	946.09	940.81	946.99	0.001208	8.49	20521.73	3101.40	0.38
Salt	Salt	200.4	50_year	Withprj_Design	130000.00	924.00	947.63	940.40	948.13	0.002158	6.50	25392.89	3217.74	0.28
Salt	Salt	200.4	100_year	Preproj	162000.00	931.55	950.28	944.53	950.84	0.000764	6.99	32823.95	3869.81	0.31
Salt	Salt	200.4	100_year	TRWithprj	162000.00	925.69	949.63	942.76	950.12	0.001286	6.67	33047.78	3836.73	0.28
Salt	Salt	200.4	100_year	Preproj_Design	162000.00	924.00	947.69	942.30	948.62	0.001116	8.84	25581.35	3222.02	0.38
Salt	Salt	200.4	100_year	Withprj_Design	162000.00	924.00	948.82	942.26	949.43	0.001685	7.39	29446.87	3684.30	0.31
Salt	Salt	200.4	Typ Peak_year	Preproj	4400.00	931.55	937.28	934.35	937.33	0.000386	1.80	2439.32	823.96	0.18
Salt	Salt	200.4	Typ Peak_year	TRWithprj	4400.00	925.69	936.15	929.30	936.18	0.001211	1.22	3659.34	859.70	0.10
Salt	Salt	200.4	Typ Peak_year	Preproj_Design	4400.00	924.00	934.63	927.85	934.66	0.000114	1.45	3029.41	541.22	0.11
Salt	Salt	200.4	Typ Peak_year	Withprj_Design	4400.00	924.00	934.32	927.85	934.36	0.001913	1.54	2863.48	526.54	0.12
Salt	Salt	200.31	5_year	Preproj	19500.00	931.67	941.15	936.20	941.33	0.000528	3.41	5710.23	1513.81	0.23
Salt	Salt	200.31	5_year	TRWithprj	19500.00	925.67	940.35	931.61	940.42	0.000218	2.25	8894.21	1415.98	0.12
Salt	Salt	200.31	5_year	Preproj_Design	19500.00	924.00	938.32	929.75	938.47	0.000253	3.13	6295.79	1175.58	0.18
Salt	Salt	200.31	5_year	Withprj_Design	19500.00	924.00	937.62	929.80	937.75	0.000383	2.89	6768.71	880.40	0.17
Salt	Salt	200.31	10_year	Preproj	49000.00	931.67	943.07	939.03	943.44	0.000934	5.27	11017.79	2297.45	0.32
Salt	Salt	200.31	10_year	TRWithprj	49000.00	925.67	942.43	934.47	942.70	0.000640	4.36	13185.73	1899.04	0.22
Salt	Salt	200.31	10_year	Preproj_Design	49000.00	924.00	941.57	933.78	941.88	0.000471	4.57	11912.99	1579.16	0.23
Salt	Salt	200.31	10_year	Withprj_Design	49000.00	924.00	942.06	933.47	942.35	0.000592	4.41	12703.05	1700.46	0.22
Salt	Salt	200.31	20_year	Preproj	82000.00	931.67	945.42	941.08	945.91	0.000933	6.20	17384.37	2916.86	0.33
Salt	Salt	200.31	20_year	TRWithprj	82000.00	925.67	944.78	936.75	945.20	0.000804	5.62	19055.74	2819.26	0.26
Salt	Salt	200.31	20_year	Preproj_Design	82000.00	924.00	942.43	936.53	943.13	0.000950	6.97	13345.87	1796.34	0.34
Salt	Salt	200.31	20_year	Withprj_Design	82000.00	924.00	943.70	935.81	944.24	0.000964	6.22	16010.98	2400.41	0.29
Salt	Salt	200.31	50_year	Preproj	130000.00	931.67	948.46	942.77	949.00	0.000803	6.79	27276.31	3489.57	0.32
Salt	Salt	200.31	50_year	TRWithprj	130000.00	925.67	947.83	939.59	948.33	0.000777	6.46	28603.73	3459.62	0.27
Salt	Salt	200.31	50_year	Preproj_Design	130000.00	924.00	945.66	939.82	946.47	0.000904	7.88	21260.55	2867.06	0.35
Salt	Salt	200.31	50_year	Withprj_Design	130000.00	924.00	946.80	938.82	947.45	0.000955	7.18	24753.66	3184.78	0.30
Salt	Salt	200.31	100_year	Preproj	162000.00	931.67	949.90	944.03	950.47	0.000757	7.12	32312.16	3531.61	0.32
Salt	Salt	200.31	100_year	TRWithprj	162000.00	925.67	949.06	941.03	949.63	0.000783	7.03	32894.48	3507.33	0.29
Salt	Salt	200.31	100_year	Preproj_Design	162000.00	924.00	947.23	941.51	948.13	0.000905	8.47	26160.46	3359.74	0.36
Salt	Salt	200.31	100_year	Withprj_Design	162000.00	924.00	948.06	940.46	948.81	0.000974	7.84	29012.52	3477.28	0.32
Salt	Salt	200.31	Typ Peak_year	Preproj	4400.00	931.67	937.12	933.73	937.17	0.000288	1.77	2485.69	799.59	0.16
Salt	Salt	200.31	Typ Peak_year	TRWithprj	4400.00	925.67	936.09	927.89	936.11	0.000052	0.89	4964.86	761.27	0.06
Salt	Salt	200.31	Typ Peak_year	Preproj_Design	4400.00	924.00	934.61	926.27	934.63	0.000044	1.12	3926.32	708.20	0.08
Salt	Salt	200.31	Typ Peak_year	Withprj_Design	4400.00	924.00	934.25	926.27	934.27	0.000063	1.04	4242.79	700.01	0.07
Salt	Salt	200.22	5_year	Preproj	19500.00	931.78	941.02	935.21	941.15	0.000244	2.93	6655.54	1435.04	0.19
Salt	Salt	200.22	5_year	TRWithprj	19500.00	925.63	940.29	930.42	940.35	0.000109	1.88	10653.73	1374.53	0.10
Salt	Salt	200.22	5_year	Preproj_Design	19500.00	924.00	938.29	928.16	938.38	0.000096	2.40	8283.67	1266.06	0.13
Salt	Salt	200.22	5_year	Withprj_Design	19500.00	924.00	937.55	928.19	937.63	0.000150	2.20	8945.88	1086.08	0.13
Salt	Salt	200.22	10_year	Preproj	49000.00	931.78	942.71	938.01	943.09	0.000613	5.22	11435.10	2065.40	0.30
Salt	Salt	200.22	10_year	TRWithprj	49000.00	925.63	942.24	933.41	942.46	0.000366	3.84	14380.10	1903.03	0.19
Salt	Salt	200.22	10_year	Preproj_Design	49000.00	924.00	941.50	931.33	941.71	0.000211	3.73	14185.55	1531.04	0.18
Salt	Salt	200.22	10_year	Withprj_Design	49000.00	924.00	941.95	931.34	942.14	0.000272	3.62	14904.18	1685.97	0.17
Salt	Salt	200.22	20_year	Preproj	82000.00	931.78	944.91	939.92	945.51	0.000763	6.65	16486.05	2550.23	0.35
Salt	Salt	200.22	20_year	TRWithprj	82000.00	925.63	944.50	935.51	944.88	0.000532	5.22	19336.09	2425.84	0.24
Salt	Salt	200.22	20_year	Preproj_Design	82000.00	924.00	942.26	933.86	942.77	0.000472	5.84	15481.66	1890.95	0.27
Salt	Salt	200.22	20_year	Withprj_Design	82000.00	924.00	943.47	933.53	943.89	0.000505	5.33	17906.86	2107.36	0.24
Salt	Salt	200.22	50_year	Preproj	130000.00	931.78	947.91	941.73	948.62	0.000739	7.58	25053.72	3094.53	0.35
Salt	Salt	200.22	50_year	TRWithprj	130000.00	925.63	947.48	938.20	948.01	0.000602	6.37	27609.27	3082.01	0.27

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	200.22	50_year	Preproj_Design	130000.00	924.00	945.39	937.25	946.12	0.000560	7.21	22323.98	2437.45	0.31
Salt	Salt	200.22	50_year	Withprj_Design	130000.00	924.00	946.47	936.41	947.08	0.000614	6.67	25151.17	3037.98	0.27
Salt	Salt	200.22	100_year	Preproj	162000.00	931.78	949.32	943.15	950.10	0.000740	8.08	29450.21	3138.04	0.36
Salt	Salt	200.22	100_year	TRWithprj	162000.00	925.63	948.65	939.51	949.28	0.000660	7.08	31242.13	3116.84	0.29
Salt	Salt	200.22	100_year	Preproj_Design	162000.00	924.00	946.91	939.06	947.78	0.000607	7.96	26509.82	3065.89	0.32
Salt	Salt	200.22	100_year	Withprj_Design	162000.00	924.00	947.68	938.13	948.43	0.000685	7.46	28887.40	3087.92	0.30
Salt	Salt	200.22	Typ Peak_year	Preproj	4400.00	931.78	937.06	933.15	937.09	0.000104	1.37	3222.81	977.43	0.12
Salt	Salt	200.22	Typ Peak_year	TRWithprj	4400.00	925.63	936.08	927.39	936.09	0.000026	0.72	6164.61	947.91	0.05
Salt	Salt	200.22	Typ Peak_year	Preproj_Design	4400.00	924.00	934.61	925.56	934.61	0.000016	0.79	5556.00	807.00	0.05
Salt	Salt	200.22	Typ Peak_year	Withprj_Design	4400.00	924.00	934.24	925.57	934.25	0.000024	0.73	6026.24	796.69	0.05
Salt	Salt	200.11	5_year	Preproj	19500.00	931.98	940.79	936.38	940.96	0.000433	3.35	5817.42	1458.03	0.23
Salt	Salt	200.11	5_year	TRWithprj	19500.00	925.63	940.15	932.73	940.20	0.001016	1.82	10455.56	1464.28	0.11
Salt	Salt	200.11	5_year	Preproj_Design	19500.00	924.00	937.92	934.42	938.22	0.001471	4.44	4469.20	1237.53	0.32
Salt	Salt	200.11	5_year	Withprj_Design	19500.00	924.00	937.29	931.67	937.39	0.003020	2.58	7567.27	1232.60	0.18
Salt	Salt	200.11	10_year	Preproj	49000.00	931.98	942.38	938.59	942.72	0.000654	4.69	11218.12	1728.25	0.29
Salt	Salt	200.11	10_year	TRWithprj	49000.00	925.63	941.79	935.06	942.01	0.002598	3.76	13182.29	1677.79	0.21
Salt	Salt	200.11	10_year	Preproj_Design	49000.00	924.00	941.30	937.33	941.53	0.000469	3.91	12976.57	1501.35	0.21
Salt	Salt	200.11	10_year	Withprj_Design	49000.00	924.00	941.57	934.22	941.79	0.002379	3.68	13253.24	1517.08	0.20
Salt	Salt	200.11	20_year	Preproj	82000.00	931.98	944.46	940.56	945.04	0.000858	6.21	15284.04	2087.70	0.34
Salt	Salt	200.11	20_year	TRWithprj	82000.00	925.63	943.92	936.88	944.29	0.002566	5.08	17215.03	2133.07	0.25
Salt	Salt	200.11	20_year	Preproj_Design	82000.00	924.00	941.78	939.34	942.37	0.001010	6.25	13710.40	1537.36	0.33
Salt	Salt	200.11	20_year	Withprj_Design	82000.00	924.00	942.84	936.27	943.28	0.003135	5.47	15465.27	1925.36	0.28
Salt	Salt	200.11	50_year	Preproj	130000.00	931.98	947.45	941.05	948.16	0.000845	7.28	22616.61	2604.26	0.35
Salt	Salt	200.11	50_year	TRWithprj	130000.00	925.63	946.93	938.78	947.43	0.001764	6.07	24470.89	2588.01	0.27
Salt	Salt	200.11	50_year	Preproj_Design	130000.00	924.00	944.85	940.81	945.68	0.000988	7.52	19626.28	2048.58	0.35
Salt	Salt	200.11	50_year	Withprj_Design	130000.00	924.00	945.85	938.21	946.47	0.002182	6.60	21802.06	2423.57	0.30
Salt	Salt	200.11	100_year	Preproj	162000.00	931.98	948.83	942.22	949.63	0.000873	7.92	26237.38	2715.65	0.36
Salt	Salt	200.11	100_year	TRWithprj	162000.00	925.63	948.09	939.89	948.72	0.001463	6.89	27485.00	2624.18	0.30
Salt	Salt	200.11	100_year	Preproj_Design	162000.00	924.00	946.33	940.81	947.32	0.001008	8.30	23142.92	2557.05	0.37
Salt	Salt	200.11	100_year	Withprj_Design	162000.00	924.00	947.03	939.32	947.81	0.001808	7.50	24791.17	2577.11	0.33
Salt	Salt	200.11	Typ Peak_year	Preproj	4400.00	931.98	936.95	934.24	937.00	0.000277	1.69	2596.49	1180.99	0.17
Salt	Salt	200.11	Typ Peak_year	TRWithprj	4400.00	925.63	936.04	930.16	936.05	0.000471	0.82	5370.73	1125.11	0.07
Salt	Salt	200.11	Typ Peak_year	Preproj_Design	4400.00	924.00	934.50	931.73	934.58	0.000909	2.25	1955.03	984.11	0.22
Salt	Salt	200.11	Typ Peak_year	Withprj_Design	4400.00	924.00	934.19	928.09	934.20	0.001082	1.06	4155.66	976.15	0.09
Salt	Salt	200.02	5_year	Preproj	19500.00	931.98	940.61	936.22	940.77	0.000395	3.21	6078.10	1751.18	0.22
Salt	Salt	200.02	5_year	TRWithprj	19500.00	925.62	939.98	932.32	940.03	0.000192	1.78	11415.84	1705.05	0.11
Salt	Salt	200.02	5_year	Preproj_Design	19500.00	924.00	937.36	934.56	937.67	0.000976	4.44	4462.63	1345.89	0.34
Salt	Salt	200.02	5_year	Withprj_Design	19500.00	924.00	936.74	931.83	936.85	0.000611	2.70	7335.42	1321.74	0.19
Salt	Salt	200.02	10_year	Preproj	49000.00	931.98	942.12	938.38	942.41	0.000612	4.55	12455.05	1947.80	0.28
Salt	Salt	200.02	10_year	TRWithprj	49000.00	925.62	941.20	934.97	941.42	0.000737	3.86	13455.96	1820.83	0.21
Salt	Salt	200.02	10_year	Preproj_Design	49000.00	924.00	940.37	936.83	941.13	0.001401	7.05	7125.68	1546.24	0.43
Salt	Salt	200.02	10_year	Withprj_Design	49000.00	924.00	941.05	934.50	941.26	0.000653	3.75	13304.88	1621.80	0.21
Salt	Salt	200.02	20_year	Preproj	82000.00	931.98	944.15	940.25	944.63	0.000780	5.96	16264.17	2203.10	0.33
Salt	Salt	200.02	20_year	TRWithprj	82000.00	925.62	943.18	936.54	943.57	0.001005	5.23	17020.14	2030.07	0.27
Salt	Salt	200.02	20_year	Preproj_Design	82000.00	924.00	941.36	938.83	941.92	0.000885	6.14	13962.25	1648.25	0.33
Salt	Salt	200.02	20_year	Withprj_Design	82000.00	924.00	941.87	936.05	942.38	0.001306	5.76	14573.77	1696.18	0.30
Salt	Salt	200.02	50_year	Preproj	130000.00	931.98	947.15	940.81	947.76	0.000749	6.94	23055.86	2454.26	0.34
Salt	Salt	200.02	50_year	TRWithprj	130000.00	925.62	946.30	938.54	946.83	0.000952	6.20	23751.07	2438.48	0.28
Salt	Salt	200.02	50_year	Preproj_Design	130000.00	924.00	944.45	940.81	945.23	0.000888	7.35	19600.07	2351.69	0.35
Salt	Salt	200.02	50_year	Withprj_Design	130000.00	924.00	945.04	937.94	945.71	0.001220	6.82	20730.68	2377.05	0.32
Salt	Salt	200.02	100_year	Preproj	162000.00	931.98	948.49	941.57	949.22	0.000789	7.62	26240.71	2558.83	0.35
Salt	Salt	200.02	100_year	TRWithprj	162000.00	925.62	947.49	939.70	948.16	0.000978	6.98	26500.10	2461.83	0.30
Salt	Salt	200.02	100_year	Preproj_Design	162000.00	924.00	945.92	940.81	946.85	0.000918	8.07	22894.10	2426.47	0.36
Salt	Salt	200.02	100_year	Withprj_Design	162000.00	924.00	946.27	939.08	947.10	0.001240	7.66	23516.64	2437.98	0.34
Salt	Salt	200.02	Typ Peak_year	Preproj	4400.00	931.98	936.82	934.48	936.86	0.000287	1.63	2691.15	1338.80	0.16
Salt	Salt	200.02	Typ Peak_year	TRWithprj	4400.00	925.62	935.97	928.93	935.98	0.000067	0.78	5671.09	1261.41	0.06
Salt	Salt	200.02	Typ Peak_year	Preproj_Design	4400.00	924.00	934.10	931.71	934.20	0.000738	2.53	1741.46	1198.08	0.30
Salt	Salt	200.02	Typ Peak_year	Withprj_Design	4400.00	924.00	934.04	928.21	934.06	0.000141	1.12	3945.61	1195.91	0.11
Salt	Salt	199.98	5_year	Preproj	19500.00	932.56	940.45	936.74	940.66	0.000595	3.66	5335.00	1777.09	0.26
Salt	Salt	199.98	5_year	TRWithprj	19500.00	925.61	939.93	932.17	939.98	0.000219	1.77	11087.52	1736.43	0.10
Salt	Salt	199.98	5_year	Preproj_Design	19500.00	924.00	937.03	934.57	937.41	0.001225	4.98	3971.63	1441.23	0.39
Salt	Salt	199.98	5_year	Withprj_Design	19500.00	924.00	936.61	930.98	936.72	0.000598	2.60	7545.07	1427.60	0.18
Salt	Salt	199.98	10_year	Preproj	49000.00	932.56	941.99	938.92	942.28	0.000682	4.54	12087.78	1869.45	0.29
Salt	Salt	199.98	10_year	TRWithprj	49000.00	925.61	941.03	934.54	941.24	0.000810	3.79	14014.32	1818.24	0.21
Salt	Salt	199.98	10_year	Preproj_Design	49000.00	924.00	939.78	937.04	940.74	0.001865	7.93	6302.48	1660.77	0.50
Salt	Salt	199.98	10_year	Withprj_Design	49000.00	924.00	940.92	933.61	941.11	0.000645	3.62	14585.83	1862.27	0.20
Salt	Salt	199.98	20_year	Preproj	82000.00	932.56	943.99	940.71	944.47	0.000845	5.91	15922.26	2190.51	0.34
Salt	Salt	199.98	20_year	TRWithprj	82000.00	925.61	942.95	936.30	943.34	0.001079	5.17	17561.29	1908.33	0.26
Salt	Salt	199.98	20_year	Preproj_Design	82000.00	924.00	941.23	939.04	941.73	0.000686	5.79	15373.13	1883.08	0.31
Salt	Salt	199.98	20_year	Withprj_Design	82000.00	924.00	941.61	935.63	942.08	0.001294	5.62	15883.70	1911.74	0.30
Salt	Salt	199.98	50_year	Preproj	130000.00	932.56	947.01	940.75	947.62	0.000774	6.80	22851.16	2422.39	0.34
Salt	Salt	199.98	50_year	TRWithprj	130000.00	925.61	946.08	938.20	946.61	0.000995	6.15	24347.00	2400.15	0.28
Salt	Salt	199.98	50_year	Preproj_Design	130000.00	924.00	944.35	940.71	945.03	0.000695	6.88	21563.14	2248.88	0.32
Salt	Salt	199.98	50_year	Withprj_Design	130000.00	924.00	944.81	937.60	945.43	0.001163	6.59	22399.01	2288.77	0.31
Salt	Salt	199.98	100_year	Preproj	162000.00	932.56	948.35	941.76	949.06	0.000804	7.45	26120.76	2516.02	0.35
Salt	Salt	199.98	100_year	TRWithprj	162000.00	925.61	947.28	939.27	947.93	0.001010	6.91	27179.52	2431.83	0.30
Salt	Salt	199.98	100_year	Preproj_Design	162000.00	924.00	945.83	940.71	946.63	0.000728	7.57	24923.91	2393.94	0.34
Salt	Salt	199.98	100_year	Withprj_Design	162000.00	924.00	946.06	938.70	946.81	0.001170	7.37	25268.15	2399.46	0.33
Salt	Salt	199.98	Typ Peak_year	Preproj	4400.00	932.56	936.70	934.87	936.77	0.000652	2.07	2128.98	1338.93	0.23
Salt	Salt	199.98	Typ Peak_year	TRWithprj	4400.00	925.61	935.96	928.56	935.97	0.000070	0.74	5963.08	1287.08	0.06
Salt	Salt	199.98	Typ Peak_year	Preproj_Design	4400.00	924.00	933.92	931.62	934.04	0.000662	2.75	1600.70	936.64	0.26
Salt	Salt	199.98	Typ Peak_year	Withprj_Design	4400.00	924.00	934.02	926.91	934.03	0.000107	0.99	4436.64	1144.42	0.09
Salt	Salt	199.86	5_year	Preproj	19500.00	931.12	940.16	935.78	940.32	0.000452	3.23	6035.71	2078.42	0.22
Salt	Salt	199.86	5_year	TRWithprj	19500.00	925.60	939.81	931.35	939.86	0.000159	1.81	10884.23	2231.70	0.10
Salt	Salt	199.86	5_year	Preproj_Design	19500.00	924.00	936.93	929.37	937.03	0.000260	2.61	7467.22	1742.21	0.17
Salt	Salt	199.86	5_year	Withprj_Design	19500.00	924.00	936.33	929.38	936.43	0.000369	2.52	7755.47	1698.05	0.17
Salt	Salt	199.86	10_year	Preproj	49000.00	931.12	941.48	937.90	941.80	0.000880	5.08	12812.68	2348.58	0.32
Salt	Salt	199.86	10_year	TRWithprj	49000.00	925.60	940.47	933.78	940.75	0.000767	4.25	11661.19	2245.04	0.24
Salt	Salt	199.86	10_year	Preproj_Design	49000.00	924.00	939.58	932.76	939.95	0.000623	4.86	10083.30	2154.39	0.27
Salt	Salt	199.86	10_year	Withprj_Design	49000.00	924.00	940.51	932.72	940.74	0.000541	3.91	12665.95	2315.70	0.21
Salt	Salt	199.86	20_year	Preproj	82000.00	931.12	943.43	939.81	943.90	0.000987	6.27	17470.79	2400.95	0.35
Salt	Salt	199.86	20_year	TRWithprj	82000.00	925.60	942.42	935.84	942.75	0.000791	5.01	20186.87	2385.85	0.26
Salt	Salt	199.86	20_year	Preproj_Design	82000.00	924.00	940.19	935.13	941.11	0.001371	7.67	10688.94	2305.22	0.41
Salt	Salt	199.86	20_year	Withprj_Design	82000.00	924.00	940.93	934.79	941.37	0.000998	5.63	17471.15	2332.58	0.30
Salt	Salt	199.86	50_year	Preproj	130000.00	931.12	946.57	940.86	947.10	0.000809	6.86	25142.07	2544.19	0.33

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Salt	Salt	199.86	50_year	TRWithprj	130000.00	925.60	945.64	937.80	946.07	0.000705	5.75	27984.68	2460.90	0.26
Salt	Salt	199.86	50_year	Preproj_Design	130000.00	924.00	944.04	937.50	944.56	0.000666	6.28	25083.26	2410.18	0.29
Salt	Salt	199.86	50_year	Withprj_Design	130000.00	924.00	944.27	936.95	944.79	0.000847	6.30	25436.82	2418.28	0.29
Salt	Salt	199.86	100_year	Preproj	162000.00	931.12	947.92	941.90	948.53	0.000806	7.37	28576.40	2545.58	0.34
Salt	Salt	199.86	100_year	TRWithprj	162000.00	925.60	946.84	938.98	947.36	0.000736	6.40	30997.77	2545.16	0.28
Salt	Salt	199.86	100_year	Preproj_Design	162000.00	924.00	945.53	938.79	946.14	0.000671	6.83	28727.03	2455.93	0.30
Salt	Salt	199.86	100_year	Withprj_Design	162000.00	924.00	945.53	938.19	946.15	0.000864	6.93	28518.14	2455.86	0.31
Salt	Salt	199.86	Typ Peak_year	Preproj	4400.00	931.12	936.47	933.74	936.51	0.000280	1.58	2777.06	1344.32	0.16
Salt	Salt	199.86	Typ Peak_year	TRWithprj	4400.00	925.60	935.93	927.91	935.94	0.000040	0.70	6327.64	1448.90	0.05
Salt	Salt	199.86	Typ Peak_year	Preproj_Design	4400.00	924.00	933.92	926.13	933.93	0.000049	0.94	4682.71	920.77	0.07
Salt	Salt	199.86	Typ Peak_year	Withprj_Design	4400.00	924.00	933.98	926.13	933.99	0.000050	0.84	5216.86	921.82	0.06
Salt	Salt	199.69	5_year	Preproj	19500.00	931.79	939.58	935.79	939.85	0.000601	4.22	4617.43	1906.56	0.29
Salt	Salt	199.69	5_year	TRWithprj	19500.00	929.40	939.40	934.58	939.59	0.000728	3.50	5573.70	2122.83	0.23
Salt	Salt	199.69	5_year	Preproj_Design	19500.00	922.00	936.57	930.48	936.76	0.000326	3.56	5474.47	1814.81	0.22
Salt	Salt	199.69	5_year	Withprj_Design	19500.00	922.00	935.67	930.65	935.94	0.000810	4.24	4601.39	1663.98	0.29
Salt	Salt	199.69	10_year	Preproj	49000.00	931.79	940.56	938.36	940.97	0.000999	5.98	11076.51	2054.78	0.39
Salt	Salt	199.69	10_year	TRWithprj	49000.00	929.40	939.94	937.32	940.09	0.000642	3.51	15756.84	2181.73	0.23
Salt	Salt	199.69	10_year	Preproj_Design	49000.00	922.00	938.37	933.49	939.19	0.001075	7.27	6740.34	2076.56	0.42
Salt	Salt	199.69	10_year	Withprj_Design	49000.00	922.00	939.30	934.13	939.98	0.001331	6.62	7406.69	2132.19	0.38
Salt	Salt	199.69	20_year	Preproj	82000.00	931.79	942.36	939.71	942.96	0.001127	7.34	14939.30	2230.03	0.42
Salt	Salt	199.69	20_year	TRWithprj	82000.00	929.40	941.72	939.34	942.00	0.000879	4.83	19684.58	2254.06	0.28
Salt	Salt	199.69	20_year	Preproj_Design	82000.00	922.00	939.79	936.20	940.17	0.000617	5.78	18203.18	2161.14	0.32
Salt	Salt	199.69	20_year	Withprj_Design	82000.00	922.00	940.25	936.78	940.58	0.000743	5.26	18827.99	2193.81	0.29
Salt	Salt	199.69	50_year	Preproj	130000.00	931.79	945.82	940.65	946.41	0.000748	7.39	22997.64	2359.00	0.36
Salt	Salt	199.69	50_year	TRWithprj	130000.00	929.40	945.04	939.84	945.41	0.000746	5.61	27373.38	2358.42	0.28
Salt	Salt	199.69	50_year	Preproj_Design	130000.00	922.00	943.62	939.00	944.05	0.000456	6.15	26822.84	2335.14	0.29
Salt	Salt	199.69	50_year	Withprj_Design	130000.00	922.00	943.67	939.43	944.09	0.000662	6.00	26549.00	2335.84	0.29
Salt	Salt	199.69	100_year	Preproj	162000.00	931.79	947.15	941.44	947.83	0.000757	7.94	26127.37	2359.00	0.37
Salt	Salt	199.69	100_year	TRWithprj	162000.00	929.40	946.21	939.84	946.68	0.000769	6.21	30145.25	2359.00	0.30
Salt	Salt	199.69	100_year	Preproj_Design	162000.00	922.00	945.11	939.71	945.62	0.000469	6.66	30327.98	2358.61	0.30
Salt	Salt	199.69	100_year	Withprj_Design	162000.00	922.00	944.91	939.84	945.42	0.000719	6.61	29461.54	2358.11	0.30
Salt	Salt	199.69	Typ Peak_year	Preproj	4400.00	931.79	936.18	933.54	936.24	0.000323	1.97	2228.14	1344.16	0.19
Salt	Salt	199.69	Typ Peak_year	TRWithprj	4400.00	929.40	935.81	932.54	935.85	0.000348	1.59	2766.37	1723.47	0.14
Salt	Salt	199.69	Typ Peak_year	Preproj_Design	4400.00	922.00	933.87	925.80	933.89	0.000048	1.17	3756.72	1389.31	0.08
Salt	Salt	199.69	Typ Peak_year	Withprj_Design	4400.00	922.00	933.90	925.80	933.93	0.000092	1.27	3455.67	1392.41	0.10
Salt	Salt	199.55	5_year	Preproj	19500.00	931.65	938.87	935.85	939.24	0.001080	4.93	3982.94	1945.63	0.36
Salt	Salt	199.55	5_year	TRWithprj	19500.00	929.40	938.57	934.53	938.85	0.001304	4.27	4584.07	2086.25	0.29
Salt	Salt	199.55	5_year	Preproj_Design	19500.00	920.00	936.40	927.37	936.55	0.000217	3.16	6162.80	2049.00	0.18
Salt	Salt	199.55	5_year	Withprj_Design	19500.00	920.00	935.24	927.29	935.47	0.000470	3.80	5135.02	1971.35	0.23
Salt	Salt	199.55	10_year	Preproj	49000.00	931.65	939.95	938.50	940.21	0.000807	4.77	12436.92	1967.90	0.32
Salt	Salt	199.55	10_year	TRWithprj	49000.00	929.40	939.28	937.27	939.46	0.001005	4.09	15544.85	2090.48	0.26
Salt	Salt	199.55	10_year	Preproj_Design	49000.00	920.00	937.65	931.82	938.41	0.000934	7.00	7001.11	2071.61	0.38
Salt	Salt	199.55	10_year	Withprj_Design	49000.00	920.00	938.29	932.38	939.02	0.001184	6.87	7147.94	2080.63	0.37
Salt	Salt	199.55	20_year	Preproj	82000.00	931.65	941.62	939.01	942.07	0.001005	6.17	15757.44	2009.16	0.37
Salt	Salt	199.55	20_year	TRWithprj	82000.00	929.40	940.77	939.21	941.11	0.001447	5.72	18660.06	2104.98	0.34
Salt	Salt	199.55	20_year	Preproj_Design	82000.00	920.00	939.35	934.55	939.72	0.000515	5.73	18891.63	2090.53	0.29
Salt	Salt	199.55	20_year	Withprj_Design	82000.00	920.00	939.53	935.10	939.94	0.000850	6.19	18978.10	2092.17	0.32
Salt	Salt	199.55	50_year	Preproj	130000.00	931.65	945.31	939.00	945.81	0.000688	6.47	23393.79	2104.98	0.32
Salt	Salt	199.55	50_year	TRWithprj	130000.00	929.40	944.25	939.21	944.69	0.001092	6.41	25994.46	2104.98	0.32
Salt	Salt	199.55	50_year	Preproj_Design	130000.00	920.00	943.29	937.75	943.70	0.000405	6.05	27174.58	2104.98	0.27
Salt	Salt	199.55	50_year	Withprj_Design	130000.00	920.00	942.99	938.22	943.50	0.000795	6.93	26255.47	2104.98	0.31
Salt	Salt	199.55	100_year	Preproj	162000.00	931.65	946.60	939.73	947.22	0.000726	7.14	26111.85	2104.98	0.34
Salt	Salt	199.55	100_year	TRWithprj	162000.00	929.40	945.42	939.21	945.96	0.001058	6.91	28449.65	2104.98	0.33
Salt	Salt	199.55	100_year	Preproj_Design	162000.00	920.00	944.76	939.01	945.26	0.000433	6.65	30258.51	2104.98	0.28
Salt	Salt	199.55	100_year	Withprj_Design	162000.00	920.00	944.21	939.21	944.80	0.000827	7.50	28807.75	2104.98	0.32
Salt	Salt	199.55	Typ Peak_year	Preproj	4400.00	931.65	935.87	933.35	935.95	0.000466	2.24	1960.18	1735.07	0.22
Salt	Salt	199.55	Typ Peak_year	TRWithprj	4400.00	929.40	935.50	932.37	935.54	0.000476	1.74	2530.83	2017.31	0.15
Salt	Salt	199.55	Typ Peak_year	Preproj_Design	4400.00	920.00	933.85	923.41	933.86	0.000022	0.96	4595.20	1570.75	0.06
Salt	Salt	199.55	Typ Peak_year	Withprj_Design	4400.00	920.00	933.87	923.40	933.88	0.000039	1.02	4311.33	1572.87	0.07
Gila	Upper Gila	1.67	5_year	Preproj	4000.00	935.89	948.56	940.84	948.58	0.001033	1.39	5127.23	2597.90	0.08
Gila	Upper Gila	1.67	5_year	TRWithprj	4000.00	935.89	948.56	940.84	948.58	0.001032	1.39	5128.34	2598.23	0.08
Gila	Upper Gila	1.67	5_year	Preproj_Design	4000.00	935.89	948.56	940.84	948.58	0.001032	1.39	5128.50	2598.27	0.08
Gila	Upper Gila	1.67	5_year	Withprj_Design	4000.00	935.89	948.56	940.84	948.58	0.001032	1.39	5129.45	2598.55	0.08
Gila	Upper Gila	1.67	10_year	Preproj	8000.00	935.89	949.55	942.48	949.58	0.001008	1.89	8281.49	3835.78	0.10
Gila	Upper Gila	1.67	10_year	TRWithprj	8000.00	935.89	949.55	942.48	949.58	0.001008	1.89	8280.78	3835.61	0.10
Gila	Upper Gila	1.67	10_year	Preproj_Design	8000.00	935.89	949.55	942.48	949.58	0.001008	1.89	8281.25	3835.73	0.10
Gila	Upper Gila	1.67	10_year	Withprj_Design	8000.00	935.89	949.55	942.48	949.58	0.001008	1.89	8280.55	3835.55	0.10
Gila	Upper Gila	1.67	20_year	Preproj	10000.00	935.89	949.71	943.19	949.75	0.000996	2.22	8885.19	3905.26	0.12
Gila	Upper Gila	1.67	20_year	TRWithprj	10000.00	935.89	949.71	943.19	949.75	0.000996	2.22	8883.52	3905.11	0.12
Gila	Upper Gila	1.67	20_year	Preproj_Design	10000.00	935.89	949.70	943.19	949.75	0.000997	2.22	8883.04	3905.07	0.12
Gila	Upper Gila	1.67	20_year	Withprj_Design	10000.00	935.89	949.70	943.19	949.75	0.000997	2.22	8883.04	3905.07	0.12
Gila	Upper Gila	1.67	50_year	Preproj	55000.00	935.89	953.60	950.08	953.70	0.001045	3.72	24616.79	5342.84	0.17
Gila	Upper Gila	1.67	50_year	TRWithprj	55000.00	935.89	953.59	950.08	953.69	0.001051	3.72	24576.72	5336.53	0.17
Gila	Upper Gila	1.67	50_year	Preproj_Design	55000.00	935.89	953.59	950.08	953.68	0.001054	3.73	24555.42	5333.41	0.17
Gila	Upper Gila	1.67	50_year	Withprj_Design	55000.00	935.89	953.59	950.08	953.68	0.001054	3.73	24551.17	5332.79	0.17
Gila	Upper Gila	1.67	100_year	Preproj	65000.00	935.89	953.99	950.32	954.11	0.001031	4.05	26229.01	5587.57	0.19
Gila	Upper Gila	1.67	100_year	TRWithprj	65000.00	935.89	953.97	950.32	954.08	0.001043	4.07	26132.44	5581.35	0.19
Gila	Upper Gila	1.67	100_year	Preproj_Design	65000.00	935.89	953.96	950.32	954.08	0.001048	4.08	26097.48	5579.10	0.19
Gila	Upper Gila	1.67	100_year	Withprj_Design	65000.00	935.89	953.96	950.32	954.07	0.001050	4.08	26079.12	5577.91	0.19
Gila	Upper Gila	1.67	Typ Peak_year	Preproj	2300.00	935.89	947.22	939.95	947.24	0.001068	1.28	2405.48	1231.57	0.08
Gila	Upper Gila	1.67	Typ Peak_year	TRWithprj	2300.00	935.89	947.22	939.95	947.24	0.001068	1.28	2405.25	1231.33	0.08
Gila	Upper Gila	1.67	Typ Peak_year	Preproj_Design	2300.00	935.89	947.22	939.95	947.24	0.001068	1.28	2405.03	1231.10	0.08
Gila	Upper Gila	1.67	Typ Peak_year	Withprj_Design	2300.00	935.89	947.22	939.95	947.24	0.001068	1.28	2405.03	1231.10	0.08
Gila	Upper Gila	1.63	5_year	Preproj	4000.00	935.65	948.31	940.19	948.35	0.001458	1.65	3756.64	2038.80	0.09
Gila	Upper Gila	1.63	5_year	TRWithprj	4000.00	935.65	948.31	940.19	948.35	0.001458	1.65	3757.63	2039.30	0.09
Gila	Upper Gila	1.63	5_year	Preproj_Design	4000.00	935.65	948.31	940.19	948.35	0.001458	1.65	3757.76	2039.36	0.09
Gila	Upper Gila	1.63	5_year	Withprj_Design	4000.00	935.65	948.31	940.19	948.35	0.001457	1.65	3758.75	2039.85	0.09
Gila	Upper Gila	1.63	10_year	Preproj	8000.00	935.65	949.29	941.81	949.35	0.001531	2.32	6580.34	3506.01	0.13
Gila	Upper Gila	1.63	10_year	TRWithprj	8000.00	935.65	949.29	941.81	949.35	0.001531	2.32	6579.69	3505.91	0.13
Gila	Upper Gila	1.63	10_year	Preproj_Design	8000.00	935.65	949.29	941.81	949.35	0.001531	2.32	6580.12	3505.96	0.13
Gila	Upper Gila	1.63	10_year	Withprj_Design	8000.00	935.65	949.29	941.81	949.35	0.001531	2.32	6579.48	3505.87	0.13
Gila	Upper Gila	1.63	20_year	Preproj	10000.00	935.65	949.44	942.44	949.51	0.001519	2.72	7108.99	3568.07	0.15
Gila	Upper Gila	1.63	20_year	TRWithprj	10000.00	935.65	949.44	942.44	949.51	0.001520	2.72	7107.03	3567.89	0.15
Gila	Upper Gila	1.63	20_year	Preproj_Design	10000.00	935.65	949.44	942.44	949.51	0.001520	2.72	7106.38	3567.84	0.15
Gila	Upper Gila	1.63	20_year	Withprj_Design	10000.00	935.65	949.44	942.44	949.51	0.001520	2.72	7106.38	3567.84	0.15

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	1.63	50_year	Preproj	55000.00	935.65	953.34	950.17	953.46	0.001418	4.29	21565.84	4819.09	0.20
Gila	Upper Gila	1.63	50_year	TRWithprj	55000.00	935.65	953.32	950.17	953.45	0.001426	4.30	21523.34	4816.10	0.20
Gila	Upper Gila	1.63	50_year	Preproj_Design	55000.00	935.65	953.32	950.17	953.45	0.001431	4.30	21500.72	4814.50	0.20
Gila	Upper Gila	1.63	50_year	Withprj_Design	55000.00	935.65	953.32	950.17	953.44	0.001432	4.30	21496.15	4814.18	0.20
Gila	Upper Gila	1.63	100_year	Preproj	65000.00	935.65	953.72	950.52	953.88	0.001393	4.66	23023.79	5189.65	0.21
Gila	Upper Gila	1.63	100_year	TRWithprj	65000.00	935.65	953.70	950.52	953.85	0.001412	4.69	22922.39	5145.01	0.21
Gila	Upper Gila	1.63	100_year	Preproj_Design	65000.00	935.65	953.69	950.52	953.84	0.001419	4.70	22885.54	5125.74	0.21
Gila	Upper Gila	1.63	100_year	Withprj_Design	65000.00	935.65	953.68	950.52	953.84	0.001423	4.70	22866.09	5115.82	0.21
Gila	Upper Gila	1.63	Typ Peak_year	Preproj	2300.00	935.65	947.01	939.21	947.04	0.001118	1.33	2041.62	836.52	0.08
Gila	Upper Gila	1.63	Typ Peak_year	TRWithprj	2300.00	935.65	947.01	939.21	947.03	0.001118	1.33	2041.41	836.38	0.08
Gila	Upper Gila	1.63	Typ Peak_year	Preproj_Design	2300.00	935.65	947.01	939.21	947.03	0.001118	1.33	2041.26	836.27	0.08
Gila	Upper Gila	1.63	Typ Peak_year	Withprj_Design	2300.00	935.65	947.01	939.21	947.03	0.001118	1.33	2041.26	836.27	0.08
Gila	Upper Gila	1.59	5_year	Preproj	4000.00	935.42	947.95	940.05	947.98	0.001566	1.69	3770.42	2055.12	0.10
Gila	Upper Gila	1.59	5_year	TRWithprj	4000.00	935.42	947.95	940.05	947.98	0.001566	1.69	3771.81	2056.51	0.10
Gila	Upper Gila	1.59	5_year	Preproj_Design	4000.00	935.42	947.95	940.05	947.98	0.001566	1.69	3771.93	2056.64	0.10
Gila	Upper Gila	1.59	5_year	Withprj_Design	4000.00	935.42	947.95	940.05	947.98	0.001565	1.69	3773.31	2058.03	0.10
Gila	Upper Gila	1.59	10_year	Preproj	8000.00	935.42	948.93	941.72	948.98	0.001561	2.32	6541.17	3286.06	0.13
Gila	Upper Gila	1.59	10_year	TRWithprj	8000.00	935.42	948.92	941.72	948.98	0.001562	2.32	6540.40	3285.94	0.13
Gila	Upper Gila	1.59	10_year	Preproj_Design	8000.00	935.42	948.93	941.72	948.98	0.001561	2.32	6540.98	3286.03	0.13
Gila	Upper Gila	1.59	10_year	Withprj_Design	8000.00	935.42	948.92	941.72	948.98	0.001562	2.32	6540.01	3285.89	0.13
Gila	Upper Gila	1.59	20_year	Preproj	10000.00	935.42	949.08	942.39	949.15	0.001544	2.72	7031.66	3361.98	0.15
Gila	Upper Gila	1.59	20_year	TRWithprj	10000.00	935.42	949.08	942.39	949.15	0.001546	2.72	7029.12	3361.49	0.15
Gila	Upper Gila	1.59	20_year	Preproj_Design	10000.00	935.42	949.08	942.39	949.15	0.001546	2.72	7028.33	3361.34	0.15
Gila	Upper Gila	1.59	20_year	Withprj_Design	10000.00	935.42	949.08	942.39	949.15	0.001546	2.72	7028.33	3361.34	0.15
Gila	Upper Gila	1.59	50_year	Preproj	55000.00	935.42	952.96	949.81	953.11	0.001652	4.61	19551.90	4716.88	0.22
Gila	Upper Gila	1.59	50_year	TRWithprj	55000.00	935.42	952.94	949.81	953.10	0.001664	4.63	19506.68	4708.52	0.22
Gila	Upper Gila	1.59	50_year	Preproj_Design	55000.00	935.42	952.94	949.81	953.09	0.001670	4.63	19482.59	4704.28	0.22
Gila	Upper Gila	1.59	50_year	Withprj_Design	55000.00	935.42	952.93	949.81	953.09	0.001672	4.63	19477.85	4703.48	0.22
Gila	Upper Gila	1.59	100_year	Preproj	65000.00	935.42	953.34	950.09	953.53	0.001635	5.04	20805.22	5177.65	0.23
Gila	Upper Gila	1.59	100_year	TRWithprj	65000.00	935.42	953.31	950.09	953.50	0.001662	5.07	20698.37	5097.95	0.23
Gila	Upper Gila	1.59	100_year	Preproj_Design	65000.00	935.42	953.30	950.09	953.49	0.001672	5.08	20659.45	5071.67	0.23
Gila	Upper Gila	1.59	100_year	Withprj_Design	65000.00	935.42	953.29	950.09	953.48	0.001677	5.09	20638.91	5059.05	0.23
Gila	Upper Gila	1.59	Typ Peak_year	Preproj	2300.00	935.42	946.71	939.12	946.74	0.001250	1.39	1967.68	1015.46	0.09
Gila	Upper Gila	1.59	Typ Peak_year	TRWithprj	2300.00	935.42	946.71	939.12	946.74	0.001250	1.39	1967.37	1015.07	0.09
Gila	Upper Gila	1.59	Typ Peak_year	Preproj_Design	2300.00	935.42	946.71	939.12	946.74	0.001250	1.39	1967.12	1014.75	0.09
Gila	Upper Gila	1.59	Typ Peak_year	Withprj_Design	2300.00	935.42	946.71	939.12	946.74	0.001250	1.39	1967.12	1014.75	0.09
Gila	Upper Gila	1.55	5_year	Preproj	4000.00	935.19	947.75	939.80	947.76	0.000737	0.98	5669.45	2491.47	0.07
Gila	Upper Gila	1.55	5_year	TRWithprj	4000.00	935.19	947.75	939.80	947.76	0.000737	0.98	5671.27	2494.40	0.07
Gila	Upper Gila	1.55	5_year	Preproj_Design	4000.00	935.19	947.75	939.80	947.76	0.000737	0.98	5671.43	2494.64	0.07
Gila	Upper Gila	1.55	5_year	Withprj_Design	4000.00	935.19	947.75	939.80	947.76	0.000736	0.98	5673.56	2498.05	0.07
Gila	Upper Gila	1.55	10_year	Preproj	8000.00	935.19	948.70	941.46	948.72	0.000946	1.56	8489.59	3109.19	0.10
Gila	Upper Gila	1.55	10_year	TRWithprj	8000.00	935.19	948.70	941.46	948.72	0.000946	1.56	8488.64	3109.16	0.10
Gila	Upper Gila	1.55	10_year	Preproj_Design	8000.00	935.19	948.70	941.46	948.72	0.000946	1.56	8489.40	3109.18	0.10
Gila	Upper Gila	1.55	10_year	Withprj_Design	8000.00	935.19	948.70	941.46	948.72	0.000946	1.56	8488.26	3109.15	0.10
Gila	Upper Gila	1.55	20_year	Preproj	10000.00	935.19	948.87	942.14	948.90	0.000931	1.83	9000.95	3126.59	0.11
Gila	Upper Gila	1.55	20_year	TRWithprj	10000.00	935.19	948.86	942.14	948.90	0.000932	1.83	8997.89	3126.49	0.11
Gila	Upper Gila	1.55	20_year	Preproj_Design	10000.00	935.19	948.86	942.14	948.90	0.000932	1.83	8996.94	3126.46	0.11
Gila	Upper Gila	1.55	20_year	Withprj_Design	10000.00	935.19	948.86	942.14	948.90	0.000932	1.83	8996.94	3126.46	0.11
Gila	Upper Gila	1.55	50_year	Preproj	55000.00	935.19	952.73	947.75	952.83	0.001079	3.38	23573.29	5230.97	0.17
Gila	Upper Gila	1.55	50_year	TRWithprj	55000.00	935.19	952.72	947.75	952.81	0.001089	3.39	23496.90	5147.92	0.17
Gila	Upper Gila	1.55	50_year	Preproj_Design	55000.00	935.19	952.71	947.75	952.80	0.001095	3.40	23455.88	5110.83	0.17
Gila	Upper Gila	1.55	50_year	Withprj_Design	55000.00	935.19	952.70	947.75	952.80	0.001096	3.40	23447.73	5106.08	0.17
Gila	Upper Gila	1.55	100_year	Preproj	65000.00	935.19	953.14	948.08	953.25	0.001039	3.65	25530.31	6089.35	0.18
Gila	Upper Gila	1.55	100_year	TRWithprj	65000.00	935.19	953.10	948.08	953.21	0.001062	3.68	25345.64	6080.71	0.18
Gila	Upper Gila	1.55	100_year	Preproj_Design	65000.00	935.19	953.08	948.08	953.20	0.001069	3.69	25279.77	6076.94	0.19
Gila	Upper Gila	1.55	100_year	Withprj_Design	65000.00	935.19	953.08	948.08	953.19	0.001073	3.70	25244.33	6074.55	0.19
Gila	Upper Gila	1.55	Typ Peak_year	Preproj	2300.00	935.19	946.56	938.85	946.57	0.000574	0.77	3676.60	1257.37	0.06
Gila	Upper Gila	1.55	Typ Peak_year	TRWithprj	2300.00	935.19	946.56	938.85	946.57	0.000574	0.77	3676.21	1257.29	0.06
Gila	Upper Gila	1.55	Typ Peak_year	Preproj_Design	2300.00	935.19	946.56	938.85	946.57	0.000574	0.77	3675.83	1257.22	0.06
Gila	Upper Gila	1.55	Typ Peak_year	Withprj_Design	2300.00	935.19	946.56	938.85	946.57	0.000574	0.77	3675.83	1257.22	0.06
Gila	Upper Gila	1.48	5_year	Preproj	4000.00	934.79	947.45	940.59	947.47	0.000973	1.32	5300.05	2676.13	0.08
Gila	Upper Gila	1.48	5_year	TRWithprj	4000.00	934.79	947.45	940.59	947.47	0.000972	1.32	5302.50	2676.73	0.08
Gila	Upper Gila	1.48	5_year	Preproj_Design	4000.00	934.79	947.45	940.59	947.47	0.000972	1.32	5302.83	2676.83	0.08
Gila	Upper Gila	1.48	5_year	Withprj_Design	4000.00	934.79	947.45	940.59	947.47	0.000971	1.32	5305.77	2677.78	0.08
Gila	Upper Gila	1.48	10_year	Preproj	8000.00	934.79	948.35	942.04	948.38	0.001044	1.88	7805.72	2837.44	0.11
Gila	Upper Gila	1.48	10_year	TRWithprj	8000.00	934.79	948.35	942.04	948.38	0.001045	1.88	7804.34	2837.41	0.11
Gila	Upper Gila	1.48	10_year	Preproj_Design	8000.00	934.79	948.35	942.04	948.38	0.001044	1.88	7805.38	2837.44	0.11
Gila	Upper Gila	1.48	10_year	Withprj_Design	8000.00	934.79	948.35	942.04	948.38	0.001045	1.88	7803.99	2837.41	0.11
Gila	Upper Gila	1.48	20_year	Preproj	10000.00	934.79	948.51	942.67	948.55	0.001089	2.26	8246.39	2843.16	0.13
Gila	Upper Gila	1.48	20_year	TRWithprj	10000.00	934.79	948.50	942.67	948.55	0.001090	2.26	8242.57	2843.09	0.13
Gila	Upper Gila	1.48	20_year	Preproj_Design	10000.00	934.79	948.50	942.67	948.55	0.001090	2.26	8241.18	2843.07	0.13
Gila	Upper Gila	1.48	20_year	Withprj_Design	10000.00	934.79	948.50	942.67	948.55	0.001090	2.26	8241.35	2843.07	0.13
Gila	Upper Gila	1.48	50_year	Preproj	55000.00	934.79	952.28	948.27	952.41	0.001365	4.15	20299.85	4996.57	0.20
Gila	Upper Gila	1.48	50_year	TRWithprj	55000.00	934.79	952.26	948.27	952.39	0.001380	4.17	20232.60	4995.40	0.20
Gila	Upper Gila	1.48	50_year	Preproj_Design	55000.00	934.79	952.25	948.27	952.38	0.001388	4.18	20195.87	4994.90	0.20
Gila	Upper Gila	1.48	50_year	Withprj_Design	55000.00	934.79	952.25	948.27	952.38	0.001389	4.18	20188.84	4994.80	0.20
Gila	Upper Gila	1.48	100_year	Preproj	65000.00	934.79	952.68	948.94	952.84	0.001347	4.53	21626.30	5085.36	0.21
Gila	Upper Gila	1.48	100_year	TRWithprj	65000.00	934.79	952.64	948.94	952.80	0.001379	4.57	21468.70	5052.14	0.21
Gila	Upper Gila	1.48	100_year	Preproj_Design	65000.00	934.79	952.62	948.94	952.78	0.001391	4.59	21413.08	5049.56	0.21
Gila	Upper Gila	1.48	100_year	Withprj_Design	65000.00	934.79	952.61	948.94	952.77	0.001397	4.60	21382.56	5048.14	0.22
Gila	Upper Gila	1.48	Typ Peak_year	Preproj	2300.00	934.79	946.33	939.46	946.34	0.000735	1.05	3211.22	1258.78	0.07
Gila	Upper Gila	1.48	Typ Peak_year	TRWithprj	2300.00	934.79	946.33	939.46	946.34	0.000735	1.05	3210.76	1258.66	0.07
Gila	Upper Gila	1.48	Typ Peak_year	Preproj_Design	2300.00	934.79	946.33	939.46	946.34	0.000736	1.05	3210.30	1258.54	0.07
Gila	Upper Gila	1.48	Typ Peak_year	Withprj_Design	2300.00	934.79	946.33	939.46	946.34	0.000736	1.05	3210.22	1258.52	0.07
Gila	Upper Gila	1.41	5_year	Preproj	4000.00	934.69	946.93	941.54	946.96	0.002283	1.60	4264.02	2639.50	0.11
Gila	Upper Gila	1.41	5_year	TRWithprj	4000.00	934.69	946.94	941.54	946.96	0.002278	1.60	4268.37	2641.98	0.11
Gila	Upper Gila	1.41	5_year	Preproj_Design	4000.00	934.69	946.94	941.54	946.96	0.002278	1.60	4268.86	2642.25	0.11
Gila	Upper Gila	1.41	5_year	Withprj_Design	4000.00	934.69	946.94	941.54	946.96	0.002272	1.60	4273.86	2645.09	0.11
Gila	Upper Gila	1.41	10_year	Preproj	8000.00	934.69	947.86	943.74	947.90	0.001839	1.97	6950.13	3007.44	0.13
Gila	Upper Gila	1.41	10_year	TRWithprj	8000.00	934.69	947.86	943.74	947.89	0.001841	1.97	6947.75	3007.16	0.13
Gila	Upper Gila	1.41	10_year	Preproj_Design	8000.00	934.69	947.86	943.74	947.89	0.001840	1.97	6949.40	3007.36	0.13
Gila	Upper Gila	1.41	10_year	Withprj_Design	8000.00	934.69	947.86	943.74	947.89	0.001841	1.97	6947.01	3007.07	0.13
Gila	Upper Gila	1.41	20_year	Preproj	10000.00	934.69	948.02	944.38	948.06	0.001774	2.29	7421.52	3067.84	0.15
Gila	Upper Gila	1.41	20_year	TRWithprj	10000.00	934.69	948.02	944.38	948.06	0.001778	2.29	7414.59	3067.39	0.15
Gila	Upper Gila	1.41	20_year	Preproj_Design	10000.00	934.69	948.02	944.38	948.06	0.001780	2.29	7412.16	3067.23	0.15

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	1.41	20_year	Withprj_Design	10000.00	934.69	948.02	944.38	948.06	0.001779	2.29	7412.53	3067.25	0.15
Gila	Upper Gila	1.41	50_year	Preproj	55000.00	934.69	951.78	947.97	951.90	0.001493	3.68	20454.65	4683.79	0.20
Gila	Upper Gila	1.41	50_year	TRWithprj	55000.00	934.69	951.76	947.97	951.88	0.001517	3.70	20357.47	4673.43	0.20
Gila	Upper Gila	1.41	50_year	Preproj_Design	55000.00	934.69	951.74	947.97	951.86	0.001530	3.72	20304.21	4664.01	0.20
Gila	Upper Gila	1.41	50_year	Withprj_Design	55000.00	934.69	951.74	947.97	951.86	0.001532	3.72	20294.00	4662.20	0.20
Gila	Upper Gila	1.41	100_year	Preproj	65000.00	934.69	952.20	948.53	952.35	0.001437	3.99	21945.08	4800.00	0.21
Gila	Upper Gila	1.41	100_year	TRWithprj	65000.00	934.69	952.14	948.53	952.29	0.001487	4.05	21721.93	4783.32	0.21
Gila	Upper Gila	1.41	100_year	Preproj_Design	65000.00	934.69	952.12	948.53	952.27	0.001505	4.06	21642.86	4778.37	0.21
Gila	Upper Gila	1.41	100_year	Withprj_Design	65000.00	934.69	952.11	948.53	952.25	0.001515	4.07	21599.31	4775.64	0.21
Gila	Upper Gila	1.41	Typ Peak_year	Preproj	2300.00	934.69	945.85	939.90	945.88	0.002773	1.59	1982.03	1451.09	0.12
Gila	Upper Gila	1.41	Typ Peak_year	TRWithprj	2300.00	934.69	945.85	939.90	945.88	0.002775	1.59	1981.23	1449.80	0.12
Gila	Upper Gila	1.41	Typ Peak_year	Preproj_Design	2300.00	934.69	945.85	939.90	945.88	0.002776	1.59	1980.52	1448.66	0.12
Gila	Upper Gila	1.41	Typ Peak_year	Withprj_Design	2300.00	934.69	945.85	939.90	945.88	0.002777	1.59	1980.35	1448.37	0.12
Gila	Upper Gila	1.35	5_year	Preproj	4000.00	934.59	946.26	939.11	946.29	0.001805	1.74	4243.84	2601.72	0.10
Gila	Upper Gila	1.35	5_year	TRWithprj	4000.00	934.59	946.26	939.11	946.29	0.001798	1.74	4253.69	2603.55	0.10
Gila	Upper Gila	1.35	5_year	Preproj_Design	4000.00	934.59	946.26	939.11	946.29	0.001797	1.73	4254.64	2603.73	0.10
Gila	Upper Gila	1.35	5_year	Withprj_Design	4000.00	934.59	946.27	939.11	946.30	0.001789	1.73	4265.77	2605.80	0.10
Gila	Upper Gila	1.35	10_year	Preproj	8000.00	934.59	947.27	940.89	947.31	0.001730	2.03	7206.55	3247.22	0.13
Gila	Upper Gila	1.35	10_year	TRWithprj	8000.00	934.59	947.27	940.89	947.31	0.001733	2.03	7201.60	3246.28	0.13
Gila	Upper Gila	1.35	10_year	Preproj_Design	8000.00	934.59	947.27	940.89	947.31	0.001731	2.03	7204.77	3246.88	0.13
Gila	Upper Gila	1.35	10_year	Withprj_Design	8000.00	934.59	947.27	940.89	947.30	0.001733	2.03	7200.21	3246.01	0.13
Gila	Upper Gila	1.35	20_year	Preproj	10000.00	934.59	947.46	941.66	947.50	0.001668	2.27	7809.34	3349.12	0.15
Gila	Upper Gila	1.35	20_year	TRWithprj	10000.00	934.59	947.45	941.66	947.49	0.001675	2.27	7794.83	3347.93	0.15
Gila	Upper Gila	1.35	20_year	Preproj_Design	10000.00	934.59	947.45	941.66	947.49	0.001678	2.27	7789.52	3347.49	0.15
Gila	Upper Gila	1.35	20_year	Withprj_Design	10000.00	934.59	947.45	941.66	947.49	0.001678	2.27	7790.34	3347.56	0.15
Gila	Upper Gila	1.35	50_year	Preproj	55000.00	934.59	951.32	947.70	951.43	0.001399	3.63	21272.64	3712.30	0.19
Gila	Upper Gila	1.35	50_year	TRWithprj	55000.00	934.59	951.28	947.70	951.40	0.001427	3.66	21141.98	3701.09	0.19
Gila	Upper Gila	1.35	50_year	Preproj_Design	55000.00	934.59	951.26	947.70	951.38	0.001443	3.67	21069.71	3695.37	0.19
Gila	Upper Gila	1.35	50_year	Withprj_Design	55000.00	934.59	951.26	947.70	951.37	0.001446	3.68	21055.97	3694.25	0.19
Gila	Upper Gila	1.35	100_year	Preproj	65000.00	934.59	951.76	947.94	951.89	0.001339	3.93	22872.50	3871.58	0.20
Gila	Upper Gila	1.35	100_year	TRWithprj	65000.00	934.59	951.68	947.94	951.81	0.001398	3.99	22578.11	3822.16	0.21
Gila	Upper Gila	1.35	100_year	Preproj_Design	65000.00	934.59	951.65	947.94	951.79	0.001419	4.02	22473.08	3813.56	0.21
Gila	Upper Gila	1.35	100_year	Withprj_Design	65000.00	934.59	951.63	947.94	951.77	0.001431	4.03	22414.65	3808.77	0.21
Gila	Upper Gila	1.35	Typ Peak_year	Preproj	2300.00	934.59	945.17	938.17	945.20	0.001551	1.57	2039.77	1219.63	0.10
Gila	Upper Gila	1.35	Typ Peak_year	TRWithprj	2300.00	934.59	945.17	938.17	945.20	0.001552	1.57	2038.43	1217.10	0.10
Gila	Upper Gila	1.35	Typ Peak_year	Preproj_Design	2300.00	934.59	945.17	938.17	945.20	0.001553	1.57	2037.32	1214.99	0.10
Gila	Upper Gila	1.35	Typ Peak_year	Withprj_Design	2300.00	934.59	945.17	938.17	945.20	0.001553	1.57	2036.95	1214.28	0.10
Gila	Upper Gila	1.28	5_year	Preproj	4000.00	934.31	945.61	939.38	945.63	0.001843	1.41	4232.52	2528.58	0.10
Gila	Upper Gila	1.28	5_year	TRWithprj	4000.00	934.31	945.62	939.38	945.64	0.001827	1.41	4252.64	2542.77	0.10
Gila	Upper Gila	1.28	5_year	Preproj_Design	4000.00	934.31	945.62	939.38	945.64	0.001826	1.41	4254.65	2544.19	0.10
Gila	Upper Gila	1.28	5_year	Withprj_Design	4000.00	934.31	945.63	939.38	945.65	0.001810	1.40	4276.14	2555.69	0.10
Gila	Upper Gila	1.28	10_year	Preproj	8000.00	934.31	946.76	941.08	946.79	0.001302	1.71	7638.15	3297.75	0.11
Gila	Upper Gila	1.28	10_year	TRWithprj	8000.00	934.31	946.75	941.08	946.78	0.001305	1.71	7630.10	3297.17	0.11
Gila	Upper Gila	1.28	10_year	Preproj_Design	8000.00	934.31	946.76	941.08	946.78	0.001303	1.71	7635.53	3297.56	0.11
Gila	Upper Gila	1.28	10_year	Withprj_Design	8000.00	934.31	946.75	941.08	946.78	0.001306	1.71	7627.88	3297.02	0.11
Gila	Upper Gila	1.28	20_year	Preproj	10000.00	934.31	946.96	941.68	947.00	0.001234	1.98	8320.75	3330.61	0.13
Gila	Upper Gila	1.28	20_year	TRWithprj	10000.00	934.31	946.96	941.68	946.99	0.001243	1.98	8297.38	3328.69	0.13
Gila	Upper Gila	1.28	20_year	Preproj_Design	10000.00	934.31	946.95	941.68	946.99	0.001246	1.99	8289.05	3328.00	0.13
Gila	Upper Gila	1.28	20_year	Withprj_Design	10000.00	934.31	946.95	941.68	946.99	0.001246	1.99	8290.06	3328.08	0.13
Gila	Upper Gila	1.28	50_year	Preproj	55000.00	934.31	950.88	947.04	950.98	0.001244	3.48	22237.28	4358.27	0.18
Gila	Upper Gila	1.28	50_year	TRWithprj	55000.00	934.31	950.83	947.04	950.94	0.001276	3.52	22061.27	4333.25	0.18
Gila	Upper Gila	1.28	50_year	Preproj_Design	55000.00	934.31	950.81	947.04	950.92	0.001285	3.53	21970.31	4317.17	0.18
Gila	Upper Gila	1.28	50_year	Withprj_Design	55000.00	934.31	950.80	947.04	950.91	0.001289	3.53	21951.63	4313.51	0.18
Gila	Upper Gila	1.28	100_year	Preproj	65000.00	934.31	951.34	947.37	951.47	0.001182	3.76	23996.17	4609.69	0.19
Gila	Upper Gila	1.28	100_year	TRWithprj	65000.00	934.31	951.24	947.37	951.37	0.001244	3.83	23606.60	4553.24	0.20
Gila	Upper Gila	1.28	100_year	Preproj_Design	65000.00	934.31	951.20	947.37	951.33	0.001267	3.86	23466.70	4535.97	0.20
Gila	Upper Gila	1.28	100_year	Withprj_Design	65000.00	934.31	951.18	947.37	951.31	0.001280	3.88	23388.30	4527.81	0.20
Gila	Upper Gila	1.28	Typ Peak_year	Preproj	2300.00	934.31	944.55	938.08	944.57	0.001850	1.25	1838.97	1374.89	0.10
Gila	Upper Gila	1.28	Typ Peak_year	TRWithprj	2300.00	934.31	944.55	938.08	944.57	0.001852	1.25	1838.35	1370.05	0.10
Gila	Upper Gila	1.28	Typ Peak_year	Preproj_Design	2300.00	934.31	944.55	938.08	944.57	0.001854	1.25	1837.84	1366.07	0.10
Gila	Upper Gila	1.28	Typ Peak_year	Withprj_Design	2300.00	934.31	944.55	938.08	944.57	0.001854	1.25	1837.69	1364.86	0.10
Gila	Upper Gila	1.21	5_year	Preproj	4000.00	933.35	944.96	937.91	945.00	0.002176	1.74	3479.28	1864.80	0.11
Gila	Upper Gila	1.21	5_year	TRWithprj	4000.00	933.35	944.97	937.91	945.01	0.002147	1.73	3508.04	1874.93	0.11
Gila	Upper Gila	1.21	5_year	Preproj_Design	4000.00	933.35	944.98	937.91	945.01	0.002145	1.73	3510.90	1875.94	0.11
Gila	Upper Gila	1.21	5_year	Withprj_Design	4000.00	933.35	944.99	937.91	945.03	0.002115	1.72	3540.41	1886.41	0.11
Gila	Upper Gila	1.21	10_year	Preproj	8000.00	933.35	946.31	939.82	946.35	0.001514	2.08	6889.90	3065.08	0.12
Gila	Upper Gila	1.21	10_year	TRWithprj	8000.00	933.35	946.31	939.82	946.35	0.001520	2.08	6877.74	3063.03	0.12
Gila	Upper Gila	1.21	10_year	Preproj_Design	8000.00	933.35	946.31	939.82	946.35	0.001516	2.08	6885.78	3064.38	0.12
Gila	Upper Gila	1.21	10_year	Withprj_Design	8000.00	933.35	946.31	939.82	946.35	0.001522	2.08	6874.38	3062.46	0.12
Gila	Upper Gila	1.21	20_year	Preproj	10000.00	933.35	946.54	940.76	946.59	0.001425	2.38	7609.51	3195.96	0.14
Gila	Upper Gila	1.21	20_year	TRWithprj	10000.00	933.35	946.53	940.76	946.58	0.001440	2.39	7574.23	3190.67	0.14
Gila	Upper Gila	1.21	20_year	Preproj_Design	10000.00	933.35	946.53	940.76	946.58	0.001446	2.39	7561.77	3188.71	0.14
Gila	Upper Gila	1.21	20_year	Withprj_Design	10000.00	933.35	946.53	940.76	946.58	0.001445	2.39	7563.33	3188.96	0.14
Gila	Upper Gila	1.21	50_year	Preproj	55000.00	933.35	950.48	946.78	950.60	0.001381	3.96	21580.31	3977.68	0.19
Gila	Upper Gila	1.21	50_year	TRWithprj	55000.00	933.35	950.42	946.78	950.55	0.001426	4.01	21362.84	3964.42	0.20
Gila	Upper Gila	1.21	50_year	Preproj_Design	55000.00	933.35	950.39	946.78	950.52	0.001449	4.03	21253.89	3957.78	0.20
Gila	Upper Gila	1.21	50_year	Withprj_Design	55000.00	933.35	950.39	946.78	950.51	0.001454	4.04	21230.61	3956.36	0.20
Gila	Upper Gila	1.21	100_year	Preproj	65000.00	933.35	950.97	947.27	951.10	0.001292	4.23	23377.28	4112.27	0.20
Gila	Upper Gila	1.21	100_year	TRWithprj	65000.00	933.35	950.84	947.27	950.99	0.001376	4.34	22912.58	4045.49	0.21
Gila	Upper Gila	1.21	100_year	Preproj_Design	65000.00	933.35	950.80	947.27	950.94	0.001409	4.38	22743.89	4029.64	0.21
Gila	Upper Gila	1.21	100_year	Withprj_Design	65000.00	933.35	950.77	947.27	950.92	0.001428	4.40	22648.39	4023.89	0.21
Gila	Upper Gila	1.21	Typ Peak_year	Preproj	2300.00	933.35	943.90	936.93	943.93	0.002042	1.53	1503.96	1052.04	0.11
Gila	Upper Gila	1.21	Typ Peak_year	TRWithprj	2300.00	933.35	943.89	936.93	943.93	0.002044	1.53	1503.38	1051.42	0.11
Gila	Upper Gila	1.21	Typ Peak_year	Preproj_Design	2300.00	933.35	943.89	936.93	943.93	0.002047	1.53	1502.91	1050.91	0.11
Gila	Upper Gila	1.21	Typ Peak_year	Withprj_Design	2300.00	933.35	943.89	936.93	943.93	0.002047	1.53	1502.75	1050.74	0.11
Gila	Upper Gila	1.15	5_year	Preproj	4000.00	933.19	944.63	937.80	944.66	0.000597	1.73	4547.81	2283.35	0.11
Gila	Upper Gila	1.15	5_year	TRWithprj	4000.00	933.19	944.65	937.80	944.68	0.000588	1.72	4593.76	2293.22	0.11
Gila	Upper Gila	1.15	5_year	Preproj_Design	4000.00	933.19	944.65	937.80	944.68	0.000587	1.72	4598.38	2294.21	0.11
Gila	Upper Gila	1.15	5_year	Withprj_Design	4000.00	933.19	944.67	937.80	944.70	0.000579	1.71	4645.25	2304.27	0.11
Gila	Upper Gila	1.15	10_year	Preproj	8000.00	933.19	945.98	939.91	946.02	0.000732	2.30	8359.12	3250.89	0.14
Gila	Upper Gila	1.15	10_year	TRWithprj	8000.00	933.19	945.98	939.91	946.02	0.000735	2.31	8341.27	3249.06	0.14
Gila	Upper Gila	1.15	10_year	Preproj_Design	8000.00	933.19	945.98	939.91	946.02	0.000733	2.30	8352.97	3250.26	0.14
Gila	Upper Gila	1.15	10_year	Withprj_Design	8000.00	933.19	945.98	939.91	946.02	0.000736	2.31	8336.11	3248.53	0.14
Gila	Upper Gila	1.15	20_year	Preproj	10000.00	933.19	946.21	940.83	946.26	0.000774	2.60	9116.39	3347.11	0.15
Gila	Upper Gila	1.15	20_year	TRWithprj	10000.00	933.19	946.20	940.83	946.25	0.000784	2.62	9065.76	3341.66	0.16

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	1.15	20_year	Preproj_Design	10000.00	933.19	946.19	940.83	946.24	0.000787	2.62	9047.82	3337.71	0.16
Gila	Upper Gila	1.15	20_year	Withprj_Design	10000.00	933.19	946.19	940.83	946.24	0.000787	2.62	9050.06	3338.20	0.16
Gila	Upper Gila	1.15	50_year	Preproj	55000.00	933.19	950.13	945.77	950.23	0.000976	4.21	24114.17	4245.42	0.21
Gila	Upper Gila	1.15	50_year	TRWithprj	55000.00	933.19	950.05	945.77	950.16	0.001016	4.28	23806.23	4235.89	0.21
Gila	Upper Gila	1.15	50_year	Preproj_Design	55000.00	933.19	950.02	945.77	950.13	0.001037	4.32	23651.03	4225.38	0.21
Gila	Upper Gila	1.15	50_year	Withprj_Design	55000.00	933.19	950.01	945.77	950.12	0.001041	4.33	23618.04	4222.89	0.21
Gila	Upper Gila	1.15	100_year	Preproj	65000.00	933.19	950.64	946.69	950.76	0.000910	4.37	26309.63	4681.60	0.21
Gila	Upper Gila	1.15	100_year	TRWithprj	65000.00	933.19	950.49	946.69	950.61	0.000984	4.52	25661.46	4496.14	0.22
Gila	Upper Gila	1.15	100_year	Preproj_Design	65000.00	933.19	950.43	946.69	950.56	0.001014	4.57	25423.09	4445.83	0.22
Gila	Upper Gila	1.15	100_year	Withprj_Design	65000.00	933.19	950.40	946.69	950.53	0.001031	4.61	25287.18	4417.10	0.22
Gila	Upper Gila	1.15	Typ Peak_year	Preproj	2300.00	933.19	943.68	936.65	943.70	0.000350	1.27	2938.60	1288.17	0.09
Gila	Upper Gila	1.15	Typ Peak_year	TRWithprj	2300.00	933.19	943.67	936.65	943.69	0.000350	1.27	2934.91	1284.99	0.09
Gila	Upper Gila	1.15	Typ Peak_year	Preproj_Design	2300.00	933.19	943.67	936.65	943.69	0.000351	1.27	2931.93	1282.41	0.09
Gila	Upper Gila	1.15	Typ Peak_year	Withprj_Design	2300.00	933.19	943.67	936.65	943.69	0.000351	1.27	2930.99	1281.60	0.09
Gila	Upper Gila	1.09	5_year	Preproj	4000.00	933.01	944.35	938.29	944.37	0.001414	1.59	4422.97	2712.67	0.11
Gila	Upper Gila	1.09	5_year	TRWithprj	4000.00	933.01	944.37	938.29	944.40	0.001378	1.58	4492.44	2732.86	0.10
Gila	Upper Gila	1.09	5_year	Preproj_Design	4000.00	933.01	944.38	938.29	944.40	0.001375	1.58	4499.61	2734.69	0.10
Gila	Upper Gila	1.09	5_year	Withprj_Design	4000.00	933.01	944.40	938.29	944.43	0.001340	1.56	4570.28	2752.62	0.10
Gila	Upper Gila	1.09	10_year	Preproj	8000.00	933.01	945.74	940.24	945.76	0.000919	1.83	8784.64	3478.88	0.11
Gila	Upper Gila	1.09	10_year	TRWithprj	8000.00	933.01	945.73	940.24	945.76	0.000926	1.84	8760.23	3476.20	0.11
Gila	Upper Gila	1.09	10_year	Preproj_Design	8000.00	933.01	945.73	940.24	945.76	0.000922	1.83	8776.15	3477.95	0.11
Gila	Upper Gila	1.09	10_year	Withprj_Design	8000.00	933.01	945.73	940.24	945.75	0.000928	1.84	8753.23	3475.71	0.11
Gila	Upper Gila	1.09	20_year	Preproj	10000.00	933.01	945.97	941.03	946.00	0.000890	2.12	9593.18	3567.56	0.13
Gila	Upper Gila	1.09	20_year	TRWithprj	10000.00	933.01	945.95	941.03	945.98	0.000887	2.12	9535.50	3564.92	0.13
Gila	Upper Gila	1.09	20_year	Preproj_Design	10000.00	933.01	945.94	941.03	945.98	0.000894	2.12	9511.13	3563.56	0.13
Gila	Upper Gila	1.09	20_year	Withprj_Design	10000.00	933.01	945.94	941.03	945.98	0.000893	2.12	9514.18	3563.73	0.13
Gila	Upper Gila	1.09	50_year	Preproj	55000.00	933.01	949.83	945.84	949.92	0.000964	3.69	24575.19	4875.35	0.18
Gila	Upper Gila	1.09	50_year	TRWithprj	55000.00	933.01	949.75	945.84	949.84	0.001010	3.76	24205.76	4766.08	0.19
Gila	Upper Gila	1.09	50_year	Preproj_Design	55000.00	933.01	949.70	945.84	949.80	0.001035	3.80	24018.45	4724.39	0.19
Gila	Upper Gila	1.09	50_year	Withprj_Design	55000.00	933.01	949.69	945.84	949.79	0.001040	3.80	23978.54	4716.54	0.19
Gila	Upper Gila	1.09	100_year	Preproj	65000.00	933.01	950.37	946.19	950.47	0.000885	3.90	26898.11	5210.88	0.19
Gila	Upper Gila	1.09	100_year	TRWithprj	65000.00	933.01	950.19	946.19	950.30	0.000968	4.04	26135.98	5119.02	0.20
Gila	Upper Gila	1.09	100_year	Preproj_Design	65000.00	933.01	950.13	946.19	950.24	0.001001	4.09	25852.23	5082.01	0.20
Gila	Upper Gila	1.09	100_year	Withprj_Design	65000.00	933.01	950.09	946.19	950.21	0.001021	4.13	25689.82	5066.01	0.20
Gila	Upper Gila	1.09	Typ Peak_year	Preproj	2300.00	933.01	943.45	936.79	943.49	0.001587	1.55	1712.36	1322.47	0.11
Gila	Upper Gila	1.09	Typ Peak_year	TRWithprj	2300.00	933.01	943.45	936.79	943.48	0.001590	1.55	1708.98	1316.04	0.11
Gila	Upper Gila	1.09	Typ Peak_year	Preproj_Design	2300.00	933.01	943.45	936.79	943.48	0.001593	1.55	1706.23	1312.10	0.11
Gila	Upper Gila	1.09	Typ Peak_year	Withprj_Design	2300.00	933.01	943.45	936.79	943.48	0.001594	1.55	1705.42	1311.23	0.11
Gila	Upper Gila	1.02	5_year	Preproj	4000.00	932.50	943.35	937.80	943.44	0.005435	2.51	1901.77	816.39	0.17
Gila	Upper Gila	1.02	5_year	TRWithprj	4000.00	932.50	943.41	937.80	943.49	0.005291	2.49	1944.79	861.27	0.17
Gila	Upper Gila	1.02	5_year	Preproj_Design	4000.00	932.50	943.41	937.80	943.49	0.005276	2.48	1949.37	865.63	0.17
Gila	Upper Gila	1.02	5_year	Withprj_Design	4000.00	932.50	943.46	937.80	943.54	0.005131	2.45	1994.94	909.05	0.17
Gila	Upper Gila	1.02	10_year	Preproj	8000.00	932.50	945.09	939.80	945.16	0.003651	2.70	5330.99	3414.80	0.18
Gila	Upper Gila	1.02	10_year	TRWithprj	8000.00	932.50	945.08	939.80	945.15	0.003722	2.72	5279.42	3397.61	0.19
Gila	Upper Gila	1.02	10_year	Preproj_Design	8000.00	932.50	945.09	939.80	945.15	0.003676	2.71	5312.87	3409.00	0.18
Gila	Upper Gila	1.02	10_year	Withprj_Design	8000.00	932.50	945.07	939.80	945.14	0.003744	2.73	5263.88	3391.09	0.19
Gila	Upper Gila	1.02	20_year	Preproj	10000.00	932.50	945.38	940.64	945.45	0.002943	2.89	6349.59	3591.45	0.19
Gila	Upper Gila	1.02	20_year	TRWithprj	10000.00	932.50	945.36	940.64	945.44	0.003022	2.93	6272.98	3581.12	0.20
Gila	Upper Gila	1.02	20_year	Preproj_Design	10000.00	932.50	945.35	940.64	945.42	0.003075	2.95	6223.41	3574.30	0.20
Gila	Upper Gila	1.02	20_year	Withprj_Design	10000.00	932.50	945.35	940.64	945.42	0.003069	2.95	6229.30	3575.11	0.20
Gila	Upper Gila	1.02	50_year	Preproj	55000.00	932.50	949.40	946.09	949.50	0.001441	3.57	22842.34	4397.68	0.19
Gila	Upper Gila	1.02	50_year	TRWithprj	55000.00	932.50	949.29	946.09	949.39	0.001547	3.68	22346.94	4391.42	0.20
Gila	Upper Gila	1.02	50_year	Preproj_Design	55000.00	932.50	949.23	946.09	949.34	0.001604	3.73	22092.11	4381.78	0.20
Gila	Upper Gila	1.02	50_year	Withprj_Design	55000.00	932.50	949.22	946.09	949.33	0.001617	3.74	22037.29	4381.33	0.20
Gila	Upper Gila	1.02	100_year	Preproj	65000.00	932.50	949.99	946.18	950.10	0.001230	3.69	25428.41	4426.66	0.19
Gila	Upper Gila	1.02	100_year	TRWithprj	65000.00	932.50	949.77	946.18	949.89	0.001398	3.88	24452.21	4420.14	0.21
Gila	Upper Gila	1.02	100_year	Preproj_Design	65000.00	932.50	949.68	946.18	949.81	0.001469	3.96	24080.11	4415.19	0.21
Gila	Upper Gila	1.02	100_year	Withprj_Design	65000.00	932.50	949.64	946.18	949.76	0.001511	4.00	23864.60	4410.56	0.21
Gila	Upper Gila	1.02	Typ Peak_year	Preproj	2300.00	932.50	942.46	936.60	942.55	0.004902	2.30	999.33	301.82	0.16
Gila	Upper Gila	1.02	Typ Peak_year	TRWithprj	2300.00	932.50	942.46	936.60	942.54	0.004913	2.30	998.43	300.77	0.16
Gila	Upper Gila	1.02	Typ Peak_year	Preproj_Design	2300.00	932.50	942.45	936.60	942.54	0.004922	2.31	997.72	299.94	0.16
Gila	Upper Gila	1.02	Typ Peak_year	Withprj_Design	2300.00	932.50	942.45	936.60	942.54	0.004925	2.31	997.50	299.68	0.16
Gila	Upper Gila	0.96	5_year	Preproj	4000.00	932.50	942.70	936.91	942.79	0.000934	2.72	2499.21	751.27	0.17
Gila	Upper Gila	0.96	5_year	TRWithprj	4000.00	932.50	942.77	936.91	942.86	0.000903	2.68	2553.88	777.52	0.16
Gila	Upper Gila	0.96	5_year	Preproj_Design	4000.00	932.50	942.78	936.91	942.87	0.000899	2.68	2559.68	780.59	0.16
Gila	Upper Gila	0.96	5_year	Withprj_Design	4000.00	932.50	942.85	936.91	942.94	0.000875	2.65	2614.07	836.85	0.16
Gila	Upper Gila	0.96	10_year	Preproj	8000.00	932.50	944.19	938.85	944.36	0.001571	3.88	4383.71	2077.86	0.30
Gila	Upper Gila	0.96	10_year	TRWithprj	8000.00	932.50	944.16	938.85	944.33	0.001594	3.92	4322.06	2029.31	0.31
Gila	Upper Gila	0.96	10_year	Preproj_Design	8000.00	932.50	944.19	938.85	944.35	0.001575	3.89	4366.14	2063.36	0.30
Gila	Upper Gila	0.96	10_year	Withprj_Design	8000.00	932.50	944.15	938.85	944.32	0.001603	3.93	4301.82	2015.35	0.31
Gila	Upper Gila	0.96	20_year	Preproj	10000.00	932.50	944.51	939.67	944.69	0.001663	4.21	5169.08	2816.82	0.32
Gila	Upper Gila	0.96	20_year	TRWithprj	10000.00	932.50	944.46	939.67	944.65	0.001727	4.29	5020.05	2709.87	0.33
Gila	Upper Gila	0.96	20_year	Preproj_Design	10000.00	932.50	944.42	939.67	944.62	0.001778	4.36	4915.20	2633.80	0.34
Gila	Upper Gila	0.96	20_year	Withprj_Design	10000.00	932.50	944.42	939.67	944.62	0.001772	4.35	4927.44	2642.32	0.34
Gila	Upper Gila	0.96	50_year	Preproj	55000.00	932.50	948.85	946.11	948.99	0.001405	4.81	21842.13	4061.08	0.28
Gila	Upper Gila	0.96	50_year	TRWithprj	55000.00	932.50	948.69	946.11	948.84	0.001543	5.01	21178.53	4055.91	0.29
Gila	Upper Gila	0.96	50_year	Preproj_Design	55000.00	932.50	948.60	946.11	948.76	0.001623	5.12	20825.56	4054.81	0.30
Gila	Upper Gila	0.96	50_year	Withprj_Design	55000.00	932.50	948.58	946.11	948.75	0.001642	5.14	20747.86	4054.56	0.30
Gila	Upper Gila	0.96	100_year	Preproj	65000.00	932.50	949.52	946.30	949.67	0.001195	4.75	24565.34	4090.06	0.26
Gila	Upper Gila	0.96	100_year	TRWithprj	65000.00	932.50	949.23	946.30	949.39	0.001395	5.08	23362.63	4080.42	0.29
Gila	Upper Gila	0.96	100_year	Preproj_Design	65000.00	932.50	949.11	946.30	949.28	0.001487	5.22	22882.72	4077.05	0.30
Gila	Upper Gila	0.96	100_year	Withprj_Design	65000.00	932.50	949.04	946.30	949.22	0.001546	5.30	22598.47	4072.86	0.30
Gila	Upper Gila	0.96	Typ Peak_year	Preproj	2300.00	932.50	942.00	935.87	942.08	0.000643	2.17	1061.31	511.32	0.14
Gila	Upper Gila	0.96	Typ Peak_year	TRWithprj	2300.00	932.50	942.00	935.87	942.07	0.000644	2.17	1060.38	510.30	0.14
Gila	Upper Gila	0.96	Typ Peak_year	Preproj_Design	2300.00	932.50	941.99	935.87	942.07	0.000645	2.17	1059.64	509.49	0.14
Gila	Upper Gila	0.96	Typ Peak_year	Withprj_Design	2300.00	932.50	941.99	935.87	942.06	0.000646	2.17	1059.41	509.24	0.14
Gila	Upper Gila	0.91	5_year	Preproj	4000.00	932.10	942.46	936.71	942.48	0.001263	1.32	3813.28	1059.94	0.08
Gila	Upper Gila	0.91	5_year	TRWithprj	4000.00	932.10	942.54	936.71	942.56	0.001245	1.32	3897.29	1118.78	0.08
Gila	Upper Gila	0.91	5_year	Preproj_Design	4000.00	932.10	942.55	936.71	942.57	0.001242	1.31	3906.46	1124.85	0.08
Gila	Upper Gila	0.91	5_year	Withprj_Design	4000.00	932.10	942.62	936.71	942.64	0.001207	1.30	3992.98	1182.68	0.08
Gila	Upper Gila	0.91	10_year	Preproj	8000.00	932.10	943.80	938.42	943.84	0.002061	2.17	5967.17	2424.49	0.14
Gila	Upper Gila	0.91	10_year	TRWithprj	8000.00	932.10	943.76	938.42	943.80	0.002089	2.21	5881.41	2369.12	0.14
Gila	Upper Gila	0.91	10_year	Preproj_Design	8000.00	932.10	943.79	938.42	943.83	0.002064	2.18	5944.59	2411.88	0.14
Gila	Upper Gila	0.91	10_year	Withprj_Design	8000.00	932.10	943.75	938.42	943.79	0.002099	2.22	5852.76	2349.49	0.14
Gila	Upper Gila	0.91	20_year	Preproj	10000.00	932.10	944.13	939.15	944.18	0.001870	2.40	6816.10	2671.72	0.15

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	0.91	20_year	TRWithprj	10000.00	932.10	944.05	939.15	944.11	0.001999	2.48	6615.79	2634.95	0.16
Gila	Upper Gila	0.91	20_year	Preproj_Design	10000.00	932.10	944.01	939.15	944.06	0.002002	2.48	6504.99	2609.86	0.16
Gila	Upper Gila	0.91	20_year	Withprj_Design	10000.00	932.10	944.02	939.15	944.07	0.001991	2.48	6521.73	2614.01	0.16
Gila	Upper Gila	0.91	50_year	Preproj	55000.00	932.10	948.50	944.45	948.59	0.001426	3.43	22635.79	4187.22	0.19
Gila	Upper Gila	0.91	50_year	TRWithprj	55000.00	932.10	948.29	944.45	948.40	0.001593	3.57	21842.88	4161.24	0.20
Gila	Upper Gila	0.91	50_year	Preproj_Design	55000.00	932.10	948.18	944.45	948.30	0.001694	3.66	21412.91	4152.31	0.21
Gila	Upper Gila	0.91	50_year	Withprj_Design	55000.00	932.10	948.16	944.45	948.27	0.001718	3.68	21317.44	4150.33	0.21
Gila	Upper Gila	0.91	100_year	Preproj	65000.00	932.10	949.22	944.79	949.33	0.001198	3.54	25532.18	4330.32	0.19
Gila	Upper Gila	0.91	100_year	TRWithprj	65000.00	932.10	948.87	944.79	948.99	0.001438	3.80	24108.80	4290.72	0.21
Gila	Upper Gila	0.91	100_year	Preproj_Design	65000.00	932.10	948.73	944.79	948.86	0.001515	3.87	23557.22	4213.25	0.21
Gila	Upper Gila	0.91	100_year	Withprj_Design	65000.00	932.10	948.64	944.79	948.77	0.001585	3.93	23216.16	4202.38	0.22
Gila	Upper Gila	0.91	Typ Peak_year	Preproj	2300.00	932.10	941.69	935.68	941.75	0.003042	1.94	1185.28	764.26	0.13
Gila	Upper Gila	0.91	Typ Peak_year	TRWithprj	2300.00	932.10	941.69	935.68	941.75	0.003051	1.94	1183.97	762.10	0.13
Gila	Upper Gila	0.91	Typ Peak_year	Preproj_Design	2300.00	932.10	941.68	935.68	941.74	0.003059	1.94	1182.94	760.38	0.13
Gila	Upper Gila	0.91	Typ Peak_year	Withprj_Design	2300.00	932.10	941.68	935.68	941.74	0.003061	1.94	1182.63	759.86	0.13
Gila	Upper Gila	0.86	5_year	Preproj	4000.00	932.03	942.12	937.02	942.14	0.001133	1.76	3558.01	1051.76	0.13
Gila	Upper Gila	0.86	5_year	TRWithprj	4000.00	932.03	942.21	937.02	942.24	0.001076	1.72	3657.84	1104.00	0.13
Gila	Upper Gila	0.86	5_year	Preproj_Design	4000.00	932.03	942.21	937.02	942.24	0.001072	1.72	3663.98	1106.40	0.13
Gila	Upper Gila	0.86	5_year	Withprj_Design	4000.00	932.03	942.28	937.02	942.31	0.001115	1.76	3744.57	1149.83	0.13
Gila	Upper Gila	0.86	10_year	Preproj	8000.00	932.03	943.18	938.99	943.25	0.002079	2.78	5150.75	1874.28	0.21
Gila	Upper Gila	0.86	10_year	TRWithprj	8000.00	932.03	943.13	938.99	943.20	0.002163	2.84	5053.68	1824.20	0.21
Gila	Upper Gila	0.86	10_year	Preproj_Design	8000.00	932.03	943.17	938.99	943.23	0.002100	2.80	5124.91	1855.34	0.21
Gila	Upper Gila	0.86	10_year	Withprj_Design	8000.00	932.03	943.11	938.99	943.18	0.002195	2.86	5019.72	1813.19	0.21
Gila	Upper Gila	0.86	20_year	Preproj	10000.00	932.03	943.56	939.83	943.63	0.001943	3.00	5914.03	2225.06	0.22
Gila	Upper Gila	0.86	20_year	TRWithprj	10000.00	932.03	943.44	939.83	943.52	0.002077	3.10	5661.22	2100.72	0.23
Gila	Upper Gila	0.86	20_year	Preproj_Design	10000.00	932.03	943.39	939.83	943.47	0.002124	3.13	5558.36	2045.00	0.23
Gila	Upper Gila	0.86	20_year	Withprj_Design	10000.00	932.03	943.40	939.83	943.48	0.002107	3.12	5580.16	2060.44	0.23
Gila	Upper Gila	0.86	50_year	Preproj	55000.00	932.03	948.10	944.37	948.19	0.001272	3.65	24458.28	4810.79	0.21
Gila	Upper Gila	0.86	50_year	TRWithprj	55000.00	932.03	947.84	944.37	947.94	0.001499	3.91	23191.54	4804.32	0.23
Gila	Upper Gila	0.86	50_year	Preproj_Design	55000.00	932.03	947.69	944.37	947.80	0.001652	4.07	22472.52	4800.64	0.24
Gila	Upper Gila	0.86	50_year	Withprj_Design	55000.00	932.03	947.65	944.37	947.77	0.001689	4.10	22306.70	4799.79	0.24
Gila	Upper Gila	0.86	100_year	Preproj	65000.00	932.03	948.91	944.86	949.00	0.000966	3.53	28368.57	4826.92	0.20
Gila	Upper Gila	0.86	100_year	TRWithprj	65000.00	932.03	948.48	944.86	948.59	0.001226	3.89	26297.59	4820.13	0.22
Gila	Upper Gila	0.86	100_year	Preproj_Design	65000.00	932.03	948.31	944.86	948.43	0.001356	4.05	25470.37	4815.96	0.23
Gila	Upper Gila	0.86	100_year	Withprj_Design	65000.00	932.03	948.20	944.86	948.32	0.001449	4.16	24930.55	4813.20	0.24
Gila	Upper Gila	0.86	Typ Peak_year	Preproj	2300.00	932.03	940.89	935.96	941.00	0.002530	2.59	889.36	652.07	0.18
Gila	Upper Gila	0.86	Typ Peak_year	TRWithprj	2300.00	932.03	940.88	935.96	940.99	0.002542	2.59	887.87	650.75	0.18
Gila	Upper Gila	0.86	Typ Peak_year	Preproj_Design	2300.00	932.03	940.87	935.96	940.98	0.002551	2.59	886.70	649.71	0.18
Gila	Upper Gila	0.86	Typ Peak_year	Withprj_Design	2300.00	932.03	940.87	935.96	940.98	0.002554	2.59	886.34	649.39	0.18
Gila	Upper Gila	0.80	5_year	Preproj	4000.00	931.96	941.91	935.58	941.94	0.000415	1.53	4673.08	1492.46	0.10
Gila	Upper Gila	0.80	5_year	TRWithprj	4000.00	931.96	942.02	935.58	942.04	0.000393	1.50	4831.10	1588.91	0.09
Gila	Upper Gila	0.80	5_year	Preproj_Design	4000.00	931.96	942.02	935.58	942.05	0.000392	1.50	4840.82	1596.93	0.09
Gila	Upper Gila	0.80	5_year	Withprj_Design	4000.00	931.96	942.10	935.58	942.12	0.000378	1.47	4962.94	1707.99	0.09
Gila	Upper Gila	0.80	10_year	Preproj	8000.00	931.96	942.77	937.07	942.83	0.000865	2.53	6300.29	2258.02	0.16
Gila	Upper Gila	0.80	10_year	TRWithprj	8000.00	931.96	942.70	937.07	942.77	0.000898	2.57	6147.90	2197.05	0.16
Gila	Upper Gila	0.80	10_year	Preproj_Design	8000.00	931.96	942.75	937.07	942.82	0.000876	2.55	6258.14	2241.36	0.16
Gila	Upper Gila	0.80	10_year	Withprj_Design	8000.00	931.96	942.68	937.07	942.74	0.000914	2.59	6091.56	2177.23	0.16
Gila	Upper Gila	0.80	20_year	Preproj	10000.00	931.96	943.14	937.68	943.22	0.000894	2.83	7227.25	2687.28	0.17
Gila	Upper Gila	0.80	20_year	TRWithprj	10000.00	931.96	943.01	937.68	943.08	0.000940	2.87	6865.92	2563.03	0.18
Gila	Upper Gila	0.80	20_year	Preproj_Design	10000.00	931.96	942.94	937.68	943.02	0.000977	2.92	6703.63	2450.23	0.18
Gila	Upper Gila	0.80	20_year	Withprj_Design	10000.00	931.96	942.96	937.68	943.04	0.000968	2.91	6739.96	2474.35	0.18
Gila	Upper Gila	0.80	50_year	Preproj	55000.00	931.96	947.77	942.10	947.87	0.000799	4.11	27365.01	4832.12	0.20
Gila	Upper Gila	0.80	50_year	TRWithprj	55000.00	931.96	947.44	942.10	947.55	0.000957	4.43	25774.01	4815.95	0.22
Gila	Upper Gila	0.80	50_year	Preproj_Design	55000.00	931.96	947.24	942.10	947.37	0.001071	4.64	24826.35	4809.72	0.23
Gila	Upper Gila	0.80	50_year	Withprj_Design	55000.00	931.96	947.19	942.10	947.32	0.001100	4.69	24601.80	4808.17	0.24
Gila	Upper Gila	0.80	100_year	Preproj	65000.00	931.96	948.66	942.10	948.75	0.000625	3.97	31688.48	4879.81	0.19
Gila	Upper Gila	0.80	100_year	TRWithprj	65000.00	931.96	948.16	942.10	948.27	0.000798	4.38	29251.63	4847.09	0.21
Gila	Upper Gila	0.80	100_year	Preproj_Design	65000.00	931.96	947.95	942.10	948.07	0.000888	4.57	28236.91	4841.25	0.22
Gila	Upper Gila	0.80	100_year	Withprj_Design	65000.00	931.96	947.81	942.10	947.94	0.000957	4.71	27557.67	4835.43	0.23
Gila	Upper Gila	0.80	Typ Peak_year	Preproj	2300.00	931.96	940.63	934.74	940.67	0.000524	1.58	1451.33	828.37	0.11
Gila	Upper Gila	0.80	Typ Peak_year	TRWithprj	2300.00	931.96	940.61	934.74	940.65	0.000527	1.59	1448.73	818.94	0.11
Gila	Upper Gila	0.80	Typ Peak_year	Preproj_Design	2300.00	931.96	940.60	934.74	940.64	0.000529	1.59	1446.68	811.49	0.11
Gila	Upper Gila	0.80	Typ Peak_year	Withprj_Design	2300.00	931.96	940.60	934.74	940.64	0.000530	1.59	1446.05	809.19	0.11
Gila	Upper Gila	0.74	5_year	Preproj	4000.00	931.89	941.73	937.37	941.78	0.000613	1.96	4133.68	1931.79	0.16
Gila	Upper Gila	0.74	5_year	TRWithprj	4000.00	931.89	941.85	937.37	941.89	0.000571	1.89	4359.92	2018.14	0.15
Gila	Upper Gila	0.74	5_year	Preproj_Design	4000.00	931.89	941.86	937.37	941.90	0.000568	1.89	4373.48	2022.18	0.15
Gila	Upper Gila	0.74	5_year	Withprj_Design	4000.00	931.89	941.94	937.37	941.98	0.000548	1.86	4536.39	2065.43	0.15
Gila	Upper Gila	0.74	10_year	Preproj	8000.00	931.89	942.42	939.64	942.51	0.001204	2.98	5632.95	2458.90	0.23
Gila	Upper Gila	0.74	10_year	TRWithprj	8000.00	931.89	942.33	939.64	942.43	0.001296	3.08	5410.20	2383.29	0.24
Gila	Upper Gila	0.74	10_year	Preproj_Design	8000.00	931.89	942.40	939.64	942.49	0.001228	3.00	5570.95	2437.82	0.23
Gila	Upper Gila	0.74	10_year	Withprj_Design	8000.00	931.89	942.30	939.64	942.40	0.001332	3.12	5326.42	2357.65	0.24
Gila	Upper Gila	0.74	20_year	Preproj	10000.00	931.89	942.80	940.12	942.90	0.001183	3.15	6637.17	2819.08	0.23
Gila	Upper Gila	0.74	20_year	TRWithprj	10000.00	931.89	942.62	940.12	942.73	0.001373	3.37	6130.85	2632.91	0.25
Gila	Upper Gila	0.74	20_year	Preproj_Design	10000.00	931.89	942.53	940.12	942.65	0.001480	3.48	5894.01	2545.37	0.26
Gila	Upper Gila	0.74	20_year	Withprj_Design	10000.00	931.89	942.55	940.12	942.67	0.001455	3.45	5947.95	2563.13	0.26
Gila	Upper Gila	0.74	50_year	Preproj	55000.00	931.89	947.50	943.66	947.60	0.000905	3.93	26093.10	4544.69	0.22
Gila	Upper Gila	0.74	50_year	TRWithprj	55000.00	931.89	947.11	943.66	947.23	0.001119	4.29	24325.12	4538.20	0.24
Gila	Upper Gila	0.74	50_year	Preproj_Design	55000.00	931.89	946.87	943.66	947.00	0.001286	4.55	23226.37	4533.85	0.26
Gila	Upper Gila	0.74	50_year	Withprj_Design	55000.00	931.89	946.81	943.66	946.95	0.001331	4.61	22959.60	4532.79	0.26
Gila	Upper Gila	0.74	100_year	Preproj	65000.00	931.89	948.46	943.95	948.55	0.000689	3.74	30415.10	4562.75	0.20
Gila	Upper Gila	0.74	100_year	TRWithprj	65000.00	931.89	947.89	943.95	948.01	0.000904	4.17	27857.65	4552.85	0.22
Gila	Upper Gila	0.74	100_year	Preproj_Design	65000.00	931.89	947.65	943.95	947.78	0.001024	4.39	26754.17	4547.75	0.24
Gila	Upper Gila	0.74	100_year	Withprj_Design	65000.00	931.89	947.48	943.95	947.62	0.001118	4.55	25997.58	4544.34	0.25
Gila	Upper Gila	0.74	Typ Peak_year	Preproj	2300.00	931.89	940.40	935.76	940.47	0.000724	2.15	1070.18	918.51	0.20
Gila	Upper Gila	0.74	Typ Peak_year	TRWithprj	2300.00	931.89	940.38	935.76	940.46	0.000730	2.16	1065.83	909.35	0.21
Gila	Upper Gila	0.74	Typ Peak_year	Preproj_Design	2300.00	931.89	940.37	935.76	940.44	0.000734	2.16	1062.37	902.06	0.21
Gila	Upper Gila	0.74	Typ Peak_year	Withprj_Design	2300.00	931.89	940.37	935.76	940.44	0.000735	2.17	1061.32	899.86	0.21
Gila	Upper Gila	0.69	5_year	Preproj	4000.00	931.89	941.63	936.55	941.65	0.000439	1.40	5748.09	2513.08	0.12
Gila	Upper Gila	0.69	5_year	TRWithprj	4000.00	931.89	941.61	936.55	941.70	0.001273	2.38	1681.42	2499.69	0.20
Gila	Upper Gila	0.69	5_year	Preproj_Design	4000.00	931.89	941.76	936.55	941.78	0.000401	1.34	6082.05	2613.36	0.11
Gila	Upper Gila	0.69	5_year	Withprj_Design	4000.00	931.89	941.84	936.55	941.86	0.000374	1.30	6307.57	2656.13	0.10
Gila	Upper Gila	0.69	10_year	Preproj	8000.00	931.89	942.21	938.64	942.26	0.000860	2.19	7312.31	2787.47	0.17
Gila	Upper Gila	0.69	10_year	TRWithprj	8000.00	931.89	942.10	938.64	942.15	0.000946	2.28	7004.54	2746.96	0.18
Gila	Upper Gila	0.69	10_year	Preproj_Design	8000.00	931.89	942.18	938.64	942.23	0.000884	2.21	7227.24	2777.29	0.17
Gila	Upper Gila	0.69	10_year	Withprj_Design	8000.00	931.89	942.06	938.64	942.11	0.000984	2.32	6884.95	2735.95	0.18

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	0.69	20_year	Preproj	10000.00	931.89	942.61	939.60	942.65	0.000781	2.27	8484.41	3150.43	0.17
Gila	Upper Gila	0.69	20_year	TRWithprj	10000.00	931.89	942.39	939.60	942.44	0.000934	2.45	7812.39	2924.13	0.19
Gila	Upper Gila	0.69	20_year	Preproj_Design	10000.00	931.89	942.27	939.60	942.33	0.001033	2.55	7485.74	2828.32	0.20
Gila	Upper Gila	0.69	20_year	Withprj_Design	10000.00	931.89	942.30	939.60	942.36	0.001009	2.53	7560.89	2845.94	0.19
Gila	Upper Gila	0.69	50_year	Preproj	55000.00	931.89	947.32	942.51	947.40	0.000704	3.29	26290.59	4650.83	0.18
Gila	Upper Gila	0.69	50_year	TRWithprj	55000.00	931.89	946.89	942.51	946.98	0.000887	3.61	26272.69	4642.63	0.20
Gila	Upper Gila	0.69	50_year	Preproj_Design	55000.00	931.89	946.61	942.51	946.71	0.001034	3.84	24987.53	4617.08	0.22
Gila	Upper Gila	0.69	50_year	Withprj_Design	55000.00	931.89	946.54	942.51	946.64	0.001076	3.90	24669.47	4611.62	0.22
Gila	Upper Gila	0.69	100_year	Preproj	65000.00	931.89	948.32	942.53	948.39	0.000533	3.15	32914.50	4666.60	0.17
Gila	Upper Gila	0.69	100_year	TRWithprj	65000.00	931.89	947.71	942.53	947.80	0.000709	3.53	30092.40	4657.05	0.19
Gila	Upper Gila	0.69	100_year	Preproj_Design	65000.00	931.89	947.44	942.53	947.54	0.000810	3.72	28846.48	4652.86	0.20
Gila	Upper Gila	0.69	100_year	Withprj_Design	65000.00	931.89	947.26	942.53	947.36	0.000892	3.86	27979.07	4649.69	0.21
Gila	Upper Gila	0.69	Typ Peak_year	Preproj	2300.00	931.89	940.22	935.59	940.28	0.000911	1.95	1177.93	1215.89	0.19
Gila	Upper Gila	0.69	Typ Peak_year	TRWithprj	2300.00	931.89	940.21	935.59	940.27	0.000919	1.96	1172.43	1199.14	0.19
Gila	Upper Gila	0.69	Typ Peak_year	Preproj_Design	2300.00	931.89	940.19	935.59	940.25	0.000926	1.97	1168.09	1191.90	0.19
Gila	Upper Gila	0.69	Typ Peak_year	Withprj_Design	2300.00	931.89	940.19	935.59	940.25	0.000928	1.97	1166.77	1189.65	0.19
Gila	Upper Gila	0.64	5_year	Preproj	4000.00	931.89	940.81	936.87	941.00	0.008999	3.48	1150.46	1854.37	0.27
Gila	Upper Gila	0.64	5_year	TRWithprj	4000.00	931.89	940.79	936.87	940.98	0.009015	3.49	1145.22	1846.64	0.27
Gila	Upper Gila	0.64	5_year	Preproj_Design	4000.00	931.89	941.33	936.87	941.48	0.007155	3.16	1267.71	2080.48	0.24
Gila	Upper Gila	0.64	5_year	Withprj_Design	4000.00	931.89	941.44	936.87	941.58	0.006731	3.09	1293.12	2151.29	0.23
Gila	Upper Gila	0.64	10_year	Preproj	8000.00	931.89	941.86	938.93	941.91	0.002180	2.33	6020.58	2471.11	0.17
Gila	Upper Gila	0.64	10_year	TRWithprj	8000.00	931.89	941.71	938.93	941.76	0.002504	2.46	5650.11	2365.34	0.18
Gila	Upper Gila	0.64	10_year	Preproj_Design	8000.00	931.89	941.83	938.93	941.87	0.002226	2.35	5925.35	2435.43	0.17
Gila	Upper Gila	0.64	10_year	Withprj_Design	8000.00	931.89	941.65	938.93	941.70	0.002663	2.53	5500.57	2316.71	0.19
Gila	Upper Gila	0.64	20_year	Preproj	10000.00	931.89	942.32	939.52	942.36	0.001636	2.43	7241.23	2937.06	0.17
Gila	Upper Gila	0.64	20_year	TRWithprj	10000.00	931.89	942.01	939.52	942.07	0.002195	2.74	6401.49	2629.39	0.20
Gila	Upper Gila	0.64	20_year	Preproj_Design	10000.00	931.89	941.85	939.52	941.92	0.002564	2.92	5978.78	2456.03	0.21
Gila	Upper Gila	0.64	20_year	Withprj_Design	10000.00	931.89	941.89	939.52	941.96	0.002460	2.87	6078.77	2496.76	0.21
Gila	Upper Gila	0.64	50_year	Preproj	55000.00	931.89	947.11	942.52	947.19	0.000880	3.32	26459.71	4329.02	0.18
Gila	Upper Gila	0.64	50_year	TRWithprj	55000.00	931.89	946.61	942.52	946.71	0.001147	3.67	24310.98	4325.32	0.20
Gila	Upper Gila	0.64	50_year	Preproj_Design	55000.00	931.89	946.28	942.52	946.39	0.001386	3.95	22880.20	4323.19	0.22
Gila	Upper Gila	0.64	50_year	Withprj_Design	55000.00	931.89	946.19	942.52	946.31	0.001456	4.02	22515.30	4322.59	0.22
Gila	Upper Gila	0.64	100_year	Preproj	65000.00	931.89	948.15	942.86	948.23	0.000642	3.22	30999.53	4339.96	0.16
Gila	Upper Gila	0.64	100_year	TRWithprj	65000.00	931.89	947.49	942.86	947.59	0.000875	3.62	28123.33	4332.14	0.19
Gila	Upper Gila	0.64	100_year	Preproj_Design	65000.00	931.89	947.19	942.86	947.29	0.001017	3.83	26814.61	4329.69	0.20
Gila	Upper Gila	0.64	100_year	Withprj_Design	65000.00	931.89	946.97	942.86	947.09	0.001136	4.00	25883.80	4327.94	0.21
Gila	Upper Gila	0.64	Typ Peak_year	Preproj	2300.00	931.89	939.68	935.39	939.78	0.006180	2.54	905.35	1097.03	0.22
Gila	Upper Gila	0.64	Typ Peak_year	TRWithprj	2300.00	931.89	939.66	935.39	939.76	0.006280	2.55	900.77	1064.47	0.22
Gila	Upper Gila	0.64	Typ Peak_year	Preproj_Design	2300.00	931.89	939.64	935.39	939.74	0.006361	2.56	897.13	1043.89	0.22
Gila	Upper Gila	0.64	Typ Peak_year	Withprj_Design	2300.00	931.89	939.63	935.39	939.74	0.006386	2.57	896.01	1038.39	0.22
Gila	Upper Gila	0.59	5_year	Preproj	4000.00	931.89	940.77	937.22	940.79	0.000176	1.49	5415.41	2383.24	0.14
Gila	Upper Gila	0.59	5_year	TRWithprj	4000.00	931.89	940.75	937.22	940.77	0.000179	1.51	5356.37	2336.00	0.14
Gila	Upper Gila	0.59	5_year	Preproj_Design	4000.00	931.89	940.48	937.22	940.74	0.001294	4.10	975.36	2181.31	0.38
Gila	Upper Gila	0.59	5_year	Withprj_Design	4000.00	931.89	940.67	937.22	940.90	0.001190	3.90	1026.33	2260.00	0.36
Gila	Upper Gila	0.59	10_year	Preproj	8000.00	931.89	941.66	939.61	941.69	0.000348	2.09	7867.68	3164.79	0.18
Gila	Upper Gila	0.59	10_year	TRWithprj	8000.00	931.89	941.48	939.61	941.51	0.000388	2.22	7313.00	3033.42	0.19
Gila	Upper Gila	0.59	10_year	Preproj_Design	8000.00	931.89	941.61	939.61	941.64	0.000357	2.12	7729.49	3115.94	0.19
Gila	Upper Gila	0.59	10_year	Withprj_Design	8000.00	931.89	941.40	939.61	941.44	0.000409	2.29	7081.66	2969.76	0.20
Gila	Upper Gila	0.59	20_year	Preproj	10000.00	931.89	942.13	940.31	942.16	0.000347	2.10	9421.89	3410.54	0.18
Gila	Upper Gila	0.59	20_year	TRWithprj	10000.00	931.89	941.77	940.31	941.81	0.000449	2.40	8220.22	3264.63	0.21
Gila	Upper Gila	0.59	20_year	Preproj_Design	10000.00	931.89	941.56	940.31	941.61	0.000516	2.60	7571.31	3089.05	0.23
Gila	Upper Gila	0.59	20_year	Withprj_Design	10000.00	931.89	941.61	940.31	941.66	0.000498	2.55	7729.87	3115.99	0.22
Gila	Upper Gila	0.59	50_year	Preproj	55000.00	931.89	946.90	941.65	946.97	0.000514	3.17	26723.89	4486.63	0.19
Gila	Upper Gila	0.59	50_year	TRWithprj	55000.00	931.89	946.35	941.65	946.43	0.000666	3.52	26240.83	4400.88	0.21
Gila	Upper Gila	0.59	50_year	Preproj_Design	55000.00	931.89	945.96	941.65	946.06	0.000805	3.81	24543.58	4381.55	0.24
Gila	Upper Gila	0.59	50_year	Withprj_Design	55000.00	931.89	945.86	941.65	945.96	0.000840	3.88	24110.73	4341.06	0.24
Gila	Upper Gila	0.59	100_year	Preproj	65000.00	931.89	948.00	941.95	948.07	0.000400	3.02	33664.23	4504.67	0.17
Gila	Upper Gila	0.59	100_year	TRWithprj	65000.00	931.89	947.28	941.95	947.37	0.000541	3.41	30431.24	4494.54	0.20
Gila	Upper Gila	0.59	100_year	Preproj_Design	65000.00	931.89	946.95	941.95	947.04	0.000628	3.62	28920.86	4489.32	0.21
Gila	Upper Gila	0.59	100_year	Withprj_Design	65000.00	931.89	946.70	941.95	946.81	0.000702	3.78	27828.45	4464.91	0.23
Gila	Upper Gila	0.59	Typ Peak_year	Preproj	2300.00	931.89	939.04	935.77	939.24	0.000869	3.58	641.90	1462.03	0.36
Gila	Upper Gila	0.59	Typ Peak_year	TRWithprj	2300.00	931.89	939.01	935.77	939.21	0.000886	3.62	634.75	1430.44	0.36
Gila	Upper Gila	0.59	Typ Peak_year	Preproj_Design	2300.00	931.89	938.98	935.77	939.19	0.000900	3.66	628.97	1358.77	0.37
Gila	Upper Gila	0.59	Typ Peak_year	Withprj_Design	2300.00	931.89	938.97	935.77	939.18	0.000904	3.67	627.19	1335.88	0.37
Gila	Upper Gila	0.53	5_year	Preproj	4000.00	931.89	940.73	935.12	940.75	0.000121	1.24	6586.45	2774.63	0.10
Gila	Upper Gila	0.53	5_year	TRWithprj	4000.00	931.89	940.71	935.12	940.72	0.000123	1.25	6515.76	2752.90	0.10
Gila	Upper Gila	0.53	5_year	Preproj_Design	4000.00	931.89	940.30	935.12	940.42	0.000653	2.85	1402.20	2096.01	0.21
Gila	Upper Gila	0.53	5_year	Withprj_Design	4000.00	931.89	940.49	935.12	940.61	0.000599	2.75	1453.17	2342.32	0.21
Gila	Upper Gila	0.53	10_year	Preproj	8000.00	931.89	941.57	936.66	941.60	0.000248	1.87	9094.11	3083.37	0.14
Gila	Upper Gila	0.53	10_year	TRWithprj	8000.00	931.89	941.38	936.66	941.41	0.000282	1.99	8509.98	3055.43	0.15
Gila	Upper Gila	0.53	10_year	Preproj_Design	8000.00	931.89	941.52	936.66	941.55	0.000256	1.90	8951.08	3076.37	0.14
Gila	Upper Gila	0.53	10_year	Withprj_Design	8000.00	931.89	941.30	936.66	941.33	0.000299	2.04	8257.89	3045.54	0.16
Gila	Upper Gila	0.53	20_year	Preproj	10000.00	931.89	942.04	937.32	942.06	0.000247	1.95	10564.67	3282.69	0.14
Gila	Upper Gila	0.53	20_year	TRWithprj	10000.00	931.89	941.65	937.32	941.69	0.000321	2.20	9351.01	3095.93	0.17
Gila	Upper Gila	0.53	20_year	Preproj_Design	10000.00	931.89	941.43	937.32	941.47	0.000376	2.36	8665.49	3061.28	0.18
Gila	Upper Gila	0.53	20_year	Withprj_Design	10000.00	931.89	941.48	937.32	941.53	0.000362	2.32	8837.09	3070.78	0.18
Gila	Upper Gila	0.53	50_year	Preproj	55000.00	931.89	946.74	941.31	946.82	0.000454	3.45	29130.42	4409.28	0.19
Gila	Upper Gila	0.53	50_year	TRWithprj	55000.00	931.89	946.14	941.31	946.24	0.000581	3.81	26561.24	4252.98	0.21
Gila	Upper Gila	0.53	50_year	Preproj_Design	55000.00	931.89	945.71	941.31	945.82	0.000709	4.13	24749.99	4249.35	0.24
Gila	Upper Gila	0.53	50_year	Withprj_Design	55000.00	931.89	945.60	941.31	945.71	0.000749	4.22	24277.44	4248.40	0.24
Gila	Upper Gila	0.53	100_year	Preproj	65000.00	931.89	947.88	941.60	947.95	0.000358	3.30	34094.89	4453.47	0.17
Gila	Upper Gila	0.53	100_year	TRWithprj	65000.00	931.89	947.11	941.60	947.21	0.000487	3.73	30743.76	4424.36	0.20
Gila	Upper Gila	0.53	100_year	Preproj_Design	65000.00	931.89	946.75	941.60	946.85	0.000566	3.96	29153.29	4410.15	0.21
Gila	Upper Gila	0.53	100_year	Withprj_Design	65000.00	931.89	946.48	941.60	946.60	0.000630	4.13	28004.45	4293.03	0.23
Gila	Upper Gila	0.53	Typ Peak_year	Preproj	2300.00	931.89	938.96	934.33	939.03	0.000380	2.07	1111.84	1302.96	0.15
Gila	Upper Gila	0.53	Typ Peak_year	TRWithprj	2300.00	931.89	938.93	934.33	939.00	0.000387	2.08	1105.43	1283.43	0.15
Gila	Upper Gila	0.53	Typ Peak_year	Preproj_Design	2300.00	931.89	938.90	934.33	938.97	0.000392	2.09	1100.24	1267.62	0.15
Gila	Upper Gila	0.53	Typ Peak_year	Withprj_Design	2300.00	931.89	938.89	934.33	938.96	0.000394	2.09	1098.65	1262.76	0.15
Gila	Upper Gila	0.49	5_year	Preproj	4000.00	931.89	940.70	936.48	940.72	0.000150	1.35	5586.48	2510.06	0.12
Gila	Upper Gila	0.49	5_year	TRWithprj	4000.00	931.89	940.68	936.48	940.69	0.000153	1.37	5520.91	2498.44	0.12
Gila	Upper Gila	0.49	5_year	Preproj_Design	4000.00	931.89	940.30	936.48	940.32	0.000193	1.56	4630.66	2262.25	0.15
Gila	Upper Gila	0.49	5_year	Withprj_Design	4000.00	931.89	940.25	936.48	940.44	0.000950	3.47	1152.52	2225.75	0.33
Gila	Upper Gila	0.49	10_year	Preproj	8000.00	931.89	941.51	939.41	941.54	0.000319	2.01	7831.36	3101.39	0.17
Gila	Upper Gila	0.49	10_year	TRWithprj	8000.00	931.89	941.31	939.41	941.34	0.000365	2.15	7230.98	2951.03	0.18
Gila	Upper Gila	0.49	10_year	Preproj_Design	8000.00	931.89	941.46	939.41	941.49	0.000329	2.05	7683.08	3033.47	0.17

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	0.49	10_year	Withprj_Design	8000.00	931.89	941.22	939.41	941.26	0.000386	2.22	6976.72	2885.17	0.19
Gila	Upper Gila	0.49	20_year	Preproj	10000.00	931.89	941.98	939.84	942.01	0.000326	2.10	9386.98	3384.99	0.16
Gila	Upper Gila	0.49	20_year	TRWithprj	10000.00	931.89	941.57	939.84	941.61	0.000438	2.42	8025.08	3276.11	0.20
Gila	Upper Gila	0.49	20_year	Preproj_Design	10000.00	931.89	941.33	939.84	941.38	0.000503	2.59	7302.97	2962.33	0.22
Gila	Upper Gila	0.49	20_year	Withprj_Design	10000.00	931.89	941.39	939.84	941.44	0.000482	2.53	7482.70	2999.77	0.21
Gila	Upper Gila	0.49	50_year	Preproj	55000.00	931.89	946.65	941.43	946.73	0.000503	3.37	28049.34	4195.42	0.19
Gila	Upper Gila	0.49	50_year	TRWithprj	55000.00	931.89	946.01	941.43	946.11	0.000677	3.80	25386.24	4191.83	0.22
Gila	Upper Gila	0.49	50_year	Preproj_Design	55000.00	931.89	945.55	941.43	945.67	0.000840	4.15	23452.28	4181.52	0.25
Gila	Upper Gila	0.49	50_year	Withprj_Design	55000.00	931.89	945.43	941.43	945.55	0.000895	4.26	22939.81	4177.13	0.26
Gila	Upper Gila	0.49	100_year	Preproj	65000.00	931.89	947.80	941.84	947.87	0.000396	3.23	32941.57	4298.90	0.17
Gila	Upper Gila	0.49	100_year	TRWithprj	65000.00	931.89	947.01	941.84	947.10	0.000541	3.65	29566.63	4214.68	0.20
Gila	Upper Gila	0.49	100_year	Preproj_Design	65000.00	931.89	946.63	941.84	946.73	0.000637	3.89	27961.52	4194.37	0.22
Gila	Upper Gila	0.49	100_year	Withprj_Design	65000.00	931.89	946.34	941.84	946.46	0.000725	4.10	26774.16	4193.01	0.24
Gila	Upper Gila	0.49	Typ Peak_year	Preproj	2300.00	931.89	938.74	935.15	938.91	0.000684	3.33	689.76	1088.05	0.34
Gila	Upper Gila	0.49	Typ Peak_year	TRWithprj	2300.00	931.89	938.70	935.15	938.87	0.000700	3.38	680.19	1083.68	0.34
Gila	Upper Gila	0.49	Typ Peak_year	Preproj_Design	2300.00	931.89	938.66	935.15	938.84	0.000713	3.42	672.51	1075.39	0.35
Gila	Upper Gila	0.49	Typ Peak_year	Withprj_Design	2300.00	931.89	938.65	935.15	938.83	0.000717	3.43	670.18	1071.25	0.35
Gila	Upper Gila	0.44	5_year	Preproj	4000.00	931.88	940.51	936.64	940.63	0.001170	2.73	1463.39	2857.88	0.23
Gila	Upper Gila	0.44	5_year	TRWithprj	4000.00	931.88	940.48	936.64	940.60	0.001187	2.75	1453.58	2838.83	0.23
Gila	Upper Gila	0.44	5_year	Preproj_Design	4000.00	931.88	940.06	936.64	940.20	0.001477	3.06	1309.03	2558.59	0.27
Gila	Upper Gila	0.44	5_year	Withprj_Design	4000.00	931.88	939.98	936.64	940.13	0.001537	3.12	1283.81	2520.93	0.28
Gila	Upper Gila	0.44	10_year	Preproj	8000.00	931.88	941.12	938.76	941.35	0.002296	4.12	2661.71	3217.66	0.33
Gila	Upper Gila	0.44	10_year	TRWithprj	8000.00	931.88	941.24	938.76	941.26	0.000327	1.56	8610.68	3256.55	0.12
Gila	Upper Gila	0.44	10_year	Preproj_Design	8000.00	931.88	941.06	938.76	941.30	0.002377	4.19	2611.33	3197.33	0.34
Gila	Upper Gila	0.44	10_year	Withprj_Design	8000.00	931.88	941.15	938.76	941.17	0.000349	1.61	8313.87	3230.85	0.13
Gila	Upper Gila	0.44	20_year	Preproj	10000.00	931.88	941.92	939.17	941.93	0.000269	1.53	10896.61	3559.88	0.11
Gila	Upper Gila	0.44	20_year	TRWithprj	10000.00	931.88	941.49	939.17	941.51	0.000373	1.76	9427.47	3325.28	0.14
Gila	Upper Gila	0.44	20_year	Preproj_Design	10000.00	931.88	941.23	939.17	941.26	0.000452	1.92	8599.95	3255.95	0.15
Gila	Upper Gila	0.44	20_year	Withprj_Design	10000.00	931.88	941.30	939.17	941.33	0.000429	1.88	8811.80	3268.27	0.15
Gila	Upper Gila	0.44	50_year	Preproj	55000.00	931.88	946.55	941.13	946.61	0.000406	2.68	29712.60	4214.16	0.15
Gila	Upper Gila	0.44	50_year	TRWithprj	55000.00	931.88	945.88	941.13	945.96	0.000548	3.01	26913.53	4209.18	0.17
Gila	Upper Gila	0.44	50_year	Preproj_Design	55000.00	931.88	945.38	941.13	945.48	0.000697	3.31	24843.12	4201.07	0.19
Gila	Upper Gila	0.44	50_year	Withprj_Design	55000.00	931.88	945.25	941.13	945.35	0.000745	3.40	24285.27	4195.84	0.20
Gila	Upper Gila	0.44	100_year	Preproj	65000.00	931.88	947.72	941.14	947.78	0.000317	2.61	34632.11	4228.43	0.14
Gila	Upper Gila	0.44	100_year	TRWithprj	65000.00	931.88	946.90	941.14	946.98	0.000439	2.95	31191.20	4223.31	0.16
Gila	Upper Gila	0.44	100_year	Preproj_Design	65000.00	931.88	946.50	941.14	946.59	0.000521	3.15	29510.25	4213.61	0.17
Gila	Upper Gila	0.44	100_year	Withprj_Design	65000.00	931.88	946.20	941.14	946.29	0.000595	3.32	28251.16	4211.18	0.19
Gila	Upper Gila	0.44	Typ Peak_year	Preproj	2300.00	931.88	938.55	935.15	938.68	0.001170	2.86	804.37	1276.00	0.32
Gila	Upper Gila	0.44	Typ Peak_year	TRWithprj	2300.00	931.88	938.50	935.15	938.64	0.001204	2.91	789.19	1250.61	0.32
Gila	Upper Gila	0.44	Typ Peak_year	Preproj_Design	2300.00	931.88	938.46	935.15	938.60	0.001231	2.96	777.03	1215.41	0.33
Gila	Upper Gila	0.44	Typ Peak_year	Withprj_Design	2300.00	931.88	938.45	935.15	938.59	0.001239	2.97	773.36	1205.63	0.33
Gila	Upper Gila	0.40	5_year	Preproj	4000.00	931.88	940.33	936.01	940.40	0.000832	2.07	1933.94	2982.67	0.16
Gila	Upper Gila	0.40	5_year	TRWithprj	4000.00	931.88	940.30	936.01	940.36	0.000845	2.08	1922.34	2975.32	0.16
Gila	Upper Gila	0.40	5_year	Preproj_Design	4000.00	931.88	939.82	936.01	939.90	0.001072	2.29	1748.18	2910.41	0.18
Gila	Upper Gila	0.40	5_year	Withprj_Design	4000.00	931.88	939.74	936.01	939.82	0.001120	2.33	1717.25	2890.14	0.19
Gila	Upper Gila	0.40	10_year	Preproj	8000.00	931.88	940.55	937.31	940.80	0.002539	3.97	2016.19	3045.55	0.30
Gila	Upper Gila	0.40	10_year	TRWithprj	8000.00	931.88	940.87	937.31	941.09	0.002181	3.75	2133.24	3216.00	0.27
Gila	Upper Gila	0.40	10_year	Preproj_Design	8000.00	931.88	940.66	937.31	940.90	0.002409	3.89	2056.18	3144.23	0.29
Gila	Upper Gila	0.40	10_year	Withprj_Design	8000.00	931.88	940.76	937.31	940.99	0.002296	3.82	2093.35	3176.25	0.28
Gila	Upper Gila	0.40	20_year	Preproj	10000.00	931.88	941.88	937.75	941.89	0.000166	1.17	12855.59	3578.50	0.08
Gila	Upper Gila	0.40	20_year	TRWithprj	10000.00	931.88	940.98	937.75	941.30	0.002884	4.60	2171.59	3232.33	0.33
Gila	Upper Gila	0.40	20_year	Preproj_Design	10000.00	931.88	940.65	937.75	941.02	0.003370	4.87	2052.20	3141.81	0.36
Gila	Upper Gila	0.40	20_year	Withprj_Design	10000.00	931.88	940.74	937.75	941.09	0.003232	4.80	2083.73	3163.93	0.36
Gila	Upper Gila	0.40	50_year	Preproj	55000.00	931.88	946.47	941.21	946.53	0.000343	2.51	29625.22	3871.54	0.13
Gila	Upper Gila	0.40	50_year	TRWithprj	55000.00	931.88	945.78	941.21	945.85	0.000451	2.78	27068.72	3851.37	0.15
Gila	Upper Gila	0.40	50_year	Preproj_Design	55000.00	931.88	945.26	941.21	945.34	0.000563	3.02	25153.37	3847.33	0.17
Gila	Upper Gila	0.40	50_year	Withprj_Design	55000.00	931.88	945.11	941.21	945.20	0.000600	3.09	24632.08	3846.13	0.17
Gila	Upper Gila	0.40	100_year	Preproj	65000.00	931.88	947.66	941.21	947.72	0.000281	2.51	34021.61	3887.32	0.12
Gila	Upper Gila	0.40	100_year	TRWithprj	65000.00	931.88	946.82	941.21	946.89	0.000379	2.80	30899.47	3880.48	0.14
Gila	Upper Gila	0.40	100_year	Preproj_Design	65000.00	931.88	946.40	941.21	946.48	0.000443	2.96	29360.86	3869.34	0.16
Gila	Upper Gila	0.40	100_year	Withprj_Design	65000.00	931.88	946.09	941.21	946.18	0.000501	3.10	28202.38	3855.94	0.16
Gila	Upper Gila	0.40	Typ Peak_year	Preproj	2300.00	931.88	938.39	935.29	938.44	0.000804	1.87	1230.16	2092.40	0.18
Gila	Upper Gila	0.40	Typ Peak_year	TRWithprj	2300.00	931.88	938.34	935.29	938.39	0.000831	1.90	1211.93	2063.02	0.18
Gila	Upper Gila	0.40	Typ Peak_year	Preproj_Design	2300.00	931.88	938.29	935.29	938.35	0.000854	1.92	1197.20	2036.87	0.18
Gila	Upper Gila	0.40	Typ Peak_year	Withprj_Design	2300.00	931.88	938.28	935.29	938.34	0.000861	1.93	1192.71	2028.80	0.18
Gila	Upper Gila	0.35	5_year	Preproj	4000.00	931.88	940.27	935.01	940.30	0.000154	1.46	2739.29	3095.04	0.10
Gila	Upper Gila	0.35	5_year	TRWithprj	4000.00	931.88	940.24	935.01	940.27	0.000156	1.47	2724.75	3091.74	0.10
Gila	Upper Gila	0.35	5_year	Preproj_Design	4000.00	931.88	939.74	935.01	939.78	0.000208	1.60	2504.71	3053.22	0.12
Gila	Upper Gila	0.35	5_year	Withprj_Design	4000.00	931.88	939.65	935.01	939.69	0.000220	1.62	2465.10	3045.96	0.12
Gila	Upper Gila	0.35	10_year	Preproj	8000.00	931.88	940.64	936.15	940.65	0.000099	1.26	13106.88	3120.06	0.09
Gila	Upper Gila	0.35	10_year	TRWithprj	8000.00	931.88	940.95	936.15	940.97	0.000082	1.18	14089.47	3166.50	0.08
Gila	Upper Gila	0.35	10_year	Preproj_Design	8000.00	931.88	940.75	936.15	940.76	0.000092	1.23	13442.24	3123.95	0.08
Gila	Upper Gila	0.35	10_year	Withprj_Design	8000.00	931.88	940.85	936.15	940.86	0.000087	1.20	13754.29	3133.85	0.08
Gila	Upper Gila	0.35	20_year	Preproj	10000.00	931.88	941.85	936.58	941.86	0.000067	1.19	16981.54	3265.60	0.08
Gila	Upper Gila	0.35	20_year	TRWithprj	10000.00	931.88	941.12	936.58	941.13	0.000102	1.37	14609.02	3209.16	0.09
Gila	Upper Gila	0.35	20_year	Preproj_Design	10000.00	931.88	940.80	936.58	940.82	0.000121	1.45	13618.51	3129.31	0.10
Gila	Upper Gila	0.35	20_year	Withprj_Design	10000.00	931.88	940.89	936.58	940.90	0.000116	1.43	13877.43	3149.15	0.10
Gila	Upper Gila	0.35	50_year	Preproj	55000.00	931.88	946.39	940.52	946.46	0.000216	3.06	31971.00	3362.16	0.15
Gila	Upper Gila	0.35	50_year	TRWithprj	55000.00	931.88	945.68	940.52	945.76	0.000276	3.32	29600.84	3360.45	0.17
Gila	Upper Gila	0.35	50_year	Preproj_Design	55000.00	931.88	945.14	940.52	945.23	0.000336	3.55	27804.23	3359.15	0.19
Gila	Upper Gila	0.35	50_year	Withprj_Design	55000.00	931.88	944.99	940.52	945.08	0.000355	3.62	27311.87	3358.80	0.19
Gila	Upper Gila	0.35	100_year	Preproj	65000.00	931.88	947.59	940.52	947.66	0.000189	3.09	35944.81	3365.03	0.15
Gila	Upper Gila	0.35	100_year	TRWithprj	65000.00	931.88	946.73	940.52	946.81	0.000246	3.38	33086.10	3362.97	0.17
Gila	Upper Gila	0.35	100_year	Preproj_Design	65000.00	931.88	946.30	940.52	946.39	0.000283	3.54	31665.63	3361.94	0.18
Gila	Upper Gila	0.35	100_year	Withprj_Design	65000.00	931.88	945.98	940.52	946.07	0.000316	3.67	30587.13	3361.16	0.19
Gila	Upper Gila	0.35	Typ Peak_year	Preproj	2300.00	931.88	938.32	934.34	938.34	0.000188	1.23	1871.02	2849.74	0.11
Gila	Upper Gila	0.35	Typ Peak_year	TRWithprj	2300.00	931.88	938.26	934.34	938.28	0.000197	1.25	1846.20	2834.79	0.11
Gila	Upper Gila	0.35	Typ Peak_year	Preproj_Design	2300.00	931.88	938.21	934.34	938.24	0.000204	1.26	1825.99	2760.32	0.11
Gila	Upper Gila	0.35	Typ Peak_year	Withprj_Design	2300.00	931.88	938.20	934.34	938.23	0.000207	1.26	1819.80	2747.76	0.11
Gila	Upper Gila	0.27	5_year	Preproj	4000.00	931.86	940.16	934.56	940.21	0.000326	1.70	2349.97	2713.46	0.12
Gila	Upper Gila	0.27	5_year	TRWithprj	4000.00	931.86	940.13	934.56	940.17	0.000331	1.71	2336.30	2711.05	0.12
Gila	Upper Gila	0.27	5_year	Preproj_Design	4000.00	931.86	939.60	934.56	939.65	0.000429	1.88	2126.96	2664.07	0.14
Gila	Upper Gila	0.27	5_year	Withprj_Design	4000.00	931.86	939.50	934.56	939.56	0.000450	1.92	2088.70	2648.44	0.15
Gila	Upper Gila	0.27	10_year	Preproj	8000.00	931.86	940.59	935.77	940.61	0.000146	1.24	11759.89	2799.57	0.09
Gila	Upper Gila	0.27	10_year	TRWithprj	8000.00	931.86	940.92	935.77	940.93	0.000121	1.16	12638.32	2813.84	0.08

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	0.27	10_year	Preproj_Design	8000.00	931.86	940.70	935.77	940.72	0.000137	1.21	12061.21	2805.75	0.08
Gila	Upper Gila	0.27	10_year	Withprj_Design	8000.00	931.86	940.81	935.77	940.82	0.000129	1.18	12340.64	2810.53	0.08
Gila	Upper Gila	0.27	20_year	Preproj	10000.00	931.86	941.82	936.25	941.83	0.000098	1.15	15112.10	2822.00	0.07
Gila	Upper Gila	0.27	20_year	TRWithprj	10000.00	931.86	941.07	936.25	941.08	0.000146	1.34	13061.24	2815.82	0.09
Gila	Upper Gila	0.27	20_year	Preproj_Design	10000.00	931.86	940.75	936.25	940.76	0.000177	1.44	12178.25	2808.14	0.10
Gila	Upper Gila	0.27	20_year	Withprj_Design	10000.00	931.86	940.83	936.25	940.85	0.000168	1.41	12411.60	2811.32	0.10
Gila	Upper Gila	0.27	50_year	Preproj	55000.00	931.86	946.28	940.47	946.36	0.000342	3.03	27379.56	2845.33	0.15
Gila	Upper Gila	0.27	50_year	TRWithprj	55000.00	931.86	945.54	940.47	945.63	0.000436	3.30	25326.92	2842.37	0.17
Gila	Upper Gila	0.27	50_year	Preproj_Design	55000.00	931.86	944.97	940.47	945.07	0.000531	3.54	23750.76	2839.01	0.19
Gila	Upper Gila	0.27	50_year	Withprj_Design	55000.00	931.86	944.81	940.47	944.91	0.000562	3.61	23314.75	2838.05	0.20
Gila	Upper Gila	0.27	100_year	Preproj	65000.00	931.86	947.49	940.47	947.57	0.000297	3.08	30713.03	2849.66	0.15
Gila	Upper Gila	0.27	100_year	TRWithprj	65000.00	931.86	946.60	940.47	946.69	0.000386	3.38	28254.57	2846.47	0.17
Gila	Upper Gila	0.27	100_year	Preproj_Design	65000.00	931.86	946.15	940.47	946.26	0.000444	3.55	27021.36	2844.87	0.18
Gila	Upper Gila	0.27	100_year	Withprj_Design	65000.00	931.86	945.81	940.47	945.92	0.000497	3.69	26077.98	2843.63	0.19
Gila	Upper Gila	0.27	Typ Peak_year	Preproj	2300.00	931.86	938.20	933.94	938.23	0.000311	1.46	1579.56	2179.18	0.13
Gila	Upper Gila	0.27	Typ Peak_year	TRWithprj	2300.00	931.86	938.14	933.94	938.17	0.000323	1.48	1556.23	2142.95	0.13
Gila	Upper Gila	0.27	Typ Peak_year	Preproj_Design	2300.00	931.86	938.09	933.94	938.13	0.000333	1.50	1537.16	2133.55	0.13
Gila	Upper Gila	0.27	Typ Peak_year	Withprj_Design	2300.00	931.86	938.08	933.94	938.11	0.000336	1.50	1531.32	2129.92	0.13
Gila	Upper Gila	0.22	5_year	Preproj	4000.00	931.82	940.03	936.19	940.09	0.000852	1.96	2040.03	2278.87	0.15
Gila	Upper Gila	0.22	5_year	TRWithprj	4000.00	931.82	939.99	936.19	940.05	0.000874	1.98	2025.08	2277.18	0.15
Gila	Upper Gila	0.22	5_year	Preproj_Design	4000.00	931.82	939.41	936.19	939.48	0.001328	2.23	1791.75	2208.18	0.19
Gila	Upper Gila	0.22	5_year	Withprj_Design	4000.00	931.82	939.30	936.19	939.38	0.001445	2.29	1748.02	2199.50	0.19
Gila	Upper Gila	0.22	10_year	Preproj	8000.00	931.82	940.55	937.14	940.56	0.000264	1.27	8623.50	2391.64	0.09
Gila	Upper Gila	0.22	10_year	TRWithprj	8000.00	931.82	940.88	937.14	940.89	0.000181	1.09	10973.90	2402.22	0.08
Gila	Upper Gila	0.22	10_year	Preproj_Design	8000.00	931.82	940.67	937.14	940.68	0.000208	1.14	10455.73	2395.49	0.08
Gila	Upper Gila	0.22	10_year	Withprj_Design	8000.00	931.82	940.77	937.14	940.78	0.000194	1.12	10706.80	2398.87	0.08
Gila	Upper Gila	0.22	20_year	Preproj	10000.00	931.82	941.79	937.56	941.80	0.000140	1.12	13188.45	2467.05	0.08
Gila	Upper Gila	0.22	20_year	TRWithprj	10000.00	931.82	941.03	937.56	941.04	0.000215	1.28	11328.39	2408.45	0.09
Gila	Upper Gila	0.22	20_year	Preproj_Design	10000.00	931.82	940.70	937.56	940.71	0.000265	1.37	10530.46	2396.50	0.10
Gila	Upper Gila	0.22	20_year	Withprj_Design	10000.00	931.82	940.79	937.56	940.80	0.000251	1.35	10741.65	2399.31	0.10
Gila	Upper Gila	0.22	50_year	Preproj	55000.00	931.82	946.17	940.08	946.26	0.000449	3.17	24083.79	2493.23	0.17
Gila	Upper Gila	0.22	50_year	TRWithprj	55000.00	931.82	945.40	940.08	945.51	0.000586	3.44	22155.35	2491.47	0.19
Gila	Upper Gila	0.22	50_year	Preproj_Design	55000.00	931.82	944.80	940.08	944.92	0.000731	3.70	20653.18	2490.10	0.21
Gila	Upper Gila	0.22	50_year	Withprj_Design	55000.00	931.82	944.63	940.08	944.76	0.000780	3.77	20233.29	2489.72	0.21
Gila	Upper Gila	0.22	100_year	Preproj	65000.00	931.82	947.39	940.08	947.49	0.000384	3.24	27119.08	2496.02	0.16
Gila	Upper Gila	0.22	100_year	TRWithprj	65000.00	931.82	946.47	940.08	946.59	0.000509	3.55	24827.41	2493.91	0.18
Gila	Upper Gila	0.22	100_year	Preproj_Design	65000.00	931.82	946.01	940.08	946.14	0.000594	3.73	23666.25	2492.85	0.20
Gila	Upper Gila	0.22	100_year	Withprj_Design	65000.00	931.82	945.65	940.08	945.79	0.000671	3.87	22770.83	2492.03	0.21
Gila	Upper Gila	0.22	Typ Peak_year	Preproj	2300.00	931.82	938.04	935.64	938.09	0.001531	1.84	1247.33	1848.57	0.18
Gila	Upper Gila	0.22	Typ Peak_year	TRWithprj	2300.00	931.82	937.97	935.64	938.02	0.001654	1.89	1219.85	1823.42	0.19
Gila	Upper Gila	0.22	Typ Peak_year	Preproj_Design	2300.00	931.82	937.91	935.64	937.97	0.001764	1.92	1197.22	1802.73	0.19
Gila	Upper Gila	0.22	Typ Peak_year	Withprj_Design	2300.00	931.82	937.89	935.64	937.95	0.001801	1.93	1190.24	1791.74	0.20
Gila	Upper Gila	0.17	5_year	Preproj	4000.00	931.82	939.91	934.96	939.96	0.001290	1.79	2228.96	1983.04	0.13
Gila	Upper Gila	0.17	5_year	TRWithprj	4000.00	931.82	939.72	934.96	939.78	0.001428	1.85	2162.01	1891.30	0.13
Gila	Upper Gila	0.17	5_year	Preproj_Design	4000.00	931.82	939.00	934.96	939.07	0.002140	2.09	1909.80	1748.24	0.16
Gila	Upper Gila	0.17	5_year	Withprj_Design	4000.00	931.82	938.86	934.96	938.93	0.002335	2.15	1858.94	1726.06	0.16
Gila	Upper Gila	0.17	10_year	Preproj	8000.00	931.82	940.48	935.95	940.50	0.000297	1.07	8516.23	2161.54	0.07
Gila	Upper Gila	0.17	10_year	TRWithprj	8000.00	931.82	940.83	935.95	940.84	0.000246	1.00	9120.69	2167.39	0.07
Gila	Upper Gila	0.17	10_year	Preproj_Design	8000.00	931.82	940.61	935.95	940.62	0.000277	1.04	8733.94	2164.49	0.07
Gila	Upper Gila	0.17	10_year	Withprj_Design	8000.00	931.82	940.72	935.95	940.73	0.000261	1.02	8921.68	2165.90	0.07
Gila	Upper Gila	0.17	20_year	Preproj	10000.00	931.82	941.76	936.37	941.77	0.000169	1.00	12356.38	2227.86	0.06
Gila	Upper Gila	0.17	20_year	TRWithprj	10000.00	931.82	940.97	936.37	940.99	0.000291	1.23	9358.44	2169.17	0.08
Gila	Upper Gila	0.17	20_year	Preproj_Design	10000.00	931.82	940.62	936.37	940.65	0.000351	1.30	8759.17	2164.68	0.09
Gila	Upper Gila	0.17	20_year	Withprj_Design	10000.00	931.82	940.72	936.37	940.74	0.000333	1.28	8918.50	2165.88	0.08
Gila	Upper Gila	0.17	50_year	Preproj	55000.00	931.82	946.04	940.26	946.15	0.000586	3.02	21917.19	2235.08	0.15
Gila	Upper Gila	0.17	50_year	TRWithprj	55000.00	931.82	945.23	940.26	945.35	0.000768	3.31	20100.01	2233.94	0.17
Gila	Upper Gila	0.17	50_year	Preproj_Design	55000.00	931.82	944.58	940.26	944.73	0.000969	3.57	18656.86	2232.77	0.19
Gila	Upper Gila	0.17	50_year	Withprj_Design	55000.00	931.82	944.40	940.26	944.55	0.001038	3.66	18247.51	2232.46	0.20
Gila	Upper Gila	0.17	100_year	Preproj	65000.00	931.82	947.27	940.26	947.39	0.000497	3.13	24670.77	2236.81	0.15
Gila	Upper Gila	0.17	100_year	TRWithprj	65000.00	931.82	946.32	940.26	946.45	0.000662	3.45	22534.27	2235.47	0.17
Gila	Upper Gila	0.17	100_year	Preproj_Design	65000.00	931.82	945.83	940.26	945.98	0.000775	3.63	21437.17	2234.78	0.18
Gila	Upper Gila	0.17	100_year	Withprj_Design	65000.00	931.82	945.44	940.26	945.61	0.000881	3.79	20582.17	2234.25	0.19
Gila	Upper Gila	0.17	Typ Peak_year	Preproj	2300.00	931.82	937.64	934.40	937.68	0.001767	1.59	1442.42	1431.95	0.14
Gila	Upper Gila	0.17	Typ Peak_year	TRWithprj	2300.00	931.82	937.54	934.40	937.58	0.001918	1.63	1406.86	1411.53	0.14
Gila	Upper Gila	0.17	Typ Peak_year	Preproj_Design	2300.00	931.82	937.45	934.40	937.49	0.002058	1.67	1377.09	1389.09	0.15
Gila	Upper Gila	0.17	Typ Peak_year	Withprj_Design	2300.00	931.82	937.42	934.40	937.47	0.002105	1.68	1367.67	1385.43	0.15
Gila	Upper Gila	0.12	5_year	Preproj	4000.00	931.86	939.51	935.15	939.60	0.001229	2.43	1644.79	1639.02	0.19
Gila	Upper Gila	0.12	5_year	TRWithprj	4000.00	931.86	939.27	935.15	939.37	0.001390	2.55	1568.25	1629.04	0.20
Gila	Upper Gila	0.12	5_year	Preproj_Design	4000.00	931.86	938.25	935.15	938.41	0.002475	3.20	1248.95	1366.73	0.28
Gila	Upper Gila	0.12	5_year	Withprj_Design	4000.00	931.86	938.00	935.15	938.18	0.002891	3.41	1172.74	1253.00	0.31
Gila	Upper Gila	0.12	10_year	Preproj	8000.00	931.86	939.98	936.80	940.29	0.003301	4.45	1797.79	1650.56	0.33
Gila	Upper Gila	0.12	10_year	TRWithprj	8000.00	931.86	940.41	936.80	940.67	0.002689	4.13	1940.85	1703.71	0.30
Gila	Upper Gila	0.12	10_year	Preproj_Design	8000.00	931.86	940.14	936.80	940.43	0.003061	4.33	1848.44	1660.27	0.32
Gila	Upper Gila	0.12	10_year	Withprj_Design	8000.00	931.86	940.27	936.80	940.55	0.002873	4.23	1892.75	1680.10	0.31
Gila	Upper Gila	0.12	20_year	Preproj	10000.00	931.86	941.71	937.33	941.73	0.000201	1.31	10236.85	1976.70	0.09
Gila	Upper Gila	0.12	20_year	TRWithprj	10000.00	931.86	940.90	937.33	940.92	0.000305	1.53	8711.92	1807.19	0.11
Gila	Upper Gila	0.12	20_year	Preproj_Design	10000.00	931.86	939.88	937.33	940.38	0.004837	5.67	1763.24	1645.78	0.43
Gila	Upper Gila	0.12	20_year	Withprj_Design	10000.00	931.86	940.00	937.33	940.48	0.004541	5.54	1804.64	1651.33	0.41
Gila	Upper Gila	0.12	50_year	Preproj	55000.00	931.86	945.84	940.56	945.99	0.000775	3.78	18550.84	2018.01	0.20
Gila	Upper Gila	0.12	50_year	TRWithprj	55000.00	931.86	944.97	940.56	945.15	0.001050	4.20	16779.72	2016.46	0.23
Gila	Upper Gila	0.12	50_year	Preproj_Design	55000.00	931.86	944.25	940.56	944.46	0.001374	4.61	15326.31	2015.18	0.26
Gila	Upper Gila	0.12	50_year	Withprj_Design	55000.00	931.86	944.04	940.56	944.27	0.001492	4.75	14902.99	2014.80	0.27
Gila	Upper Gila	0.12	100_year	Preproj	65000.00	931.86	947.10	940.56	947.26	0.000653	3.85	21083.80	2020.58	0.19
Gila	Upper Gila	0.12	100_year	TRWithprj	65000.00	931.86	946.08	940.56	946.28	0.000895	4.29	19034.21	2018.44	0.22
Gila	Upper Gila	0.12	100_year	Preproj_Design	65000.00	931.86	945.55	940.56	945.77	0.001069	4.56	17958.84	2017.49	0.24
Gila	Upper Gila	0.12	100_year	Withprj_Design	65000.00	931.86	945.13	940.56	945.37	0.001239	4.80	17105.16	2016.74	0.26
Gila	Upper Gila	0.12	Typ Peak_year	Preproj	2300.00	931.86	937.06	934.33	937.17	0.001814	2.57	894.89	1174.81	0.26
Gila	Upper Gila	0.12	Typ Peak_year	TRWithprj	2300.00	931.86	936.89	934.33	937.01	0.002066	2.72	845.85	1134.68	0.28
Gila	Upper Gila	0.12	Typ Peak_year	Preproj_Design	2300.00	931.86	936.73	934.33	936.86	0.002337	2.87	801.86	1055.78	0.30
Gila	Upper Gila	0.12	Typ Peak_year	Withprj_Design	2300.00	931.86	936.68	934.33	936.81	0.002438	2.92	787.19	1047.60	0.31
Gila	Upper Gila	0.06	5_year	Preproj	4000.00	931.64	939.25	935.13	939.33	0.000675	2.34	1706.33	1545.65	0.18
Gila	Upper Gila	0.06	5_year	TRWithprj	4000.00	931.64	938.98	935.13	939.07	0.000734	2.47	1621.82	1541.55	0.19
Gila	Upper Gila	0.06	5_year	Preproj_Design	4000.00	931.64	937.62	935.13	937.79	0.001715	3.35	1193.32	1423.06	0.30
Gila	Upper Gila	0.06	5_year	Withprj_Design	4000.00	931.64	937.22	935.13	937.44	0.002111	3.74	1068.30	1403.81	0.36
Gila	Upper Gila	0.06	10_year	Preproj	8000.00	931.64	940.02	936.55	940.04	0.000221	1.49	7715.32	1564.28	0.11

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Upper Gila	0.06	10_year	TRWithprj	8000.00	931.64	939.72	936.55	940.00	0.001869	4.31	1854.14	1554.40	0.31
Gila	Upper Gila	0.06	10_year	Preproj_Design	8000.00	931.64	939.28	936.55	939.62	0.002390	4.66	1717.15	1546.16	0.35
Gila	Upper Gila	0.06	10_year	Withprj_Design	8000.00	931.64	939.51	936.55	939.82	0.002064	4.47	1789.38	1549.56	0.33
Gila	Upper Gila	0.06	20_year	Preproj	10000.00	931.64	941.66	936.99	941.68	0.000134	1.35	10373.79	1663.07	0.08
Gila	Upper Gila	0.06	20_year	TRWithprj	10000.00	931.64	940.83	936.99	940.85	0.000198	1.57	8997.60	1624.64	0.10
Gila	Upper Gila	0.06	20_year	Preproj_Design	10000.00	931.64	939.96	936.99	940.00	0.000318	1.86	7464.42	1563.98	0.13
Gila	Upper Gila	0.06	20_year	Withprj_Design	10000.00	931.64	940.10	936.99	940.13	0.000289	1.80	7839.74	1564.71	0.13
Gila	Upper Gila	0.06	50_year	Preproj	55000.00	931.64	945.60	939.77	945.78	0.000682	4.18	16923.48	1665.58	0.21
Gila	Upper Gila	0.06	50_year	TRWithprj	55000.00	931.64	944.64	939.77	944.86	0.000932	4.63	15324.40	1663.73	0.25
Gila	Upper Gila	0.06	50_year	Preproj_Design	55000.00	931.64	943.81	939.77	944.08	0.001242	5.14	13951.88	1663.55	0.29
Gila	Upper Gila	0.06	50_year	Withprj_Design	55000.00	931.64	943.56	939.77	943.84	0.001368	5.29	13536.91	1663.49	0.30
Gila	Upper Gila	0.06	100_year	Preproj	65000.00	931.64	946.88	939.77	947.07	0.000599	4.29	19054.39	1668.33	0.21
Gila	Upper Gila	0.06	100_year	TRWithprj	65000.00	931.64	945.79	939.77	946.02	0.000827	4.74	17236.94	1665.99	0.24
Gila	Upper Gila	0.06	100_year	Preproj_Design	65000.00	931.64	945.20	939.77	945.47	0.000987	5.08	16256.63	1663.86	0.27
Gila	Upper Gila	0.06	100_year	Withprj_Design	65000.00	931.64	944.72	939.77	945.01	0.001161	5.33	15459.76	1663.75	0.28
Gila	Upper Gila	0.06	Typ Peak_year	Preproj	2300.00	931.64	936.63	934.34	936.74	0.001160	2.61	881.92	1283.29	0.27
Gila	Upper Gila	0.06	Typ Peak_year	TRWithprj	2300.00	931.64	936.39	934.34	936.52	0.001305	2.85	808.07	1162.55	0.31
Gila	Upper Gila	0.06	Typ Peak_year	Preproj_Design	2300.00	931.64	936.10	934.34	936.25	0.001767	3.19	722.13	1049.42	0.34
Gila	Upper Gila	0.06	Typ Peak_year	Withprj_Design	2300.00	931.64	936.03	934.34	936.20	0.001739	3.26	705.79	1030.03	0.35
Gila	Upper Gila	0.00	5_year	Preproj	4000.00	931.64	938.87	934.17	938.93	0.002560	2.06	1937.71	1281.80	0.15
Gila	Upper Gila	0.00	5_year	TRWithprj	4000.00	931.64	938.57	934.17	938.64	0.002709	2.17	1845.42	1275.30	0.16
Gila	Upper Gila	0.00	5_year	Preproj_Design	4000.00	931.64	936.37	934.17	936.55	0.013357	3.42	1168.02	1105.92	0.31
Gila	Upper Gila	0.00	5_year	Withprj_Design	4000.00	931.64	935.24	934.17	935.61	0.035526	4.84	826.90	633.63	0.51
Gila	Upper Gila	0.00	10_year	Preproj	8000.00	931.64	939.95	935.28	939.97	0.000264	0.93	6996.96	1286.04	0.06
Gila	Upper Gila	0.00	10_year	TRWithprj	8000.00	931.64	939.28	935.28	939.52	0.004703	3.87	2066.97	1283.44	0.26
Gila	Upper Gila	0.00	10_year	Preproj_Design	8000.00	931.64	937.65	935.28	938.06	0.012803	5.13	1560.11	1257.60	0.40
Gila	Upper Gila	0.00	10_year	Withprj_Design	8000.00	931.64	938.29	935.28	938.61	0.007944	4.55	1758.33	1267.23	0.34
Gila	Upper Gila	0.00	20_year	Preproj	10000.00	931.64	941.62	935.76	941.64	0.000162	0.96	9149.25	1292.26	0.06
Gila	Upper Gila	0.00	20_year	TRWithprj	10000.00	931.64	940.77	935.76	940.79	0.000232	1.12	8046.28	1289.15	0.07
Gila	Upper Gila	0.00	20_year	Preproj_Design	10000.00	931.64	939.35	935.76	939.71	0.005783	4.79	2089.36	1283.73	0.33
Gila	Upper Gila	0.00	20_year	Withprj_Design	10000.00	931.64	939.53	935.76	939.87	0.004929	4.66	2144.60	1284.43	0.31
Gila	Upper Gila	0.00	50_year	Preproj	55000.00	931.64	945.31	939.96	945.55	0.000957	3.83	13975.66	1313.40	0.19
Gila	Upper Gila	0.00	50_year	TRWithprj	55000.00	931.64	944.25	939.96	944.55	0.001310	4.32	12585.61	1311.76	0.23
Gila	Upper Gila	0.00	50_year	Preproj_Design	55000.00	931.64	943.29	939.96	943.66	0.001841	4.72	11329.64	1310.28	0.26
Gila	Upper Gila	0.00	50_year	Withprj_Design	55000.00	931.64	942.99	939.96	943.39	0.002026	4.97	10933.85	1309.81	0.27
Gila	Upper Gila	0.00	100_year	Preproj	65000.00	931.64	946.60	939.96	946.87	0.000844	4.11	15673.69	1315.40	0.19
Gila	Upper Gila	0.00	100_year	TRWithprj	65000.00	931.64	945.42	939.96	945.75	0.001162	4.63	14117.39	1313.57	0.23
Gila	Upper Gila	0.00	100_year	Preproj_Design	65000.00	931.64	944.76	939.96	945.13	0.001434	4.87	13251.85	1312.55	0.25
Gila	Upper Gila	0.00	100_year	Withprj_Design	65000.00	931.64	944.21	939.96	944.62	0.001693	5.22	12523.88	1311.69	0.27
Gila	Upper Gila	0.00	Typ Peak_year	Preproj	2300.00	931.64	935.87	933.60	935.95	0.007010	2.27	1014.83	992.33	0.22
Gila	Upper Gila	0.00	Typ Peak_year	TRWithprj	2300.00	931.64	935.50	933.60	935.60	0.009060	2.55	902.57	755.22	0.26
Gila	Upper Gila	0.00	Typ Peak_year	Preproj_Design	2300.00	931.64	933.60	933.60	934.24	0.191451	6.44	357.15	429.26	1.00
Gila	Upper Gila	0.00	Typ Peak_year	Withprj_Design	2300.00	931.64	933.61	933.60	934.24	0.166203	6.39	360.05	430.34	0.99
Gila	Lower Gila	199.47	5_year	Preproj	23500.00	931.64	937.56	935.46	937.95	0.002316	5.00	4697.17	2880.74	0.42
Gila	Lower Gila	199.47	5_year	TRWithprj	23500.00	925.52	937.39	934.42	937.73	0.001864	4.68	5020.51	2955.51	0.35
Gila	Lower Gila	199.47	5_year	Preproj_Design	23500.00	922.00	936.39	929.05	936.55	0.000287	3.25	7360.54	2818.52	0.20
Gila	Lower Gila	199.47	5_year	Withprj_Design	23500.00	922.00	934.98	929.05	935.22	0.000642	3.91	6013.87	2265.00	0.26
Gila	Lower Gila	199.47	10_year	Preproj	57000.00	931.64	938.29	937.70	938.62	0.002095	5.20	13187.58	2892.49	0.40
Gila	Lower Gila	199.47	10_year	TRWithprj	57000.00	925.52	937.83	936.78	938.22	0.002694	5.98	12774.49	2956.99	0.43
Gila	Lower Gila	199.47	10_year	Preproj_Design	57000.00	922.00	937.01	933.01	937.84	0.001356	7.31	8008.22	2841.31	0.43
Gila	Lower Gila	199.47	10_year	Withprj_Design	57000.00	922.00	937.21	933.02	938.01	0.001664	7.17	7944.41	2843.00	0.42
Gila	Lower Gila	199.47	20_year	Preproj	92000.00	931.64	939.80	937.71	940.27	0.002124	6.14	17593.66	2965.03	0.42
Gila	Lower Gila	199.47	20_year	TRWithprj	92000.00	925.52	939.15	937.71	939.65	0.002784	7.02	18520.32	2965.32	0.46
Gila	Lower Gila	199.47	20_year	Preproj_Design	92000.00	922.00	938.99	935.10	939.40	0.000762	6.01	21310.96	2974.02	0.33
Gila	Lower Gila	199.47	20_year	Withprj_Design	92000.00	922.00	938.84	935.09	939.33	0.001181	6.60	20872.59	2973.90	0.36
Gila	Lower Gila	199.47	50_year	Preproj	185000.00	931.64	943.31	938.94	944.04	0.001789	7.44	28058.24	2985.11	0.41
Gila	Lower Gila	199.47	50_year	TRWithprj	185000.00	925.52	942.28	938.03	943.12	0.002767	9.03	27842.25	2984.33	0.49
Gila	Lower Gila	199.47	50_year	Preproj_Design	185000.00	922.00	942.94	937.71	943.56	0.000838	7.47	33089.55	2981.50	0.35
Gila	Lower Gila	199.47	50_year	Withprj_Design	185000.00	922.00	942.15	937.71	942.96	0.001526	8.79	30712.84	2977.33	0.42
Gila	Lower Gila	199.47	100_year	Preproj	227000.00	931.64	944.62	939.66	945.45	0.001663	7.91	31951.15	2986.10	0.41
Gila	Lower Gila	199.47	100_year	TRWithprj	227000.00	925.52	943.30	938.77	944.27	0.002644	9.56	30903.30	2985.11	0.50
Gila	Lower Gila	199.47	100_year	Preproj_Design	227000.00	922.00	944.35	938.20	945.06	0.000842	7.97	37291.94	2988.38	0.35
Gila	Lower Gila	199.47	100_year	Withprj_Design	227000.00	922.00	943.21	938.12	944.15	0.001579	9.43	33897.35	2982.84	0.43
Gila	Lower Gila	199.47	Typ Peak_year	Preproj	6700.00	931.64	935.05	933.50	935.20	0.001496	3.10	2160.00	1996.83	0.35
Gila	Lower Gila	199.47	Typ Peak_year	TRWithprj	6700.00	925.52	934.73	932.56	934.82	0.001137	2.49	2686.39	2029.15	0.25
Gila	Lower Gila	199.47	Typ Peak_year	Preproj_Design	6700.00	922.00	933.82	925.73	933.85	0.000059	1.33	5019.55	1733.09	0.10
Gila	Lower Gila	199.47	Typ Peak_year	Withprj_Design	6700.00	922.00	933.86	925.73	933.88	0.000084	1.33	5050.55	1735.79	0.10
Gila	Lower Gila	199.38	5_year	Preproj	23500.00	931.10	935.53	934.73	936.35	0.006010	7.28	3226.27	2086.02	0.69
Gila	Lower Gila	199.38	5_year	TRWithprj	23500.00	925.51	933.91	933.91	935.23	0.066152	9.24	2543.54	1993.07	1.00
Gila	Lower Gila	199.38	5_year	Preproj_Design	23500.00	924.69	936.37	930.48	936.43	0.000157	2.20	14624.87	2568.99	0.14
Gila	Lower Gila	199.38	5_year	Withprj_Design	23500.00	924.69	934.72	930.49	934.81	0.001322	1.96	10165.15	2327.19	0.14
Gila	Lower Gila	199.38	10_year	Preproj	57000.00	931.10	936.59	936.01	937.33	0.005511	7.93	8874.55	2504.83	0.69
Gila	Lower Gila	199.38	10_year	TRWithprj	57000.00	925.51	935.93	934.59	936.52	0.008141	4.72	9723.80	2343.89	0.40
Gila	Lower Gila	199.38	10_year	Preproj_Design	57000.00	924.69	937.01	933.16	937.28	0.000667	4.73	16278.35	2621.72	0.29
Gila	Lower Gila	199.38	10_year	Withprj_Design	57000.00	924.69	936.87	933.16	937.08	0.002003	3.46	15913.53	2609.91	0.22
Gila	Lower Gila	199.38	20_year	Preproj	92000.00	931.10	938.24	936.70	939.09	0.004413	8.57	13188.65	2723.65	0.63
Gila	Lower Gila	199.38	20_year	TRWithprj	92000.00	925.51	937.31	935.44	938.03	0.007105	6.24	13559.54	2665.50	0.46
Gila	Lower Gila	199.38	20_year	Preproj_Design	92000.00	924.69	938.65	935.10	939.07	0.000881	5.97	20709.70	2756.90	0.34
Gila	Lower Gila	199.38	20_year	Withprj_Design	92000.00	924.69	938.31	934.59	938.66	0.002267	4.90	19780.29	2749.31	0.28
Gila	Lower Gila	199.38	50_year	Preproj	185000.00	931.10	942.19	938.88	943.20	0.002622	9.20	24184.61	2797.91	0.52
Gila	Lower Gila	199.38	50_year	TRWithprj	185000.00	925.51	940.72	937.55	941.75	0.004849	8.37	22939.89	2788.40	0.49
Gila	Lower Gila	199.38	50_year	Preproj_Design	185000.00	924.69	942.55	936.73	943.21	0.000967	7.54	31566.46	2799.46	0.36
Gila	Lower Gila	199.38	50_year	Withprj_Design	185000.00	924.69	941.53	936.10	942.20	0.002317	7.17	28696.05	2787.86	0.36
Gila	Lower Gila	199.38	100_year	Preproj	227000.00	931.10	943.58	939.64	944.69	0.002321	9.59	28072.27	2824.61	0.51
Gila	Lower Gila	199.38	100_year	TRWithprj	227000.00	925.51	941.81	938.36	943.02	0.004175	9.13	25989.97	2795.20	0.50
Gila	Lower Gila	199.38	100_year	Preproj_Design	227000.00	924.69	943.95	937.55	944.70	0.000969	8.08	35482.16	2813.52	0.37
Gila	Lower Gila	199.38	100_year	Withprj_Design	227000.00	924.69	942.58	937.00	943.41	0.002172	7.98	31632.41	2799.60	0.38
Gila	Lower Gila	199.38	Typ Peak_year	Preproj	6700.00	931.10	932.91	932.91	933.57	0.017408	6.54	1024.87	1450.53	1.00
Gila	Lower Gila	199.38	Typ Peak_year	TRWithprj	6700.00	925.51	933.68	932.36	933.81	0.006973	2.88	2324.43	1977.58	0.32
Gila	Lower Gila	199.38	Typ Peak_year	Preproj_Design	6700.00	924.69	933.79	928.11	933.82	0.000070	1.30	5146.62	2036.72	0.10
Gila	Lower Gila	199.38	Typ Peak_year	Withprj_Design	6700.00	924.69	933.78	928.10	933.81	0.000520	1.30	5137.03	2037.59	0.10
Gila	Lower Gila	199.31	5_year	Preproj	23500.00	928.11	935.53	931.52	935.73	0.000451	3.60	6533.88	2535.37	0.25
Gila	Lower Gila	199.31	5_year	TRWithprj	23500.00	922.14	931.61	930.66	932.37	0.004846	7.01	3353.75	2171.88	0.65
Gila	Lower Gila	199.31	5_year	Preproj_Design	23500.00	932.00	935.51	934.57	936.20	0.003672	6.65	3531.56	2610.77	0.63
Gila	Lower Gila	199.31	5_year	Withprj_Design	23500.00	932.00	933.47	933.47	933.83	0.005268	4.12	5765.12	2590.76	0.60

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	199.31	10_year	Preproj	57000.00	928.11	936.36	933.67	936.62	0.000633	4.61	14964.45	2573.51	0.30
Gila	Lower Gila	199.31	10_year	TRWithprj	57000.00	922.14	935.07	932.94	935.45	0.001210	5.43	14122.50	2609.40	0.37
Gila	Lower Gila	199.31	10_year	Preproj_Design	57000.00	932.00	936.45	935.71	936.84	0.001915	5.64	11655.91	2613.16	0.47
Gila	Lower Gila	199.31	10_year	Withprj_Design	57000.00	932.00	935.01	933.95	935.74	0.005746	6.95	9777.81	2609.09	0.70
Gila	Lower Gila	199.31	20_year	Preproj	92000.00	928.11	937.93	935.41	938.35	0.000775	5.79	19065.91	2616.10	0.34
Gila	Lower Gila	199.31	20_year	TRWithprj	92000.00	922.14	936.04	933.48	936.72	0.001853	7.36	16644.96	2612.35	0.47
Gila	Lower Gila	199.31	20_year	Preproj_Design	92000.00	932.00	938.02	935.70	938.57	0.001755	6.62	15750.64	2616.27	0.48
Gila	Lower Gila	199.31	20_year	Withprj_Design	92000.00	932.00	936.01	934.91	937.14	0.006451	8.93	12387.31	2612.30	0.79
Gila	Lower Gila	199.31	50_year	Preproj	185000.00	928.11	941.91	936.31	942.58	0.000768	7.36	29492.48	2624.05	0.36
Gila	Lower Gila	199.31	50_year	TRWithprj	185000.00	922.14	939.61	935.57	940.65	0.001750	9.24	25979.88	2619.46	0.48
Gila	Lower Gila	199.31	50_year	Preproj_Design	185000.00	932.00	941.94	937.44	942.75	0.001282	7.94	26025.58	2624.10	0.44
Gila	Lower Gila	199.31	50_year	Withprj_Design	185000.00	932.00	939.61	936.95	940.98	0.003636	10.31	21779.77	2619.45	0.66
Gila	Lower Gila	199.31	100_year	Preproj	227000.00	928.11	943.30	937.16	944.09	0.000783	7.96	33143.00	2626.83	0.37
Gila	Lower Gila	199.31	100_year	TRWithprj	227000.00	922.14	940.81	936.34	941.99	0.001722	9.84	29135.42	2621.86	0.49
Gila	Lower Gila	199.31	100_year	Preproj_Design	227000.00	932.00	943.31	938.23	944.25	0.001228	8.49	29636.25	2626.85	0.45
Gila	Lower Gila	199.31	100_year	Withprj_Design	227000.00	932.00	940.79	937.70	942.29	0.003246	10.76	24892.25	2621.82	0.64
Gila	Lower Gila	199.31	Typ Peak_year	Preproj	6700.00	928.11	931.66	929.81	931.76	0.000626	2.53	2646.50	1864.27	0.27
Gila	Lower Gila	199.31	Typ Peak_year	TRWithprj	6700.00	922.14	929.06	929.06	929.67	0.017417	6.27	1068.29	973.71	1.01
Gila	Lower Gila	199.31	Typ Peak_year	Preproj_Design	6700.00	932.00	933.12	933.12	933.67	0.013669	5.98	1121.32	2571.71	1.00
Gila	Lower Gila	199.31	Typ Peak_year	Withprj_Design	6700.00	932.00	932.94	932.94	933.31	0.004364	2.76	1636.61	2559.55	0.50
Gila	Lower Gila	199.21	5_year	Preproj	23500.00	927.64	935.31	930.67	935.47	0.000529	3.17	7403.45	2395.75	0.21
Gila	Lower Gila	199.21	5_year	TRWithprj	23500.00	921.33	931.61	925.94	931.73	0.000349	2.73	8617.34	2377.92	0.18
Gila	Lower Gila	199.21	5_year	Preproj_Design	23500.00	927.64	935.31	930.67	935.47	0.000529	3.17	7403.45	2395.75	0.21
Gila	Lower Gila	199.21	5_year	Withprj_Design	23500.00	921.33	931.61	925.94	931.73	0.000349	2.73	8617.34	2377.92	0.18
Gila	Lower Gila	199.21	10_year	Preproj	57000.00	927.64	936.08	932.71	936.25	0.000674	3.84	17851.28	2399.10	0.24
Gila	Lower Gila	199.21	10_year	TRWithprj	57000.00	921.33	934.85	928.37	935.03	0.000435	3.74	19805.64	2393.25	0.20
Gila	Lower Gila	199.21	10_year	Preproj_Design	57000.00	927.64	936.08	932.71	936.25	0.000674	3.84	17851.28	2399.10	0.24
Gila	Lower Gila	199.21	10_year	Withprj_Design	57000.00	921.33	934.85	928.37	935.03	0.000435	3.74	19805.64	2393.25	0.20
Gila	Lower Gila	199.21	20_year	Preproj	92000.00	927.64	937.55	934.40	937.88	0.000971	5.16	21386.43	2403.29	0.30
Gila	Lower Gila	199.21	20_year	TRWithprj	92000.00	921.33	935.63	929.96	936.01	0.000816	5.46	21587.02	2397.51	0.28
Gila	Lower Gila	199.21	20_year	Preproj_Design	92000.00	927.64	937.55	934.40	937.88	0.000971	5.16	21386.43	2403.29	0.30
Gila	Lower Gila	199.21	20_year	Withprj_Design	92000.00	921.33	935.63	929.96	936.01	0.000816	5.46	21587.02	2397.51	0.28
Gila	Lower Gila	199.21	50_year	Preproj	185000.00	927.64	941.46	936.01	942.10	0.001183	7.18	30808.12	2414.16	0.35
Gila	Lower Gila	199.21	50_year	TRWithprj	185000.00	921.33	939.08	933.36	939.85	0.001146	7.81	29463.08	2407.53	0.36
Gila	Lower Gila	199.21	50_year	Preproj_Design	185000.00	927.64	941.46	936.01	942.10	0.001183	7.18	30808.12	2414.16	0.35
Gila	Lower Gila	199.21	50_year	Withprj_Design	185000.00	921.33	939.08	933.36	939.85	0.001146	7.81	29463.08	2407.53	0.36
Gila	Lower Gila	199.21	100_year	Preproj	227000.00	927.64	942.81	936.01	943.59	0.001279	7.96	34073.87	2417.95	0.37
Gila	Lower Gila	199.21	100_year	TRWithprj	227000.00	921.33	940.25	933.62	941.18	0.001221	8.61	32137.82	2410.77	0.38
Gila	Lower Gila	199.21	100_year	Preproj_Design	227000.00	927.64	942.81	936.01	943.59	0.001279	7.96	34073.87	2417.95	0.37
Gila	Lower Gila	199.21	100_year	Withprj_Design	227000.00	921.33	940.25	933.62	941.18	0.001221	8.61	32137.82	2410.77	0.38
Gila	Lower Gila	199.21	Typ Peak_year	Preproj	6700.00	927.64	931.37	929.24	931.43	0.000618	2.01	3327.06	2376.85	0.20
Gila	Lower Gila	199.21	Typ Peak_year	TRWithprj	6700.00	921.33	927.01	923.44	927.07	0.000342	1.97	3394.40	1208.33	0.19
Gila	Lower Gila	199.21	Typ Peak_year	Preproj_Design	6700.00	927.64	931.37	929.24	931.43	0.000618	2.01	3327.06	2376.85	0.20
Gila	Lower Gila	199.21	Typ Peak_year	Withprj_Design	6700.00	921.33	927.01	923.44	927.07	0.000342	1.97	3394.40	1208.33	0.19
Gila	Lower Gila	199.19			Mult Open									
Gila	Lower Gila	199.18	5_year	Preproj	23500.00	925.40	934.98	931.60	935.26	0.001259	4.25	5533.50	2659.44	0.31
Gila	Lower Gila	199.18	5_year	TRWithprj	23500.00	921.03	931.30	926.04	931.42	0.001299	2.76	8516.67	2501.54	0.18
Gila	Lower Gila	199.18	5_year	Preproj_Design	23500.00	925.40	934.98	931.60	935.26	0.001259	4.25	5533.50	2659.44	0.31
Gila	Lower Gila	199.18	5_year	Withprj_Design	23500.00	921.03	931.30	926.04	931.42	0.001299	2.76	8516.67	2501.54	0.18
Gila	Lower Gila	199.18	10_year	Preproj	57000.00	925.40	935.64	933.99	935.92	0.001553	5.07	14841.95	2678.01	0.35
Gila	Lower Gila	199.18	10_year	TRWithprj	57000.00	921.03	934.70	928.25	934.84	0.000753	3.07	19882.73	2671.38	0.17
Gila	Lower Gila	199.18	10_year	Preproj_Design	57000.00	925.40	935.64	933.99	935.92	0.001553	5.07	14841.95	2678.01	0.35
Gila	Lower Gila	199.18	10_year	Withprj_Design	57000.00	921.03	934.70	928.25	934.84	0.000753	3.07	19882.73	2671.38	0.17
Gila	Lower Gila	199.18	20_year	Preproj	92000.00	925.40	937.05	935.11	937.53	0.002050	6.64	18271.05	2689.32	0.42
Gila	Lower Gila	199.18	20_year	TRWithprj	92000.00	921.03	935.40	929.87	935.71	0.001222	4.70	21537.67	2676.60	0.25
Gila	Lower Gila	199.18	20_year	Preproj_Design	92000.00	925.40	937.05	935.11	937.53	0.002050	6.64	18271.05	2689.32	0.42
Gila	Lower Gila	199.18	20_year	Withprj_Design	92000.00	921.03	935.40	929.87	935.71	0.001222	4.70	21537.67	2676.60	0.25
Gila	Lower Gila	199.18	50_year	Preproj	185000.00	925.40	940.83	935.61	941.68	0.002166	8.87	27459.48	2712.61	0.46
Gila	Lower Gila	199.18	50_year	TRWithprj	185000.00	921.03	938.81	933.04	939.47	0.001403	6.87	29660.24	2700.79	0.32
Gila	Lower Gila	199.18	50_year	Preproj_Design	185000.00	925.40	940.83	935.61	941.68	0.002166	8.87	27459.48	2712.61	0.46
Gila	Lower Gila	199.18	50_year	Withprj_Design	185000.00	921.03	938.81	933.04	939.47	0.001403	6.87	29660.24	2700.79	0.32
Gila	Lower Gila	199.18	100_year	Preproj	227000.00	925.40	942.09	936.49	943.13	0.002296	9.78	30534.89	2719.94	0.48
Gila	Lower Gila	199.18	100_year	TRWithprj	227000.00	921.03	939.96	933.18	940.78	0.001398	7.69	32397.01	2709.15	0.34
Gila	Lower Gila	199.18	100_year	Preproj_Design	227000.00	925.40	942.09	936.49	943.13	0.002296	9.78	30534.89	2719.94	0.48
Gila	Lower Gila	199.18	100_year	Withprj_Design	227000.00	921.03	939.96	933.18	940.78	0.001398	7.69	32397.01	2709.15	0.34
Gila	Lower Gila	199.18	Typ Peak_year	Preproj	6700.00	925.40	930.95	929.44	931.14	0.002268	3.51	1907.96	1884.55	0.37
Gila	Lower Gila	199.18	Typ Peak_year	TRWithprj	6700.00	921.03	926.65	923.28	926.72	0.002507	2.15	3123.77	1205.48	0.22
Gila	Lower Gila	199.18	Typ Peak_year	Preproj_Design	6700.00	925.40	930.95	929.44	931.14	0.002268	3.51	1907.96	1884.55	0.37
Gila	Lower Gila	199.18	Typ Peak_year	Withprj_Design	6700.00	921.03	926.65	923.28	926.72	0.002507	2.15	3123.77	1205.48	0.22
Gila	Lower Gila	199.11	5_year	Preproj	23500.00	925.40	934.84	929.50	934.95	0.000735	2.74	8565.17	2757.07	0.18
Gila	Lower Gila	199.11	5_year	TRWithprj	23500.00	920.30	931.05	925.88	931.18	0.000585	2.96	7947.70	2638.05	0.20
Gila	Lower Gila	199.11	5_year	Preproj_Design	23500.00	925.40	934.84	929.50	934.95	0.000735	2.74	8565.17	2757.07	0.18
Gila	Lower Gila	199.11	5_year	Withprj_Design	23500.00	920.30	931.05	925.88	931.18	0.000585	2.96	7947.70	2638.05	0.20
Gila	Lower Gila	199.11	10_year	Preproj	57000.00	925.40	935.36	931.62	935.59	0.000988	3.47	16838.72	2758.38	0.22
Gila	Lower Gila	199.11	10_year	TRWithprj	57000.00	920.30	934.61	928.10	934.73	0.000315	2.67	21480.27	2756.41	0.15
Gila	Lower Gila	199.11	10_year	Preproj_Design	57000.00	925.40	935.36	931.62	935.59	0.000988	3.47	16838.72	2758.38	0.22
Gila	Lower Gila	199.11	10_year	Withprj_Design	57000.00	920.30	934.61	928.10	934.73	0.000315	2.67	21480.27	2756.41	0.15
Gila	Lower Gila	199.11	20_year	Preproj	92000.00	925.40	936.68	933.32	937.08	0.001323	4.74	20053.08	2761.66	0.28
Gila	Lower Gila	199.11	20_year	TRWithprj	92000.00	920.30	935.23	930.03	935.50	0.000627	4.04	22988.63	2758.05	0.22
Gila	Lower Gila	199.11	20_year	Preproj_Design	92000.00	925.40	936.68	933.32	937.08	0.001323	4.74	20053.08	2761.66	0.28
Gila	Lower Gila	199.11	20_year	Withprj_Design	92000.00	920.30	935.23	930.03	935.50	0.000627	4.04	22988.63	2758.05	0.22
Gila	Lower Gila	199.11	50_year	Preproj	185000.00	925.40	940.46	934.96	941.18	0.001375	6.54	28279.89	2778.22	0.32
Gila	Lower Gila	199.11	50_year	TRWithprj	185000.00	920.30	938.60	931.49	939.18	0.000900	5.97	31216.57	2766.53	0.28
Gila	Lower Gila	199.11	50_year	Preproj_Design	185000.00	925.40	940.46	934.96	941.18	0.001375	6.54	29279.89	2778.22	0.32
Gila	Lower Gila	199.11	50_year	Withprj_Design	185000.00	920.30	938.60	931.49	939.18	0.000900	5.97	31216.57	2766.53	0.28
Gila	Lower Gila	199.11	100_year	Preproj	227000.00	925.40	941.74	935.19	942.59	0.001382	7.27	32396.70	2803.59	0.34
Gila	Lower Gila	199.11	100_year	TRWithprj	227000.00	920.30	939.75	932.35	940.48	0.000980	6.74	34012.44	2771.24	0.30
Gila	Lower Gila	199.11	100_year	Preproj_Design	227000.00	925.40	941.74	935.19	942.59	0.001382	7.27	32396.70	2803.59	0.34
Gila	Lower Gila	199.11	100_year	Withprj_Design	227000.00	920.30	939.75	932.35	940.48	0.000980	6.74	34012.44	2771.24	0.30
Gila	Lower Gila	199.11	Typ Peak_year	Preproj	6700.00	925.40	930.72	927.52	930.76	0.000741	1.75	3834.49	2292.68	0.16
Gila	Lower Gila	199.11	Typ Peak_year	TRWithprj	6700.00	920.30	926.36	922.92	926.44	0.000564	2.28	2944.62	1257.37	0.23
Gila	Lower Gila	199.11	Typ Peak_year	Preproj_Design	6700.00	925.40	930.72	927.52	930.76	0.000741	1.75	3834.49	2292.68	0.16
Gila	Lower Gila	199.11	Typ Peak_year	Withprj_Design	6700.00	920.30	926.36	922.92	926.44	0.000564	2.28	2944.62	1257.37	0.23
Gila	Lower Gila	199.06	5_year	Preproj	23500.00	925.40	934.66	929.92	934.81	0.000668	3.08	7627.32	2493.70	0.21

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	199.06	5_year	TRWithprj	23500.00	919.83	930.89	926.00	931.04	0.000839	3.11	7666.05	2326.92	0.21
Gila	Lower Gila	199.06	5_year	Preproj_Design	23500.00	925.40	934.66	929.92	934.81	0.000668	3.08	7627.32	2493.70	0.21
Gila	Lower Gila	199.06	5_year	Withprj_Design	23500.00	919.83	930.89	926.00	931.04	0.000839	3.11	7666.05	2326.92	0.21
Gila	Lower Gila	199.06	10_year	Preproj	57000.00	925.40	935.16	932.01	935.40	0.000921	3.86	14894.32	2500.62	0.25
Gila	Lower Gila	199.06	10_year	TRWithprj	57000.00	919.83	934.51	928.18	934.66	0.000464	2.95	19047.62	2491.70	0.16
Gila	Lower Gila	199.06	10_year	Preproj_Design	57000.00	925.40	935.16	932.01	935.40	0.000921	3.86	14894.32	2500.62	0.25
Gila	Lower Gila	199.06	10_year	Withprj_Design	57000.00	919.83	934.51	928.18	934.66	0.000464	2.95	19047.62	2491.70	0.16
Gila	Lower Gila	199.06	20_year	Preproj	92000.00	925.40	936.36	933.72	936.80	0.001373	5.36	17488.97	2526.74	0.32
Gila	Lower Gila	199.06	20_year	TRWithprj	92000.00	919.83	935.01	929.96	935.36	0.000943	4.57	20116.60	2498.50	0.24
Gila	Lower Gila	199.06	20_year	Preproj_Design	92000.00	925.40	936.36	933.72	936.80	0.001373	5.36	17488.97	2526.74	0.32
Gila	Lower Gila	199.06	20_year	Withprj_Design	92000.00	919.83	935.01	929.96	935.36	0.000943	4.57	20116.60	2498.50	0.24
Gila	Lower Gila	199.06	50_year	Preproj	185000.00	925.40	940.03	934.86	940.86	0.001502	7.32	25505.47	2607.84	0.37
Gila	Lower Gila	199.06	50_year	TRWithprj	185000.00	919.83	938.20	932.44	938.97	0.001360	6.90	27059.75	2537.83	0.32
Gila	Lower Gila	199.06	50_year	Preproj_Design	185000.00	925.40	940.03	934.86	940.86	0.001502	7.32	25505.47	2607.84	0.37
Gila	Lower Gila	199.06	50_year	Withprj_Design	185000.00	919.83	938.20	932.44	938.97	0.001360	6.90	27059.75	2537.83	0.32
Gila	Lower Gila	199.06	100_year	Preproj	227000.00	925.40	941.24	935.34	942.26	0.001605	8.26	28356.52	2829.77	0.40
Gila	Lower Gila	199.06	100_year	TRWithprj	227000.00	919.83	939.27	932.75	940.25	0.001457	7.86	29397.12	2553.71	0.35
Gila	Lower Gila	199.06	100_year	Preproj_Design	227000.00	925.40	941.24	935.34	942.26	0.001605	8.26	28356.52	2829.77	0.40
Gila	Lower Gila	199.06	100_year	Withprj_Design	227000.00	919.83	939.27	932.75	940.25	0.001457	7.86	29397.12	2553.71	0.35
Gila	Lower Gila	199.06	Typ Peak_year	Preproj	6700.00	925.40	930.54	928.27	930.61	0.000737	2.08	3220.66	2260.71	0.21
Gila	Lower Gila	199.06	Typ Peak_year	TRWithprj	6700.00	919.83	926.19	923.16	926.28	0.001010	2.47	2711.35	1235.34	0.26
Gila	Lower Gila	199.06	Typ Peak_year	Preproj_Design	6700.00	925.40	930.54	928.27	930.61	0.000737	2.08	3220.66	2260.71	0.21
Gila	Lower Gila	199.06	Typ Peak_year	Withprj_Design	6700.00	919.83	926.19	923.16	926.28	0.001010	2.47	2711.35	1235.34	0.26
Gila	Lower Gila	199.02	5_year	Preproj	23500.00	925.40	934.53	929.93	934.70	0.000723	3.33	7049.89	2775.53	0.22
Gila	Lower Gila	199.02	5_year	TRWithprj	23500.00	919.32	930.74	925.28	930.87	0.001545	2.90	8102.70	2601.36	0.19
Gila	Lower Gila	199.02	5_year	Preproj_Design	23500.00	925.40	934.53	929.93	934.70	0.000723	3.33	7049.89	2775.53	0.22
Gila	Lower Gila	199.02	5_year	Withprj_Design	23500.00	919.32	930.74	925.28	930.87	0.001545	2.90	8102.70	2601.36	0.19
Gila	Lower Gila	199.02	10_year	Preproj	57000.00	925.40	934.97	932.13	935.24	0.001115	4.38	15541.25	2782.78	0.28
Gila	Lower Gila	199.02	10_year	TRWithprj	57000.00	919.32	934.37	927.46	934.56	0.000889	3.24	17946.27	2773.17	0.17
Gila	Lower Gila	199.02	10_year	Preproj_Design	57000.00	925.40	934.97	932.13	935.24	0.001115	4.38	15541.25	2782.78	0.28
Gila	Lower Gila	199.02	10_year	Withprj_Design	57000.00	919.32	934.37	927.46	934.56	0.000889	3.24	17946.27	2773.17	0.17
Gila	Lower Gila	199.02	20_year	Preproj	92000.00	925.40	936.09	933.87	936.57	0.001631	5.94	18271.58	2819.46	0.36
Gila	Lower Gila	199.02	20_year	TRWithprj	92000.00	919.32	934.87	929.22	935.19	0.001136	4.36	21627.50	2781.18	0.23
Gila	Lower Gila	199.02	20_year	Preproj_Design	92000.00	925.40	936.09	933.87	936.57	0.001631	5.94	18271.58	2819.46	0.36
Gila	Lower Gila	199.02	20_year	Withprj_Design	92000.00	919.32	934.87	929.22	935.19	0.001136	4.36	21627.50	2781.18	0.23
Gila	Lower Gila	199.02	50_year	Preproj	185000.00	925.40	939.82	934.70	940.62	0.001599	7.64	27370.24	2844.65	0.38
Gila	Lower Gila	199.02	50_year	TRWithprj	185000.00	919.32	938.06	932.08	938.73	0.001401	6.60	29389.27	2823.01	0.31
Gila	Lower Gila	199.02	50_year	Preproj_Design	185000.00	925.40	939.82	934.70	940.62	0.001599	7.64	27370.24	2844.65	0.38
Gila	Lower Gila	199.02	50_year	Withprj_Design	185000.00	919.32	938.06	932.08	938.73	0.001401	6.60	29389.27	2823.01	0.31
Gila	Lower Gila	199.02	100_year	Preproj	227000.00	925.40	941.04	935.48	942.00	0.001608	8.36	30357.20	2859.79	0.40
Gila	Lower Gila	199.02	100_year	TRWithprj	227000.00	919.32	939.14	933.26	939.99	0.001433	7.51	32037.34	2832.67	0.34
Gila	Lower Gila	199.02	100_year	Preproj_Design	227000.00	925.40	941.04	935.48	942.00	0.001608	8.36	30357.20	2859.79	0.40
Gila	Lower Gila	199.02	100_year	Withprj_Design	227000.00	919.32	939.14	933.26	939.99	0.001433	7.51	32037.34	2832.67	0.34
Gila	Lower Gila	199.02	Typ Peak_year	Preproj	6700.00	925.40	930.43	927.98	930.50	0.000695	2.25	2976.21	2267.06	0.22
Gila	Lower Gila	199.02	Typ Peak_year	TRWithprj	6700.00	919.32	925.99	922.22	926.06	0.002428	2.09	3201.61	1103.12	0.20
Gila	Lower Gila	199.02	Typ Peak_year	Preproj_Design	6700.00	925.40	930.43	927.98	930.50	0.000695	2.25	2976.21	2267.06	0.22
Gila	Lower Gila	199.02	Typ Peak_year	Withprj_Design	6700.00	919.32	925.99	922.22	926.06	0.002428	2.09	3201.61	1103.12	0.20
Gila	Lower Gila	198.99	5_year	Preproj	23500.00	925.10	934.37	929.80	934.60	0.000964	3.89	6034.76	2851.80	0.26
Gila	Lower Gila	198.99	5_year	TRWithprj	23500.00	919.07	930.59	924.56	930.70	0.001383	2.66	8829.54	2600.76	0.17
Gila	Lower Gila	198.99	5_year	Preproj_Design	23500.00	925.10	934.37	929.80	934.60	0.000964	3.89	6034.76	2851.80	0.26
Gila	Lower Gila	198.99	5_year	Withprj_Design	23500.00	919.07	930.59	924.56	930.70	0.001383	2.66	8829.54	2600.76	0.17
Gila	Lower Gila	198.99	10_year	Preproj	57000.00	925.10	934.87	932.28	935.12	0.000972	4.14	15709.59	2869.27	0.26
Gila	Lower Gila	198.99	10_year	TRWithprj	57000.00	919.07	934.22	926.85	934.44	0.001401	3.91	16065.97	2868.16	0.20
Gila	Lower Gila	198.99	10_year	Preproj_Design	57000.00	925.10	934.87	932.28	935.12	0.000972	4.14	15709.59	2869.27	0.26
Gila	Lower Gila	198.99	10_year	Withprj_Design	57000.00	919.07	934.22	926.85	934.44	0.001401	3.91	16065.97	2868.16	0.20
Gila	Lower Gila	198.99	20_year	Preproj	92000.00	925.10	935.93	934.38	936.39	0.001460	5.65	18327.49	2871.09	0.34
Gila	Lower Gila	198.99	20_year	TRWithprj	92000.00	919.07	934.78	928.60	935.06	0.001010	3.96	23140.23	2869.12	0.20
Gila	Lower Gila	198.99	20_year	Preproj_Design	92000.00	925.10	935.93	934.38	936.39	0.001460	5.65	18327.49	2871.09	0.34
Gila	Lower Gila	198.99	20_year	Withprj_Design	92000.00	919.07	934.78	928.60	935.06	0.001010	3.96	23140.23	2869.12	0.20
Gila	Lower Gila	198.99	50_year	Preproj	185000.00	925.10	939.66	934.60	940.44	0.001488	7.35	27516.00	2897.26	0.37
Gila	Lower Gila	198.99	50_year	TRWithprj	185000.00	919.07	937.95	932.20	938.57	0.001224	6.16	30963.69	2874.57	0.28
Gila	Lower Gila	198.99	50_year	Preproj_Design	185000.00	925.10	939.66	934.60	940.44	0.001488	7.35	27516.00	2897.26	0.37
Gila	Lower Gila	198.99	50_year	Withprj_Design	185000.00	919.07	937.95	932.20	938.57	0.001224	6.16	30963.69	2874.57	0.28
Gila	Lower Gila	198.99	100_year	Preproj	227000.00	925.10	940.88	935.21	941.82	0.001509	8.08	30527.55	2912.50	0.38
Gila	Lower Gila	198.99	100_year	TRWithprj	227000.00	919.07	939.04	933.23	939.82	0.001230	7.11	33653.79	2889.73	0.31
Gila	Lower Gila	198.99	100_year	Preproj_Design	227000.00	925.10	940.88	935.21	941.82	0.001509	8.08	30527.55	2912.50	0.38
Gila	Lower Gila	198.99	100_year	Withprj_Design	227000.00	919.07	939.04	933.23	939.82	0.001230	7.11	33653.79	2889.73	0.31
Gila	Lower Gila	198.99	Typ Peak_year	Preproj	6700.00	925.10	930.33	927.65	930.42	0.000737	2.44	2744.29	2179.24	0.23
Gila	Lower Gila	198.99	Typ Peak_year	TRWithprj	6700.00	919.07	925.80	921.53	925.85	0.001415	1.84	3648.39	1328.60	0.17
Gila	Lower Gila	198.99	Typ Peak_year	Preproj_Design	6700.00	925.10	930.33	927.65	930.42	0.000737	2.44	2744.29	2179.24	0.23
Gila	Lower Gila	198.99	Typ Peak_year	Withprj_Design	6700.00	919.07	925.80	921.53	925.85	0.001415	1.84	3648.39	1328.60	0.17
Gila	Lower Gila	198.97	5_year	Preproj	23500.00	925.10	934.12	929.64	934.36	0.001041	3.95	5943.98	2781.29	0.26
Gila	Lower Gila	198.97	5_year	TRWithprj	23500.00	918.96	930.39	923.19	930.47	0.000687	2.17	10833.48	2663.90	0.13
Gila	Lower Gila	198.97	5_year	Preproj_Design	23500.00	925.10	934.12	929.64	934.36	0.001041	3.95	5943.98	2781.29	0.26
Gila	Lower Gila	198.97	5_year	Withprj_Design	23500.00	918.96	930.39	923.19	930.47	0.000687	2.17	10833.48	2663.90	0.13
Gila	Lower Gila	198.97	10_year	Preproj	57000.00	925.10	934.51	932.19	934.85	0.001274	4.62	13867.10	2860.59	0.30
Gila	Lower Gila	198.97	10_year	TRWithprj	57000.00	918.96	934.07	925.67	934.21	0.000591	2.67	19631.42	2858.27	0.14
Gila	Lower Gila	198.97	10_year	Preproj_Design	57000.00	925.10	934.51	932.19	934.85	0.001274	4.62	13867.10	2860.59	0.30
Gila	Lower Gila	198.97	10_year	Withprj_Design	57000.00	918.96	934.07	925.67	934.21	0.000591	2.67	19631.42	2858.27	0.14
Gila	Lower Gila	198.97	20_year	Preproj	92000.00	925.10	935.59	934.16	936.05	0.001383	5.39	18430.65	2896.10	0.32
Gila	Lower Gila	198.97	20_year	TRWithprj	92000.00	918.96	934.56	927.23	934.82	0.000933	3.93	23624.30	2882.25	0.20
Gila	Lower Gila	198.97	20_year	Preproj_Design	92000.00	925.10	935.59	934.16	936.05	0.001383	5.39	18430.65	2896.10	0.32
Gila	Lower Gila	198.97	20_year	Withprj_Design	92000.00	918.96	934.56	927.23	934.82	0.000933	3.93	23624.30	2882.25	0.20
Gila	Lower Gila	198.97	50_year	Preproj	185000.00	925.10	939.33	934.62	940.10	0.001387	7.03	28026.97	2914.98	0.35
Gila	Lower Gila	198.97	50_year	TRWithprj	185000.00	918.96	937.77	930.55	938.28	0.000958	5.62	33684.99	2899.75	0.25
Gila	Lower Gila	198.97	50_year	Preproj_Design	185000.00	925.10	939.33	934.62	940.10	0.001387	7.03	28026.97	2914.98	0.35
Gila	Lower Gila	198.97	50_year	Withprj_Design	185000.00	918.96	937.77	930.55	938.28	0.000958	5.62	33684.99	2899.75	0.25
Gila	Lower Gila	198.97	100_year	Preproj	227000.00	925.10	940.55	934.96	941.47	0.001408	7.75	31168.09	2935.08	0.37
Gila	Lower Gila	198.97	100_year	TRWithprj	227000.00	918.96	938.87	931.82	939.52	0.000965	6.48	36521.09	2910.36	0.28
Gila	Lower Gila	198.97	100_year	Preproj_Design	227000.00	925.10	940.55	934.96	941.47	0.001408	7.75	31168.09	2935.08	0.37
Gila	Lower Gila	198.97	100_year	Withprj_Design	227000.00	918.96	938.87	931.82	939.52	0.000965	6.48	36521.09	2910.36	0.28
Gila	Lower Gila	198.97	Typ Peak_year	Preproj	6700.00	925.10	930.15	927.63	930.24	0.000783	2.47	2711.35	2188.83	0.23
Gila	Lower Gila	198.97	Typ Peak_year	TRWithprj	6700.00	918.96	925.57	920.79	925.60	0.000759	1.38	4841.59	1474.73	0.12
Gila	Lower Gila	198.97	Typ Peak_year	Preproj_Design	6700.00	925.10	930.15	927.63	930.24	0.000783	2.47	2711.35	2188.83	0.23
Gila	Lower Gila	198.97	Typ Peak_year	Withprj_Design	6700.00	918.96	925.57	920.79	925.60	0.000759	1.38	4841.59	1474.73	0.12

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	198.93	5_year	Preproj	23500.00	923.90	934.00	929.11	934.18	0.000550	3.41	6900.87	2819.34	0.23
Gila	Lower Gila	198.93	5_year	TRWithprj	23500.00	918.74	930.34	922.62	930.40	0.000157	1.98	11850.70	2528.17	0.12
Gila	Lower Gila	198.93	5_year	Preproj_Design	23500.00	923.90	934.00	929.11	934.18	0.000550	3.41	6900.87	2819.34	0.23
Gila	Lower Gila	198.93	5_year	Withprj_Design	23500.00	918.74	930.34	922.62	930.40	0.000157	1.98	11850.70	2528.17	0.12
Gila	Lower Gila	198.93	10_year	Preproj	57000.00	923.90	934.35	931.53	934.61	0.000772	4.19	15490.34	2837.70	0.27
Gila	Lower Gila	198.93	10_year	TRWithprj	57000.00	918.74	933.93	925.24	934.11	0.000316	3.40	16816.75	2830.71	0.17
Gila	Lower Gila	198.93	10_year	Preproj_Design	57000.00	923.90	934.35	931.53	934.61	0.000772	4.19	15490.34	2837.70	0.27
Gila	Lower Gila	198.93	10_year	Withprj_Design	57000.00	918.74	933.93	925.24	934.11	0.000316	3.40	16816.75	2830.71	0.17
Gila	Lower Gila	198.93	20_year	Preproj	92000.00	923.90	935.43	933.45	935.78	0.000857	4.85	21069.06	2856.66	0.29
Gila	Lower Gila	198.93	20_year	TRWithprj	92000.00	918.74	934.49	926.71	934.68	0.000354	3.71	27865.51	2839.92	0.19
Gila	Lower Gila	198.93	20_year	Preproj_Design	92000.00	923.90	935.43	933.45	935.78	0.000857	4.85	21069.06	2856.66	0.29
Gila	Lower Gila	198.93	20_year	Withprj_Design	92000.00	918.74	934.49	926.71	934.68	0.000354	3.71	27865.51	2839.92	0.19
Gila	Lower Gila	198.93	50_year	Preproj	185000.00	923.90	939.21	934.10	939.79	0.000919	6.37	31985.96	2919.61	0.32
Gila	Lower Gila	198.93	50_year	TRWithprj	185000.00	918.74	937.66	929.89	938.09	0.000580	5.59	36950.11	2890.14	0.25
Gila	Lower Gila	198.93	50_year	Preproj_Design	185000.00	923.90	939.21	934.10	939.79	0.000919	6.37	31985.96	2919.61	0.32
Gila	Lower Gila	198.93	50_year	Withprj_Design	185000.00	918.74	937.66	929.89	938.09	0.000580	5.59	36950.11	2890.14	0.25
Gila	Lower Gila	198.93	100_year	Preproj	227000.00	923.90	940.46	934.41	941.14	0.000945	6.98	35628.05	2943.45	0.33
Gila	Lower Gila	198.93	100_year	TRWithprj	227000.00	918.74	938.77	931.13	939.31	0.000650	6.31	40164.56	2909.69	0.27
Gila	Lower Gila	198.93	100_year	Preproj_Design	227000.00	923.90	940.46	934.41	941.14	0.000945	6.98	35628.05	2943.45	0.33
Gila	Lower Gila	198.93	100_year	Withprj_Design	227000.00	918.74	938.77	931.13	939.31	0.000650	6.31	40164.56	2909.69	0.27
Gila	Lower Gila	198.93	Typ Peak_year	Preproj	6700.00	923.90	930.05	927.08	930.11	0.000396	2.09	3198.39	2072.27	0.19
Gila	Lower Gila	198.93	Typ Peak_year	TRWithprj	6700.00	918.74	925.53	920.47	925.55	0.000109	1.23	5447.18	1546.39	0.11
Gila	Lower Gila	198.93	Typ Peak_year	Preproj_Design	6700.00	923.90	930.05	927.08	930.11	0.000396	2.09	3198.39	2072.27	0.19
Gila	Lower Gila	198.93	Typ Peak_year	Withprj_Design	6700.00	918.74	925.53	920.47	925.55	0.000109	1.23	5447.18	1546.39	0.11
Gila	Lower Gila	198.88	5_year	Preproj	23500.00	923.90	933.82	929.27	934.00	0.000949	3.42	6865.14	2783.67	0.23
Gila	Lower Gila	198.88	5_year	TRWithprj	23500.00	918.68	930.26	923.11	930.33	0.000596	2.05	11445.15	2540.38	0.12
Gila	Lower Gila	198.88	5_year	Preproj_Design	23500.00	923.90	933.82	929.27	934.00	0.000949	3.42	6865.14	2783.67	0.23
Gila	Lower Gila	198.88	5_year	Withprj_Design	23500.00	918.68	930.26	923.11	930.33	0.000596	2.05	11445.15	2540.38	0.12
Gila	Lower Gila	198.88	10_year	Preproj	57000.00	923.90	934.16	931.53	934.37	0.001000	3.73	16466.27	2815.35	0.25
Gila	Lower Gila	198.88	10_year	TRWithprj	57000.00	918.68	933.82	925.36	933.98	0.000820	3.28	19777.11	2847.53	0.17
Gila	Lower Gila	198.88	10_year	Preproj_Design	57000.00	923.90	934.16	931.53	934.37	0.001000	3.73	16466.27	2815.35	0.25
Gila	Lower Gila	198.88	10_year	Withprj_Design	57000.00	918.68	933.82	925.36	933.98	0.000820	3.28	19777.11	2847.53	0.17
Gila	Lower Gila	198.88	20_year	Preproj	92000.00	923.90	935.21	933.42	935.52	0.001097	4.46	21432.96	2867.24	0.28
Gila	Lower Gila	198.88	20_year	TRWithprj	92000.00	918.68	934.35	926.87	934.56	0.000702	3.60	27558.76	2854.49	0.18
Gila	Lower Gila	198.88	20_year	Preproj_Design	92000.00	923.90	935.21	933.42	935.52	0.001097	4.46	21432.96	2867.24	0.28
Gila	Lower Gila	198.88	20_year	Withprj_Design	92000.00	918.68	934.35	926.87	934.56	0.000702	3.60	27558.76	2854.49	0.18
Gila	Lower Gila	198.88	50_year	Preproj	185000.00	923.90	938.98	933.96	939.53	0.001077	6.00	32319.75	2903.55	0.31
Gila	Lower Gila	198.88	50_year	TRWithprj	185000.00	918.68	937.45	930.07	937.91	0.000909	5.63	36465.41	2895.17	0.25
Gila	Lower Gila	198.88	50_year	Preproj_Design	185000.00	923.90	938.98	933.96	939.53	0.001077	6.00	32319.75	2903.55	0.31
Gila	Lower Gila	198.88	50_year	Withprj_Design	185000.00	918.68	937.45	930.07	937.91	0.000909	5.63	36465.41	2895.17	0.25
Gila	Lower Gila	198.88	100_year	Preproj	227000.00	923.90	940.22	934.18	940.88	0.001087	6.62	35886.78	2929.83	0.32
Gila	Lower Gila	198.88	100_year	TRWithprj	227000.00	918.68	938.55	931.35	939.12	0.000912	6.41	39619.91	2901.88	0.28
Gila	Lower Gila	198.88	100_year	Preproj_Design	227000.00	923.90	940.22	934.18	940.88	0.001087	6.62	35886.78	2929.83	0.32
Gila	Lower Gila	198.88	100_year	Withprj_Design	227000.00	918.68	938.55	931.35	939.12	0.000912	6.41	39619.91	2901.88	0.28
Gila	Lower Gila	198.88	Typ Peak_year	Preproj	6700.00	923.90	929.88	927.33	929.96	0.001062	2.21	3034.27	2215.54	0.21
Gila	Lower Gila	198.88	Typ Peak_year	TRWithprj	6700.00	918.68	925.47	920.51	925.49	0.000609	1.29	5183.61	1796.30	0.11
Gila	Lower Gila	198.88	Typ Peak_year	Preproj_Design	6700.00	923.90	929.88	927.33	929.96	0.001062	2.21	3034.27	2215.54	0.21
Gila	Lower Gila	198.88	Typ Peak_year	Withprj_Design	6700.00	918.68	925.47	920.51	925.49	0.000609	1.29	5183.61	1796.30	0.11
Gila	Lower Gila	198.83	5_year	Preproj	23500.00	923.90	933.67	928.97	933.83	0.000840	3.22	7293.24	2622.28	0.22
Gila	Lower Gila	198.83	5_year	TRWithprj	23500.00	918.51	930.11	923.76	930.20	0.000836	2.45	9605.65	2401.13	0.15
Gila	Lower Gila	198.83	5_year	Preproj_Design	23500.00	923.90	933.67	928.97	933.83	0.000840	3.22	7293.24	2622.28	0.22
Gila	Lower Gila	198.83	5_year	Withprj_Design	23500.00	918.51	930.11	923.76	930.20	0.000836	2.45	9605.65	2401.13	0.15
Gila	Lower Gila	198.83	10_year	Preproj	57000.00	923.90	934.05	931.11	934.21	0.000660	3.03	18791.25	2632.48	0.20
Gila	Lower Gila	198.83	10_year	TRWithprj	57000.00	918.51	933.73	925.90	933.85	0.000588	2.77	22774.85	2788.64	0.15
Gila	Lower Gila	198.83	10_year	Preproj_Design	57000.00	923.90	934.05	931.11	934.21	0.000660	3.03	18791.25	2632.48	0.20
Gila	Lower Gila	198.83	10_year	Withprj_Design	57000.00	918.51	933.73	925.90	933.85	0.000588	2.77	22774.85	2788.64	0.15
Gila	Lower Gila	198.83	20_year	Preproj	92000.00	923.90	935.01	932.96	935.33	0.001063	4.33	21355.04	2719.13	0.27
Gila	Lower Gila	198.83	20_year	TRWithprj	92000.00	918.51	934.18	927.55	934.42	0.000843	3.86	25752.92	2802.33	0.20
Gila	Lower Gila	198.83	20_year	Preproj_Design	92000.00	923.90	935.01	932.96	935.33	0.001063	4.33	21355.04	2719.13	0.27
Gila	Lower Gila	198.83	20_year	Withprj_Design	92000.00	918.51	934.18	927.55	934.42	0.000843	3.86	25752.92	2802.33	0.20
Gila	Lower Gila	198.83	50_year	Preproj	185000.00	923.90	938.77	933.71	939.32	0.001120	5.98	31990.81	2855.46	0.30
Gila	Lower Gila	198.83	50_year	TRWithprj	185000.00	918.51	937.19	931.08	937.72	0.001106	6.04	34309.05	2850.48	0.28
Gila	Lower Gila	198.83	50_year	Preproj_Design	185000.00	923.90	938.77	933.71	939.32	0.001120	5.98	31990.81	2855.46	0.30
Gila	Lower Gila	198.83	50_year	Withprj_Design	185000.00	918.51	937.19	931.08	937.72	0.001106	6.04	34309.05	2850.48	0.28
Gila	Lower Gila	198.83	100_year	Preproj	227000.00	923.90	940.00	933.75	940.67	0.001143	6.63	35501.99	2859.24	0.32
Gila	Lower Gila	198.83	100_year	TRWithprj	227000.00	918.51	938.28	932.53	938.93	0.001098	6.87	37404.52	2853.95	0.30
Gila	Lower Gila	198.83	100_year	Preproj_Design	227000.00	923.90	940.00	933.75	940.67	0.001143	6.63	35501.99	2859.24	0.32
Gila	Lower Gila	198.83	100_year	Withprj_Design	227000.00	918.51	938.28	932.53	938.93	0.001098	6.87	37404.52	2853.95	0.30
Gila	Lower Gila	198.83	Typ Peak_year	Preproj	6700.00	923.90	929.72	927.31	929.79	0.000837	2.04	3277.40	2195.60	0.20
Gila	Lower Gila	198.83	Typ Peak_year	TRWithprj	6700.00	918.51	925.32	920.79	925.36	0.000937	1.60	4191.09	1614.18	0.14
Gila	Lower Gila	198.83	Typ Peak_year	Preproj_Design	6700.00	923.90	929.72	927.31	929.79	0.000837	2.04	3277.40	2195.60	0.20
Gila	Lower Gila	198.83	Typ Peak_year	Withprj_Design	6700.00	918.51	925.32	920.79	925.36	0.000937	1.60	4191.09	1614.18	0.14
Gila	Lower Gila	198.8	5_year	Preproj	23500.00	923.90	933.49	928.55	933.63	0.000970	3.00	7846.01	2347.58	0.20
Gila	Lower Gila	198.8	5_year	TRWithprj	23500.00	918.35	929.90	923.59	930.00	0.000921	2.60	9021.65	2230.79	0.16
Gila	Lower Gila	198.8	5_year	Preproj_Design	23500.00	923.90	933.49	928.55	933.63	0.000970	3.00	7846.01	2347.58	0.20
Gila	Lower Gila	198.8	5_year	Withprj_Design	23500.00	918.35	929.90	923.59	930.00	0.000921	2.60	9021.65	2230.79	0.16
Gila	Lower Gila	198.8	10_year	Preproj	57000.00	923.90	933.86	930.70	934.05	0.000725	2.78	17383.98	2377.79	0.18
Gila	Lower Gila	198.8	10_year	TRWithprj	57000.00	918.35	933.56	925.88	933.71	0.000656	2.80	20353.10	2400.87	0.15
Gila	Lower Gila	198.8	10_year	Preproj_Design	57000.00	923.90	933.86	930.70	934.05	0.000725	2.78	17383.98	2377.79	0.18
Gila	Lower Gila	198.8	10_year	Withprj_Design	57000.00	918.35	933.56	925.88	933.71	0.000656	2.80	20353.10	2400.87	0.15
Gila	Lower Gila	198.8	20_year	Preproj	92000.00	923.90	934.67	932.41	935.07	0.001256	4.15	19365.73	2483.43	0.26
Gila	Lower Gila	198.8	20_year	TRWithprj	92000.00	918.35	933.93	927.62	934.21	0.000963	3.89	23152.95	2418.94	0.20
Gila	Lower Gila	198.8	20_year	Preproj_Design	92000.00	923.90	934.67	932.41	935.07	0.001256	4.15	19365.73	2483.43	0.26
Gila	Lower Gila	198.8	20_year	Withprj_Design	92000.00	918.35	933.93	927.62	934.21	0.000963	3.89	23152.95	2418.94	0.20
Gila	Lower Gila	198.8	50_year	Preproj	185000.00	923.90	938.33	933.51	939.04	0.001380	5.95	28799.05	2763.66	0.30
Gila	Lower Gila	198.8	50_year	TRWithprj	185000.00	918.35	936.80	931.30	937.44	0.001324	6.28	30349.67	2525.19	0.29
Gila	Lower Gila	198.8	50_year	Preproj_Design	185000.00	923.90	938.33	933.51	939.04	0.001380	5.95	28799.05	2763.66	0.30
Gila	Lower Gila	198.8	50_year	Withprj_Design	185000.00	918.35	936.80	931.30	937.44	0.001324	6.28	30349.67	2525.19	0.29
Gila	Lower Gila	198.8	100_year	Preproj	227000.00	923.90	939.53	933.71	940.37	0.001422	6.71	32160.02	2858.08	0.33
Gila	Lower Gila	198.8	100_year	TRWithprj	227000.00	918.35	937.85	932.72	938.65	0.001330	7.23	33104.49	2731.88	0.32
Gila	Lower Gila	198.8	100_year	Preproj_Design	227000.00	923.90	939.53	933.71	940.37	0.001422	6.71	32160.02	2858.08	0.33
Gila	Lower Gila	198.8	100_year	Withprj_Design	227000.00	918.35	937.85	932.72	938.65	0.001330	7.23	33104.49	2731.88	0.32
Gila	Lower Gila	198.8	Typ Peak_year	Preproj	6700.00	923.90	929.54	926.97	929.59	0.000910	1.89	3544.75	2061.30	0.18
Gila	Lower Gila	198.8	Typ Peak_year	TRWithprj	6700.00	918.35	925.10	920.62	925.15	0.000970	1.71	3928.71	1638.54	0.15
Gila	Lower Gila	198.8	Typ Peak_year	Preproj_Design	6700.00	923.90	929.54	926.97	929.59	0.000910	1.89	3544.75	2061.30	0.18
Gila	Lower Gila	198.8	Typ Peak_year	Withprj_Design	6700.00	918.35	925.10	920.62	925.15	0.000970	1.71	3928.71	1638.54	0.15

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	198.76	5_year	Preproj	23500.00	923.90	933.18	928.29	933.31	0.001178	2.99	7870.18	2724.44	0.20
Gila	Lower Gila	198.76	5_year	TRWithprj	23500.00	918.18	929.76	923.28	929.86	0.000291	2.54	9264.52	2609.00	0.16
Gila	Lower Gila	198.76	5_year	Preproj_Design	23500.00	923.90	933.18	928.29	933.31	0.001178	2.99	7870.18	2724.44	0.20
Gila	Lower Gila	198.76	5_year	Withprj_Design	23500.00	918.18	929.76	923.28	929.86	0.000291	2.54	9264.52	2609.00	0.16
Gila	Lower Gila	198.76	10_year	Preproj	57000.00	923.90	933.55	930.49	933.77	0.001243	3.33	16717.61	2760.28	0.22
Gila	Lower Gila	198.76	10_year	TRWithprj	57000.00	918.18	933.43	925.65	933.57	0.000331	3.27	21767.79	2756.28	0.17
Gila	Lower Gila	198.76	10_year	Preproj_Design	57000.00	923.90	933.55	930.49	933.77	0.001243	3.33	16717.61	2760.28	0.22
Gila	Lower Gila	198.76	10_year	Withprj_Design	57000.00	918.18	933.43	925.65	933.57	0.000331	3.27	21767.79	2756.28	0.17
Gila	Lower Gila	198.76	20_year	Preproj	92000.00	923.90	934.36	932.13	934.71	0.001039	3.50	22388.02	2825.25	0.22
Gila	Lower Gila	198.76	20_year	TRWithprj	92000.00	918.18	933.76	927.48	934.00	0.000492	4.16	26046.22	2817.14	0.21
Gila	Lower Gila	198.76	20_year	Preproj_Design	92000.00	923.90	934.36	932.13	934.71	0.001039	3.50	22388.02	2825.25	0.22
Gila	Lower Gila	198.76	20_year	Withprj_Design	92000.00	918.18	933.76	927.48	934.00	0.000492	4.16	26046.22	2817.14	0.21
Gila	Lower Gila	198.76	50_year	Preproj	185000.00	923.90	938.05	933.26	938.64	0.001109	5.00	32957.17	2882.63	0.26
Gila	Lower Gila	198.76	50_year	TRWithprj	185000.00	918.18	936.55	931.00	937.11	0.000837	6.33	34041.70	2878.34	0.29
Gila	Lower Gila	198.76	50_year	Preproj_Design	185000.00	923.90	938.05	933.26	938.64	0.001109	5.00	32957.17	2882.63	0.26
Gila	Lower Gila	198.76	50_year	Withprj_Design	185000.00	918.18	936.55	931.00	937.11	0.000837	6.33	34041.70	2878.34	0.29
Gila	Lower Gila	198.76	100_year	Preproj	227000.00	923.90	939.26	933.37	939.95	0.001123	5.66	36443.96	2886.09	0.28
Gila	Lower Gila	198.76	100_year	TRWithprj	227000.00	918.18	937.61	932.36	938.29	0.000912	7.05	37082.74	2881.37	0.31
Gila	Lower Gila	198.76	100_year	Preproj_Design	227000.00	923.90	939.26	933.37	939.95	0.001123	5.66	36443.96	2886.09	0.28
Gila	Lower Gila	198.76	100_year	Withprj_Design	227000.00	918.18	937.61	932.36	938.29	0.000912	7.05	37082.74	2881.37	0.31
Gila	Lower Gila	198.76	Typ Peak_year	Preproj	6700.00	923.90	929.25	926.56	929.30	0.001054	1.93	3467.75	2453.10	0.19
Gila	Lower Gila	198.76	Typ Peak_year	TRWithprj	6700.00	918.18	924.99	920.35	925.03	0.000213	1.67	4015.40	1679.77	0.14
Gila	Lower Gila	198.76	Typ Peak_year	Preproj_Design	6700.00	923.90	929.25	926.56	929.30	0.001054	1.93	3467.75	2453.10	0.19
Gila	Lower Gila	198.76	Typ Peak_year	Withprj_Design	6700.00	918.18	924.99	920.35	925.03	0.000213	1.67	4015.40	1679.77	0.14
Gila	Lower Gila	198.7	5_year	Preproj	23500.00	923.90	932.92	928.06	933.06	0.000818	3.07	7664.81	2789.30	0.21
Gila	Lower Gila	198.7	5_year	TRWithprj	23500.00	917.93	929.63	922.90	929.73	0.001196	2.50	9418.26	2627.75	0.15
Gila	Lower Gila	198.7	5_year	Preproj_Design	23500.00	923.90	932.92	928.06	933.06	0.000818	3.07	7664.81	2789.30	0.21
Gila	Lower Gila	198.7	5_year	Withprj_Design	23500.00	917.93	929.63	922.90	929.73	0.001196	2.50	9418.26	2627.75	0.15
Gila	Lower Gila	198.7	10_year	Preproj	57000.00	923.90	933.41	930.27	933.56	0.000493	2.56	20986.80	2827.45	0.17
Gila	Lower Gila	198.7	10_year	TRWithprj	57000.00	917.93	933.31	925.26	933.43	0.000988	3.02	22253.88	2912.06	0.15
Gila	Lower Gila	198.7	10_year	Preproj_Design	57000.00	923.90	933.41	930.27	933.56	0.000493	2.56	20986.80	2827.45	0.17
Gila	Lower Gila	198.7	10_year	Withprj_Design	57000.00	917.93	933.31	925.26	933.43	0.000988	3.02	22253.88	2912.06	0.15
Gila	Lower Gila	198.7	20_year	Preproj	92000.00	923.90	934.14	931.98	934.45	0.000893	3.83	23068.85	2877.36	0.24
Gila	Lower Gila	198.7	20_year	TRWithprj	92000.00	917.93	933.61	927.13	933.84	0.000769	3.19	27644.49	2926.57	0.16
Gila	Lower Gila	198.7	20_year	Preproj_Design	92000.00	923.90	934.14	931.98	934.45	0.000893	3.83	23068.85	2877.36	0.24
Gila	Lower Gila	198.7	20_year	Withprj_Design	92000.00	917.93	933.61	927.13	933.84	0.000769	3.19	27644.49	2926.57	0.16
Gila	Lower Gila	198.7	50_year	Preproj	185000.00	923.90	937.80	933.21	938.35	0.001017	5.47	33841.82	2963.75	0.28
Gila	Lower Gila	198.7	50_year	TRWithprj	185000.00	917.93	936.34	930.69	936.85	0.001085	5.32	35698.36	2955.78	0.24
Gila	Lower Gila	198.7	50_year	Preproj_Design	185000.00	923.90	937.80	933.21	938.35	0.001017	5.47	33841.82	2963.75	0.28
Gila	Lower Gila	198.7	50_year	Withprj_Design	185000.00	917.93	936.34	930.69	936.85	0.001085	5.32	35698.36	2955.78	0.24
Gila	Lower Gila	198.7	100_year	Preproj	227000.00	923.90	939.01	933.23	939.66	0.001040	6.12	37423.42	2976.88	0.30
Gila	Lower Gila	198.7	100_year	TRWithprj	227000.00	917.93	937.40	932.08	938.01	0.001070	6.13	38844.09	2961.55	0.27
Gila	Lower Gila	198.7	100_year	Preproj_Design	227000.00	923.90	939.01	933.23	939.66	0.001040	6.12	37423.42	2976.88	0.30
Gila	Lower Gila	198.7	100_year	Withprj_Design	227000.00	917.93	937.40	932.08	938.01	0.001070	6.13	38844.09	2961.55	0.27
Gila	Lower Gila	198.7	Typ Peak_year	Preproj	6700.00	923.90	929.03	926.07	929.08	0.000712	1.94	3451.71	2395.07	0.19
Gila	Lower Gila	198.7	Typ Peak_year	TRWithprj	6700.00	917.93	924.90	920.03	924.94	0.000758	1.56	4303.10	1725.54	0.13
Gila	Lower Gila	198.7	Typ Peak_year	Preproj_Design	6700.00	923.90	929.03	926.07	929.08	0.000712	1.94	3451.71	2395.07	0.19
Gila	Lower Gila	198.7	Typ Peak_year	Withprj_Design	6700.00	917.93	924.90	920.03	924.94	0.000758	1.56	4303.10	1725.54	0.13
Gila	Lower Gila	198.65	5_year	Preproj	23500.00	923.88	932.74	928.11	932.89	0.000523	3.16	7431.60	2853.86	0.22
Gila	Lower Gila	198.65	5_year	TRWithprj	23500.00	917.77	929.35	922.16	929.44	0.001012	2.30	10203.96	2462.70	0.14
Gila	Lower Gila	198.65	5_year	Preproj_Design	23500.00	923.88	932.74	928.11	932.89	0.000523	3.16	7431.60	2853.86	0.22
Gila	Lower Gila	198.65	5_year	Withprj_Design	23500.00	917.77	929.35	922.16	929.44	0.001012	2.30	10203.96	2462.70	0.14
Gila	Lower Gila	198.65	10_year	Preproj	57000.00	923.88	933.26	930.33	933.44	0.000413	2.96	19532.25	2944.99	0.20
Gila	Lower Gila	198.65	10_year	TRWithprj	57000.00	917.77	933.09	924.41	933.21	0.000682	2.46	22284.43	3058.10	0.13
Gila	Lower Gila	198.65	10_year	Preproj_Design	57000.00	923.88	933.26	930.33	933.44	0.000413	2.96	19532.25	2944.99	0.20
Gila	Lower Gila	198.65	10_year	Withprj_Design	57000.00	917.77	933.09	924.41	933.21	0.000682	2.46	22284.43	3058.10	0.13
Gila	Lower Gila	198.65	20_year	Preproj	92000.00	923.88	933.84	932.08	934.22	0.000813	4.42	21252.24	2972.70	0.28
Gila	Lower Gila	198.65	20_year	TRWithprj	92000.00	917.77	933.41	926.31	933.65	0.000676	2.94	27238.28	3061.32	0.15
Gila	Lower Gila	198.65	20_year	Preproj_Design	92000.00	923.88	933.84	932.08	934.22	0.000813	4.42	21252.24	2972.70	0.28
Gila	Lower Gila	198.65	20_year	Withprj_Design	92000.00	917.77	933.41	926.31	933.65	0.000676	2.94	27238.28	3061.32	0.15
Gila	Lower Gila	198.65	50_year	Preproj	185000.00	923.88	937.46	932.91	938.09	0.000913	6.01	32267.28	3082.65	0.32
Gila	Lower Gila	198.65	50_year	TRWithprj	185000.00	917.77	936.07	929.87	936.58	0.000961	4.93	35401.79	3075.57	0.23
Gila	Lower Gila	198.65	50_year	Preproj_Design	185000.00	923.88	937.46	932.91	938.09	0.000913	6.01	32267.28	3082.65	0.32
Gila	Lower Gila	198.65	50_year	Withprj_Design	185000.00	917.77	936.07	929.87	936.58	0.000961	4.93	35401.79	3075.57	0.23
Gila	Lower Gila	198.65	100_year	Preproj	227000.00	923.88	938.65	933.10	939.39	0.000950	6.62	35948.64	3088.51	0.33
Gila	Lower Gila	198.65	100_year	TRWithprj	227000.00	917.77	937.14	931.31	937.74	0.000963	5.74	38683.48	3080.95	0.26
Gila	Lower Gila	198.65	100_year	Preproj_Design	227000.00	923.88	938.65	933.10	939.39	0.000950	6.62	35948.64	3088.51	0.33
Gila	Lower Gila	198.65	100_year	Withprj_Design	227000.00	917.77	937.14	931.31	937.74	0.000963	5.74	38683.48	3080.95	0.26
Gila	Lower Gila	198.65	Typ Peak_year	Preproj	6700.00	923.88	928.87	926.08	928.93	0.000464	2.06	3255.18	2194.03	0.20
Gila	Lower Gila	198.65	Typ Peak_year	TRWithprj	6700.00	917.77	924.72	919.58	924.75	0.000680	1.34	5007.81	1513.55	0.11
Gila	Lower Gila	198.65	Typ Peak_year	Preproj_Design	6700.00	923.88	928.87	926.08	928.93	0.000464	2.06	3255.18	2194.03	0.20
Gila	Lower Gila	198.65	Typ Peak_year	Withprj_Design	6700.00	917.77	924.72	919.58	924.75	0.000680	1.34	5007.81	1513.55	0.11
Gila	Lower Gila	198.6	5_year	Preproj	23500.00	923.30	932.54	927.66	932.69	0.000708	3.14	7488.66	2627.45	0.21
Gila	Lower Gila	198.6	5_year	TRWithprj	23500.00	917.63	928.90	922.38	929.01	0.001653	2.71	8681.77	2346.94	0.16
Gila	Lower Gila	198.6	5_year	Preproj_Design	23500.00	923.30	932.54	927.66	932.69	0.000708	3.14	7488.66	2627.45	0.21
Gila	Lower Gila	198.6	5_year	Withprj_Design	23500.00	917.63	928.90	922.38	929.01	0.001653	2.71	8681.77	2346.94	0.16
Gila	Lower Gila	198.6	10_year	Preproj	57000.00	923.30	933.09	929.92	933.29	0.000471	2.74	19510.72	2709.83	0.18
Gila	Lower Gila	198.6	10_year	TRWithprj	57000.00	917.63	932.48	924.77	932.80	0.002512	4.56	12512.46	2744.24	0.24
Gila	Lower Gila	198.6	10_year	Preproj_Design	57000.00	923.30	933.09	929.92	933.29	0.000471	2.74	19510.72	2709.83	0.18
Gila	Lower Gila	198.6	10_year	Withprj_Design	57000.00	917.63	932.48	924.77	932.80	0.002512	4.56	12512.46	2744.24	0.24
Gila	Lower Gila	198.6	20_year	Preproj	92000.00	923.30	933.49	931.69	933.91	0.000984	4.23	20585.42	2780.15	0.27
Gila	Lower Gila	198.6	20_year	TRWithprj	92000.00	917.63	933.11	926.65	933.39	0.000820	2.97	26079.14	2802.98	0.15
Gila	Lower Gila	198.6	20_year	Preproj_Design	92000.00	923.30	933.49	931.69	933.91	0.000984	4.23	20585.42	2780.15	0.27
Gila	Lower Gila	198.6	20_year	Withprj_Design	92000.00	917.63	933.11	926.65	933.39	0.000820	2.97	26079.14	2802.98	0.15
Gila	Lower Gila	198.6	50_year	Preproj	185000.00	923.30	937.07	932.71	937.74	0.001129	5.97	31616.20	3170.05	0.31
Gila	Lower Gila	198.6	50_year	TRWithprj	185000.00	917.63	935.63	930.59	936.19	0.001304	5.08	33674.56	3161.32	0.24
Gila	Lower Gila	198.6	50_year	Preproj_Design	185000.00	923.30	937.07	932.71	937.74	0.001129	5.97	31616.20	3170.05	0.31
Gila	Lower Gila	198.6	50_year	Withprj_Design	185000.00	917.63	935.63	930.59	936.19	0.001304	5.08	33674.56	3161.32	0.24
Gila	Lower Gila	198.6	100_year	Preproj	227000.00	923.30	938.26	932.91	939.03	0.001134	6.55	35394.66	3177.84	0.33
Gila	Lower Gila	198.6	100_year	TRWithprj	227000.00	917.63	936.70	932.06	937.37	0.001260	5.85	37070.75	3167.83	0.27
Gila	Lower Gila	198.6	100_year	Preproj_Design	227000.00	923.30	938.26	932.91	939.03	0.001134	6.55	35394.66	3177.84	0.33
Gila	Lower Gila	198.6	100_year	Withprj_Design	227000.00	917.63	936.70	932.06	937.37	0.001260	5.85	37070.75	3167.83	0.27
Gila	Lower Gila	198.6	Typ Peak_year	Preproj	6700.00	923.30	928.70	925.73	928.76	0.000603	1.92	3498.50	2146.28	0.18
Gila	Lower Gila	198.6	Typ Peak_year	TRWithprj	6700.00	917.63	924.43	919.68	924.47	0.001067	1.58	4245.89	1638.49	0.13
Gila	Lower Gila	198.6	Typ Peak_year	Preproj_Design	6700.00	923.30	928.70	925.73	928.76	0.000603	1.92	3498.50	2146.28	0.18

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	198.6	Typ Peak_year	Withprj_Design	6700.00	917.63	924.43	919.68	924.47	0.001067	1.58	4245.89	1638.49	0.13
Gila	Lower Gila	198.54	5_year	Preproj	23500.00	922.67	932.21	926.94	932.35	0.002902	3.00	7830.24	2552.41	0.19
Gila	Lower Gila	198.54	5_year	TRWithprj	23500.00	917.40	928.40	922.49	928.51	0.002113	2.69	8727.99	2216.56	0.17
Gila	Lower Gila	198.54	5_year	Preproj_Design	23500.00	922.67	932.21	926.94	932.35	0.002902	3.00	7830.24	2552.41	0.19
Gila	Lower Gila	198.54	5_year	Withprj_Design	23500.00	917.40	928.40	922.49	928.51	0.002113	2.69	8727.99	2216.56	0.17
Gila	Lower Gila	198.54	10_year	Preproj	57000.00	922.67	932.77	929.10	933.06	0.001540	2.68	17340.36	2735.42	0.17
Gila	Lower Gila	198.54	10_year	TRWithprj	57000.00	917.40	931.73	924.63	932.06	0.002996	4.61	12359.08	2562.25	0.24
Gila	Lower Gila	198.54	10_year	Preproj_Design	57000.00	922.67	932.77	929.10	933.06	0.001540	2.68	17340.36	2735.42	0.17
Gila	Lower Gila	198.54	10_year	Withprj_Design	57000.00	917.40	931.73	924.63	932.06	0.002996	4.61	12359.08	2562.25	0.24
Gila	Lower Gila	198.54	20_year	Preproj	92000.00	922.67	932.85	930.89	933.45	0.003057	4.62	17534.93	2756.57	0.29
Gila	Lower Gila	198.54	20_year	TRWithprj	92000.00	917.40	932.08	926.35	932.89	0.004819	7.22	12748.92	2597.44	0.37
Gila	Lower Gila	198.54	20_year	Preproj_Design	92000.00	922.67	932.85	930.89	933.45	0.003057	4.62	17534.93	2756.57	0.29
Gila	Lower Gila	198.54	20_year	Withprj_Design	92000.00	917.40	932.08	926.35	932.89	0.004819	7.22	12748.92	2597.44	0.37
Gila	Lower Gila	198.54	50_year	Preproj	185000.00	922.67	936.71	932.41	937.38	0.001522	5.02	31890.86	3206.73	0.26
Gila	Lower Gila	198.54	50_year	TRWithprj	185000.00	917.40	935.32	930.03	935.85	0.001146	5.03	32582.06	3198.82	0.23
Gila	Lower Gila	198.54	50_year	Preproj_Design	185000.00	922.67	936.71	932.41	937.38	0.001522	5.02	31890.86	3206.73	0.26
Gila	Lower Gila	198.54	50_year	Withprj_Design	185000.00	917.40	935.32	930.03	935.85	0.001146	5.03	32582.06	3198.82	0.23
Gila	Lower Gila	198.54	100_year	Preproj	227000.00	922.67	937.93	932.60	938.68	0.001396	5.67	35808.79	3213.70	0.28
Gila	Lower Gila	198.54	100_year	TRWithprj	227000.00	917.40	936.40	931.47	937.03	0.001126	5.77	36027.45	3204.96	0.26
Gila	Lower Gila	198.54	100_year	Preproj_Design	227000.00	922.67	937.93	932.60	938.68	0.001396	5.67	35808.79	3213.70	0.28
Gila	Lower Gila	198.54	100_year	Withprj_Design	227000.00	917.40	936.40	931.47	937.03	0.001126	5.77	36027.45	3204.96	0.26
Gila	Lower Gila	198.54	Typ Peak_year	Preproj	6700.00	922.67	928.43	925.20	928.47	0.002158	1.68	3992.59	2124.19	0.15
Gila	Lower Gila	198.54	Typ Peak_year	TRWithprj	6700.00	917.40	924.04	919.73	924.09	0.001955	1.63	4108.26	1628.34	0.14
Gila	Lower Gila	198.54	Typ Peak_year	Preproj_Design	6700.00	922.67	928.43	925.20	928.47	0.002158	1.68	3992.59	2124.19	0.15
Gila	Lower Gila	198.54	Typ Peak_year	Withprj_Design	6700.00	917.40	924.04	919.73	924.09	0.001955	1.63	4108.26	1628.34	0.14
Gila	Lower Gila	198.49	5_year	Preproj	23500.00	922.46	931.17	926.50	931.36	0.006096	3.48	6754.82	2216.84	0.23
Gila	Lower Gila	198.49	5_year	TRWithprj	23500.00	916.92	927.75	922.27	927.90	0.003044	3.07	7665.76	2025.40	0.19
Gila	Lower Gila	198.49	5_year	Preproj_Design	23500.00	922.46	931.17	926.50	931.36	0.006096	3.48	6754.82	2216.84	0.23
Gila	Lower Gila	198.49	5_year	Withprj_Design	23500.00	916.92	927.75	922.27	927.90	0.003044	3.07	7665.76	2025.40	0.19
Gila	Lower Gila	198.49	10_year	Preproj	57000.00	922.46	931.80	928.76	932.46	0.004004	3.52	12446.67	2301.60	0.22
Gila	Lower Gila	198.49	10_year	TRWithprj	57000.00	916.92	931.23	924.53	931.49	0.001780	3.41	15512.09	2250.68	0.18
Gila	Lower Gila	198.49	10_year	Preproj_Design	57000.00	922.46	931.80	928.76	932.46	0.004004	3.52	12446.67	2301.60	0.22
Gila	Lower Gila	198.49	10_year	Withprj_Design	57000.00	916.92	931.23	924.53	931.49	0.001780	3.41	15512.09	2250.68	0.18
Gila	Lower Gila	198.49	20_year	Preproj	92000.00	922.46	932.07	930.65	932.84	0.001973	3.14	17530.27	2367.57	0.20
Gila	Lower Gila	198.49	20_year	TRWithprj	92000.00	916.92	931.86	926.36	932.26	0.001180	3.47	21139.64	2321.91	0.18
Gila	Lower Gila	198.49	20_year	Preproj_Design	92000.00	922.46	932.07	930.65	932.84	0.001973	3.14	17530.27	2367.57	0.20
Gila	Lower Gila	198.49	20_year	Withprj_Design	92000.00	916.92	931.86	926.36	932.26	0.001180	3.47	21139.64	2321.91	0.18
Gila	Lower Gila	198.49	50_year	Preproj	185000.00	922.46	936.12	931.86	936.95	0.001847	4.94	29346.13	3150.81	0.25
Gila	Lower Gila	198.49	50_year	TRWithprj	185000.00	916.92	934.82	930.30	935.49	0.001720	5.97	29409.30	3108.85	0.27
Gila	Lower Gila	198.49	50_year	Preproj_Design	185000.00	922.46	936.12	931.86	936.95	0.001847	4.94	29346.13	3150.81	0.25
Gila	Lower Gila	198.49	50_year	Withprj_Design	185000.00	916.92	934.82	930.30	935.49	0.001720	5.97	29409.30	3108.85	0.27
Gila	Lower Gila	198.49	100_year	Preproj	227000.00	922.46	937.38	931.90	938.30	0.001652	5.60	33335.57	3157.15	0.27
Gila	Lower Gila	198.49	100_year	TRWithprj	227000.00	916.92	935.88	931.20	936.68	0.001632	6.77	32726.54	3146.98	0.30
Gila	Lower Gila	198.49	100_year	Preproj_Design	227000.00	922.46	937.38	931.90	938.30	0.001652	5.60	33335.57	3157.15	0.27
Gila	Lower Gila	198.49	100_year	Withprj_Design	227000.00	916.92	935.88	931.20	936.68	0.001632	6.77	32726.54	3146.98	0.30
Gila	Lower Gila	198.49	Typ Peak_year	Preproj	6700.00	922.46	927.71	924.79	927.76	0.004202	1.89	3552.20	1991.92	0.17
Gila	Lower Gila	198.49	Typ Peak_year	TRWithprj	6700.00	916.92	923.45	919.34	923.51	0.002950	1.88	3559.08	1600.84	0.17
Gila	Lower Gila	198.49	Typ Peak_year	Preproj_Design	6700.00	922.46	927.71	924.79	927.76	0.004202	1.89	3552.20	1991.92	0.17
Gila	Lower Gila	198.49	Typ Peak_year	Withprj_Design	6700.00	916.92	923.45	919.34	923.51	0.002950	1.88	3559.08	1600.84	0.17
Gila	Lower Gila	198.45	5_year	Preproj	23500.00	922.19	929.78	926.42	930.06	0.004200	4.20	5597.24	1682.31	0.30
Gila	Lower Gila	198.45	5_year	TRWithprj	23500.00	916.48	926.98	921.46	927.13	0.002909	3.14	7481.67	1655.07	0.20
Gila	Lower Gila	198.45	5_year	Preproj_Design	23500.00	922.19	929.78	926.42	930.06	0.004200	4.20	5597.24	1682.31	0.30
Gila	Lower Gila	198.45	5_year	Withprj_Design	23500.00	916.48	926.98	921.46	927.13	0.002909	3.14	7481.67	1655.07	0.20
Gila	Lower Gila	198.45	10_year	Preproj	57000.00	922.19	930.28	928.64	931.52	0.009500	7.63	7226.30	1729.11	0.53
Gila	Lower Gila	198.45	10_year	TRWithprj	57000.00	916.48	930.47	923.85	930.86	0.003436	5.01	11423.00	1783.73	0.26
Gila	Lower Gila	198.45	10_year	Preproj_Design	57000.00	922.19	930.28	928.64	931.52	0.009500	7.63	7226.30	1729.11	0.53
Gila	Lower Gila	198.45	10_year	Withprj_Design	57000.00	916.48	930.47	923.85	930.86	0.003436	5.01	11423.00	1783.73	0.26
Gila	Lower Gila	198.45	20_year	Preproj	92000.00	922.19	931.24	930.06	932.30	0.001991	4.50	13738.73	1774.81	0.29
Gila	Lower Gila	198.45	20_year	TRWithprj	92000.00	916.48	930.64	925.70	931.62	0.005971	7.99	11616.45	1793.31	0.42
Gila	Lower Gila	198.45	20_year	Preproj_Design	92000.00	922.19	931.24	930.06	932.30	0.001991	4.50	13738.73	1774.81	0.29
Gila	Lower Gila	198.45	20_year	Withprj_Design	92000.00	916.48	930.64	925.70	931.62	0.005971	7.99	11616.45	1793.31	0.42
Gila	Lower Gila	198.45	50_year	Preproj	185000.00	922.19	935.39	931.29	936.40	0.002362	7.59	24034.49	3043.50	0.40
Gila	Lower Gila	198.45	50_year	TRWithprj	185000.00	916.48	934.05	929.86	934.97	0.002172	7.04	24746.26	2969.41	0.33
Gila	Lower Gila	198.45	50_year	Preproj_Design	185000.00	922.19	935.39	931.29	936.40	0.002362	7.59	24034.49	3043.50	0.40
Gila	Lower Gila	198.45	50_year	Withprj_Design	185000.00	916.48	934.05	929.86	934.97	0.002172	7.04	24746.26	2969.41	0.33
Gila	Lower Gila	198.45	100_year	Preproj	227000.00	922.19	936.66	933.44	937.80	0.002074	8.19	27920.51	3055.54	0.41
Gila	Lower Gila	198.45	100_year	TRWithprj	227000.00	916.48	935.10	930.71	936.16	0.002279	8.41	27909.44	3024.96	0.38
Gila	Lower Gila	198.45	100_year	Preproj_Design	227000.00	922.19	936.66	933.44	937.80	0.002074	8.19	27920.51	3055.54	0.41
Gila	Lower Gila	198.45	100_year	Withprj_Design	227000.00	916.48	935.10	930.71	936.16	0.002279	8.41	27909.44	3024.96	0.38
Gila	Lower Gila	198.45	Typ Peak_year	Preproj	6700.00	922.19	926.62	924.55	926.72	0.003908	2.49	2686.58	1610.19	0.26
Gila	Lower Gila	198.45	Typ Peak_year	TRWithprj	6700.00	916.48	922.72	918.51	922.78	0.002764	1.91	3507.13	1386.95	0.17
Gila	Lower Gila	198.45	Typ Peak_year	Preproj_Design	6700.00	922.19	926.62	924.55	926.72	0.003908	2.49	2686.58	1610.19	0.26
Gila	Lower Gila	198.45	Typ Peak_year	Withprj_Design	6700.00	916.48	922.72	918.51	922.78	0.002764	1.91	3507.13	1386.95	0.17
Gila	Lower Gila	198.4	5_year	Preproj	23500.00	922.23	928.91	926.28	929.31	0.001290	5.05	4649.28	1493.00	0.38
Gila	Lower Gila	198.4	5_year	TRWithprj	23500.00	916.20	925.86	920.77	926.05	0.003305	3.53	6648.39	1482.11	0.23
Gila	Lower Gila	198.4	5_year	Preproj_Design	23500.00	922.23	928.91	926.28	929.31	0.001290	5.05	4649.28	1493.00	0.38
Gila	Lower Gila	198.4	5_year	Withprj_Design	23500.00	916.20	925.86	920.77	926.05	0.003305	3.53	6648.39	1482.11	0.23
Gila	Lower Gila	198.4	10_year	Preproj	57000.00	922.23	929.96	928.65	930.46	0.001087	5.15	10502.11	1582.48	0.36
Gila	Lower Gila	198.4	10_year	TRWithprj	57000.00	916.20	929.34	923.33	929.84	0.002470	4.40	11619.94	1568.43	0.24
Gila	Lower Gila	198.4	10_year	Preproj_Design	57000.00	922.23	929.96	928.65	930.46	0.001087	5.15	10502.11	1582.48	0.36
Gila	Lower Gila	198.4	10_year	Withprj_Design	57000.00	916.20	929.34	923.33	929.84	0.002470	4.40	11619.94	1568.43	0.24
Gila	Lower Gila	198.4	20_year	Preproj	92000.00	922.23	930.42	929.44	931.55	0.002286	7.80	11249.52	1630.91	0.52
Gila	Lower Gila	198.4	20_year	TRWithprj	92000.00	916.20	929.94	925.28	930.65	0.002117	4.98	15278.13	1642.17	0.26
Gila	Lower Gila	198.4	20_year	Preproj_Design	92000.00	922.23	930.42	929.44	931.55	0.002286	7.80	11249.52	1630.91	0.52
Gila	Lower Gila	198.4	20_year	Withprj_Design	92000.00	916.20	929.94	925.28	930.65	0.002117	4.98	15278.13	1642.17	0.26
Gila	Lower Gila	198.4	50_year	Preproj	185000.00	922.23	933.50	931.22	935.41	0.002886	10.61	17339.90	2640.80	0.63
Gila	Lower Gila	198.4	50_year	TRWithprj	185000.00	916.20	932.37	929.03	933.98	0.003360	8.09	19628.69	2046.52	0.40
Gila	Lower Gila	198.4	50_year	Preproj_Design	185000.00	922.23	933.50	931.22	935.41	0.002886	10.61	17339.90	2640.80	0.63
Gila	Lower Gila	198.4	50_year	Withprj_Design	185000.00	916.20	932.37	929.03	933.98	0.003360	8.09	19628.69	2046.52	0.40
Gila	Lower Gila	198.4	100_year	Preproj	227000.00	922.23	934.64	932.98	936.76	0.003654	12.81	20610.71	3028.78	0.71
Gila	Lower Gila	198.4	100_year	TRWithprj	227000.00	916.20	933.27	929.90	935.12	0.003476	9.44	21684.47	2541.93	0.46
Gila	Lower Gila	198.4	100_year	Preproj_Design	227000.00	922.23	934.64	932.98	936.76	0.003654	12.81	20610.71	3028.78	0.71
Gila	Lower Gila	198.4	100_year	Withprj_Design	227000.00	916.20	933.27	929.90	935.12	0.003476	9.44	21684.47	2541.93	0.46
Gila	Lower Gila	198.4	Typ Peak_year	Preproj	6700.00	922.23	925.83	924.38	926.00	0.001267	3.26	2056.42	1415.27	0.36
Gila	Lower Gila	198.4	Typ Peak_year	TRWithprj	6700.00	916.20	921.64	918.08	921.72	0.003405	2.22	3012.43	1039.01	0.20

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	198.4	Typ Peak_year	Preproj_Design	6700.00	922.23	925.83	924.38	926.00	0.001267	3.26	2056.42	1415.27	0.36
Gila	Lower Gila	198.4	Typ Peak_year	Withprj_Design	6700.00	916.20	921.64	918.08	921.72	0.003405	2.22	3012.43	1039.01	0.20
Gila	Lower Gila	198.33	5_year	Preproj	23500.00	920.97	928.43	925.51	928.77	0.001445	4.62	5082.34	2181.74	0.35
Gila	Lower Gila	198.33	5_year	TRWithprj	23500.00	914.92	924.88	919.55	925.02	0.002198	2.97	7917.04	1898.31	0.19
Gila	Lower Gila	198.33	5_year	Preproj_Design	23500.00	920.97	928.43	925.51	928.77	0.001445	4.62	5082.34	2181.74	0.35
Gila	Lower Gila	198.33	5_year	Withprj_Design	23500.00	914.92	924.88	919.55	925.02	0.002198	2.97	7917.04	1898.31	0.19
Gila	Lower Gila	198.33	10_year	Preproj	57000.00	920.97	929.00	927.85	929.84	0.002366	6.29	8416.32	2270.09	0.46
Gila	Lower Gila	198.33	10_year	TRWithprj	57000.00	914.92	928.38	921.77	928.75	0.003089	4.89	11656.53	2320.73	0.26
Gila	Lower Gila	198.33	10_year	Preproj_Design	57000.00	920.97	929.00	927.85	929.84	0.002366	6.29	8416.32	2270.09	0.46
Gila	Lower Gila	198.33	10_year	Withprj_Design	57000.00	914.92	928.38	921.77	928.75	0.003089	4.89	11656.53	2320.73	0.26
Gila	Lower Gila	198.33	20_year	Preproj	92000.00	920.97	929.27	928.80	930.56	0.002968	7.33	10937.14	2304.36	0.52
Gila	Lower Gila	198.33	20_year	TRWithprj	92000.00	914.92	928.99	923.51	929.75	0.002632	5.47	15106.82	2408.55	0.29
Gila	Lower Gila	198.33	20_year	Preproj_Design	92000.00	920.97	929.27	928.80	930.56	0.002968	7.33	10937.14	2304.36	0.52
Gila	Lower Gila	198.33	20_year	Withprj_Design	92000.00	914.92	928.99	923.51	929.75	0.002632	5.47	15106.82	2408.55	0.29
Gila	Lower Gila	198.33	50_year	Preproj	185000.00	920.97	932.83	930.12	934.23	0.002531	8.85	21746.63	3344.22	0.51
Gila	Lower Gila	198.33	50_year	TRWithprj	185000.00	914.92	931.77	927.28	932.82	0.002062	6.87	25736.54	3048.45	0.32
Gila	Lower Gila	198.33	50_year	Preproj_Design	185000.00	920.97	932.83	930.12	934.23	0.002531	8.85	21746.63	3344.22	0.51
Gila	Lower Gila	198.33	50_year	Withprj_Design	185000.00	914.92	931.77	927.28	932.82	0.002062	6.87	25736.54	3048.45	0.32
Gila	Lower Gila	198.33	100_year	Preproj	227000.00	920.97	933.95	931.51	935.42	0.002517	9.61	25151.49	3903.50	0.52
Gila	Lower Gila	198.33	100_year	TRWithprj	227000.00	914.92	932.78	928.41	933.92	0.002004	7.95	28698.89	3335.05	0.36
Gila	Lower Gila	198.33	100_year	Preproj_Design	227000.00	920.97	933.95	931.51	935.42	0.002517	9.61	25151.49	3903.50	0.52
Gila	Lower Gila	198.33	100_year	Withprj_Design	227000.00	914.92	932.78	928.41	933.92	0.002004	7.95	28698.89	3335.05	0.36
Gila	Lower Gila	198.33	Typ Peak_year	Preproj	6700.00	920.97	925.38	923.79	925.51	0.001229	2.87	2336.65	1761.39	0.30
Gila	Lower Gila	198.33	Typ Peak_year	TRWithprj	6700.00	914.92	920.62	916.81	920.67	0.002206	1.90	3530.19	1345.38	0.18
Gila	Lower Gila	198.33	Typ Peak_year	Preproj_Design	6700.00	920.97	925.38	923.79	925.51	0.001229	2.87	2336.65	1761.39	0.30
Gila	Lower Gila	198.33	Typ Peak_year	Withprj_Design	6700.00	914.92	920.62	916.81	920.67	0.002206	1.90	3530.19	1345.38	0.18
Gila	Lower Gila	198.26	5_year	Preproj	23500.00	919.07	927.92	925.21	928.31	0.001602	5.02	4682.69	2987.78	0.39
Gila	Lower Gila	198.26	5_year	TRWithprj	23500.00	914.13	924.20	918.87	924.33	0.002476	2.92	8042.65	2623.13	0.19
Gila	Lower Gila	198.26	5_year	Preproj_Design	23500.00	919.07	927.92	925.21	928.31	0.001602	5.02	4682.69	2987.78	0.39
Gila	Lower Gila	198.26	5_year	Withprj_Design	23500.00	914.13	924.20	918.87	924.33	0.002476	2.92	8042.65	2623.13	0.19
Gila	Lower Gila	198.26	10_year	Preproj	57000.00	919.07	928.32	927.75	929.06	0.002754	6.92	8565.11	3049.07	0.52
Gila	Lower Gila	198.26	10_year	TRWithprj	57000.00	914.13	927.40	921.09	927.78	0.003569	4.95	11536.45	3120.78	0.27
Gila	Lower Gila	198.26	10_year	Preproj_Design	57000.00	919.07	928.32	927.75	929.06	0.002754	6.92	8565.11	3049.07	0.52
Gila	Lower Gila	198.26	10_year	Withprj_Design	57000.00	914.13	927.40	921.09	927.78	0.003569	4.95	11536.45	3120.78	0.27
Gila	Lower Gila	198.26	20_year	Preproj	92000.00	919.07	929.22	928.01	929.77	0.001341	5.33	15909.53	3218.48	0.37
Gila	Lower Gila	198.26	20_year	TRWithprj	92000.00	914.13	928.39	922.81	928.97	0.003206	5.84	16172.65	3240.42	0.30
Gila	Lower Gila	198.26	20_year	Preproj_Design	92000.00	919.07	929.22	928.01	929.77	0.001341	5.33	15909.53	3218.48	0.37
Gila	Lower Gila	198.26	20_year	Withprj_Design	92000.00	914.13	928.39	922.81	928.97	0.003206	5.84	16172.65	3240.42	0.30
Gila	Lower Gila	198.26	50_year	Preproj	185000.00	919.07	932.66	929.04	933.49	0.001482	7.34	25673.41	4249.19	0.42
Gila	Lower Gila	198.26	50_year	TRWithprj	185000.00	914.13	931.53	926.49	932.19	0.001489	5.78	30016.97	3892.64	0.27
Gila	Lower Gila	198.26	50_year	Preproj_Design	185000.00	919.07	932.66	929.04	933.49	0.001482	7.34	25673.41	4249.19	0.42
Gila	Lower Gila	198.26	50_year	Withprj_Design	185000.00	914.13	931.53	926.49	932.19	0.001489	5.78	30016.97	3892.64	0.27
Gila	Lower Gila	198.26	100_year	Preproj	227000.00	919.07	933.71	929.19	934.69	0.001598	8.23	29106.95	5233.02	0.44
Gila	Lower Gila	198.26	100_year	TRWithprj	227000.00	914.13	932.53	927.81	933.30	0.001468	6.78	33145.70	4221.55	0.30
Gila	Lower Gila	198.26	100_year	Preproj_Design	227000.00	919.07	933.71	929.19	934.69	0.001598	8.23	29106.95	5233.02	0.44
Gila	Lower Gila	198.26	100_year	Withprj_Design	227000.00	914.13	932.53	927.81	933.30	0.001468	6.78	33145.70	4221.55	0.30
Gila	Lower Gila	198.26	Typ Peak_year	Preproj	6700.00	919.07	925.02	922.93	925.17	0.001103	3.06	2191.45	2377.98	0.31
Gila	Lower Gila	198.26	Typ Peak_year	TRWithprj	6700.00	914.13	919.91	916.02	919.97	0.002617	1.90	3521.11	1959.26	0.18
Gila	Lower Gila	198.26	Typ Peak_year	Preproj_Design	6700.00	919.07	925.02	922.93	925.17	0.001103	3.06	2191.45	2377.98	0.31
Gila	Lower Gila	198.26	Typ Peak_year	Withprj_Design	6700.00	914.13	919.91	916.02	919.97	0.002617	1.90	3521.11	1959.26	0.18
Gila	Lower Gila	198.2	5_year	Preproj	23500.00	917.83	926.94	924.49	927.41	0.007264	5.48	4291.24	3004.34	0.46
Gila	Lower Gila	198.2	5_year	TRWithprj	23500.00	913.48	923.43	918.36	923.56	0.002624	2.85	8246.92	2775.33	0.19
Gila	Lower Gila	198.2	5_year	Preproj_Design	23500.00	917.83	926.94	924.49	927.41	0.007264	5.48	4291.24	3004.34	0.46
Gila	Lower Gila	198.2	5_year	Withprj_Design	23500.00	913.48	923.43	918.36	923.56	0.002624	2.85	8246.92	2775.33	0.19
Gila	Lower Gila	198.2	10_year	Preproj	57000.00	917.83	928.27	927.00	928.51	0.000695	2.08	16132.85	3197.15	0.16
Gila	Lower Gila	198.2	10_year	TRWithprj	57000.00	913.48	926.26	920.43	926.64	0.004002	4.95	11525.85	3092.64	0.28
Gila	Lower Gila	198.2	10_year	Preproj_Design	57000.00	917.83	928.27	927.00	928.51	0.000695	2.08	16132.85	3197.15	0.16
Gila	Lower Gila	198.2	10_year	Withprj_Design	57000.00	913.48	926.26	920.43	926.64	0.004002	4.95	11525.85	3092.64	0.28
Gila	Lower Gila	198.2	20_year	Preproj	92000.00	917.83	928.82	927.01	929.32	0.001322	3.51	17570.84	3262.35	0.25
Gila	Lower Gila	198.2	20_year	TRWithprj	92000.00	913.48	927.72	922.06	928.11	0.002098	4.59	19014.95	3307.28	0.24
Gila	Lower Gila	198.2	20_year	Preproj_Design	92000.00	917.83	928.82	927.01	929.32	0.001322	3.51	17570.84	3262.35	0.25
Gila	Lower Gila	198.2	20_year	Withprj_Design	92000.00	913.48	927.72	922.06	928.11	0.002098	4.59	19014.95	3307.28	0.24
Gila	Lower Gila	198.2	50_year	Preproj	185000.00	917.83	932.29	928.15	932.99	0.001402	5.52	28192.82	5266.16	0.32
Gila	Lower Gila	198.2	50_year	TRWithprj	185000.00	913.48	931.20	925.60	931.70	0.001309	5.25	32917.02	4248.86	0.24
Gila	Lower Gila	198.2	50_year	Preproj_Design	185000.00	917.83	932.29	928.15	932.99	0.001402	5.52	28192.82	5266.16	0.32
Gila	Lower Gila	198.2	50_year	Withprj_Design	185000.00	913.48	931.20	925.60	931.70	0.001309	5.25	32917.02	4248.86	0.24
Gila	Lower Gila	198.2	100_year	Preproj	227000.00	917.83	933.34	928.54	934.14	0.001443	6.40	31890.58	5421.35	0.35
Gila	Lower Gila	198.2	100_year	TRWithprj	227000.00	913.48	932.21	927.01	932.81	0.001332	6.22	36344.89	5247.77	0.28
Gila	Lower Gila	198.2	100_year	Preproj_Design	227000.00	917.83	933.34	928.54	934.14	0.001443	6.40	31890.58	5421.35	0.35
Gila	Lower Gila	198.2	100_year	Withprj_Design	227000.00	913.48	932.21	927.01	932.81	0.001332	6.22	36344.89	5247.77	0.28
Gila	Lower Gila	198.2	Typ Peak_year	Preproj	6700.00	917.83	924.49	922.46	924.62	0.003361	2.95	2269.60	2436.65	0.28
Gila	Lower Gila	198.2	Typ Peak_year	TRWithprj	6700.00	913.48	918.84	915.57	918.91	0.004910	2.16	3097.60	1750.60	0.22
Gila	Lower Gila	198.2	Typ Peak_year	Preproj_Design	6700.00	917.83	924.49	922.46	924.62	0.003361	2.95	2269.60	2436.65	0.28
Gila	Lower Gila	198.2	Typ Peak_year	Withprj_Design	6700.00	913.48	918.84	915.57	918.91	0.004910	2.16	3097.60	1750.60	0.22
Gila	Lower Gila	198.15	5_year	Preproj	23500.00	918.06	926.04	924.29	926.56	0.006191	5.81	4042.46	2910.12	0.53
Gila	Lower Gila	198.15	5_year	TRWithprj	23500.00	912.79	923.02	917.98	923.16	0.000589	2.94	7989.37	2644.14	0.19
Gila	Lower Gila	198.15	5_year	Preproj_Design	23500.00	918.06	926.04	924.29	926.56	0.006191	5.81	4042.46	2910.12	0.53
Gila	Lower Gila	198.15	5_year	Withprj_Design	23500.00	912.79	923.02	917.98	923.16	0.000589	2.94	7989.37	2644.14	0.19
Gila	Lower Gila	198.15	10_year	Preproj	57000.00	918.06	927.09	926.08	927.93	0.003196	5.00	8763.41	3018.86	0.41
Gila	Lower Gila	198.15	10_year	TRWithprj	57000.00	912.79	925.41	920.08	925.82	0.001380	5.22	11596.73	2945.20	0.30
Gila	Lower Gila	198.15	10_year	Preproj_Design	57000.00	918.06	927.09	926.08	927.93	0.003196	5.00	8763.41	3018.86	0.41
Gila	Lower Gila	198.15	10_year	Withprj_Design	57000.00	912.79	925.41	920.08	925.82	0.001380	5.22	11596.73	2945.20	0.30
Gila	Lower Gila	198.15	20_year	Preproj	92000.00	918.06	928.56	926.85	928.88	0.000700	3.08	21251.87	3206.82	0.22
Gila	Lower Gila	198.15	20_year	TRWithprj	92000.00	912.79	927.38	921.75	927.65	0.000648	4.06	23036.70	3153.55	0.22
Gila	Lower Gila	198.15	20_year	Preproj_Design	92000.00	918.06	928.56	926.85	928.88	0.000700	3.08	21251.87	3206.82	0.22
Gila	Lower Gila	198.15	20_year	Withprj_Design	92000.00	912.79	927.38	921.75	927.65	0.000648	4.06	23036.70	3153.55	0.22
Gila	Lower Gila	198.15	50_year	Preproj	185000.00	918.06	932.00	927.25	932.51	0.000798	4.83	32718.85	3921.58	0.28
Gila	Lower Gila	198.15	50_year	TRWithprj	185000.00	912.79	930.89	925.51	931.30	0.000710	5.15	36470.48	3742.50	0.24
Gila	Lower Gila	198.15	50_year	Preproj_Design	185000.00	918.06	932.00	927.25	932.51	0.000798	4.83	32718.85	3921.58	0.28
Gila	Lower Gila	198.15	50_year	Withprj_Design	185000.00	912.79	930.89	925.51	931.30	0.000710	5.15	36470.48	3742.50	0.24
Gila	Lower Gila	198.15	100_year	Preproj	227000.00	918.06	933.03	927.62	933.65	0.000859	5.60	36521.32	8036.04	0.30
Gila	Lower Gila	198.15	100_year	TRWithprj	227000.00	912.79	931.87	926.15	932.38	0.000800	5.90	39941.05	3919.49	0.27
Gila	Lower Gila	198.15	100_year	Preproj_Design	227000.00	918.06	933.03	927.62	933.65	0.000859	5.60	36521.32	8036.04	0.30
Gila	Lower Gila	198.15	100_year	Withprj_Design	227000.00	912.79	931.87	926.15	932.38	0.000800	5.90	39941.05	3919.49	0.27
Gila	Lower Gila	198.15	Typ Peak_year	Preproj	6700.00	918.06	922.80	921.77	923.18	0.004434	4.97	1347.43	2108.97	0.57

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	198.15	Typ Peak_year	TRWithprj	6700.00	912.79	918.37	915.14	918.44	0.000567	2.26	2958.19	2144.78	0.23
Gila	Lower Gila	198.15	Typ Peak_year	Preproj_Design	6700.00	918.06	922.80	921.77	923.18	0.004434	4.97	1347.43	2108.97	0.57
Gila	Lower Gila	198.15	Typ Peak_year	Withprj_Design	6700.00	912.79	918.37	915.14	918.44	0.000567	2.26	2958.19	2144.78	0.23
Gila	Lower Gila	198.08	5_year	Preproj	23500.00	917.90	925.09	923.16	925.68	0.002336	6.18	3801.90	2295.58	0.52
Gila	Lower Gila	198.08	5_year	TRWithprj	23500.00	911.94	922.64	917.75	922.85	0.003953	3.75	6488.56	1881.82	0.24
Gila	Lower Gila	198.08	5_year	Preproj_Design	23500.00	917.90	925.09	923.16	925.68	0.002336	6.18	3801.90	2295.58	0.52
Gila	Lower Gila	198.08	5_year	Withprj_Design	23500.00	911.94	922.64	917.75	922.85	0.003953	3.75	6488.56	1881.82	0.24
Gila	Lower Gila	198.08	10_year	Preproj	57000.00	917.90	926.49	925.21	927.19	0.002494	6.95	8791.81	2708.86	0.55
Gila	Lower Gila	198.08	10_year	TRWithprj	57000.00	911.94	924.21	920.27	925.07	0.009835	7.49	7937.60	2203.38	0.44
Gila	Lower Gila	198.08	10_year	Preproj_Design	57000.00	917.90	926.49	925.21	927.19	0.002494	6.95	8791.81	2708.86	0.55
Gila	Lower Gila	198.08	10_year	Withprj_Design	57000.00	911.94	924.21	920.27	925.07	0.009835	7.49	7937.60	2203.38	0.44
Gila	Lower Gila	198.08	20_year	Preproj	92000.00	917.90	928.12	926.16	928.63	0.001268	5.91	16912.21	2946.28	0.41
Gila	Lower Gila	198.08	20_year	TRWithprj	92000.00	911.94	926.67	922.38	927.28	0.004650	6.89	15746.01	2746.21	0.36
Gila	Lower Gila	198.08	20_year	Preproj_Design	92000.00	917.90	928.12	926.16	928.63	0.001268	5.91	16912.21	2946.28	0.41
Gila	Lower Gila	198.08	20_year	Withprj_Design	92000.00	911.94	926.67	922.38	927.28	0.004650	6.89	15746.01	2746.21	0.36
Gila	Lower Gila	198.08	50_year	Preproj	185000.00	917.90	931.50	927.47	932.25	0.001201	7.53	28655.03	4367.19	0.42
Gila	Lower Gila	198.08	50_year	TRWithprj	185000.00	911.94	930.48	925.21	931.02	0.001769	6.52	31874.40	3856.71	0.29
Gila	Lower Gila	198.08	50_year	Preproj_Design	185000.00	917.90	931.50	927.47	932.25	0.001201	7.53	28655.03	4367.19	0.42
Gila	Lower Gila	198.08	50_year	Withprj_Design	185000.00	911.94	930.48	925.21	931.02	0.001769	6.52	31874.40	3856.71	0.29
Gila	Lower Gila	198.08	100_year	Preproj	227000.00	917.90	932.48	928.24	933.36	0.001266	8.24	32418.35	8425.02	0.44
Gila	Lower Gila	198.08	100_year	TRWithprj	227000.00	911.94	931.41	926.67	932.09	0.001682	7.48	35423.57	4239.26	0.33
Gila	Lower Gila	198.08	100_year	Preproj_Design	227000.00	917.90	932.48	928.24	933.36	0.001266	8.24	32418.35	8425.02	0.44
Gila	Lower Gila	198.08	100_year	Withprj_Design	227000.00	911.94	931.41	926.67	932.09	0.001682	7.48	35423.57	4239.26	0.33
Gila	Lower Gila	198.08	Typ Peak_year	Preproj	6700.00	917.90	922.10	920.69	922.38	0.002369	4.23	1582.79	1401.40	0.47
Gila	Lower Gila	198.08	Typ Peak_year	TRWithprj	6700.00	911.94	918.02	914.69	918.13	0.005333	2.64	2538.49	1249.79	0.26
Gila	Lower Gila	198.08	Typ Peak_year	Preproj_Design	6700.00	917.90	922.10	920.69	922.38	0.002369	4.23	1582.79	1401.40	0.47
Gila	Lower Gila	198.08	Typ Peak_year	Withprj_Design	6700.00	911.94	918.02	914.69	918.13	0.005333	2.64	2538.49	1249.79	0.26
Gila	Lower Gila	198.03	5_year	Preproj	23500.00	917.47	923.66	922.76	924.78	0.004866	8.51	2763.01	2291.97	0.74
Gila	Lower Gila	198.03	5_year	TRWithprj	23500.00	911.26	921.75	916.55	921.99	0.002794	3.93	5984.20	2072.44	0.25
Gila	Lower Gila	198.03	5_year	Preproj_Design	23500.00	917.47	923.66	922.76	924.78	0.004866	8.51	2763.01	2291.97	0.74
Gila	Lower Gila	198.03	5_year	Withprj_Design	23500.00	911.26	921.75	916.55	921.99	0.002794	3.93	5984.20	2072.44	0.25
Gila	Lower Gila	198.03	10_year	Preproj	57000.00	917.47	926.37	924.01	926.71	0.000943	4.14	14340.85	3072.56	0.34
Gila	Lower Gila	198.03	10_year	TRWithprj	57000.00	911.26	923.88	919.35	924.09	0.001461	3.22	15816.11	2683.17	0.18
Gila	Lower Gila	198.03	10_year	Preproj_Design	57000.00	917.47	926.37	924.01	926.71	0.000943	4.14	14340.85	3072.56	0.34
Gila	Lower Gila	198.03	10_year	Withprj_Design	57000.00	911.26	923.88	919.35	924.09	0.001461	3.22	15816.11	2683.17	0.18
Gila	Lower Gila	198.03	20_year	Preproj	92000.00	917.47	927.93	924.07	928.32	0.000915	4.87	20225.85	3280.39	0.35
Gila	Lower Gila	198.03	20_year	TRWithprj	92000.00	911.26	926.38	921.54	926.61	0.001218	3.34	24999.49	3101.99	0.18
Gila	Lower Gila	198.03	20_year	Preproj_Design	92000.00	917.47	927.93	924.07	928.32	0.000915	4.87	20225.85	3280.39	0.35
Gila	Lower Gila	198.03	20_year	Withprj_Design	92000.00	911.26	926.38	921.54	926.61	0.001218	3.34	24999.49	3101.99	0.18
Gila	Lower Gila	198.03	50_year	Preproj	185000.00	917.47	931.32	926.80	931.94	0.000903	6.45	32552.91	4396.88	0.37
Gila	Lower Gila	198.03	50_year	TRWithprj	185000.00	911.26	930.23	921.95	930.62	0.001095	5.07	37951.80	3772.63	0.23
Gila	Lower Gila	198.03	50_year	Preproj_Design	185000.00	917.47	931.32	926.80	931.94	0.000903	6.45	32552.91	4396.88	0.37
Gila	Lower Gila	198.03	50_year	Withprj_Design	185000.00	911.26	930.23	921.95	930.62	0.001095	5.07	37951.80	3772.63	0.23
Gila	Lower Gila	198.03	100_year	Preproj	227000.00	917.47	932.30	927.29	933.02	0.000971	7.14	36499.82	8737.72	0.39
Gila	Lower Gila	198.03	100_year	TRWithprj	227000.00	911.26	931.20	922.81	931.69	0.001050	6.02	41751.97	4347.46	0.27
Gila	Lower Gila	198.03	100_year	Preproj_Design	227000.00	917.47	932.30	927.29	933.02	0.000971	7.14	36499.82	8737.72	0.39
Gila	Lower Gila	198.03	100_year	Withprj_Design	227000.00	911.26	931.20	922.81	931.69	0.001050	6.02	41751.97	4347.46	0.27
Gila	Lower Gila	198.03	Typ Peak_year	Preproj	6700.00	917.47	921.25	920.41	921.65	0.003327	5.03	1332.14	1435.83	0.56
Gila	Lower Gila	198.03	Typ Peak_year	TRWithprj	6700.00	911.26	917.02	913.52	917.13	0.002912	2.63	2543.85	1334.43	0.24
Gila	Lower Gila	198.03	Typ Peak_year	Preproj_Design	6700.00	917.47	921.25	920.41	921.65	0.003327	5.03	1332.14	1435.83	0.56
Gila	Lower Gila	198.03	Typ Peak_year	Withprj_Design	6700.00	911.26	917.02	913.52	917.13	0.002912	2.63	2543.85	1334.43	0.24
Gila	Lower Gila	197.98	5_year	Preproj	23500.00	915.60	923.08	922.22	923.91	0.004355	7.32	3208.66	2135.70	0.70
Gila	Lower Gila	197.98	5_year	TRWithprj	23500.00	910.63	921.51	916.48	921.76	0.000780	4.08	5764.24	1946.99	0.26
Gila	Lower Gila	197.98	5_year	Preproj_Design	23500.00	915.60	923.08	922.22	923.91	0.004355	7.32	3208.66	2135.70	0.70
Gila	Lower Gila	197.98	5_year	Withprj_Design	23500.00	910.63	921.51	916.48	921.76	0.000780	4.08	5764.24	1946.99	0.26
Gila	Lower Gila	197.98	10_year	Preproj	57000.00	915.60	926.31	923.51	926.57	0.000494	3.23	15337.21	3038.40	0.25
Gila	Lower Gila	197.98	10_year	TRWithprj	57000.00	910.63	923.89	919.32	924.00	0.000188	2.28	22256.10	2664.46	0.13
Gila	Lower Gila	197.98	10_year	Preproj_Design	57000.00	915.60	926.31	923.51	926.57	0.000494	3.23	15337.21	3038.40	0.25
Gila	Lower Gila	197.98	10_year	Withprj_Design	57000.00	910.63	923.89	919.32	924.00	0.000188	2.28	22256.10	2664.46	0.13
Gila	Lower Gila	197.98	20_year	Preproj	92000.00	915.60	927.84	923.50	928.18	0.000580	4.13	22031.86	3495.96	0.28
Gila	Lower Gila	197.98	20_year	TRWithprj	92000.00	910.63	926.34	921.57	926.51	0.000260	3.04	28355.26	3035.97	0.15
Gila	Lower Gila	197.98	20_year	Preproj_Design	92000.00	915.60	927.84	923.50	928.18	0.000580	4.13	22031.86	3495.96	0.28
Gila	Lower Gila	197.98	20_year	Withprj_Design	92000.00	910.63	926.34	921.57	926.51	0.000260	3.04	28355.26	3035.97	0.15
Gila	Lower Gila	197.98	50_year	Preproj	185000.00	915.60	931.25	925.48	931.78	0.000651	5.75	35230.27	4714.74	0.32
Gila	Lower Gila	197.98	50_year	TRWithprj	185000.00	910.63	930.17	921.57	930.50	0.000386	4.43	43745.99	3906.60	0.20
Gila	Lower Gila	197.98	50_year	Preproj_Design	185000.00	915.60	931.25	925.48	931.78	0.000651	5.75	35230.27	4714.74	0.32
Gila	Lower Gila	197.98	50_year	Withprj_Design	185000.00	910.63	930.17	921.57	930.50	0.000386	4.43	43745.99	3906.60	0.20
Gila	Lower Gila	197.98	100_year	Preproj	227000.00	915.60	932.23	926.92	932.85	0.000710	6.39	39367.86	9272.15	0.34
Gila	Lower Gila	197.98	100_year	TRWithprj	227000.00	910.63	931.14	921.57	931.55	0.000447	5.05	47712.01	4688.13	0.22
Gila	Lower Gila	197.98	100_year	Preproj_Design	227000.00	915.60	932.23	926.92	932.85	0.000710	6.39	39367.86	9272.15	0.34
Gila	Lower Gila	197.98	100_year	Withprj_Design	227000.00	910.63	931.14	921.57	931.55	0.000447	5.05	47712.01	4688.13	0.22
Gila	Lower Gila	197.98	Typ Peak_year	Preproj	6700.00	915.60	919.75	919.75	920.64	0.011588	7.54	888.77	1121.34	1.00
Gila	Lower Gila	197.98	Typ Peak_year	TRWithprj	6700.00	910.63	916.83	913.16	916.94	0.000560	2.74	2444.82	1546.07	0.25
Gila	Lower Gila	197.98	Typ Peak_year	Preproj_Design	6700.00	915.60	919.75	919.75	920.64	0.011588	7.54	888.77	1121.34	1.00
Gila	Lower Gila	197.98	Typ Peak_year	Withprj_Design	6700.00	910.63	916.83	913.16	916.94	0.000560	2.74	2444.82	1546.07	0.25
Gila	Lower Gila	197.95	5_year	Preproj	23500.00	912.14	923.19	919.51	923.50	0.000860	4.44	5293.61	2311.63	0.33
Gila	Lower Gila	197.95	5_year	TRWithprj	23500.00	910.21	921.20	916.45	921.51	0.005306	4.43	5310.16	1996.60	0.28
Gila	Lower Gila	197.95	5_year	Preproj_Design	23500.00	912.14	923.19	919.51	923.50	0.000860	4.44	5293.61	2311.63	0.33
Gila	Lower Gila	197.95	5_year	Withprj_Design	23500.00	910.21	921.20	916.45	921.51	0.005306	4.43	5310.16	1996.60	0.28
Gila	Lower Gila	197.95	10_year	Preproj	57000.00	912.14	926.25	922.40	926.48	0.000565	3.98	15267.88	3178.31	0.28
Gila	Lower Gila	197.95	10_year	TRWithprj	57000.00	910.21	923.80	919.38	923.96	0.000293	1.36	21098.70	2700.45	0.08
Gila	Lower Gila	197.95	10_year	Preproj_Design	57000.00	912.14	926.25	922.40	926.48	0.000565	3.98	15267.88	3178.31	0.28
Gila	Lower Gila	197.95	10_year	Withprj_Design	57000.00	910.21	923.80	919.38	923.96	0.000293	1.36	21098.70	2700.45	0.08
Gila	Lower Gila	197.95	20_year	Preproj	92000.00	912.14	927.77	923.51	928.08	0.000618	4.77	22925.60	3432.00	0.30
Gila	Lower Gila	197.95	20_year	TRWithprj	92000.00	910.21	926.21	921.73	926.46	0.000403	1.76	27224.98	3195.61	0.09
Gila	Lower Gila	197.95	20_year	Preproj_Design	92000.00	912.14	927.77	923.51	928.08	0.000618	4.77	22925.60	3432.00	0.30
Gila	Lower Gila	197.95	20_year	Withprj_Design	92000.00	910.21	926.21	921.73	926.46	0.000403	1.76	27224.98	3195.61	0.09
Gila	Lower Gila	197.95	50_year	Preproj	185000.00	912.14	931.17	925.47	931.66	0.000680	6.35	36060.57	4689.00	0.34
Gila	Lower Gila	197.95	50_year	TRWithprj	185000.00	910.21	930.05	922.21	930.42	0.000500	3.15	43381.47	3995.56	0.14
Gila	Lower Gila	197.95	50_year	Preproj_Design	185000.00	912.14	931.17	925.47	931.66	0.000680	6.35	36060.57	4689.00	0.34
Gila	Lower Gila	197.95	50_year	Withprj_Design	185000.00	910.21	930.05	922.21	930.42	0.000500	3.15	43381.47	3995.56	0.14
Gila	Lower Gila	197.95	100_year	Preproj	227000.00	912.14	932.14	926.63	932.73	0.000739	7.00	40311.98	9291.85	0.35
Gila	Lower Gila	197.95	100_year	TRWithprj	227000.00	910.21	931.03	922.21	931.47	0.000538	4.02	47530.55	4654.36	0.18
Gila	Lower Gila	197.95	100_year	Preproj_Design	227000.00	912.14	932.14	926.63	932.73	0.000739	7.00	40311.98	9291.85	0.35
Gila	Lower Gila	197.95	100_year	Withprj_Design	227000.00	910.21	931.03	922.21	931.47	0.000538	4.02	47530.55	4654.36	0.18

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	197.95	Typ Peak_year	Preproj	6700.00	912.14	919.42	916.62	919.56	0.000806	3.06	2191.18	1220.59	0.30
Gila	Lower Gila	197.95	Typ Peak_year	TRWithprj	6700.00	910.21	916.61	912.96	916.74	0.005606	2.95	2268.33	1629.08	0.27
Gila	Lower Gila	197.95	Typ Peak_year	Preproj_Design	6700.00	912.14	919.42	916.62	919.56	0.000806	3.06	2191.18	1220.59	0.30
Gila	Lower Gila	197.95	Typ Peak_year	Withprj_Design	6700.00	910.21	916.61	912.96	916.74	0.005606	2.95	2268.33	1629.08	0.27
Gila	Lower Gila	197.92	5_year	Preproj	23500.00	912.14	922.95	919.35	923.27	0.000870	4.57	5146.50	2221.86	0.34
Gila	Lower Gila	197.92	5_year	TRWithprj	23500.00	909.87	920.39	916.44	920.83	0.001485	5.28	4454.85	1899.86	0.34
Gila	Lower Gila	197.92	5_year	Preproj_Design	23500.00	912.14	922.95	919.35	923.27	0.000870	4.57	5146.50	2221.86	0.34
Gila	Lower Gila	197.92	5_year	Withprj_Design	23500.00	909.87	920.39	916.44	920.83	0.001485	5.28	4454.85	1899.86	0.34
Gila	Lower Gila	197.92	10_year	Preproj	57000.00	912.14	926.05	922.13	926.32	0.000679	4.46	14503.40	2975.57	0.31
Gila	Lower Gila	197.92	10_year	TRWithprj	57000.00	909.87	923.72	919.55	923.85	0.000445	3.44	19664.49	2679.00	0.19
Gila	Lower Gila	197.92	10_year	Preproj_Design	57000.00	912.14	926.05	922.13	926.32	0.000679	4.46	14503.40	2975.57	0.31
Gila	Lower Gila	197.92	10_year	Withprj_Design	57000.00	909.87	923.72	919.55	923.85	0.000445	3.44	19664.49	2679.00	0.19
Gila	Lower Gila	197.92	20_year	Preproj	92000.00	912.14	927.57	923.51	927.90	0.000711	5.10	21599.44	3312.14	0.32
Gila	Lower Gila	197.92	20_year	TRWithprj	92000.00	909.87	926.11	921.45	926.32	0.000527	4.17	26191.70	3082.35	0.23
Gila	Lower Gila	197.92	20_year	Preproj_Design	92000.00	912.14	927.57	923.51	927.90	0.000711	5.10	21599.44	3312.14	0.32
Gila	Lower Gila	197.92	20_year	Withprj_Design	92000.00	909.87	926.11	921.45	926.32	0.000527	4.17	26191.70	3082.35	0.23
Gila	Lower Gila	197.92	50_year	Preproj	185000.00	912.14	930.96	925.97	931.47	0.000747	6.62	34735.20	4626.54	0.35
Gila	Lower Gila	197.92	50_year	TRWithprj	185000.00	909.87	929.93	921.45	930.26	0.000618	5.22	41826.32	4032.43	0.25
Gila	Lower Gila	197.92	50_year	Preproj_Design	185000.00	912.14	930.96	925.97	931.47	0.000747	6.62	34735.20	4626.54	0.35
Gila	Lower Gila	197.92	50_year	Withprj_Design	185000.00	909.87	929.93	921.45	930.26	0.000618	5.22	41826.32	4032.43	0.25
Gila	Lower Gila	197.92	100_year	Preproj	227000.00	912.14	931.91	926.44	932.52	0.000817	7.30	39001.17	4940.30	0.37
Gila	Lower Gila	197.92	100_year	TRWithprj	227000.00	909.87	930.89	921.44	931.30	0.000668	5.79	46038.30	4599.36	0.27
Gila	Lower Gila	197.92	100_year	Preproj_Design	227000.00	912.14	931.91	926.44	932.52	0.000817	7.30	39001.17	4940.30	0.37
Gila	Lower Gila	197.92	100_year	Withprj_Design	227000.00	909.87	930.89	921.44	931.30	0.000668	5.79	46038.30	4599.36	0.27
Gila	Lower Gila	197.92	Typ Peak_year	Preproj	6700.00	912.14	919.19	916.16	919.34	0.000878	3.11	2152.85	976.77	0.30
Gila	Lower Gila	197.92	Typ Peak_year	TRWithprj	6700.00	909.87	916.03	912.87	916.22	0.000976	3.54	1894.89	1545.16	0.33
Gila	Lower Gila	197.92	Typ Peak_year	Preproj_Design	6700.00	912.14	919.19	916.16	919.34	0.000878	3.11	2152.85	976.77	0.30
Gila	Lower Gila	197.92	Typ Peak_year	Withprj_Design	6700.00	909.87	916.03	912.87	916.22	0.000976	3.54	1894.89	1545.16	0.33
Gila	Lower Gila	197.87	5_year	Preproj	23500.00	912.14	922.56	919.73	922.92	0.001337	4.80	4900.16	1898.42	0.37
Gila	Lower Gila	197.87	5_year	TRWithprj	23500.00	909.31	918.80	917.13	919.90	0.005796	8.40	2796.76	1581.44	0.61
Gila	Lower Gila	197.87	5_year	Preproj_Design	23500.00	912.14	922.56	919.73	922.92	0.001337	4.80	4900.16	1898.42	0.37
Gila	Lower Gila	197.87	5_year	Withprj_Design	23500.00	909.31	918.80	917.13	919.90	0.005796	8.40	2796.76	1581.44	0.61
Gila	Lower Gila	197.87	10_year	Preproj	57000.00	912.14	925.70	922.14	926.04	0.001002	5.08	13107.36	2864.27	0.34
Gila	Lower Gila	197.87	10_year	TRWithprj	57000.00	909.31	923.48	920.05	923.65	0.000810	4.04	17699.96	2333.24	0.23
Gila	Lower Gila	197.87	10_year	Preproj_Design	57000.00	912.14	925.70	922.14	926.04	0.001002	5.08	13107.36	2864.27	0.34
Gila	Lower Gila	197.87	10_year	Withprj_Design	57000.00	909.31	923.48	920.05	923.65	0.000810	4.04	17699.96	2333.24	0.23
Gila	Lower Gila	197.87	20_year	Preproj	92000.00	912.14	927.18	923.51	927.61	0.001017	5.92	19115.93	3189.56	0.36
Gila	Lower Gila	197.87	20_year	TRWithprj	92000.00	909.31	925.84	920.05	926.09	0.000886	4.80	24195.51	2937.62	0.25
Gila	Lower Gila	197.87	20_year	Preproj_Design	92000.00	912.14	927.18	923.51	927.61	0.001017	5.92	19115.93	3189.56	0.36
Gila	Lower Gila	197.87	20_year	Withprj_Design	92000.00	909.31	925.84	920.05	926.09	0.000886	4.80	24195.51	2937.62	0.25
Gila	Lower Gila	197.87	50_year	Preproj	185000.00	912.14	930.54	925.63	931.18	0.001008	7.49	32355.18	7023.43	0.39
Gila	Lower Gila	197.87	50_year	TRWithprj	185000.00	909.31	929.60	920.04	930.00	0.000975	6.16	38781.30	5835.16	0.28
Gila	Lower Gila	197.87	50_year	Preproj_Design	185000.00	912.14	930.54	925.63	931.18	0.001008	7.49	32355.18	7023.43	0.39
Gila	Lower Gila	197.87	50_year	Withprj_Design	185000.00	909.31	929.60	920.04	930.00	0.000975	6.16	38781.30	5835.16	0.28
Gila	Lower Gila	197.87	100_year	Preproj	227000.00	912.14	931.47	926.79	932.20	0.001060	8.13	36790.34	7883.31	0.40
Gila	Lower Gila	197.87	100_year	TRWithprj	227000.00	909.31	930.54	920.96	931.02	0.001013	6.78	43161.91	7021.82	0.30
Gila	Lower Gila	197.87	100_year	Preproj_Design	227000.00	912.14	931.47	926.79	932.20	0.001060	8.13	36790.34	7883.31	0.40
Gila	Lower Gila	197.87	100_year	Withprj_Design	227000.00	909.31	930.54	920.96	931.02	0.001013	6.78	43161.91	7021.82	0.30
Gila	Lower Gila	197.87	Typ Peak_year	Preproj	6700.00	912.14	918.69	916.14	918.92	0.001940	3.86	1734.13	710.20	0.38
Gila	Lower Gila	197.87	Typ Peak_year	TRWithprj	6700.00	909.31	913.74	913.60	915.35	0.009358	10.18	658.31	1054.37	1.07
Gila	Lower Gila	197.87	Typ Peak_year	Preproj_Design	6700.00	912.14	918.69	916.14	918.92	0.001940	3.86	1734.13	710.20	0.38
Gila	Lower Gila	197.87	Typ Peak_year	Withprj_Design	6700.00	909.31	913.74	913.60	915.35	0.009358	10.18	658.31	1054.37	1.07
Gila	Lower Gila	197.81	5_year	Preproj	23500.00	912.13	922.21	919.10	922.54	0.001180	4.61	5096.64	2070.31	0.36
Gila	Lower Gila	197.81	5_year	TRWithprj	23500.00	906.19	918.96	913.10	919.12	0.000798	3.25	7237.12	1734.70	0.20
Gila	Lower Gila	197.81	5_year	Preproj_Design	23500.00	912.13	922.21	919.10	922.54	0.001180	4.61	5096.64	2070.31	0.36
Gila	Lower Gila	197.81	5_year	Withprj_Design	23500.00	906.19	918.96	913.10	919.12	0.000798	3.25	7237.12	1734.70	0.20
Gila	Lower Gila	197.81	10_year	Preproj	57000.00	912.13	925.46	921.75	925.79	0.000728	5.04	13741.13	2713.47	0.31
Gila	Lower Gila	197.81	10_year	TRWithprj	57000.00	906.19	923.28	915.56	923.45	0.000588	3.31	18109.01	2401.93	0.16
Gila	Lower Gila	197.81	10_year	Preproj_Design	57000.00	912.13	925.46	921.75	925.79	0.000728	5.04	13741.13	2713.47	0.31
Gila	Lower Gila	197.81	10_year	Withprj_Design	57000.00	906.19	923.28	915.56	923.45	0.000588	3.31	18109.01	2401.93	0.16
Gila	Lower Gila	197.81	20_year	Preproj	92000.00	912.13	926.92	923.06	927.34	0.000821	6.00	20045.03	3090.62	0.34
Gila	Lower Gila	197.81	20_year	TRWithprj	92000.00	906.19	925.61	917.56	925.87	0.000673	4.16	24751.95	2758.66	0.19
Gila	Lower Gila	197.81	20_year	Preproj_Design	92000.00	912.13	926.92	923.06	927.34	0.000821	6.00	20045.03	3090.62	0.34
Gila	Lower Gila	197.81	20_year	Withprj_Design	92000.00	906.19	925.61	917.56	925.87	0.000673	4.16	24751.95	2758.66	0.19
Gila	Lower Gila	197.81	50_year	Preproj	185000.00	912.13	930.25	925.53	930.89	0.000931	7.80	33759.78	9052.05	0.38
Gila	Lower Gila	197.81	50_year	TRWithprj	185000.00	906.19	929.32	920.94	929.74	0.000786	5.64	39698.33	8026.52	0.23
Gila	Lower Gila	197.81	50_year	Preproj_Design	185000.00	912.13	930.25	925.53	930.89	0.000931	7.80	33759.78	9052.05	0.38
Gila	Lower Gila	197.81	50_year	Withprj_Design	185000.00	906.19	929.32	920.94	929.74	0.000786	5.64	39698.33	8026.52	0.23
Gila	Lower Gila	197.81	100_year	Preproj	227000.00	912.13	931.18	925.53	931.90	0.000980	8.41	38713.61	9318.14	0.40
Gila	Lower Gila	197.81	100_year	TRWithprj	227000.00	906.19	930.25	920.94	930.75	0.000831	6.31	44435.30	9050.69	0.25
Gila	Lower Gila	197.81	100_year	Preproj_Design	227000.00	912.13	931.18	925.53	931.90	0.000980	8.41	38713.61	9318.14	0.40
Gila	Lower Gila	197.81	100_year	Withprj_Design	227000.00	906.19	930.25	920.94	930.75	0.000831	6.31	44435.30	9050.69	0.25
Gila	Lower Gila	197.81	Typ Peak_year	Preproj	6700.00	912.13	918.26	915.94	918.48	0.001189	3.81	1759.23	703.32	0.34
Gila	Lower Gila	197.81	Typ Peak_year	TRWithprj	6700.00	906.19	914.38	911.04	914.44	0.000596	1.97	3397.70	1250.24	0.17
Gila	Lower Gila	197.81	Typ Peak_year	Preproj_Design	6700.00	912.13	918.26	915.94	918.48	0.001189	3.81	1759.23	703.32	0.34
Gila	Lower Gila	197.81	Typ Peak_year	Withprj_Design	6700.00	906.19	914.38	911.04	914.44	0.000596	1.97	3397.70	1250.24	0.17
Gila	Lower Gila	197.75	5_year	Preproj	23500.00	911.90	922.04	918.21	922.28	0.000644	3.86	6089.21	2337.26	0.28
Gila	Lower Gila	197.75	5_year	TRWithprj	23500.00	905.91	918.92	909.87	919.02	0.000165	2.45	9610.97	1594.58	0.13
Gila	Lower Gila	197.75	5_year	Preproj_Design	23500.00	911.90	922.04	918.21	922.28	0.000644	3.86	6089.21	2337.26	0.28
Gila	Lower Gila	197.75	5_year	Withprj_Design	23500.00	905.91	918.92	909.87	919.02	0.000165	2.45	9610.97	1594.58	0.13
Gila	Lower Gila	197.75	10_year	Preproj	57000.00	911.90	925.41	920.63	925.60	0.000377	3.95	18099.87	2860.85	0.23
Gila	Lower Gila	197.75	10_year	TRWithprj	57000.00	905.91	923.10	912.32	923.27	0.000719	3.30	18269.06	2644.32	0.15
Gila	Lower Gila	197.75	10_year	Preproj_Design	57000.00	911.90	925.41	920.63	925.60	0.000377	3.95	18099.87	2860.85	0.23
Gila	Lower Gila	197.75	10_year	Withprj_Design	57000.00	905.91	923.10	912.32	923.27	0.000719	3.30	18269.06	2644.32	0.15
Gila	Lower Gila	197.75	20_year	Preproj	92000.00	911.90	926.79	922.51	927.12	0.000571	5.35	22378.24	3423.30	0.29
Gila	Lower Gila	197.75	20_year	TRWithprj	92000.00	905.91	925.46	914.42	925.67	0.000610	3.91	27911.39	2868.83	0.17
Gila	Lower Gila	197.75	20_year	Preproj_Design	92000.00	911.90	926.79	922.51	927.12	0.000571	5.35	22378.24	3423.30	0.29
Gila	Lower Gila	197.75	20_year	Withprj_Design	92000.00	905.91	925.46	914.42	925.67	0.000610	3.91	27911.39	2868.83	0.17
Gila	Lower Gila	197.75	50_year	Preproj	185000.00	911.90	930.16	923.79	930.63	0.000629	6.76	39107.88	9507.06	0.32
Gila	Lower Gila	197.75	50_year	TRWithprj	185000.00	905.91	929.12	918.88	929.53	0.000698	5.77	42508.17	9287.97	0.22
Gila	Lower Gila	197.75	50_year	Preproj_Design	185000.00	911.90	930.16	923.79	930.63	0.000629	6.76	39107.88	9507.06	0.32
Gila	Lower Gila	197.75	50_year	Withprj_Design	185000.00	905.91	929.12	918.88	929.53	0.000698	5.77	42508.17	9287.97	0.22
Gila	Lower Gila	197.75	100_year	Preproj	227000.00	911.90	931.09	925.31	931.62	0.000671	7.30	44791.83	9567.09	0.33
Gila	Lower Gila	197.75	100_year	TRWithprj	227000.00	905.91	930.05	919.51	930.54	0.000676	6.43	48084.99	9486.60	0.24
Gila	Lower Gila	197.75	100_year	Preproj_Design	227000.00	911.90	931.09	925.31	931.62	0.000671	7.30	44791.83	9567.09	0.33

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	197.75	100_year	Withprj_Design	227000.00	905.91	930.05	919.51	930.54	0.000676	6.43	48084.99	9486.60	0.24
Gila	Lower Gila	197.75	Typ Peak_year	Preproj	6700.00	911.90	918.03	914.99	918.16	0.000947	2.96	2261.77	872.80	0.30
Gila	Lower Gila	197.75	Typ Peak_year	TRWithprj	6700.00	905.91	914.37	908.11	914.39	0.000049	1.13	5910.48	1090.36	0.07
Gila	Lower Gila	197.75	Typ Peak_year	Preproj_Design	6700.00	911.90	918.03	914.99	918.16	0.000947	2.96	2261.77	872.80	0.30
Gila	Lower Gila	197.75	Typ Peak_year	Withprj_Design	6700.00	905.91	914.37	908.11	914.39	0.000049	1.13	5910.48	1090.36	0.07
Gila	Lower Gila	197.7	5_year	Preproj	23500.00	911.90	921.78	917.95	922.07	0.000668	4.33	5425.85	1812.57	0.32
Gila	Lower Gila	197.7	5_year	TRWithprj	23500.00	906.06	918.84	910.12	918.96	0.000180	2.78	8447.34	1074.41	0.15
Gila	Lower Gila	197.7	5_year	Preproj_Design	23500.00	911.90	921.78	917.95	922.07	0.000668	4.33	5425.85	1812.57	0.32
Gila	Lower Gila	197.7	5_year	Withprj_Design	23500.00	906.06	918.84	910.12	918.96	0.000180	2.78	8447.34	1074.41	0.15
Gila	Lower Gila	197.7	10_year	Preproj	57000.00	911.90	924.95	920.74	925.41	0.000779	5.82	11801.10	2707.84	0.35
Gila	Lower Gila	197.7	10_year	TRWithprj	57000.00	906.06	922.86	912.85	923.11	0.000346	4.07	15353.95	2296.35	0.19
Gila	Lower Gila	197.7	10_year	Preproj_Design	57000.00	911.90	924.95	920.74	925.41	0.000779	5.82	11801.10	2707.84	0.35
Gila	Lower Gila	197.7	10_year	Withprj_Design	57000.00	906.06	922.86	912.85	923.11	0.000346	4.07	15353.95	2296.35	0.19
Gila	Lower Gila	197.7	20_year	Preproj	92000.00	911.90	926.35	923.05	926.89	0.000872	6.71	18701.39	3664.46	0.37
Gila	Lower Gila	197.7	20_year	TRWithprj	92000.00	906.06	925.01	915.16	925.47	0.000539	5.57	19659.20	2723.99	0.24
Gila	Lower Gila	197.7	20_year	Preproj_Design	92000.00	911.90	926.35	923.05	926.89	0.000872	6.71	18701.39	3664.46	0.37
Gila	Lower Gila	197.7	20_year	Withprj_Design	92000.00	906.06	925.01	915.16	925.47	0.000539	5.57	19659.20	2723.99	0.24
Gila	Lower Gila	197.7	50_year	Preproj	185000.00	911.90	929.73	925.53	930.38	0.000874	7.98	35849.06	9222.32	0.38
Gila	Lower Gila	197.7	50_year	TRWithprj	185000.00	906.06	928.58	919.72	929.28	0.000735	7.45	36399.00	8723.72	0.30
Gila	Lower Gila	197.7	50_year	Preproj_Design	185000.00	911.90	929.73	925.53	930.38	0.000874	7.98	35849.06	9222.32	0.38
Gila	Lower Gila	197.7	50_year	Withprj_Design	185000.00	906.06	928.58	919.72	929.28	0.000735	7.45	36399.00	8723.72	0.30
Gila	Lower Gila	197.7	100_year	Preproj	227000.00	911.90	930.67	926.00	931.36	0.000896	8.44	41788.20	9595.53	0.39
Gila	Lower Gila	197.7	100_year	TRWithprj	227000.00	906.06	929.50	920.64	930.29	0.000799	8.11	42127.02	9146.15	0.32
Gila	Lower Gila	197.7	100_year	Preproj_Design	227000.00	911.90	930.67	926.00	931.36	0.000896	8.44	41788.20	9595.53	0.39
Gila	Lower Gila	197.7	100_year	Withprj_Design	227000.00	906.06	929.50	920.64	930.29	0.000799	8.11	42127.02	9146.15	0.32
Gila	Lower Gila	197.7	Typ Peak_year	Preproj	6700.00	911.90	917.75	915.17	917.90	0.000765	3.14	2133.65	638.79	0.30
Gila	Lower Gila	197.7	Typ Peak_year	TRWithprj	6700.00	906.06	914.35	908.03	914.38	0.000067	1.30	5172.09	889.35	0.08
Gila	Lower Gila	197.7	Typ Peak_year	Preproj_Design	6700.00	911.90	917.75	915.17	917.90	0.000765	3.14	2133.65	638.79	0.30
Gila	Lower Gila	197.7	Typ Peak_year	Withprj_Design	6700.00	906.06	914.35	908.03	914.38	0.000067	1.30	5172.09	889.35	0.08
Gila	Lower Gila	197.64	5_year	Preproj	23500.00	911.90	921.63	916.39	921.89	0.000448	4.09	5750.71	1665.43	0.29
Gila	Lower Gila	197.64	5_year	TRWithprj	23500.00	905.98	918.70	911.11	918.88	0.000336	3.45	6816.27	900.29	0.19
Gila	Lower Gila	197.64	5_year	Preproj_Design	23500.00	911.90	921.63	916.39	921.89	0.000448	4.09	5750.71	1665.43	0.29
Gila	Lower Gila	197.64	5_year	Withprj_Design	23500.00	905.98	918.70	911.11	918.88	0.000336	3.45	6816.27	900.29	0.19
Gila	Lower Gila	197.64	10_year	Preproj	57000.00	911.90	924.65	919.73	925.17	0.000742	6.02	11402.03	3053.20	0.37
Gila	Lower Gila	197.64	10_year	TRWithprj	57000.00	905.98	922.60	914.36	922.96	0.000634	4.85	12529.35	1926.13	0.25
Gila	Lower Gila	197.64	10_year	Preproj_Design	57000.00	911.90	924.65	919.73	925.17	0.000742	6.02	11402.03	3053.20	0.37
Gila	Lower Gila	197.64	10_year	Withprj_Design	57000.00	905.98	922.60	914.36	922.96	0.000634	4.85	12529.35	1926.13	0.25
Gila	Lower Gila	197.64	20_year	Preproj	92000.00	911.90	925.94	922.35	926.60	0.000941	7.20	18171.50	3883.05	0.41
Gila	Lower Gila	197.64	20_year	TRWithprj	92000.00	905.98	924.77	916.76	925.27	0.000814	5.95	18935.48	3269.03	0.29
Gila	Lower Gila	197.64	20_year	Preproj_Design	92000.00	911.90	925.94	922.35	926.60	0.000941	7.20	18171.50	3883.05	0.41
Gila	Lower Gila	197.64	20_year	Withprj_Design	92000.00	905.98	924.77	916.76	925.27	0.000814	5.95	18935.48	3269.03	0.29
Gila	Lower Gila	197.64	50_year	Preproj	185000.00	911.90	929.34	925.64	930.09	0.000953	8.42	35327.12	8675.63	0.41
Gila	Lower Gila	197.64	50_year	TRWithprj	185000.00	905.98	928.25	921.21	929.00	0.001089	7.88	33597.05	8166.77	0.34
Gila	Lower Gila	197.64	50_year	Preproj_Design	185000.00	911.90	929.34	925.64	930.09	0.000953	8.42	35327.12	8675.63	0.41
Gila	Lower Gila	197.64	50_year	Withprj_Design	185000.00	905.98	928.25	921.21	929.00	0.001089	7.88	33597.05	8166.77	0.34
Gila	Lower Gila	197.64	100_year	Preproj	227000.00	911.90	930.28	925.96	931.07	0.000974	8.85	41165.07	9117.41	0.42
Gila	Lower Gila	197.64	100_year	TRWithprj	227000.00	905.98	929.16	923.26	929.99	0.001125	8.49	39185.99	8592.73	0.36
Gila	Lower Gila	197.64	100_year	Preproj_Design	227000.00	911.90	930.28	925.96	931.07	0.000974	8.85	41165.07	9117.41	0.42
Gila	Lower Gila	197.64	100_year	Withprj_Design	227000.00	905.98	929.16	923.26	929.99	0.001125	8.49	39185.99	8592.73	0.36
Gila	Lower Gila	197.64	Typ Peak_year	Preproj	6700.00	911.90	917.66	914.10	917.75	0.000262	2.37	2826.82	601.55	0.19
Gila	Lower Gila	197.64	Typ Peak_year	TRWithprj	6700.00	905.98	914.30	908.30	914.35	0.000135	1.69	3968.86	778.96	0.12
Gila	Lower Gila	197.64	Typ Peak_year	Preproj_Design	6700.00	911.90	917.66	914.10	917.75	0.000262	2.37	2826.82	601.55	0.19
Gila	Lower Gila	197.64	Typ Peak_year	Withprj_Design	6700.00	905.98	914.30	908.30	914.35	0.000135	1.69	3968.86	778.96	0.12
Gila	Lower Gila	197.58	5_year	Preproj	23500.00	911.90	921.28	917.43	921.71	0.000962	5.26	4471.61	1794.15	0.40
Gila	Lower Gila	197.58	5_year	TRWithprj	23500.00	905.90	918.58	911.80	918.69	0.001597	2.69	8747.60	1206.60	0.16
Gila	Lower Gila	197.58	5_year	Preproj_Design	23500.00	911.90	921.28	917.43	921.71	0.000962	5.26	4471.61	1794.15	0.40
Gila	Lower Gila	197.58	5_year	Withprj_Design	23500.00	905.90	918.58	911.80	918.69	0.001597	2.69	8747.60	1206.60	0.16
Gila	Lower Gila	197.58	10_year	Preproj	57000.00	911.90	924.24	921.21	924.92	0.001180	6.93	10388.84	2769.91	0.45
Gila	Lower Gila	197.58	10_year	TRWithprj	57000.00	905.90	922.36	914.07	922.63	0.002848	4.22	14291.45	2157.95	0.22
Gila	Lower Gila	197.58	10_year	Preproj_Design	57000.00	911.90	924.24	921.21	924.92	0.001180	6.93	10388.84	2769.91	0.45
Gila	Lower Gila	197.58	10_year	Withprj_Design	57000.00	905.90	922.36	914.07	922.63	0.002848	4.22	14291.45	2157.95	0.22
Gila	Lower Gila	197.58	20_year	Preproj	92000.00	911.90	925.45	923.10	926.28	0.001445	8.21	16503.07	3540.72	0.50
Gila	Lower Gila	197.58	20_year	TRWithprj	92000.00	905.90	924.44	915.93	924.89	0.002862	5.55	18470.25	3007.86	0.26
Gila	Lower Gila	197.58	20_year	Preproj_Design	92000.00	911.90	925.45	923.10	926.28	0.001445	8.21	16503.07	3540.72	0.50
Gila	Lower Gila	197.58	20_year	Withprj_Design	92000.00	905.90	924.44	915.93	924.89	0.002862	5.55	18470.25	3007.86	0.26
Gila	Lower Gila	197.58	50_year	Preproj	185000.00	911.90	928.88	924.83	929.78	0.001309	9.33	32378.65	8386.89	0.48
Gila	Lower Gila	197.58	50_year	TRWithprj	185000.00	905.90	928.03	920.22	928.57	0.001817	6.65	35135.43	8037.27	0.28
Gila	Lower Gila	197.58	50_year	Preproj_Design	185000.00	911.90	928.88	924.83	929.78	0.001309	9.33	32378.65	8386.89	0.48
Gila	Lower Gila	197.58	50_year	Withprj_Design	185000.00	905.90	928.03	920.22	928.57	0.001817	6.65	35135.43	8037.27	0.28
Gila	Lower Gila	197.58	100_year	Preproj	227000.00	911.90	929.82	926.88	930.75	0.001308	9.74	37981.08	8776.91	0.48
Gila	Lower Gila	197.58	100_year	TRWithprj	227000.00	905.90	928.95	922.26	929.58	0.001591	7.37	40555.34	8414.27	0.31
Gila	Lower Gila	197.58	100_year	Preproj_Design	227000.00	911.90	929.82	926.88	930.75	0.001308	9.74	37981.08	8776.91	0.48
Gila	Lower Gila	197.58	100_year	Withprj_Design	227000.00	905.90	928.95	922.26	929.58	0.001591	7.37	40555.34	8414.27	0.31
Gila	Lower Gila	197.58	Typ Peak_year	Preproj	6700.00	911.90	917.48	914.78	917.64	0.000631	3.22	2080.44	561.44	0.28
Gila	Lower Gila	197.58	Typ Peak_year	TRWithprj	6700.00	905.90	914.23	908.66	914.27	0.000997	1.43	4689.12	949.22	0.11
Gila	Lower Gila	197.58	Typ Peak_year	Preproj_Design	6700.00	911.90	917.48	914.78	917.64	0.000631	3.22	2080.44	561.44	0.28
Gila	Lower Gila	197.58	Typ Peak_year	Withprj_Design	6700.00	905.90	914.23	908.66	914.27	0.000997	1.43	4689.12	949.22	0.11
Gila	Lower Gila	197.53	5_year	Preproj	23500.00	911.90	920.95	918.17	921.40	0.001315	5.39	4358.99	1734.91	0.43
Gila	Lower Gila	197.53	5_year	TRWithprj	23500.00	905.90	918.34	911.76	918.44	0.000593	2.61	9232.33	1350.47	0.16
Gila	Lower Gila	197.53	5_year	Preproj_Design	23500.00	911.90	920.95	918.17	921.40	0.001315	5.39	4358.99	1734.91	0.43
Gila	Lower Gila	197.53	5_year	Withprj_Design	23500.00	905.90	918.34	911.76	918.44	0.000593	2.61	9232.33	1350.47	0.16
Gila	Lower Gila	197.53	10_year	Preproj	57000.00	911.90	923.89	921.31	924.53	0.001651	6.74	10064.57	2710.89	0.46
Gila	Lower Gila	197.53	10_year	TRWithprj	57000.00	905.90	921.90	913.96	922.17	0.001103	4.27	14636.93	2171.31	0.22
Gila	Lower Gila	197.53	10_year	Preproj_Design	57000.00	911.90	923.89	921.31	924.53	0.001651	6.74	10064.57	2710.89	0.46
Gila	Lower Gila	197.53	10_year	Withprj_Design	57000.00	905.90	921.90	913.96	922.17	0.001103	4.27	14636.93	2171.31	0.22
Gila	Lower Gila	197.53	20_year	Preproj	92000.00	911.90	925.08	922.83	925.82	0.001788	7.72	16144.84	3274.13	0.49
Gila	Lower Gila	197.53	20_year	TRWithprj	92000.00	905.90	923.86	915.72	924.34	0.001473	5.73	18338.89	2775.09	0.28
Gila	Lower Gila	197.53	20_year	Preproj_Design	92000.00	911.90	925.08	922.83	925.82	0.001788	7.72	16144.84	3274.13	0.49
Gila	Lower Gila	197.53	20_year	Withprj_Design	92000.00	905.90	923.86	915.72	924.34	0.001473	5.73	18338.89	2775.09	0.28
Gila	Lower Gila	197.53	50_year	Preproj	185000.00	911.90	928.52	925.17	929.39	0.001571	9.02	31947.47	8225.45	0.47
Gila	Lower Gila	197.53	50_year	TRWithprj	185000.00	905.90	927.51	919.89	928.13	0.001466	7.12	34814.66	5104.37	0.30
Gila	Lower Gila	197.53	50_year	Preproj_Design	185000.00	911.90	928.52	925.17	929.39	0.001571	9.02	31947.47	8225.45	0.47
Gila	Lower Gila	197.53	50_year	Withprj_Design	185000.00	905.90	927.51	919.89	928.13	0.001466	7.12	34814.66	5104.37	0.30
Gila	Lower Gila	197.53	100_year	Preproj	227000.00	911.90	929.45	925.21	930.37	0.001545	9.44	37405.31	8656.32	0.48
Gila	Lower Gila	197.53	100_year	TRWithprj	227000.00	905.90	928.49	921.35	929.18	0.001422	7.66	40209.37	8206.89	0.32

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	197.53	100_year	Preproj_Design	227000.00	911.90	929.45	925.21	930.37	0.001545	9.44	37405.31	8656.32	0.48
Gila	Lower Gila	197.53	100_year	Withprj_Design	227000.00	905.90	928.49	921.35	929.18	0.001422	7.66	40209.37	8206.89	0.32
Gila	Lower Gila	197.53	Typ Peak_year	Preproj	6700.00	911.90	917.14	914.78	917.40	0.001193	4.10	1634.91	593.33	0.39
Gila	Lower Gila	197.53	Typ Peak_year	TRWithprj	6700.00	905.90	914.11	908.96	914.14	0.000264	1.40	4861.58	1004.97	0.11
Gila	Lower Gila	197.53	Typ Peak_year	Preproj_Design	6700.00	911.90	917.14	914.78	917.40	0.001193	4.10	1634.91	593.33	0.39
Gila	Lower Gila	197.53	Typ Peak_year	Withprj_Design	6700.00	905.90	914.11	908.96	914.14	0.000264	1.40	4861.58	1004.97	0.11
Gila	Lower Gila	197.48	5_year	Preproj	23500.00	911.90	919.98	918.48	920.82	0.002516	7.34	3201.40	1590.85	0.67
Gila	Lower Gila	197.48	5_year	TRWithprj	23500.00	905.90	918.02	911.55	918.12	0.002273	2.52	9264.42	1443.97	0.15
Gila	Lower Gila	197.48	5_year	Preproj_Design	23500.00	911.90	919.98	918.48	920.82	0.002516	7.34	3201.40	1590.85	0.67
Gila	Lower Gila	197.48	5_year	Withprj_Design	23500.00	905.90	918.02	911.55	918.12	0.002273	2.52	9264.42	1443.97	0.15
Gila	Lower Gila	197.48	10_year	Preproj	57000.00	911.90	922.65	921.48	923.80	0.003046	8.95	7934.92	2443.70	0.68
Gila	Lower Gila	197.48	10_year	TRWithprj	57000.00	905.90	921.34	913.66	921.61	0.003497	4.26	14039.16	2173.10	0.22
Gila	Lower Gila	197.48	10_year	Preproj_Design	57000.00	911.90	922.65	921.48	923.80	0.003046	8.95	7934.92	2443.70	0.68
Gila	Lower Gila	197.48	10_year	Withprj_Design	57000.00	905.90	921.34	913.66	921.61	0.003497	4.26	14039.16	2173.10	0.22
Gila	Lower Gila	197.48	20_year	Preproj	92000.00	911.90	924.07	923.09	925.11	0.002655	9.19	14042.10	3073.28	0.62
Gila	Lower Gila	197.48	20_year	TRWithprj	92000.00	905.90	923.18	915.37	923.67	0.003572	5.76	17505.80	2616.03	0.28
Gila	Lower Gila	197.48	20_year	Preproj_Design	92000.00	911.90	924.07	923.09	925.11	0.002655	9.19	14042.10	3073.28	0.62
Gila	Lower Gila	197.48	20_year	Withprj_Design	92000.00	905.90	923.18	915.37	923.67	0.003572	5.76	17505.80	2616.03	0.28
Gila	Lower Gila	197.48	50_year	Preproj	185000.00	911.90	927.63	924.86	928.78	0.002208	10.36	28596.22	5318.06	0.57
Gila	Lower Gila	197.48	50_year	TRWithprj	185000.00	905.90	926.99	919.32	927.56	0.002170	6.77	33978.22	4848.70	0.29
Gila	Lower Gila	197.48	50_year	Preproj_Design	185000.00	911.90	927.63	924.86	928.78	0.002208	10.36	28596.22	5318.06	0.57
Gila	Lower Gila	197.48	50_year	Withprj_Design	185000.00	905.90	926.99	919.32	927.56	0.002170	6.77	33978.22	4848.70	0.29
Gila	Lower Gila	197.48	100_year	Preproj	227000.00	911.90	928.66	925.02	929.78	0.002044	10.55	34421.00	8341.18	0.55
Gila	Lower Gila	197.48	100_year	TRWithprj	227000.00	905.90	928.00	921.12	928.65	0.001870	7.44	39233.55	8150.61	0.31
Gila	Lower Gila	197.48	100_year	Preproj_Design	227000.00	911.90	928.66	925.02	929.78	0.002044	10.55	34421.00	8341.18	0.55
Gila	Lower Gila	197.48	100_year	Withprj_Design	227000.00	905.90	928.00	921.12	928.65	0.001870	7.44	39233.55	8150.61	0.31
Gila	Lower Gila	197.48	Typ Peak_year	Preproj	6700.00	911.90	916.49	914.71	916.93	0.001864	5.33	1256.79	496.53	0.51
Gila	Lower Gila	197.48	Typ Peak_year	TRWithprj	6700.00	905.90	913.96	909.32	913.98	0.001374	1.34	5012.65	1031.10	0.11
Gila	Lower Gila	197.48	Typ Peak_year	Preproj_Design	6700.00	911.90	916.49	914.71	916.93	0.001864	5.33	1256.79	496.53	0.51
Gila	Lower Gila	197.48	Typ Peak_year	Withprj_Design	6700.00	905.90	913.96	909.32	913.98	0.001374	1.34	5012.65	1031.10	0.11
Gila	Lower Gila	197.42	5_year	Preproj	23500.00	911.90	919.55	917.93	920.20	0.002165	6.44	3649.52	1758.85	0.58
Gila	Lower Gila	197.42	5_year	TRWithprj	23500.00	905.61	917.80	911.21	917.89	0.000511	2.48	9552.13	1596.63	0.15
Gila	Lower Gila	197.42	5_year	Preproj_Design	23500.00	911.90	919.55	917.93	920.20	0.002165	6.44	3649.52	1758.85	0.58
Gila	Lower Gila	197.42	5_year	Withprj_Design	23500.00	905.61	917.80	911.21	917.89	0.000511	2.48	9552.13	1596.63	0.15
Gila	Lower Gila	197.42	10_year	Preproj	57000.00	911.90	921.91	920.56	923.05	0.003155	8.82	8179.68	2416.73	0.67
Gila	Lower Gila	197.42	10_year	TRWithprj	57000.00	905.61	920.91	913.30	921.18	0.001075	4.25	14550.59	2283.75	0.22
Gila	Lower Gila	197.42	10_year	Preproj_Design	57000.00	911.90	921.91	920.56	923.05	0.003155	8.82	8179.68	2416.73	0.67
Gila	Lower Gila	197.42	10_year	Withprj_Design	57000.00	905.61	920.91	913.30	921.18	0.001075	4.25	14550.59	2283.75	0.22
Gila	Lower Gila	197.42	20_year	Preproj	92000.00	911.90	923.44	922.34	924.46	0.002667	8.99	14054.47	2811.31	0.61
Gila	Lower Gila	197.42	20_year	TRWithprj	92000.00	905.61	922.64	915.03	923.13	0.001518	5.77	17909.69	2609.51	0.28
Gila	Lower Gila	197.42	20_year	Preproj_Design	92000.00	911.90	923.44	922.34	924.46	0.002667	8.99	14054.47	2811.31	0.61
Gila	Lower Gila	197.42	20_year	Withprj_Design	92000.00	905.61	922.64	915.03	923.13	0.001518	5.77	17909.69	2609.51	0.28
Gila	Lower Gila	197.42	50_year	Preproj	185000.00	911.90	926.81	924.36	928.17	0.002587	10.96	26479.67	6177.73	0.61
Gila	Lower Gila	197.42	50_year	TRWithprj	185000.00	905.61	926.49	919.01	927.12	0.001456	7.11	33228.57	5795.76	0.31
Gila	Lower Gila	197.42	50_year	Preproj_Design	185000.00	911.90	926.81	924.36	928.17	0.002587	10.96	26479.67	6177.73	0.61
Gila	Lower Gila	197.42	50_year	Withprj_Design	185000.00	905.61	926.49	919.01	927.12	0.001456	7.11	33228.57	5795.76	0.31
Gila	Lower Gila	197.42	100_year	Preproj	227000.00	911.90	927.95	925.41	929.24	0.002282	10.99	32705.55	7179.25	0.58
Gila	Lower Gila	197.42	100_year	TRWithprj	227000.00	905.61	927.45	920.66	928.23	0.001534	8.00	38214.59	6836.63	0.33
Gila	Lower Gila	197.42	100_year	Preproj_Design	227000.00	911.90	927.95	925.41	929.24	0.002282	10.99	32705.55	7179.25	0.58
Gila	Lower Gila	197.42	100_year	Withprj_Design	227000.00	905.61	927.45	920.66	928.23	0.001534	8.00	38214.59	6836.63	0.33
Gila	Lower Gila	197.42	Typ Peak_year	Preproj	6700.00	911.90	916.07	914.40	916.47	0.001844	5.08	1318.33	460.95	0.49
Gila	Lower Gila	197.42	Typ Peak_year	TRWithprj	6700.00	905.61	913.86	908.42	913.88	0.000204	1.27	5311.65	1049.66	0.10
Gila	Lower Gila	197.42	Typ Peak_year	Preproj_Design	6700.00	911.90	916.07	914.40	916.47	0.001844	5.08	1318.33	460.95	0.49
Gila	Lower Gila	197.42	Typ Peak_year	Withprj_Design	6700.00	905.61	913.86	908.42	913.88	0.000204	1.27	5311.65	1049.66	0.10
Gila	Lower Gila	197.38	5_year	Preproj	23500.00	911.90	919.13	916.81	919.65	0.001653	5.78	4063.24	1819.58	0.51
Gila	Lower Gila	197.38	5_year	TRWithprj	23500.00	905.36	917.68	910.85	917.77	0.000375	2.45	9609.89	1637.66	0.15
Gila	Lower Gila	197.38	5_year	Preproj_Design	23500.00	911.90	919.13	916.81	919.65	0.001653	5.78	4063.24	1819.58	0.51
Gila	Lower Gila	197.38	5_year	Withprj_Design	23500.00	905.36	917.68	910.85	917.77	0.000375	2.45	9609.89	1637.66	0.15
Gila	Lower Gila	197.38	10_year	Preproj	57000.00	911.90	921.34	919.77	922.25	0.002375	7.98	8546.56	2237.34	0.58
Gila	Lower Gila	197.38	10_year	TRWithprj	57000.00	905.36	920.63	912.99	920.92	0.000876	4.37	14432.20	2122.66	0.23
Gila	Lower Gila	197.38	10_year	Preproj_Design	57000.00	911.90	921.34	919.77	922.25	0.002375	7.98	8546.56	2237.34	0.58
Gila	Lower Gila	197.38	10_year	Withprj_Design	57000.00	905.36	920.63	912.99	920.92	0.000876	4.37	14432.20	2122.66	0.23
Gila	Lower Gila	197.38	20_year	Preproj	92000.00	911.90	922.78	921.28	923.78	0.002370	8.88	13471.22	2363.36	0.58
Gila	Lower Gila	197.38	20_year	TRWithprj	92000.00	905.36	922.31	914.74	922.76	0.001163	5.66	19557.82	2332.35	0.27
Gila	Lower Gila	197.38	20_year	Preproj_Design	92000.00	911.90	922.78	921.28	923.78	0.002370	8.88	13471.22	2363.36	0.58
Gila	Lower Gila	197.38	20_year	Withprj_Design	92000.00	905.36	922.31	914.74	922.76	0.001163	5.66	19557.82	2332.35	0.27
Gila	Lower Gila	197.38	50_year	Preproj	185000.00	911.90	925.97	923.46	927.47	0.002561	11.33	24043.68	5641.48	0.62
Gila	Lower Gila	197.38	50_year	TRWithprj	185000.00	905.36	925.78	918.82	926.68	0.001680	8.25	30377.98	5538.17	0.36
Gila	Lower Gila	197.38	50_year	Preproj_Design	185000.00	911.90	925.97	923.46	927.47	0.002561	11.33	24043.68	5641.48	0.62
Gila	Lower Gila	197.38	50_year	Withprj_Design	185000.00	905.36	925.78	918.82	926.68	0.001680	8.25	30377.98	5538.17	0.36
Gila	Lower Gila	197.38	100_year	Preproj	227000.00	911.90	926.91	924.68	928.56	0.002605	12.07	28851.77	6516.47	0.63
Gila	Lower Gila	197.38	100_year	TRWithprj	227000.00	905.36	926.73	920.39	927.77	0.001735	9.07	35070.34	6412.87	0.38
Gila	Lower Gila	197.38	100_year	Preproj_Design	227000.00	911.90	926.91	924.68	928.56	0.002605	12.07	28851.77	6516.47	0.63
Gila	Lower Gila	197.38	100_year	Withprj_Design	227000.00	905.36	926.73	920.39	927.77	0.001735	9.07	35070.34	6412.87	0.38
Gila	Lower Gila	197.38	Typ Peak_year	Preproj	6700.00	911.90	915.68	914.23	915.97	0.001629	4.31	1556.06	589.22	0.44
Gila	Lower Gila	197.38	Typ Peak_year	TRWithprj	6700.00	905.36	913.81	907.77	913.84	0.000135	1.21	5537.58	1031.22	0.09
Gila	Lower Gila	197.38	Typ Peak_year	Preproj_Design	6700.00	911.90	915.68	914.23	915.97	0.001629	4.31	1556.06	589.22	0.44
Gila	Lower Gila	197.38	Typ Peak_year	Withprj_Design	6700.00	905.36	913.81	907.77	913.84	0.000135	1.21	5537.58	1031.22	0.09
Gila	Lower Gila	197.33	5_year	Preproj	23500.00	911.65	918.81	916.01	919.24	0.001257	5.24	4487.96	2158.37	0.40
Gila	Lower Gila	197.33	5_year	TRWithprj	23500.00	905.10	917.33	913.52	917.57	0.001918	3.91	6017.29	1893.93	0.29
Gila	Lower Gila	197.33	5_year	Preproj_Design	23500.00	911.65	918.81	916.01	919.24	0.001257	5.24	4487.96	2158.37	0.40
Gila	Lower Gila	197.33	5_year	Withprj_Design	23500.00	905.10	917.33	913.52	917.57	0.001918	3.91	6017.29	1893.93	0.29
Gila	Lower Gila	197.33	10_year	Preproj	57000.00	911.65	920.73	918.73	921.62	0.002285	7.90	8569.72	2474.42	0.59
Gila	Lower Gila	197.33	10_year	TRWithprj	57000.00	905.10	919.91	915.97	920.50	0.002871	6.23	10426.14	2446.81	0.39
Gila	Lower Gila	197.33	10_year	Preproj_Design	57000.00	911.65	920.73	918.73	921.62	0.002285	7.90	8569.72	2474.42	0.59
Gila	Lower Gila	197.33	10_year	Withprj_Design	57000.00	905.10	919.91	915.97	920.50	0.002871	6.23	10426.14	2446.81	0.39
Gila	Lower Gila	197.33	20_year	Preproj	92000.00	911.65	922.65	920.78	923.19	0.001298	6.72	17471.10	2745.36	0.44
Gila	Lower Gila	197.33	20_year	TRWithprj	92000.00	905.10	921.93	917.81	922.39	0.001687	5.80	18998.30	2573.02	0.33
Gila	Lower Gila	197.33	20_year	Preproj_Design	92000.00	911.65	922.65	920.78	923.19	0.001298	6.72	17471.10	2745.36	0.44
Gila	Lower Gila	197.33	20_year	Withprj_Design	92000.00	905.10	921.93	917.81	922.39	0.001687	5.80	18998.30	2573.02	0.33
Gila	Lower Gila	197.33	50_year	Preproj	185000.00	911.65	925.86	921.75	926.76	0.001612	9.09	29494.86	6096.31	0.49
Gila	Lower Gila	197.33	50_year	TRWithprj	185000.00	905.10	925.37	921.42	926.15	0.002010	8.16	30589.27	5771.53	0.40
Gila	Lower Gila	197.33	50_year	Preproj_Design	185000.00	911.65	925.86	921.75	926.76	0.001612	9.09	29494.86	6096.31	0.49
Gila	Lower Gila	197.33	50_year	Withprj_Design	185000.00	905.10	925.37	921.42	926.15	0.002010	8.16	30589.27	5771.53	0.40
Gila	Lower Gila	197.33	100_year	Preproj	227000.00	911.65	926.84	922.56	927.82	0.001611	9.61	34330.54	6634.42	0.50

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	197.33	100_year	TRWithprj	227000.00	905.10	926.37	921.42	927.23	0.001923	8.70	35332.22	6375.47	0.41
Gila	Lower Gila	197.33	100_year	Preproj_Design	227000.00	911.65	926.84	922.56	927.82	0.001611	9.61	34330.54	6634.42	0.50
Gila	Lower Gila	197.33	100_year	Withprj_Design	227000.00	905.10	926.37	921.42	927.23	0.001923	8.70	35332.22	6375.47	0.41
Gila	Lower Gila	197.33	Typ Peak_year	Preproj	6700.00	911.65	915.35	913.70	915.56	0.001308	3.65	1836.41	1024.01	0.38
Gila	Lower Gila	197.33	Typ Peak_year	TRWithprj	6700.00	905.10	913.61	911.19	913.73	0.003106	2.71	2476.79	1086.78	0.27
Gila	Lower Gila	197.33	Typ Peak_year	Preproj_Design	6700.00	911.65	915.35	913.70	915.56	0.001308	3.65	1836.41	1024.01	0.38
Gila	Lower Gila	197.33	Typ Peak_year	Withprj_Design	6700.00	905.10	913.61	911.19	913.73	0.003106	2.71	2476.79	1086.78	0.27
Gila	Lower Gila	197.28	5_year	Preproj	23500.00	910.50	918.75	914.55	918.97	0.000617	3.71	6341.41	2217.52	0.26
Gila	Lower Gila	197.28	5_year	TRWithprj	23500.00	904.62	916.87	913.15	917.12	0.001740	4.02	5860.56	2117.11	0.29
Gila	Lower Gila	197.28	5_year	Preproj_Design	23500.00	910.50	918.75	914.55	918.97	0.000617	3.71	6341.41	2217.52	0.26
Gila	Lower Gila	197.28	5_year	Withprj_Design	23500.00	904.62	916.87	913.15	917.12	0.001740	4.02	5860.56	2117.11	0.29
Gila	Lower Gila	197.28	10_year	Preproj	57000.00	910.50	920.61	916.91	921.10	0.001225	5.98	11878.01	2466.09	0.38
Gila	Lower Gila	197.28	10_year	TRWithprj	57000.00	904.62	919.62	915.59	919.93	0.001452	4.80	13087.12	2469.27	0.29
Gila	Lower Gila	197.28	10_year	Preproj_Design	57000.00	910.50	920.61	916.91	921.10	0.001225	5.98	11878.01	2466.09	0.38
Gila	Lower Gila	197.28	10_year	Withprj_Design	57000.00	904.62	919.62	915.59	919.93	0.001452	4.80	13087.12	2469.27	0.29
Gila	Lower Gila	197.28	20_year	Preproj	92000.00	910.50	922.42	919.01	922.87	0.001073	6.19	19647.06	3026.63	0.38
Gila	Lower Gila	197.28	20_year	TRWithprj	92000.00	904.62	921.67	917.41	922.01	0.001213	5.20	20678.32	2742.77	0.29
Gila	Lower Gila	197.28	20_year	Preproj_Design	92000.00	910.50	922.42	919.01	922.87	0.001073	6.19	19647.06	3026.63	0.38
Gila	Lower Gila	197.28	20_year	Withprj_Design	92000.00	904.62	921.67	917.41	922.01	0.001213	5.20	20678.32	2742.77	0.29
Gila	Lower Gila	197.28	50_year	Preproj	185000.00	910.50	925.67	921.09	926.36	0.001206	7.90	32788.26	6782.64	0.41
Gila	Lower Gila	197.28	50_year	TRWithprj	185000.00	904.62	925.12	919.43	925.69	0.001357	6.92	33135.09	6187.77	0.34
Gila	Lower Gila	197.28	50_year	Preproj_Design	185000.00	910.50	925.67	921.09	926.36	0.001206	7.90	32788.26	6782.64	0.41
Gila	Lower Gila	197.28	50_year	Withprj_Design	185000.00	904.62	925.12	919.43	925.69	0.001357	6.92	33135.09	6187.77	0.34
Gila	Lower Gila	197.28	100_year	Preproj	227000.00	910.50	926.65	921.82	927.41	0.001228	8.43	38084.67	7494.07	0.42
Gila	Lower Gila	197.28	100_year	TRWithprj	227000.00	904.62	926.13	920.48	926.77	0.001364	7.54	38404.79	7118.29	0.35
Gila	Lower Gila	197.28	100_year	Preproj_Design	227000.00	910.50	926.65	921.82	927.41	0.001228	8.43	38084.67	7494.07	0.42
Gila	Lower Gila	197.28	100_year	Withprj_Design	227000.00	904.62	926.13	920.48	926.77	0.001364	7.54	38404.79	7118.29	0.35
Gila	Lower Gila	197.28	Typ Peak_year	Preproj	6700.00	910.50	915.27	912.55	915.34	0.000438	2.19	3055.74	1504.04	0.21
Gila	Lower Gila	197.28	Typ Peak_year	TRWithprj	6700.00	904.62	912.60	911.25	912.78	0.004894	3.39	1978.09	1059.98	0.38
Gila	Lower Gila	197.28	Typ Peak_year	Preproj_Design	6700.00	910.50	915.27	912.55	915.34	0.000438	2.19	3055.74	1504.04	0.21
Gila	Lower Gila	197.28	Typ Peak_year	Withprj_Design	6700.00	904.62	912.60	911.25	912.78	0.004894	3.39	1978.09	1059.98	0.38
Gila	Lower Gila	197.23	5_year	Preproj	23500.00	910.88	918.41	915.47	918.75	0.001246	4.66	5045.59	2290.58	0.38
Gila	Lower Gila	197.23	5_year	TRWithprj	23500.00	903.89	916.73	910.26	916.87	0.000522	2.94	7986.41	1929.37	0.19
Gila	Lower Gila	197.23	5_year	Preproj_Design	23500.00	910.88	918.41	915.47	918.75	0.001246	4.66	5045.59	2290.58	0.38
Gila	Lower Gila	197.23	5_year	Withprj_Design	23500.00	903.89	916.73	910.26	916.87	0.000522	2.94	7986.41	1929.37	0.19
Gila	Lower Gila	197.23	10_year	Preproj	57000.00	910.88	920.28	918.13	920.75	0.001608	6.01	11428.11	2610.63	0.44
Gila	Lower Gila	197.23	10_year	TRWithprj	57000.00	903.89	919.37	913.08	919.65	0.000896	4.53	14453.82	2553.81	0.26
Gila	Lower Gila	197.23	10_year	Preproj_Design	57000.00	910.88	920.28	918.13	920.75	0.001608	6.01	11428.11	2610.63	0.44
Gila	Lower Gila	197.23	10_year	Withprj_Design	57000.00	903.89	919.37	913.08	919.65	0.000896	4.53	14453.82	2553.81	0.26
Gila	Lower Gila	197.23	20_year	Preproj	92000.00	910.88	922.15	919.12	922.58	0.001252	6.08	19847.32	3382.72	0.39
Gila	Lower Gila	197.23	20_year	TRWithprj	92000.00	903.89	921.43	914.94	921.76	0.000862	5.07	22445.34	2979.40	0.26
Gila	Lower Gila	197.23	20_year	Preproj_Design	92000.00	910.88	922.15	919.12	922.58	0.001252	6.08	19847.32	3382.72	0.39
Gila	Lower Gila	197.23	20_year	Withprj_Design	92000.00	903.89	921.43	914.94	921.76	0.000862	5.07	22445.34	2979.40	0.26
Gila	Lower Gila	197.23	50_year	Preproj	185000.00	910.88	925.40	920.74	926.04	0.001295	7.65	33304.92	6622.59	0.41
Gila	Lower Gila	197.23	50_year	TRWithprj	185000.00	903.89	924.85	918.62	925.39	0.001061	6.81	35359.63	6050.13	0.31
Gila	Lower Gila	197.23	50_year	Preproj_Design	185000.00	910.88	925.40	920.74	926.04	0.001295	7.65	33304.92	6622.59	0.41
Gila	Lower Gila	197.23	50_year	Withprj_Design	185000.00	903.89	924.85	918.62	925.39	0.001061	6.81	35359.63	6050.13	0.31
Gila	Lower Gila	197.23	100_year	Preproj	227000.00	910.88	926.38	920.99	927.08	0.001315	8.18	38790.73	7687.65	0.42
Gila	Lower Gila	197.23	100_year	TRWithprj	227000.00	903.89	925.85	919.85	926.47	0.001076	7.38	40682.91	7149.65	0.33
Gila	Lower Gila	197.23	100_year	Preproj_Design	227000.00	910.88	926.38	920.99	927.08	0.001315	8.18	38790.73	7687.65	0.42
Gila	Lower Gila	197.23	100_year	Withprj_Design	227000.00	903.89	925.85	919.85	926.47	0.001076	7.38	40682.91	7149.65	0.33
Gila	Lower Gila	197.23	Typ Peak_year	Preproj	6700.00	910.88	914.99	913.14	915.17	0.001195	3.37	1985.59	1394.80	0.34
Gila	Lower Gila	197.23	Typ Peak_year	TRWithprj	6700.00	903.89	912.47	907.81	912.52	0.000372	1.68	3978.68	1134.11	0.14
Gila	Lower Gila	197.23	Typ Peak_year	Preproj_Design	6700.00	910.88	914.99	913.14	915.17	0.001195	3.37	1985.59	1394.80	0.34
Gila	Lower Gila	197.23	Typ Peak_year	Withprj_Design	6700.00	903.89	912.47	907.81	912.52	0.000372	1.68	3978.68	1134.11	0.14
Gila	Lower Gila	197.18	5_year	Preproj	23500.00	910.95	918.38	915.09	918.59	0.000796	3.71	6334.59	2809.49	0.28
Gila	Lower Gila	197.18	5_year	TRWithprj	23500.00	903.08	916.72	908.33	916.79	0.000474	2.09	11266.88	2519.53	0.12
Gila	Lower Gila	197.18	5_year	Preproj_Design	23500.00	910.95	918.38	915.09	918.59	0.000796	3.71	6334.59	2809.49	0.28
Gila	Lower Gila	197.18	5_year	Withprj_Design	23500.00	903.08	916.72	908.33	916.79	0.000474	2.09	11266.88	2519.53	0.12
Gila	Lower Gila	197.18	10_year	Preproj	57000.00	910.95	920.18	917.18	920.57	0.001155	5.40	12307.85	3128.56	0.36
Gila	Lower Gila	197.18	10_year	TRWithprj	57000.00	903.08	919.35	910.78	919.52	0.000714	3.41	17769.39	3105.97	0.18
Gila	Lower Gila	197.18	10_year	Preproj_Design	57000.00	910.95	920.18	917.18	920.57	0.001155	5.40	12307.85	3128.56	0.36
Gila	Lower Gila	197.18	10_year	Withprj_Design	57000.00	903.08	919.35	910.78	919.52	0.000714	3.41	17769.39	3105.97	0.18
Gila	Lower Gila	197.18	20_year	Preproj	92000.00	910.95	922.15	918.51	922.43	0.000676	4.91	23883.43	3339.41	0.29
Gila	Lower Gila	197.18	20_year	TRWithprj	92000.00	903.08	921.46	912.88	921.63	0.000541	3.67	29147.61	3313.63	0.18
Gila	Lower Gila	197.18	20_year	Preproj_Design	92000.00	910.95	922.15	918.51	922.43	0.000676	4.91	23883.43	3339.41	0.29
Gila	Lower Gila	197.18	20_year	Withprj_Design	92000.00	903.08	921.46	912.88	921.63	0.000541	3.67	29147.61	3313.63	0.18
Gila	Lower Gila	197.18	50_year	Preproj	185000.00	910.95	925.39	920.50	925.86	0.000821	6.69	37812.39	6364.00	0.34
Gila	Lower Gila	197.18	50_year	TRWithprj	185000.00	903.08	924.88	916.56	925.23	0.000655	5.41	42716.93	5943.96	0.23
Gila	Lower Gila	197.18	50_year	Preproj_Design	185000.00	910.95	925.39	920.50	925.86	0.000821	6.69	37812.39	6364.00	0.34
Gila	Lower Gila	197.18	50_year	Withprj_Design	185000.00	903.08	924.88	916.56	925.23	0.000655	5.41	42716.93	5943.96	0.23
Gila	Lower Gila	197.18	100_year	Preproj	227000.00	910.95	926.37	920.73	926.91	0.000845	7.17	43212.70	6852.17	0.35
Gila	Lower Gila	197.18	100_year	TRWithprj	227000.00	903.08	925.88	917.93	926.31	0.000671	6.08	48078.77	6545.10	0.26
Gila	Lower Gila	197.18	100_year	Preproj_Design	227000.00	910.95	926.37	920.73	926.91	0.000845	7.17	43212.70	6852.17	0.35
Gila	Lower Gila	197.18	100_year	Withprj_Design	227000.00	903.08	925.88	917.93	926.31	0.000671	6.08	48078.77	6545.10	0.26
Gila	Lower Gila	197.18	Typ Peak_year	Preproj	6700.00	910.95	914.89	913.29	915.01	0.001156	2.78	2410.85	1922.46	0.32
Gila	Lower Gila	197.18	Typ Peak_year	TRWithprj	6700.00	903.08	912.45	905.55	912.47	0.000270	1.09	6174.96	1361.18	0.08
Gila	Lower Gila	197.18	Typ Peak_year	Preproj_Design	6700.00	910.95	914.89	913.29	915.01	0.001156	2.78	2410.85	1922.46	0.32
Gila	Lower Gila	197.18	Typ Peak_year	Withprj_Design	6700.00	903.08	912.45	905.55	912.47	0.000270	1.09	6174.96	1361.18	0.08
Gila	Lower Gila	197.16	5_year	Preproj	23500.00	909.80	918.23	915.19	918.48	0.000909	3.99	5889.56	2632.28	0.30
Gila	Lower Gila	197.16	5_year	TRWithprj	23500.00	902.70	916.67	907.64	916.73	0.000389	1.98	11864.59	2170.86	0.12
Gila	Lower Gila	197.16	5_year	Preproj_Design	23500.00	909.80	918.23	915.19	918.48	0.000909	3.99	5889.56	2632.28	0.30
Gila	Lower Gila	197.16	5_year	Withprj_Design	23500.00	902.70	916.67	907.64	916.73	0.000389	1.98	11864.59	2170.86	0.12
Gila	Lower Gila	197.16	10_year	Preproj	57000.00	909.80	920.16	917.26	920.40	0.000767	4.51	16276.73	3048.08	0.30
Gila	Lower Gila	197.16	10_year	TRWithprj	57000.00	902.70	919.27	910.16	919.43	0.000637	3.33	18394.00	2808.21	0.17
Gila	Lower Gila	197.16	10_year	Preproj_Design	57000.00	909.80	920.16	917.26	920.40	0.000767	4.51	16276.73	3048.08	0.30
Gila	Lower Gila	197.16	10_year	Withprj_Design	57000.00	902.70	919.27	910.16	919.43	0.000637	3.33	18394.00	2808.21	0.17
Gila	Lower Gila	197.16	20_year	Preproj	92000.00	909.80	922.01	918.51	922.33	0.000769	5.30	22056.94	3169.41	0.31
Gila	Lower Gila	197.16	20_year	TRWithprj	92000.00	902.70	921.36	912.43	921.56	0.000542	3.88	27341.61	3145.81	0.19
Gila	Lower Gila	197.16	20_year	Preproj_Design	92000.00	909.80	922.01	918.51	922.33	0.000769	5.30	22056.94	3169.41	0.31
Gila	Lower Gila	197.16	20_year	Withprj_Design	92000.00	902.70	921.36	912.43	921.56	0.000542	3.88	27341.61	3145.81	0.19
Gila	Lower Gila	197.16	50_year	Preproj	185000.00	909.80	925.23	919.86	925.75	0.000885	7.01	36214.21	6410.51	0.35
Gila	Lower Gila	197.16	50_year	TRWithprj	185000.00	902.70	924.72	916.14	925.14	0.000692	5.82	40809.72	6095.48	0.25
Gila	Lower Gila	197.16	50_year	Preproj_Design	185000.00	909.80	925.23	919.86	925.75	0.000885	7.01	36214.21	6410.51	0.35
Gila	Lower Gila	197.16	50_year	Withprj_Design	185000.00	902.70	924.72	916.14	925.14	0.000692	5.82	40809.72	6095.48	0.25

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	197.16	100_year	Preproj	227000.00	909.80	926.20	919.93	926.78	0.000919	7.55	41470.27	6732.70	0.37
Gila	Lower Gila	197.16	100_year	TRWithprj	227000.00	902.70	925.72	917.49	926.21	0.000692	6.44	46161.95	6662.36	0.27
Gila	Lower Gila	197.16	100_year	Preproj_Design	227000.00	909.80	926.20	919.93	926.78	0.000919	7.55	41470.27	6732.70	0.37
Gila	Lower Gila	197.16	100_year	Withprj_Design	227000.00	902.70	925.72	917.49	926.21	0.000692	6.44	46161.95	6662.36	0.27
Gila	Lower Gila	197.16	Typ Peak_year	Preproj	6700.00	909.80	914.66	913.41	914.82	0.001708	3.22	2077.77	1599.94	0.39
Gila	Lower Gila	197.16	Typ Peak_year	TRWithprj	6700.00	902.70	912.43	904.96	912.44	0.000162	1.00	6672.20	1354.03	0.07
Gila	Lower Gila	197.16	Typ Peak_year	Preproj_Design	6700.00	909.80	914.66	913.41	914.82	0.001708	3.22	2077.77	1599.94	0.39
Gila	Lower Gila	197.16	Typ Peak_year	Withprj_Design	6700.00	902.70	912.43	904.96	912.44	0.000162	1.00	6672.20	1354.03	0.07
Gila	Lower Gila	197.14	5_year	Preproj	23500.00	909.26	918.04	914.56	918.24	0.001035	3.62	6496.13	2525.55	0.28
Gila	Lower Gila	197.14	5_year	TRWithprj	23500.00	902.37	916.60	907.67	916.66	0.000243	1.91	12335.57	2193.76	0.11
Gila	Lower Gila	197.14	5_year	Preproj_Design	23500.00	909.26	918.04	914.56	918.24	0.001035	3.62	6496.13	2525.55	0.28
Gila	Lower Gila	197.14	5_year	Withprj_Design	23500.00	902.37	916.60	907.67	916.66	0.000243	1.91	12335.57	2193.76	0.11
Gila	Lower Gila	197.14	10_year	Preproj	57000.00	909.26	919.99	916.82	920.21	0.000826	4.10	15639.42	3055.81	0.27
Gila	Lower Gila	197.14	10_year	TRWithprj	57000.00	902.37	919.17	910.32	919.31	0.000394	3.11	19703.10	2831.18	0.16
Gila	Lower Gila	197.14	10_year	Preproj_Design	57000.00	909.26	919.99	916.82	920.21	0.000826	4.10	15639.42	3055.81	0.27
Gila	Lower Gila	197.14	10_year	Withprj_Design	57000.00	902.37	919.17	910.32	919.31	0.000394	3.11	19703.10	2831.18	0.16
Gila	Lower Gila	197.14	20_year	Preproj	92000.00	909.26	921.83	918.31	922.13	0.000827	4.92	21539.87	3383.65	0.29
Gila	Lower Gila	197.14	20_year	TRWithprj	92000.00	902.37	921.25	912.16	921.45	0.000405	3.85	27496.70	3161.23	0.18
Gila	Lower Gila	197.14	20_year	Preproj_Design	92000.00	909.26	921.83	918.31	922.13	0.000827	4.92	21539.87	3383.65	0.29
Gila	Lower Gila	197.14	20_year	Withprj_Design	92000.00	902.37	921.25	912.16	921.45	0.000405	3.85	27496.70	3161.23	0.18
Gila	Lower Gila	197.14	50_year	Preproj	185000.00	909.26	925.03	919.93	925.53	0.000927	6.56	35799.21	6283.83	0.33
Gila	Lower Gila	197.14	50_year	TRWithprj	185000.00	902.37	924.59	915.69	924.99	0.000541	5.61	41360.32	6007.05	0.24
Gila	Lower Gila	197.14	50_year	Preproj_Design	185000.00	909.26	925.03	919.93	925.53	0.000927	6.56	35799.21	6283.83	0.33
Gila	Lower Gila	197.14	50_year	Withprj_Design	185000.00	902.37	924.59	915.69	924.99	0.000541	5.61	41360.32	6007.05	0.24
Gila	Lower Gila	197.14	100_year	Preproj	227000.00	909.26	925.99	920.09	926.56	0.000955	7.09	40916.59	6654.95	0.34
Gila	Lower Gila	197.14	100_year	TRWithprj	227000.00	902.37	925.58	916.94	926.06	0.000581	6.29	46564.71	6564.63	0.26
Gila	Lower Gila	197.14	100_year	Preproj_Design	227000.00	909.26	925.99	920.09	926.56	0.000955	7.09	40916.59	6654.95	0.34
Gila	Lower Gila	197.14	100_year	Withprj_Design	227000.00	902.37	925.58	916.94	926.06	0.000581	6.29	46564.71	6564.63	0.26
Gila	Lower Gila	197.14	Typ Peak_year	Preproj	6700.00	909.26	914.18	912.66	914.33	0.002668	3.05	2195.63	1305.78	0.35
Gila	Lower Gila	197.14	Typ Peak_year	TRWithprj	6700.00	902.37	912.40	904.69	912.41	0.000119	0.95	7023.83	1342.51	0.07
Gila	Lower Gila	197.14	Typ Peak_year	Preproj_Design	6700.00	909.26	914.18	912.66	914.33	0.002668	3.05	2195.63	1305.78	0.35
Gila	Lower Gila	197.14	Typ Peak_year	Withprj_Design	6700.00	902.37	912.40	904.69	912.41	0.000119	0.95	7023.83	1342.51	0.07
Gila	Lower Gila	197.09	5_year	Preproj	23500.00	908.08	917.71	914.14	917.99	0.001059	4.25	5535.90	2528.45	0.33
Gila	Lower Gila	197.09	5_year	TRWithprj	23500.00	901.97	916.56	906.81	916.62	0.000105	1.93	12182.00	2425.62	0.11
Gila	Lower Gila	197.09	5_year	Preproj_Design	23500.00	908.08	917.71	914.14	917.99	0.001059	4.25	5535.90	2528.45	0.33
Gila	Lower Gila	197.09	5_year	Withprj_Design	23500.00	901.97	916.56	906.81	916.62	0.000105	1.93	12182.00	2425.62	0.11
Gila	Lower Gila	197.09	10_year	Preproj	57000.00	908.08	919.81	916.78	920.02	0.000690	4.11	16567.58	3230.98	0.28
Gila	Lower Gila	197.09	10_year	TRWithprj	57000.00	901.97	919.10	909.71	919.24	0.000216	3.16	22793.13	3036.63	0.16
Gila	Lower Gila	197.09	10_year	Preproj_Design	57000.00	908.08	919.81	916.78	920.02	0.000690	4.11	16567.58	3230.98	0.28
Gila	Lower Gila	197.09	10_year	Withprj_Design	57000.00	901.97	919.10	909.71	919.24	0.000216	3.16	22793.13	3036.63	0.16
Gila	Lower Gila	197.09	20_year	Preproj	92000.00	908.08	921.70	918.01	921.94	0.000623	4.62	24646.96	3637.29	0.28
Gila	Lower Gila	197.09	20_year	TRWithprj	92000.00	901.97	921.17	911.45	921.37	0.000277	3.97	30800.66	3550.92	0.18
Gila	Lower Gila	197.09	20_year	Preproj_Design	92000.00	908.08	921.70	918.01	921.94	0.000623	4.62	24646.96	3637.29	0.28
Gila	Lower Gila	197.09	20_year	Withprj_Design	92000.00	901.97	921.17	911.45	921.37	0.000277	3.97	30800.66	3550.92	0.18
Gila	Lower Gila	197.09	50_year	Preproj	185000.00	908.08	924.90	918.94	925.30	0.000719	6.14	39610.62	6927.87	0.32
Gila	Lower Gila	197.09	50_year	TRWithprj	185000.00	901.97	924.49	915.30	924.87	0.000421	5.68	45472.38	6806.64	0.24
Gila	Lower Gila	197.09	50_year	Preproj_Design	185000.00	908.08	924.90	918.94	925.30	0.000719	6.14	39610.62	6927.87	0.32
Gila	Lower Gila	197.09	50_year	Withprj_Design	185000.00	901.97	924.49	915.30	924.87	0.000421	5.68	45472.38	6806.64	0.24
Gila	Lower Gila	197.09	100_year	Preproj	227000.00	908.08	925.86	919.75	926.32	0.000754	6.63	44867.52	7570.30	0.33
Gila	Lower Gila	197.09	100_year	TRWithprj	227000.00	901.97	925.49	916.79	925.92	0.000459	6.21	50875.50	7412.49	0.25
Gila	Lower Gila	197.09	100_year	Preproj_Design	227000.00	908.08	925.86	919.75	926.32	0.000754	6.63	44867.52	7570.30	0.33
Gila	Lower Gila	197.09	100_year	Withprj_Design	227000.00	901.97	925.49	916.79	925.92	0.000459	6.21	50875.50	7412.49	0.25
Gila	Lower Gila	197.09	Typ Peak_year	Preproj	6700.00	908.08	913.73	911.68	913.89	0.001339	3.28	2039.68	1623.56	0.35
Gila	Lower Gila	197.09	Typ Peak_year	TRWithprj	6700.00	901.97	912.38	904.01	912.40	0.000036	0.90	7460.01	1629.22	0.06
Gila	Lower Gila	197.09	Typ Peak_year	Preproj_Design	6700.00	908.08	913.73	911.68	913.89	0.001339	3.28	2039.68	1623.56	0.35
Gila	Lower Gila	197.09	Typ Peak_year	Withprj_Design	6700.00	901.97	912.38	904.01	912.40	0.000036	0.90	7460.01	1629.22	0.06
Gila	Lower Gila	197.05	5_year	Preproj	23500.00	908.12	917.39	913.35	917.65	0.001365	4.07	5769.52	2196.54	0.32
Gila	Lower Gila	197.05	5_year	TRWithprj	23500.00	901.50	916.51	906.55	916.57	0.000418	1.97	11941.80	1854.43	0.11
Gila	Lower Gila	197.05	5_year	Preproj_Design	23500.00	908.12	917.39	913.35	917.65	0.001365	4.07	5769.52	2196.54	0.32
Gila	Lower Gila	197.05	5_year	Withprj_Design	23500.00	901.50	916.51	906.55	916.57	0.000418	1.97	11941.80	1854.43	0.11
Gila	Lower Gila	197.05	10_year	Preproj	57000.00	908.12	919.46	916.27	919.77	0.001189	4.85	13371.89	2835.12	0.32
Gila	Lower Gila	197.05	10_year	TRWithprj	57000.00	901.50	919.01	909.59	919.15	0.000630	3.11	19585.45	2735.24	0.15
Gila	Lower Gila	197.05	10_year	Preproj_Design	57000.00	908.12	919.46	916.27	919.77	0.001189	4.85	13371.89	2835.12	0.32
Gila	Lower Gila	197.05	10_year	Withprj_Design	57000.00	901.50	919.01	909.59	919.15	0.000630	3.11	19585.45	2735.24	0.15
Gila	Lower Gila	197.05	20_year	Preproj	92000.00	908.12	921.34	917.71	921.71	0.001053	5.48	20270.93	3442.68	0.33
Gila	Lower Gila	197.05	20_year	TRWithprj	92000.00	901.50	921.04	911.39	921.25	0.000646	3.98	26529.60	3300.09	0.18
Gila	Lower Gila	197.05	20_year	Preproj_Design	92000.00	908.12	921.34	917.71	921.71	0.001053	5.48	20270.93	3442.68	0.33
Gila	Lower Gila	197.05	20_year	Withprj_Design	92000.00	901.50	921.04	911.39	921.25	0.000646	3.98	26529.60	3300.09	0.18
Gila	Lower Gila	197.05	50_year	Preproj	185000.00	908.12	924.46	919.56	925.04	0.001106	7.01	34685.83	7498.29	0.36
Gila	Lower Gila	197.05	50_year	TRWithprj	185000.00	901.50	924.30	915.28	924.71	0.000717	5.74	41084.13	7403.07	0.24
Gila	Lower Gila	197.05	50_year	Preproj_Design	185000.00	908.12	924.46	919.56	925.04	0.001106	7.01	34685.83	7498.29	0.36
Gila	Lower Gila	197.05	50_year	Withprj_Design	185000.00	901.50	924.30	915.28	924.71	0.000717	5.74	41084.13	7403.07	0.24
Gila	Lower Gila	197.05	100_year	Preproj	227000.00	908.12	925.39	920.48	926.04	0.001147	7.57	39901.64	7806.69	0.37
Gila	Lower Gila	197.05	100_year	TRWithprj	227000.00	901.50	925.26	916.77	925.76	0.000714	6.47	46415.14	7775.01	0.26
Gila	Lower Gila	197.05	100_year	Preproj_Design	227000.00	908.12	925.39	920.48	926.04	0.001147	7.57	39901.64	7806.69	0.37
Gila	Lower Gila	197.05	100_year	Withprj_Design	227000.00	901.50	925.26	916.77	925.76	0.000714	6.47	46415.14	7775.01	0.26
Gila	Lower Gila	197.05	Typ Peak_year	Preproj	6700.00	908.12	913.40	910.98	913.53	0.001254	2.94	2281.53	1098.17	0.28
Gila	Lower Gila	197.05	Typ Peak_year	TRWithprj	6700.00	901.50	912.37	903.64	912.38	0.000158	0.90	7455.73	1425.70	0.06
Gila	Lower Gila	197.05	Typ Peak_year	Preproj_Design	6700.00	908.12	913.40	910.98	913.53	0.001254	2.94	2281.53	1098.17	0.28
Gila	Lower Gila	197.05	Typ Peak_year	Withprj_Design	6700.00	901.50	912.37	903.64	912.38	0.000158	0.90	7455.73	1425.70	0.06
Gila	Lower Gila	196.99	5_year	Preproj	23500.00	906.40	916.96	912.98	917.24	0.001327	4.31	5450.84	1699.95	0.34
Gila	Lower Gila	196.99	5_year	TRWithprj	23500.00	900.88	916.42	907.11	916.50	0.000164	2.21	10650.71	1616.37	0.13
Gila	Lower Gila	196.99	5_year	Preproj_Design	23500.00	906.40	916.96	912.98	917.24	0.001327	4.31	5450.84	1699.95	0.34
Gila	Lower Gila	196.99	5_year	Withprj_Design	23500.00	900.88	916.42	907.11	916.50	0.000164	2.21	10650.71	1616.37	0.13
Gila	Lower Gila	196.99	10_year	Preproj	57000.00	906.40	918.93	916.11	919.36	0.001499	5.62	11183.37	2354.23	0.38
Gila	Lower Gila	196.99	10_year	TRWithprj	57000.00	900.88	918.69	909.99	918.97	0.000484	4.24	14283.26	2328.35	0.22
Gila	Lower Gila	196.99	10_year	Preproj_Design	57000.00	906.40	918.93	916.11	919.36	0.001499	5.62	11183.37	2354.23	0.38
Gila	Lower Gila	196.99	10_year	Withprj_Design	57000.00	900.88	918.69	909.99	918.97	0.000484	4.24	14283.26	2328.35	0.22
Gila	Lower Gila	196.99	20_year	Preproj	92000.00	906.40	920.72	917.51	921.31	0.001515	6.67	16016.12	2918.37	0.40
Gila	Lower Gila	196.99	20_year	TRWithprj	92000.00	900.88	920.60	911.98	921.03	0.000666	5.52	19296.24	2880.55	0.26
Gila	Lower Gila	196.99	20_year	Preproj_Design	92000.00	906.40	920.72	917.51	921.31	0.001515	6.67	16016.12	2918.37	0.40
Gila	Lower Gila	196.99	20_year	Withprj_Design	92000.00	900.88	920.60	911.98	921.03	0.000666	5.52	19296.24	2880.55	0.26
Gila	Lower Gila	196.99	50_year	Preproj	185000.00	906.40	923.74	920.04	924.61	0.001609	8.49	29235.21	6147.55	0.44
Gila	Lower Gila	196.99	50_year	TRWithprj	185000.00	900.88	923.66	916.42	924.43	0.000976	7.75	32399.00	6036.26	0.34
Gila	Lower Gila	196.99	50_year	Preproj_Design	185000.00	906.40	923.74	920.04	924.61	0.001609	8.49	29235.21	6147.55	0.44

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G Elev	E.G Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	196.99	50_year	Withprj_Design	185000.00	900.88	923.66	916.42	924.43	0.000976	7.75	32399.00	6036.26	0.34
Gila	Lower Gila	196.99	100_year	Preproj	227000.00	906.40	924.68	921.10	925.61	0.001625	9.05	34957.98	8334.42	0.45
Gila	Lower Gila	196.99	100_year	TRWithprj	227000.00	900.88	924.58	918.85	925.46	0.001054	8.49	38007.16	8302.17	0.36
Gila	Lower Gila	196.99	100_year	Preproj_Design	227000.00	906.40	924.68	921.10	925.61	0.001625	9.05	34957.98	8334.42	0.45
Gila	Lower Gila	196.99	100_year	Withprj_Design	227000.00	900.88	924.58	918.85	925.46	0.001054	8.49	38007.16	8302.17	0.36
Gila	Lower Gila	196.99	Typ Peak_year	Preproj	6700.00	906.40	913.03	910.35	913.17	0.001140	3.05	2195.72	807.85	0.28
Gila	Lower Gila	196.99	Typ Peak_year	TRWithprj	6700.00	900.88	912.34	903.49	912.35	0.000049	1.03	6520.55	1110.97	0.07
Gila	Lower Gila	196.99	Typ Peak_year	Preproj_Design	6700.00	906.40	913.03	910.35	913.17	0.001140	3.05	2195.72	807.85	0.28
Gila	Lower Gila	196.99	Typ Peak_year	Withprj_Design	6700.00	900.88	912.34	903.49	912.35	0.000049	1.03	6520.55	1110.97	0.07
Gila	Lower Gila	196.94	5_year	Preproj	23500.00	906.40	916.28	912.09	916.61	0.002183	4.65	5053.12	1632.58	0.35
Gila	Lower Gila	196.94	5_year	TRWithprj	23500.00	900.40	916.25	908.27	916.36	0.001453	2.61	8996.84	1638.28	0.15
Gila	Lower Gila	196.94	5_year	Preproj_Design	23500.00	906.40	916.28	912.09	916.61	0.002183	4.65	5053.12	1632.58	0.35
Gila	Lower Gila	196.94	5_year	Withprj_Design	23500.00	900.40	916.25	908.27	916.36	0.001453	2.61	8996.84	1638.28	0.15
Gila	Lower Gila	196.94	10_year	Preproj	57000.00	906.40	918.31	915.71	918.74	0.001865	5.50	10840.22	2603.69	0.36
Gila	Lower Gila	196.94	10_year	TRWithprj	57000.00	900.40	918.42	910.86	918.65	0.001633	3.51	15121.51	2654.67	0.19
Gila	Lower Gila	196.94	10_year	Preproj_Design	57000.00	906.40	918.31	915.71	918.74	0.001865	5.50	10840.22	2603.69	0.36
Gila	Lower Gila	196.94	10_year	Withprj_Design	57000.00	900.40	918.42	910.86	918.65	0.001633	3.51	15121.51	2654.67	0.19
Gila	Lower Gila	196.94	20_year	Preproj	92000.00	906.40	920.18	916.71	920.72	0.001626	6.41	16862.67	3264.52	0.38
Gila	Lower Gila	196.94	20_year	TRWithprj	92000.00	900.40	920.34	913.07	920.65	0.001429	4.41	21394.23	3408.09	0.22
Gila	Lower Gila	196.94	20_year	Preproj_Design	92000.00	906.40	920.18	916.71	920.72	0.001626	6.41	16862.67	3264.52	0.38
Gila	Lower Gila	196.94	20_year	Withprj_Design	92000.00	900.40	920.34	913.07	920.65	0.001429	4.41	21394.23	3408.09	0.22
Gila	Lower Gila	196.94	50_year	Preproj	185000.00	906.40	923.23	919.48	923.98	0.001613	8.17	31301.02	6787.52	0.42
Gila	Lower Gila	196.94	50_year	TRWithprj	185000.00	900.40	923.43	917.37	923.91	0.001429	6.10	36547.06	6864.56	0.27
Gila	Lower Gila	196.94	50_year	Preproj_Design	185000.00	906.40	923.23	919.48	923.98	0.001613	8.17	31301.02	6787.52	0.42
Gila	Lower Gila	196.94	50_year	Withprj_Design	185000.00	900.40	923.43	917.37	923.91	0.001429	6.10	36547.06	6864.56	0.27
Gila	Lower Gila	196.94	100_year	Preproj	227000.00	906.40	924.19	919.90	924.98	0.001537	8.59	37301.77	8148.37	0.42
Gila	Lower Gila	196.94	100_year	TRWithprj	227000.00	900.40	924.38	918.40	924.93	0.001312	6.67	42550.14	8173.81	0.28
Gila	Lower Gila	196.94	100_year	Preproj_Design	227000.00	906.40	924.19	919.90	924.98	0.001537	8.59	37301.77	8148.37	0.42
Gila	Lower Gila	196.94	100_year	Withprj_Design	227000.00	900.40	924.38	918.40	924.93	0.001312	6.67	42550.14	8173.81	0.28
Gila	Lower Gila	196.94	Typ Peak_year	Preproj	6700.00	906.40	912.58	909.60	912.71	0.001332	2.90	2310.06	688.31	0.24
Gila	Lower Gila	196.94	Typ Peak_year	TRWithprj	6700.00	900.40	912.29	904.37	912.31	0.000411	1.23	5453.80	981.00	0.08
Gila	Lower Gila	196.94	Typ Peak_year	Preproj_Design	6700.00	906.40	912.58	909.60	912.71	0.001332	2.90	2310.06	688.31	0.24
Gila	Lower Gila	196.94	Typ Peak_year	Withprj_Design	6700.00	900.40	912.29	904.37	912.31	0.000411	1.23	5453.80	981.00	0.08
Gila	Lower Gila	196.87	5_year	Preproj	23500.00	906.40	915.73	912.22	916.06	0.001460	4.55	5165.26	1736.26	0.35
Gila	Lower Gila	196.87	5_year	TRWithprj	23500.00	902.07	915.80	910.50	915.97	0.001027	3.28	7170.10	1749.11	0.22
Gila	Lower Gila	196.87	5_year	Preproj_Design	23500.00	906.40	915.73	912.22	916.06	0.001460	4.55	5165.26	1736.26	0.35
Gila	Lower Gila	196.87	5_year	Withprj_Design	23500.00	902.07	915.80	910.50	915.97	0.001027	3.28	7170.10	1749.11	0.22
Gila	Lower Gila	196.87	10_year	Preproj	57000.00	906.40	917.97	915.24	918.30	0.000987	4.66	12747.36	2494.24	0.31
Gila	Lower Gila	196.87	10_year	TRWithprj	57000.00	902.07	918.03	913.00	918.27	0.000951	3.69	14822.07	2508.40	0.22
Gila	Lower Gila	196.87	10_year	Preproj_Design	57000.00	906.40	917.97	915.24	918.30	0.000987	4.66	12747.36	2494.24	0.31
Gila	Lower Gila	196.87	10_year	Withprj_Design	57000.00	902.07	918.03	913.00	918.27	0.000951	3.69	14822.07	2508.40	0.22
Gila	Lower Gila	196.87	20_year	Preproj	92000.00	906.40	919.80	916.01	920.27	0.001166	6.02	17909.85	3502.22	0.35
Gila	Lower Gila	196.87	20_year	TRWithprj	92000.00	902.07	919.89	915.06	920.24	0.001187	4.84	20137.93	3572.27	0.26
Gila	Lower Gila	196.87	20_year	Preproj_Design	92000.00	906.40	919.80	916.01	920.27	0.001166	6.02	17909.85	3502.22	0.35
Gila	Lower Gila	196.87	20_year	Withprj_Design	92000.00	902.07	919.89	915.06	920.24	0.001187	4.84	20137.93	3572.27	0.26
Gila	Lower Gila	196.87	50_year	Preproj	185000.00	906.40	922.88	918.41	923.53	0.001154	7.41	33729.36	6346.14	0.38
Gila	Lower Gila	196.87	50_year	TRWithprj	185000.00	902.07	922.98	917.38	923.50	0.001195	6.09	36309.47	6396.59	0.29
Gila	Lower Gila	196.87	50_year	Preproj_Design	185000.00	906.40	922.88	918.41	923.53	0.001154	7.41	33729.36	6346.14	0.38
Gila	Lower Gila	196.87	50_year	Withprj_Design	185000.00	902.07	922.98	917.38	923.50	0.001195	6.09	36309.47	6396.59	0.29
Gila	Lower Gila	196.87	100_year	Preproj	227000.00	906.40	923.85	919.41	924.54	0.001144	7.83	39770.77	6840.00	0.38
Gila	Lower Gila	196.87	100_year	TRWithprj	227000.00	902.07	923.97	918.47	924.53	0.001244	6.81	42483.13	6956.73	0.31
Gila	Lower Gila	196.87	100_year	Preproj_Design	227000.00	906.40	923.85	919.41	924.54	0.001144	7.83	39770.77	6840.00	0.38
Gila	Lower Gila	196.87	100_year	Withprj_Design	227000.00	902.07	923.97	918.47	924.53	0.001244	6.81	42483.13	6956.73	0.31
Gila	Lower Gila	196.87	Typ Peak_year	Preproj	6700.00	906.40	912.15	909.45	912.30	0.001294	3.07	2180.37	952.70	0.29
Gila	Lower Gila	196.87	Typ Peak_year	TRWithprj	6700.00	902.07	912.11	908.19	912.16	0.000558	1.81	3699.86	1171.00	0.15
Gila	Lower Gila	196.87	Typ Peak_year	Preproj_Design	6700.00	906.40	912.15	909.45	912.30	0.001294	3.07	2180.37	952.70	0.29
Gila	Lower Gila	196.87	Typ Peak_year	Withprj_Design	6700.00	902.07	912.11	908.19	912.16	0.000558	1.81	3699.86	1171.00	0.15
Gila	Lower Gila	196.81	5_year	Preproj	23500.00	906.40	915.45	911.58	915.67	0.001092	3.74	6280.01	2088.52	0.28
Gila	Lower Gila	196.81	5_year	TRWithprj	23500.00	906.40	915.45	911.58	915.66	0.001096	3.75	6274.18	2086.89	0.28
Gila	Lower Gila	196.81	5_year	Preproj_Design	23500.00	906.40	915.45	911.58	915.67	0.001092	3.74	6280.01	2088.52	0.28
Gila	Lower Gila	196.81	5_year	Withprj_Design	23500.00	906.40	915.45	911.58	915.66	0.001096	3.75	6274.18	2086.89	0.28
Gila	Lower Gila	196.81	10_year	Preproj	57000.00	906.40	917.80	914.00	918.04	0.000686	3.87	14646.88	2553.08	0.24
Gila	Lower Gila	196.81	10_year	TRWithprj	57000.00	906.40	917.81	914.00	918.04	0.000684	3.87	14655.05	2553.40	0.24
Gila	Lower Gila	196.81	10_year	Preproj_Design	57000.00	906.40	917.80	914.00	918.04	0.000686	3.87	14646.88	2553.08	0.24
Gila	Lower Gila	196.81	10_year	Withprj_Design	57000.00	906.40	917.81	914.00	918.04	0.000684	3.87	14655.05	2553.40	0.24
Gila	Lower Gila	196.81	20_year	Preproj	92000.00	906.40	919.62	915.71	919.97	0.000779	4.90	20405.16	3539.68	0.28
Gila	Lower Gila	196.81	20_year	TRWithprj	92000.00	906.40	919.62	915.71	919.97	0.000779	4.90	20405.16	3539.68	0.28
Gila	Lower Gila	196.81	20_year	Preproj_Design	92000.00	906.40	919.62	915.71	919.97	0.000779	4.90	20405.16	3539.68	0.28
Gila	Lower Gila	196.81	20_year	Withprj_Design	92000.00	906.40	919.62	915.71	919.97	0.000779	4.90	20405.16	3539.68	0.28
Gila	Lower Gila	196.81	50_year	Preproj	185000.00	906.40	922.67	917.15	923.20	0.000907	6.53	36295.98	6285.72	0.32
Gila	Lower Gila	196.81	50_year	TRWithprj	185000.00	906.40	922.67	917.15	923.20	0.000907	6.53	36295.98	6285.72	0.32
Gila	Lower Gila	196.81	50_year	Preproj_Design	185000.00	906.40	922.67	917.15	923.20	0.000907	6.53	36295.98	6285.72	0.32
Gila	Lower Gila	196.81	50_year	Withprj_Design	185000.00	906.40	922.67	917.15	923.20	0.000907	6.53	36295.98	6285.72	0.32
Gila	Lower Gila	196.81	100_year	Preproj	227000.00	906.40	923.63	918.18	924.22	0.000919	6.98	42517.39	6764.93	0.33
Gila	Lower Gila	196.81	100_year	TRWithprj	227000.00	906.40	923.63	918.18	924.22	0.000919	6.98	42517.39	6764.93	0.33
Gila	Lower Gila	196.81	100_year	Preproj_Design	227000.00	906.40	923.63	918.18	924.22	0.000919	6.98	42517.39	6764.93	0.33
Gila	Lower Gila	196.81	100_year	Withprj_Design	227000.00	906.40	923.63	918.18	924.22	0.000919	6.98	42517.39	6764.93	0.33
Gila	Lower Gila	196.81	Typ Peak_year	Preproj	6700.00	906.40	911.83	909.36	911.93	0.001186	2.60	2576.70	1240.36	0.26
Gila	Lower Gila	196.81	Typ Peak_year	TRWithprj	6700.00	906.40	911.83	909.36	911.93	0.001186	2.60	2576.70	1240.36	0.26
Gila	Lower Gila	196.81	Typ Peak_year	Preproj_Design	6700.00	906.40	911.83	909.36	911.93	0.001186	2.60	2576.70	1240.36	0.26
Gila	Lower Gila	196.81	Typ Peak_year	Withprj_Design	6700.00	906.40	911.83	909.36	911.93	0.001186	2.60	2576.70	1240.36	0.26
Gila	Lower Gila	196.75	5_year	Preproj	23500.00	906.28	915.14	910.94	915.31	0.000972	3.36	6998.89	2244.07	0.25
Gila	Lower Gila	196.75	5_year	TRWithprj	23500.00	906.28	915.13	910.94	915.31	0.000976	3.36	6991.29	2243.17	0.25
Gila	Lower Gila	196.75	5_year	Preproj_Design	23500.00	906.28	915.14	910.94	915.31	0.000972	3.36	6998.89	2244.07	0.25
Gila	Lower Gila	196.75	5_year	Withprj_Design	23500.00	906.28	915.13	910.94	915.31	0.000976	3.36	6991.29	2243.17	0.25
Gila	Lower Gila	196.75	10_year	Preproj	57000.00	906.28	917.62	913.27	917.81	0.000622	3.52	16629.94	3047.67	0.22
Gila	Lower Gila	196.75	10_year	TRWithprj	57000.00	906.28	917.62	913.27	917.81	0.000620	3.52	16640.70	3048.69	0.22
Gila	Lower Gila	196.75	10_year	Preproj_Design	57000.00	906.28	917.62	913.27	917.81	0.000622	3.52	16629.94	3047.67	0.22
Gila	Lower Gila	196.75	10_year	Withprj_Design	57000.00	906.28	917.62	913.27	917.81	0.000620	3.52	16640.70	3048.69	0.22
Gila	Lower Gila	196.75	20_year	Preproj	92000.00	906.28	919.43	914.99	919.70	0.000682	4.43	23144.24	3801.41	0.25
Gila	Lower Gila	196.75	20_year	TRWithprj	92000.00	906.28	919.43	914.99	919.70	0.000682	4.43	23144.24	3801.41	0.25
Gila	Lower Gila	196.75	20_year	Preproj_Design	92000.00	906.28	919.43	914.99	919.70	0.000682	4.43	23144.24	3801.41	0.25
Gila	Lower Gila	196.75	20_year	Withprj_Design	92000.00	906.28	919.43	914.99	919.70	0.000682	4.43	23144.24	3801.41	0.25
Gila	Lower Gila	196.75	50_year	Preproj	185000.00	906.28	922.45	916.47	922.89	0.000801	5.95	39410.41	6318.88	0.29
Gila	Lower Gila	196.75	50_year	TRWithprj	185000.00	906.28	922.45	916.47	922.89	0.000801	5.95	39410.41	6318.88	0.29

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	196.75	50_year	Preproj_Design	185000.00	906.28	922.45	916.47	922.89	0.000801	5.95	39410.41	6318.88	0.29
Gila	Lower Gila	196.75	50_year	Withprj_Design	185000.00	906.28	922.45	916.47	922.89	0.000801	5.95	39410.41	6318.88	0.29
Gila	Lower Gila	196.75	100_year	Preproj	227000.00	906.28	923.41	917.39	923.91	0.000819	6.42	45689.25	6681.39	0.30
Gila	Lower Gila	196.75	100_year	TRWithprj	227000.00	906.28	923.41	917.39	923.91	0.000819	6.42	45689.25	6681.39	0.30
Gila	Lower Gila	196.75	100_year	Preproj_Design	227000.00	906.28	923.41	917.39	923.91	0.000819	6.42	45689.25	6681.39	0.30
Gila	Lower Gila	196.75	100_year	Withprj_Design	227000.00	906.28	923.41	917.39	923.91	0.000819	6.42	45689.25	6681.39	0.30
Gila	Lower Gila	196.75	Typ Peak_year	Preproj	6700.00	906.28	911.46	908.98	911.54	0.001137	2.28	2939.33	1339.03	0.23
Gila	Lower Gila	196.75	Typ Peak_year	TRWithprj	6700.00	906.28	911.46	908.98	911.54	0.001137	2.28	2939.33	1339.03	0.23
Gila	Lower Gila	196.75	Typ Peak_year	Preproj_Design	6700.00	906.28	911.46	908.98	911.54	0.001137	2.28	2939.33	1339.03	0.23
Gila	Lower Gila	196.75	Typ Peak_year	Withprj_Design	6700.00	906.28	911.46	908.98	911.54	0.001137	2.28	2939.33	1339.03	0.23
Gila	Lower Gila	196.69	5_year	Preproj	23500.00	906.54	914.89	909.98	915.01	0.000841	2.77	8486.59	2258.58	0.19
Gila	Lower Gila	196.69	5_year	TRWithprj	23500.00	906.54	914.88	909.98	915.00	0.000844	2.77	8477.44	2257.17	0.19
Gila	Lower Gila	196.69	5_year	Preproj_Design	23500.00	906.54	914.89	909.98	915.01	0.000841	2.77	8486.59	2258.58	0.19
Gila	Lower Gila	196.69	5_year	Withprj_Design	23500.00	906.54	914.88	909.98	915.00	0.000844	2.77	8477.44	2257.17	0.19
Gila	Lower Gila	196.69	10_year	Preproj	57000.00	906.54	917.32	911.90	917.55	0.001026	4.12	15878.92	2715.82	0.24
Gila	Lower Gila	196.69	10_year	TRWithprj	57000.00	906.54	917.32	911.90	917.55	0.001026	4.12	15891.44	2716.25	0.24
Gila	Lower Gila	196.69	10_year	Preproj_Design	57000.00	906.54	917.32	911.90	917.55	0.001026	4.12	15878.92	2715.82	0.24
Gila	Lower Gila	196.69	10_year	Withprj_Design	57000.00	906.54	917.32	911.90	917.55	0.001026	4.12	15891.44	2716.25	0.24
Gila	Lower Gila	196.69	20_year	Preproj	92000.00	906.54	919.08	913.55	919.43	0.001041	5.16	21493.70	4125.91	0.28
Gila	Lower Gila	196.69	20_year	TRWithprj	92000.00	906.54	919.08	913.55	919.43	0.001041	5.16	21493.70	4125.91	0.28
Gila	Lower Gila	196.69	20_year	Preproj_Design	92000.00	906.54	919.08	913.55	919.43	0.001041	5.16	21493.70	4125.91	0.28
Gila	Lower Gila	196.69	20_year	Withprj_Design	92000.00	906.54	919.08	913.55	919.43	0.001041	5.16	21493.70	4125.91	0.28
Gila	Lower Gila	196.69	50_year	Preproj	185000.00	906.54	922.07	915.22	922.59	0.001075	6.67	37914.98	6300.08	0.32
Gila	Lower Gila	196.69	50_year	TRWithprj	185000.00	906.54	922.07	915.22	922.59	0.001075	6.67	37914.98	6300.08	0.32
Gila	Lower Gila	196.69	50_year	Preproj_Design	185000.00	906.54	922.07	915.22	922.59	0.001075	6.67	37914.98	6300.08	0.32
Gila	Lower Gila	196.69	50_year	Withprj_Design	185000.00	906.54	922.07	915.22	922.59	0.001075	6.67	37914.98	6300.08	0.32
Gila	Lower Gila	196.69	100_year	Preproj	227000.00	906.54	923.03	917.90	923.60	0.001044	7.13	44157.43	6576.37	0.33
Gila	Lower Gila	196.69	100_year	TRWithprj	227000.00	906.54	923.03	917.90	923.60	0.001044	7.13	44157.43	6576.37	0.33
Gila	Lower Gila	196.69	100_year	Preproj_Design	227000.00	906.54	923.03	917.90	923.60	0.001044	7.13	44157.43	6576.37	0.33
Gila	Lower Gila	196.69	100_year	Withprj_Design	227000.00	906.54	923.03	917.90	923.60	0.001044	7.13	44157.43	6576.37	0.33
Gila	Lower Gila	196.69	Typ Peak_year	Preproj	6700.00	906.54	911.19	908.41	911.24	0.000734	1.65	4062.10	1218.37	0.15
Gila	Lower Gila	196.69	Typ Peak_year	TRWithprj	6700.00	906.54	911.19	908.41	911.24	0.000734	1.65	4062.10	1218.37	0.15
Gila	Lower Gila	196.69	Typ Peak_year	Preproj_Design	6700.00	906.54	911.19	908.41	911.24	0.000734	1.65	4062.10	1218.37	0.15
Gila	Lower Gila	196.69	Typ Peak_year	Withprj_Design	6700.00	906.54	911.19	908.41	911.24	0.000734	1.65	4062.10	1218.37	0.15
Gila	Lower Gila	196.63	5_year	Preproj	23500.00	906.38	914.61	910.26	914.78	0.000609	3.32	7084.86	2271.78	0.23
Gila	Lower Gila	196.63	5_year	TRWithprj	23500.00	906.38	914.60	910.26	914.77	0.000612	3.32	7075.82	2270.99	0.23
Gila	Lower Gila	196.63	5_year	Preproj_Design	23500.00	906.38	914.61	910.26	914.78	0.000609	3.32	7084.86	2271.78	0.23
Gila	Lower Gila	196.63	5_year	Withprj_Design	23500.00	906.38	914.60	910.26	914.77	0.000612	3.32	7075.82	2270.99	0.23
Gila	Lower Gila	196.63	10_year	Preproj	57000.00	906.38	916.82	912.34	917.21	0.001055	5.30	13063.93	2776.41	0.32
Gila	Lower Gila	196.63	10_year	TRWithprj	57000.00	906.38	916.83	912.34	917.22	0.001052	5.30	13076.94	2777.59	0.32
Gila	Lower Gila	196.63	10_year	Preproj_Design	57000.00	906.38	916.82	912.34	917.21	0.001055	5.30	13063.93	2776.41	0.32
Gila	Lower Gila	196.63	10_year	Withprj_Design	57000.00	906.38	916.83	912.34	917.22	0.001052	5.30	13076.94	2777.59	0.32
Gila	Lower Gila	196.63	20_year	Preproj	92000.00	906.38	918.43	914.13	919.04	0.001318	6.78	17105.89	3798.82	0.37
Gila	Lower Gila	196.63	20_year	TRWithprj	92000.00	906.38	918.43	914.13	919.04	0.001318	6.78	17105.89	3798.82	0.37
Gila	Lower Gila	196.63	20_year	Preproj_Design	92000.00	906.38	918.43	914.13	919.04	0.001318	6.78	17105.89	3798.82	0.37
Gila	Lower Gila	196.63	20_year	Withprj_Design	92000.00	906.38	918.43	914.13	919.04	0.001318	6.78	17105.89	3798.82	0.37
Gila	Lower Gila	196.63	50_year	Preproj	185000.00	906.38	921.24	917.45	922.15	0.001586	8.88	31853.10	7379.61	0.43
Gila	Lower Gila	196.63	50_year	TRWithprj	185000.00	906.38	921.24	917.45	922.15	0.001586	8.88	31853.10	7379.61	0.43
Gila	Lower Gila	196.63	50_year	Preproj_Design	185000.00	906.38	921.24	917.45	922.15	0.001586	8.88	31853.10	7379.61	0.43
Gila	Lower Gila	196.63	50_year	Withprj_Design	185000.00	906.38	921.24	917.45	922.15	0.001586	8.88	31853.10	7379.61	0.43
Gila	Lower Gila	196.63	100_year	Preproj	227000.00	906.38	922.32	918.78	923.20	0.001447	9.02	38775.67	7684.79	0.42
Gila	Lower Gila	196.63	100_year	TRWithprj	227000.00	906.38	922.32	918.78	923.20	0.001447	9.02	38775.67	7684.79	0.42
Gila	Lower Gila	196.63	100_year	Preproj_Design	227000.00	906.38	922.32	918.78	923.20	0.001447	9.02	38775.67	7684.79	0.42
Gila	Lower Gila	196.63	100_year	Withprj_Design	227000.00	906.38	922.32	918.78	923.20	0.001447	9.02	38775.67	7684.79	0.42
Gila	Lower Gila	196.63	Typ Peak_year	Preproj	6700.00	906.38	910.98	908.60	911.04	0.000535	2.03	3303.69	1646.10	0.20
Gila	Lower Gila	196.63	Typ Peak_year	TRWithprj	6700.00	906.38	910.98	908.60	911.04	0.000535	2.03	3303.69	1646.10	0.20
Gila	Lower Gila	196.63	Typ Peak_year	Preproj_Design	6700.00	906.38	910.98	908.60	911.04	0.000535	2.03	3303.69	1646.10	0.20
Gila	Lower Gila	196.63	Typ Peak_year	Withprj_Design	6700.00	906.38	910.98	908.60	911.04	0.000535	2.03	3303.69	1646.10	0.20
Gila	Lower Gila	196.57	5_year	Preproj	23500.00	906.38	914.26	910.72	914.51	0.000900	3.99	5896.29	1854.38	0.29
Gila	Lower Gila	196.57	5_year	TRWithprj	23500.00	906.38	914.25	910.72	914.50	0.000904	3.99	5886.39	1853.54	0.29
Gila	Lower Gila	196.57	5_year	Preproj_Design	23500.00	906.38	914.26	910.72	914.51	0.000900	3.99	5896.29	1854.38	0.29
Gila	Lower Gila	196.57	5_year	Withprj_Design	23500.00	906.38	914.25	910.72	914.50	0.000904	3.99	5886.39	1853.54	0.29
Gila	Lower Gila	196.57	10_year	Preproj	57000.00	906.38	916.24	912.99	916.75	0.001479	6.13	11421.51	2365.99	0.39
Gila	Lower Gila	196.57	10_year	TRWithprj	57000.00	906.38	916.25	912.99	916.76	0.001473	6.12	11438.55	2383.85	0.39
Gila	Lower Gila	196.57	10_year	Preproj_Design	57000.00	906.38	916.24	912.99	916.75	0.001479	6.13	11421.51	2365.99	0.39
Gila	Lower Gila	196.57	10_year	Withprj_Design	57000.00	906.38	916.25	912.99	916.76	0.001473	6.12	11438.55	2383.85	0.39
Gila	Lower Gila	196.57	20_year	Preproj	92000.00	906.38	917.83	914.68	918.50	0.001631	7.36	16593.77	3796.01	0.42
Gila	Lower Gila	196.57	20_year	TRWithprj	92000.00	906.38	917.83	914.68	918.50	0.001631	7.36	16593.77	3796.01	0.42
Gila	Lower Gila	196.57	20_year	Preproj_Design	92000.00	906.38	917.83	914.68	918.50	0.001631	7.36	16593.77	3796.01	0.42
Gila	Lower Gila	196.57	20_year	Withprj_Design	92000.00	906.38	917.83	914.68	918.50	0.001631	7.36	16593.77	3796.01	0.42
Gila	Lower Gila	196.57	50_year	Preproj	185000.00	906.38	920.84	917.89	921.55	0.001424	8.33	34136.43	7697.63	0.42
Gila	Lower Gila	196.57	50_year	TRWithprj	185000.00	906.38	920.84	917.89	921.55	0.001424	8.33	34136.43	7697.63	0.42
Gila	Lower Gila	196.57	50_year	Preproj_Design	185000.00	906.38	920.84	917.89	921.55	0.001424	8.33	34136.43	7697.63	0.42
Gila	Lower Gila	196.57	50_year	Withprj_Design	185000.00	906.38	920.84	917.89	921.55	0.001424	8.33	34136.43	7697.63	0.42
Gila	Lower Gila	196.57	100_year	Preproj	227000.00	906.38	921.99	919.38	922.65	0.001221	8.24	41944.35	8070.38	0.40
Gila	Lower Gila	196.57	100_year	TRWithprj	227000.00	906.38	921.99	919.38	922.65	0.001221	8.24	41944.35	8070.38	0.40
Gila	Lower Gila	196.57	100_year	Preproj_Design	227000.00	906.38	921.99	919.38	922.65	0.001221	8.24	41944.35	8070.38	0.40
Gila	Lower Gila	196.57	100_year	Withprj_Design	227000.00	906.38	921.99	919.38	922.65	0.001221	8.24	41944.35	8070.38	0.40
Gila	Lower Gila	196.57	Typ Peak_year	Preproj	6700.00	906.38	910.66	908.78	910.78	0.000991	2.75	2435.81	1021.34	0.29
Gila	Lower Gila	196.57	Typ Peak_year	TRWithprj	6700.00	906.38	910.66	908.78	910.78	0.000991	2.75	2435.81	1021.34	0.29
Gila	Lower Gila	196.57	Typ Peak_year	Preproj_Design	6700.00	906.38	910.66	908.78	910.78	0.000991	2.75	2435.81	1021.34	0.29
Gila	Lower Gila	196.57	Typ Peak_year	Withprj_Design	6700.00	906.38	910.66	908.78	910.78	0.000991	2.75	2435.81	1021.34	0.29
Gila	Lower Gila	196.5	5_year	Preproj	23500.00	906.38	913.99	910.18	914.24	0.000691	4.00	5876.13	2139.62	0.29
Gila	Lower Gila	196.5	5_year	TRWithprj	23500.00	906.38	913.98	910.18	914.23	0.000695	4.01	5864.68	2136.28	0.29
Gila	Lower Gila	196.5	5_year	Preproj_Design	23500.00	906.38	913.99	910.18	914.24	0.000691	4.00	5876.13	2139.62	0.29
Gila	Lower Gila	196.5	5_year	Withprj_Design	23500.00	906.38	913.98	910.18	914.23	0.000695	4.01	5864.68	2136.28	0.29
Gila	Lower Gila	196.5	10_year	Preproj	57000.00	906.38	915.76	912.55	916.29	0.001272	6.28	11034.33	2997.42	0.40
Gila	Lower Gila	196.5	10_year	TRWithprj	57000.00	906.38	915.77	912.55	916.30	0.001265	6.26	11059.86	3008.39	0.40
Gila	Lower Gila	196.5	10_year	Preproj_Design	57000.00	906.38	915.76	912.55	916.29	0.001272	6.28	11034.33	2997.42	0.40
Gila	Lower Gila	196.5	10_year	Withprj_Design	57000.00	906.38	915.77	912.55	916.30	0.001265	6.26	11059.86	3008.39	0.40
Gila	Lower Gila	196.5	20_year	Preproj	92000.00	906.38	917.31	914.42	918.00	0.001415	7.45	16750.47	4551.92	0.43
Gila	Lower Gila	196.5	20_year	TRWithprj	92000.00	906.38	917.31	914.42	918.00	0.001415	7.45	16750.47	4551.92	0.43
Gila	Lower Gila	196.5	20_year	Preproj_Design	92000.00	906.38	917.31	914.42	918.00	0.001415	7.45	16750.47	4551.92	0.43
Gila	Lower Gila	196.5	20_year	Withprj_Design	92000.00	906.38	917.31	914.42	918.00	0.001415	7.45	16750.47	4551.92	0.43
Gila	Lower Gila	196.5	50_year	Preproj	185000.00	906.38	920.41	917.59	921.10	0.001188	8.23	34320.16	7602.81	0.41

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	196.5	50_year	TRWithprj	185000.00	906.38	920.41	917.59	921.10	0.001188	8.23	34320.16	7602.81	0.41
Gila	Lower Gila	196.5	50_year	Preproj_Design	185000.00	906.38	920.41	917.59	921.10	0.001188	8.23	34320.16	7602.81	0.41
Gila	Lower Gila	196.5	50_year	Withprj_Design	185000.00	906.38	920.41	917.59	921.10	0.001188	8.23	34320.16	7602.81	0.41
Gila	Lower Gila	196.5	100_year	Preproj	227000.00	906.38	921.65	918.83	922.27	0.000987	8.00	42361.84	7869.27	0.38
Gila	Lower Gila	196.5	100_year	TRWithprj	227000.00	906.38	921.65	918.83	922.27	0.000987	8.00	42361.84	7869.27	0.38
Gila	Lower Gila	196.5	100_year	Preproj_Design	227000.00	906.38	921.65	918.83	922.27	0.000987	8.00	42361.84	7869.27	0.38
Gila	Lower Gila	196.5	100_year	Withprj_Design	227000.00	906.38	921.65	918.83	922.27	0.000987	8.00	42361.84	7869.27	0.38
Gila	Lower Gila	196.5	Typ Peak_year	Preproj	6700.00	906.38	910.42	908.18	910.52	0.000587	2.54	2635.08	1011.26	0.25
Gila	Lower Gila	196.5	Typ Peak_year	TRWithprj	6700.00	906.38	910.42	908.18	910.52	0.000587	2.54	2635.08	1011.26	0.25
Gila	Lower Gila	196.5	Typ Peak_year	Preproj_Design	6700.00	906.38	910.42	908.18	910.52	0.000587	2.54	2635.08	1011.26	0.25
Gila	Lower Gila	196.5	Typ Peak_year	Withprj_Design	6700.00	906.38	910.42	908.18	910.52	0.000587	2.54	2635.08	1011.26	0.25
Gila	Lower Gila	196.44	5_year	Preproj	23500.00	906.38	913.79	910.01	914.02	0.000625	3.91	6017.24	2167.70	0.28
Gila	Lower Gila	196.44	5_year	TRWithprj	23500.00	906.38	913.77	910.01	914.01	0.000629	3.91	6004.65	2161.54	0.28
Gila	Lower Gila	196.44	5_year	Preproj_Design	23500.00	906.38	913.79	910.01	914.02	0.000625	3.91	6017.24	2167.70	0.28
Gila	Lower Gila	196.44	5_year	Withprj_Design	23500.00	906.38	913.77	910.01	914.01	0.000629	3.91	6004.65	2161.54	0.28
Gila	Lower Gila	196.44	10_year	Preproj	57000.00	906.38	915.37	912.30	915.88	0.001212	6.21	11530.34	3280.53	0.40
Gila	Lower Gila	196.44	10_year	TRWithprj	57000.00	906.38	915.38	912.30	915.89	0.001202	6.19	11570.44	3284.96	0.40
Gila	Lower Gila	196.44	10_year	Preproj_Design	57000.00	906.38	915.37	912.30	915.88	0.001212	6.21	11530.34	3280.53	0.40
Gila	Lower Gila	196.44	10_year	Withprj_Design	57000.00	906.38	915.38	912.30	915.89	0.001202	6.19	11570.44	3284.96	0.40
Gila	Lower Gila	196.44	20_year	Preproj	92000.00	906.38	916.87	914.01	917.54	0.001379	7.43	17439.51	5666.75	0.44
Gila	Lower Gila	196.44	20_year	TRWithprj	92000.00	906.38	916.87	914.01	917.54	0.001379	7.43	17439.51	5666.75	0.44
Gila	Lower Gila	196.44	20_year	Preproj_Design	92000.00	906.38	916.87	914.01	917.54	0.001379	7.43	17439.51	5666.75	0.44
Gila	Lower Gila	196.44	20_year	Withprj_Design	92000.00	906.38	916.87	914.01	917.54	0.001379	7.43	17439.51	5666.75	0.44
Gila	Lower Gila	196.44	50_year	Preproj	185000.00	906.38	920.19	917.57	920.72	0.000908	7.36	37838.01	8322.41	0.37
Gila	Lower Gila	196.44	50_year	TRWithprj	185000.00	906.38	920.19	917.57	920.72	0.000908	7.36	37838.01	8322.41	0.37
Gila	Lower Gila	196.44	50_year	Preproj_Design	185000.00	906.38	920.19	917.57	920.72	0.000908	7.36	37838.01	8322.41	0.37
Gila	Lower Gila	196.44	50_year	Withprj_Design	185000.00	906.38	920.19	917.57	920.72	0.000908	7.36	37838.01	8322.41	0.37
Gila	Lower Gila	196.44	100_year	Preproj	227000.00	906.38	921.45	918.32	921.94	0.000763	7.20	46233.42	8576.00	0.34
Gila	Lower Gila	196.44	100_year	TRWithprj	227000.00	906.38	921.45	918.32	921.94	0.000763	7.20	46233.42	8576.00	0.34
Gila	Lower Gila	196.44	100_year	Preproj_Design	227000.00	906.38	921.45	918.32	921.94	0.000763	7.20	46233.42	8576.00	0.34
Gila	Lower Gila	196.44	100_year	Withprj_Design	227000.00	906.38	921.45	918.32	921.94	0.000763	7.20	46233.42	8576.00	0.34
Gila	Lower Gila	196.44	Typ Peak_year	Preproj	6700.00	906.38	910.23	907.99	910.33	0.000567	2.50	2680.37	1137.00	0.25
Gila	Lower Gila	196.44	Typ Peak_year	TRWithprj	6700.00	906.38	910.23	907.99	910.33	0.000567	2.50	2680.37	1137.00	0.25
Gila	Lower Gila	196.44	Typ Peak_year	Preproj_Design	6700.00	906.38	910.23	907.99	910.33	0.000567	2.50	2680.37	1137.00	0.25
Gila	Lower Gila	196.44	Typ Peak_year	Withprj_Design	6700.00	906.38	910.23	907.99	910.33	0.000567	2.50	2680.37	1137.00	0.25
Gila	Lower Gila	196.38	5_year	Preproj	23500.00	906.38	913.50	909.93	913.81	0.000847	4.43	5309.11	2635.97	0.33
Gila	Lower Gila	196.38	5_year	TRWithprj	23500.00	906.38	913.49	909.93	913.79	0.000854	4.44	5295.18	2629.82	0.33
Gila	Lower Gila	196.38	5_year	Preproj_Design	23500.00	906.38	913.50	909.93	913.81	0.000847	4.43	5309.11	2635.97	0.33
Gila	Lower Gila	196.38	5_year	Withprj_Design	23500.00	906.38	913.49	909.93	913.79	0.000854	4.44	5295.18	2629.82	0.33
Gila	Lower Gila	196.38	10_year	Preproj	57000.00	906.38	915.08	912.58	915.52	0.001144	5.88	11262.17	3349.97	0.39
Gila	Lower Gila	196.38	10_year	TRWithprj	57000.00	906.38	915.09	912.58	915.53	0.001134	5.86	11296.98	3369.28	0.39
Gila	Lower Gila	196.38	10_year	Preproj_Design	57000.00	906.38	915.08	912.58	915.52	0.001144	5.88	11262.17	3349.97	0.39
Gila	Lower Gila	196.38	10_year	Withprj_Design	57000.00	906.38	915.09	912.58	915.53	0.001134	5.86	11296.98	3369.28	0.39
Gila	Lower Gila	196.38	20_year	Preproj	92000.00	906.38	916.59	914.01	917.12	0.001219	6.82	18402.05	5593.65	0.41
Gila	Lower Gila	196.38	20_year	TRWithprj	92000.00	906.38	916.59	914.01	917.12	0.001219	6.82	18402.05	5593.65	0.41
Gila	Lower Gila	196.38	20_year	Preproj_Design	92000.00	906.38	916.59	914.01	917.12	0.001219	6.82	18402.05	5593.65	0.41
Gila	Lower Gila	196.38	20_year	Withprj_Design	92000.00	906.38	916.59	914.01	917.12	0.001219	6.82	18402.05	5593.65	0.41
Gila	Lower Gila	196.38	50_year	Preproj	185000.00	906.38	919.99	914.83	920.45	0.000830	6.93	38963.67	7325.94	0.35
Gila	Lower Gila	196.38	50_year	TRWithprj	185000.00	906.38	919.99	914.83	920.45	0.000830	6.93	38963.67	7325.94	0.35
Gila	Lower Gila	196.38	50_year	Preproj_Design	185000.00	906.38	919.99	914.83	920.45	0.000830	6.93	38963.67	7325.94	0.35
Gila	Lower Gila	196.38	50_year	Withprj_Design	185000.00	906.38	919.99	914.83	920.45	0.000830	6.93	38963.67	7325.94	0.35
Gila	Lower Gila	196.38	100_year	Preproj	227000.00	906.38	921.28	914.83	921.72	0.000700	6.81	47158.48	7936.32	0.33
Gila	Lower Gila	196.38	100_year	TRWithprj	227000.00	906.38	921.28	914.83	921.72	0.000700	6.81	47158.48	7936.32	0.33
Gila	Lower Gila	196.38	100_year	Preproj_Design	227000.00	906.38	921.28	914.83	921.72	0.000700	6.81	47158.48	7936.32	0.33
Gila	Lower Gila	196.38	100_year	Withprj_Design	227000.00	906.38	921.28	914.83	921.72	0.000700	6.81	47158.48	7936.32	0.33
Gila	Lower Gila	196.38	Typ Peak_year	Preproj	6700.00	906.38	910.02	908.02	910.14	0.000726	2.81	2388.48	1232.34	0.27
Gila	Lower Gila	196.38	Typ Peak_year	TRWithprj	6700.00	906.38	910.02	908.02	910.14	0.000726	2.81	2388.48	1232.34	0.27
Gila	Lower Gila	196.38	Typ Peak_year	Preproj_Design	6700.00	906.38	910.02	908.02	910.14	0.000726	2.81	2388.48	1232.34	0.27
Gila	Lower Gila	196.38	Typ Peak_year	Withprj_Design	6700.00	906.38	910.02	908.02	910.14	0.000726	2.81	2388.48	1232.34	0.27
Gila	Lower Gila	196.32	5_year	Preproj	23500.00	905.91	912.94	909.76	913.33	0.001146	4.98	4714.92	2774.22	0.37
Gila	Lower Gila	196.32	5_year	TRWithprj	23500.00	905.91	912.92	909.76	913.31	0.001159	5.00	4697.07	2752.05	0.37
Gila	Lower Gila	196.32	5_year	Preproj_Design	23500.00	905.91	912.94	909.76	913.33	0.001146	4.98	4714.92	2774.22	0.37
Gila	Lower Gila	196.32	5_year	Withprj_Design	23500.00	905.91	912.92	909.76	913.31	0.001159	5.00	4697.07	2752.05	0.37
Gila	Lower Gila	196.32	10_year	Preproj	57000.00	905.91	914.12	912.52	914.76	0.001870	7.07	9564.39	3748.98	0.49
Gila	Lower Gila	196.32	10_year	TRWithprj	57000.00	905.91	914.15	912.52	914.79	0.001837	7.03	9633.76	3845.26	0.49
Gila	Lower Gila	196.32	10_year	Preproj_Design	57000.00	905.91	914.12	912.52	914.76	0.001870	7.07	9564.39	3748.98	0.49
Gila	Lower Gila	196.32	10_year	Withprj_Design	57000.00	905.91	914.15	912.52	914.79	0.001837	7.03	9633.76	3845.26	0.49
Gila	Lower Gila	196.32	20_year	Preproj	92000.00	905.91	915.83	913.49	916.43	0.001550	7.40	17624.40	5558.16	0.46
Gila	Lower Gila	196.32	20_year	TRWithprj	92000.00	905.91	915.83	913.49	916.43	0.001550	7.40	17624.40	5558.16	0.46
Gila	Lower Gila	196.32	20_year	Preproj_Design	92000.00	905.91	915.83	913.49	916.43	0.001550	7.40	17624.40	5558.16	0.46
Gila	Lower Gila	196.32	20_year	Withprj_Design	92000.00	905.91	915.83	913.49	916.43	0.001550	7.40	17624.40	5558.16	0.46
Gila	Lower Gila	196.32	50_year	Preproj	185000.00	905.91	919.62	914.34	920.05	0.000786	6.69	38983.17	7481.91	0.34
Gila	Lower Gila	196.32	50_year	TRWithprj	185000.00	905.91	919.62	914.34	920.05	0.000786	6.69	38983.17	7481.91	0.34
Gila	Lower Gila	196.32	50_year	Preproj_Design	185000.00	905.91	919.62	914.34	920.05	0.000786	6.69	38983.17	7481.91	0.34
Gila	Lower Gila	196.32	50_year	Withprj_Design	185000.00	905.91	919.62	914.34	920.05	0.000786	6.69	38983.17	7481.91	0.34
Gila	Lower Gila	196.32	100_year	Preproj	227000.00	905.91	920.97	914.34	921.39	0.000674	6.65	46879.56	8051.12	0.32
Gila	Lower Gila	196.32	100_year	TRWithprj	227000.00	905.91	920.97	914.34	921.39	0.000674	6.65	46879.56	8051.12	0.32
Gila	Lower Gila	196.32	100_year	Preproj_Design	227000.00	905.91	920.97	914.34	921.39	0.000674	6.65	46879.56	8051.12	0.32
Gila	Lower Gila	196.32	100_year	Withprj_Design	227000.00	905.91	920.97	914.34	921.39	0.000674	6.65	46879.56	8051.12	0.32
Gila	Lower Gila	196.32	Typ Peak_year	Preproj	6700.00	905.91	909.57	907.85	909.72	0.001041	3.11	2154.80	1128.30	0.31
Gila	Lower Gila	196.32	Typ Peak_year	TRWithprj	6700.00	905.91	909.57	907.85	909.72	0.001041	3.11	2154.80	1128.30	0.31
Gila	Lower Gila	196.32	Typ Peak_year	Preproj_Design	6700.00	905.91	909.57	907.85	909.72	0.001041	3.11	2154.80	1128.30	0.31
Gila	Lower Gila	196.32	Typ Peak_year	Withprj_Design	6700.00	905.91	909.57	907.85	909.72	0.001041	3.11	2154.80	1128.30	0.31
Gila	Lower Gila	196.23	5_year	Preproj	23500.00	901.72	912.67	908.91	912.88	0.000644	3.74	6283.81	3736.49	0.27
Gila	Lower Gila	196.23	5_year	TRWithprj	23500.00	901.72	912.64	908.91	912.86	0.000652	3.76	6257.39	3712.44	0.27
Gila	Lower Gila	196.23	5_year	Preproj_Design	23500.00	901.72	912.67	908.91	912.88	0.000644	3.74	6283.81	3736.49	0.27
Gila	Lower Gila	196.23	5_year	Withprj_Design	23500.00	901.72	912.64	908.91	912.86	0.000652	3.76	6257.39	3712.44	0.27
Gila	Lower Gila	196.23	10_year	Preproj	57000.00	901.72	913.35	911.14	913.89	0.001649	6.42	11154.19	4394.06	0.44
Gila	Lower Gila	196.23	10_year	TRWithprj	57000.00	901.72	913.40	911.14	913.93	0.001606	6.37	11257.88	4432.99	0.43
Gila	Lower Gila	196.23	10_year	Preproj_Design	57000.00	901.72	913.35	911.14	913.89	0.001649	6.42	11154.19	4394.06	0.44
Gila	Lower Gila	196.23	10_year	Withprj_Design	57000.00	901.72	913.40	911.14	913.93	0.001606	6.37	11257.88	4432.99	0.43
Gila	Lower Gila	196.23	20_year	Preproj	92000.00	901.72	915.37	912.71	915.77	0.001051	6.07	21826.96	5449.51	0.37
Gila	Lower Gila	196.23	20_year	TRWithprj	92000.00	901.72	915.37	912.71	915.77	0.001051	6.07	21826.96	5449.51	0.37
Gila	Lower Gila	196.23	20_year	Preproj_Design	92000.00	901.72	915.37	912.71	915.77	0.001051	6.07	21826.96	5449.51	0.37
Gila	Lower Gila	196.23	20_year	Withprj_Design	92000.00	901.72	915.37	912.71	915.77	0.001051	6.07	21826.96	5449.51	0.37

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	196.23	50_year	Preproj	185000.00	901.72	919.32	914.83	919.70	0.000668	6.18	41192.94	7266.94	0.31
Gila	Lower Gila	196.23	50_year	TRWithprj	185000.00	901.72	919.32	914.83	919.70	0.000668	6.18	41192.94	7266.94	0.31
Gila	Lower Gila	196.23	50_year	Preproj_Design	185000.00	901.72	919.32	914.83	919.70	0.000668	6.18	41192.94	7266.94	0.31
Gila	Lower Gila	196.23	50_year	Withprj_Design	185000.00	901.72	919.32	914.83	919.70	0.000668	6.18	41192.94	7266.94	0.31
Gila	Lower Gila	196.23	100_year	Preproj	227000.00	901.72	920.69	915.49	921.08	0.000601	6.29	48419.10	7745.82	0.30
Gila	Lower Gila	196.23	100_year	TRWithprj	227000.00	901.72	920.69	915.49	921.08	0.000601	6.29	48419.10	7745.82	0.30
Gila	Lower Gila	196.23	100_year	Preproj_Design	227000.00	901.72	920.69	915.49	921.08	0.000601	6.29	48419.10	7745.82	0.30
Gila	Lower Gila	196.23	100_year	Withprj_Design	227000.00	901.72	920.69	915.49	921.08	0.000601	6.29	48419.10	7745.82	0.30
Gila	Lower Gila	196.23	Typ Peak_year	Preproj	6700.00	901.72	909.24	907.22	909.33	0.000644	2.38	2818.04	1667.42	0.24
Gila	Lower Gila	196.23	Typ Peak_year	TRWithprj	6700.00	901.72	909.24	907.22	909.33	0.000644	2.38	2818.04	1667.42	0.24
Gila	Lower Gila	196.23	Typ Peak_year	Preproj_Design	6700.00	901.72	909.24	907.22	909.33	0.000644	2.38	2818.04	1667.42	0.24
Gila	Lower Gila	196.23	Typ Peak_year	Withprj_Design	6700.00	901.72	909.24	907.22	909.33	0.000644	2.38	2818.04	1667.42	0.24
Gila	Lower Gila	196.14	5_year	Preproj	23500.00	906.39	911.95	909.83	912.48	0.002224	5.84	4022.29	3498.95	0.46
Gila	Lower Gila	196.14	5_year	TRWithprj	23500.00	906.39	911.91	909.83	912.45	0.002277	5.89	3990.74	3492.62	0.47
Gila	Lower Gila	196.14	5_year	Preproj_Design	23500.00	906.39	911.95	909.83	912.48	0.002224	5.84	4022.29	3498.95	0.46
Gila	Lower Gila	196.14	5_year	Withprj_Design	23500.00	906.39	911.91	909.83	912.45	0.002277	5.89	3990.74	3492.62	0.47
Gila	Lower Gila	196.14	10_year	Preproj	57000.00	906.39	912.99	912.30	913.28	0.001239	4.90	13554.09	3697.71	0.36
Gila	Lower Gila	196.14	10_year	TRWithprj	57000.00	906.39	913.06	912.30	913.34	0.001188	4.83	13751.88	3713.40	0.36
Gila	Lower Gila	196.14	10_year	Preproj_Design	57000.00	906.39	912.99	912.30	913.28	0.001239	4.90	13554.09	3697.71	0.36
Gila	Lower Gila	196.14	10_year	Withprj_Design	57000.00	906.39	913.06	912.30	913.34	0.001188	4.83	13751.88	3713.40	0.36
Gila	Lower Gila	196.14	20_year	Preproj	92000.00	906.39	915.01	912.31	915.36	0.001068	5.54	19744.35	4179.98	0.36
Gila	Lower Gila	196.14	20_year	TRWithprj	92000.00	906.39	915.01	912.31	915.36	0.001068	5.54	19744.35	4179.98	0.36
Gila	Lower Gila	196.14	20_year	Preproj_Design	92000.00	906.39	915.01	912.31	915.36	0.001068	5.54	19744.35	4179.98	0.36
Gila	Lower Gila	196.14	20_year	Withprj_Design	92000.00	906.39	915.01	912.31	915.36	0.001068	5.54	19744.35	4179.98	0.36
Gila	Lower Gila	196.14	50_year	Preproj	185000.00	906.39	918.95	913.47	919.41	0.000858	6.56	35386.93	7123.92	0.34
Gila	Lower Gila	196.14	50_year	TRWithprj	185000.00	906.39	918.95	913.47	919.41	0.000858	6.56	35386.93	7123.92	0.34
Gila	Lower Gila	196.14	50_year	Preproj_Design	185000.00	906.39	918.95	913.47	919.41	0.000858	6.56	35386.93	7123.92	0.34
Gila	Lower Gila	196.14	50_year	Withprj_Design	185000.00	906.39	918.95	913.47	919.41	0.000858	6.56	35386.93	7123.92	0.34
Gila	Lower Gila	196.14	100_year	Preproj	227000.00	906.39	920.33	914.27	920.82	0.000784	6.79	41601.12	7579.99	0.34
Gila	Lower Gila	196.14	100_year	TRWithprj	227000.00	906.39	920.33	914.27	920.82	0.000784	6.79	41601.12	7579.99	0.34
Gila	Lower Gila	196.14	100_year	Preproj_Design	227000.00	906.39	920.33	914.27	920.82	0.000784	6.79	41601.12	7579.99	0.34
Gila	Lower Gila	196.14	100_year	Withprj_Design	227000.00	906.39	920.33	914.27	920.82	0.000784	6.79	41601.12	7579.99	0.34
Gila	Lower Gila	196.14	Typ Peak_year	Preproj	6700.00	906.39	908.09	907.99	908.70	0.012060	6.25	1072.65	1544.52	0.90
Gila	Lower Gila	196.14	Typ Peak_year	TRWithprj	6700.00	906.39	908.09	907.99	908.70	0.012060	6.25	1072.65	1544.52	0.90
Gila	Lower Gila	196.14	Typ Peak_year	Preproj_Design	6700.00	906.39	908.09	907.99	908.70	0.012060	6.25	1072.65	1544.52	0.90
Gila	Lower Gila	196.14	Typ Peak_year	Withprj_Design	6700.00	906.39	908.09	907.99	908.70	0.012060	6.25	1072.65	1544.52	0.90
Gila	Lower Gila	196.08	5_year	Preproj	23500.00	899.26	909.16	907.50	910.70	0.005469	9.94	2363.35	2719.13	0.76
Gila	Lower Gila	196.08	5_year	TRWithprj	23500.00	899.26	909.21	907.58	910.68	0.005248	9.77	2580.04	2727.78	0.74
Gila	Lower Gila	196.08	5_year	Preproj_Design	23500.00	899.26	909.16	907.50	910.70	0.005469	9.94	2363.35	2719.13	0.76
Gila	Lower Gila	196.08	5_year	Withprj_Design	23500.00	899.26	909.21	907.58	910.68	0.005248	9.77	2580.04	2727.78	0.74
Gila	Lower Gila	196.08	10_year	Preproj	57000.00	899.26	912.08	909.87	912.52	0.001554	5.93	11715.21	3301.11	0.42
Gila	Lower Gila	196.08	10_year	TRWithprj	57000.00	899.26	912.03	909.88	912.55	0.001774	6.32	10250.56	3297.67	0.44
Gila	Lower Gila	196.08	10_year	Preproj_Design	57000.00	899.26	912.08	909.87	912.52	0.001554	5.93	11715.21	3301.11	0.42
Gila	Lower Gila	196.08	10_year	Withprj_Design	57000.00	899.26	912.03	909.88	912.55	0.001774	6.32	10250.56	3297.67	0.44
Gila	Lower Gila	196.08	20_year	Preproj	92000.00	899.26	914.23	910.97	914.72	0.001296	6.20	17376.01	4292.72	0.39
Gila	Lower Gila	196.08	20_year	TRWithprj	92000.00	899.26	914.23	911.07	914.72	0.001296	6.20	17376.01	4292.72	0.39
Gila	Lower Gila	196.08	20_year	Preproj_Design	92000.00	899.26	914.23	910.97	914.72	0.001296	6.20	17376.01	4292.72	0.39
Gila	Lower Gila	196.08	20_year	Withprj_Design	92000.00	899.26	914.23	911.07	914.72	0.001296	6.20	17376.01	4292.72	0.39
Gila	Lower Gila	196.08	50_year	Preproj	185000.00	899.26	918.24	913.41	918.90	0.001018	6.85	29755.72	6991.96	0.36
Gila	Lower Gila	196.08	50_year	TRWithprj	185000.00	899.26	918.24	913.82	918.90	0.001018	6.85	29755.72	6991.96	0.36
Gila	Lower Gila	196.08	50_year	Preproj_Design	185000.00	899.26	918.24	913.41	918.90	0.001018	6.85	29755.72	6991.96	0.36
Gila	Lower Gila	196.08	50_year	Withprj_Design	185000.00	899.26	918.24	913.82	918.90	0.001018	6.85	29755.72	6991.96	0.36
Gila	Lower Gila	196.08	100_year	Preproj	227000.00	899.26	919.60	914.36	920.33	0.000990	7.29	34055.60	7108.63	0.36
Gila	Lower Gila	196.08	100_year	TRWithprj	227000.00	899.26	919.60	914.36	920.33	0.000990	7.29	34055.60	7108.63	0.36
Gila	Lower Gila	196.08	100_year	Preproj_Design	227000.00	899.26	919.60	914.36	920.33	0.000990	7.29	34055.60	7108.63	0.36
Gila	Lower Gila	196.08	100_year	Withprj_Design	227000.00	899.26	919.60	914.36	920.33	0.000990	7.29	34055.60	7108.63	0.36
Gila	Lower Gila	196.08	Typ Peak_year	Preproj	6700.00	899.26	905.14	903.60	905.74	0.003423	6.26	1070.85	409.10	0.54
Gila	Lower Gila	196.08	Typ Peak_year	TRWithprj	6700.00	899.26	905.14	903.60	905.74	0.003423	6.26	1070.85	409.10	0.54
Gila	Lower Gila	196.08	Typ Peak_year	Preproj_Design	6700.00	899.26	905.14	903.60	905.74	0.003423	6.26	1070.85	409.10	0.54
Gila	Lower Gila	196.08	Typ Peak_year	Withprj_Design	6700.00	899.26	905.14	903.60	905.74	0.003423	6.26	1070.85	409.10	0.54
Gila	Lower Gila	195.98	5_year	Preproj	23500.00	899.24	908.82	904.23	909.10	0.000946	4.31	5456.61	2708.90	0.29
Gila	Lower Gila	195.98	5_year	TRWithprj	23500.00	899.24	908.82	904.23	909.10	0.000946	4.31	5456.61	2708.90	0.29
Gila	Lower Gila	195.98	5_year	Preproj_Design	23500.00	899.24	908.82	904.23	909.10	0.000946	4.31	5456.61	2708.90	0.29
Gila	Lower Gila	195.98	5_year	Withprj_Design	23500.00	899.24	908.82	904.23	909.10	0.000946	4.31	5456.61	2708.90	0.29
Gila	Lower Gila	195.98	10_year	Preproj	57000.00	899.24	911.18	907.37	911.60	0.001083	5.61	11880.26	2866.61	0.32
Gila	Lower Gila	195.98	10_year	TRWithprj	57000.00	899.24	911.18	907.37	911.60	0.001083	5.61	11880.26	2866.61	0.32
Gila	Lower Gila	195.98	10_year	Preproj_Design	57000.00	899.24	911.18	907.37	911.60	0.001083	5.61	11880.26	2866.61	0.32
Gila	Lower Gila	195.98	10_year	Withprj_Design	57000.00	899.24	911.18	907.37	911.60	0.001083	5.61	11880.26	2866.61	0.32
Gila	Lower Gila	195.98	20_year	Preproj	92000.00	899.24	913.24	909.41	913.82	0.001164	6.69	16321.22	3312.50	0.35
Gila	Lower Gila	195.98	20_year	TRWithprj	92000.00	899.24	913.24	909.41	913.82	0.001164	6.69	16321.22	3312.50	0.35
Gila	Lower Gila	195.98	20_year	Preproj_Design	92000.00	899.24	913.24	909.41	913.82	0.001164	6.69	16321.22	3312.50	0.35
Gila	Lower Gila	195.98	20_year	Withprj_Design	92000.00	899.24	913.24	909.41	913.82	0.001164	6.69	16321.22	3312.50	0.35
Gila	Lower Gila	195.98	50_year	Preproj	185000.00	899.24	917.30	911.84	918.08	0.001150	8.24	28144.02	6419.20	0.37
Gila	Lower Gila	195.98	50_year	TRWithprj	185000.00	899.24	917.30	911.84	918.08	0.001150	8.24	28144.02	6419.20	0.37
Gila	Lower Gila	195.98	50_year	Preproj_Design	185000.00	899.24	917.30	911.84	918.08	0.001150	8.24	28144.02	6419.20	0.37
Gila	Lower Gila	195.98	50_year	Withprj_Design	185000.00	899.24	917.30	911.84	918.08	0.001150	8.24	28144.02	6419.20	0.37
Gila	Lower Gila	195.98	100_year	Preproj	227000.00	899.24	918.72	913.01	919.55	0.001080	8.53	33228.43	6505.96	0.37
Gila	Lower Gila	195.98	100_year	TRWithprj	227000.00	899.24	918.72	913.01	919.55	0.001080	8.53	33228.43	6505.96	0.37
Gila	Lower Gila	195.98	100_year	Preproj_Design	227000.00	899.24	918.72	913.01	919.55	0.001080	8.53	33228.43	6505.96	0.37
Gila	Lower Gila	195.98	100_year	Withprj_Design	227000.00	899.24	918.72	913.01	919.55	0.001080	8.53	33228.43	6505.96	0.37
Gila	Lower Gila	195.98	Typ Peak_year	Preproj	6700.00	899.24	904.44	901.78	904.58	0.000911	3.02	2220.91	1253.80	0.27
Gila	Lower Gila	195.98	Typ Peak_year	TRWithprj	6700.00	899.24	904.44	901.78	904.58	0.000911	3.02	2220.91	1253.80	0.27
Gila	Lower Gila	195.98	Typ Peak_year	Preproj_Design	6700.00	899.24	904.44	901.78	904.58	0.000911	3.02	2220.91	1253.80	0.27
Gila	Lower Gila	195.98	Typ Peak_year	Withprj_Design	6700.00	899.24	904.44	901.78	904.58	0.000911	3.02	2220.91	1253.80	0.27
Gila	Lower Gila	195.86	5_year	Preproj	23500.00	897.39	908.27	904.69	908.64	0.000887	4.89	4805.85	1427.86	0.34
Gila	Lower Gila	195.86	5_year	TRWithprj	23500.00	897.39	908.27	904.69	908.64	0.000887	4.89	4805.85	1427.86	0.34
Gila	Lower Gila	195.86	5_year	Preproj_Design	23500.00	897.39	908.27	904.69	908.64	0.000887	4.89	4805.85	1427.86	0.34
Gila	Lower Gila	195.86	5_year	Withprj_Design	23500.00	897.39	908.27	904.69	908.64	0.000887	4.89	4805.85	1427.86	0.34
Gila	Lower Gila	195.86	10_year	Preproj	57000.00	897.39	910.51	907.53	911.05	0.001138	6.39	10119.44	1929.43	0.40
Gila	Lower Gila	195.86	10_year	TRWithprj	57000.00	897.39	910.51	907.53	911.05	0.001138	6.39	10119.44	1929.43	0.40
Gila	Lower Gila	195.86	10_year	Preproj_Design	57000.00	897.39	910.51	907.53	911.05	0.001138	6.39	10119.44	1929.43	0.40
Gila	Lower Gila	195.86	10_year	Withprj_Design	57000.00	897.39	910.51	907.53	911.05	0.001138	6.39	10119.44	1929.43	0.40
Gila	Lower Gila	195.86	20_year	Preproj	92000.00	897.39	912.49	909.00	913.22	0.001261	7.64	14355.19	2225.29	0.42
Gila	Lower Gila	195.86	20_year	TRWithprj	92000.00	897.39	912.49	909.00	913.22	0.001261	7.64	14355.19	2225.29	0.42
Gila	Lower Gila	195.86	20_year	Preproj_Design	92000.00	897.39	912.49	909.00	913.22	0.001261	7.64	14355.19	2225.29	0.42

HEC-RAS (Continued)

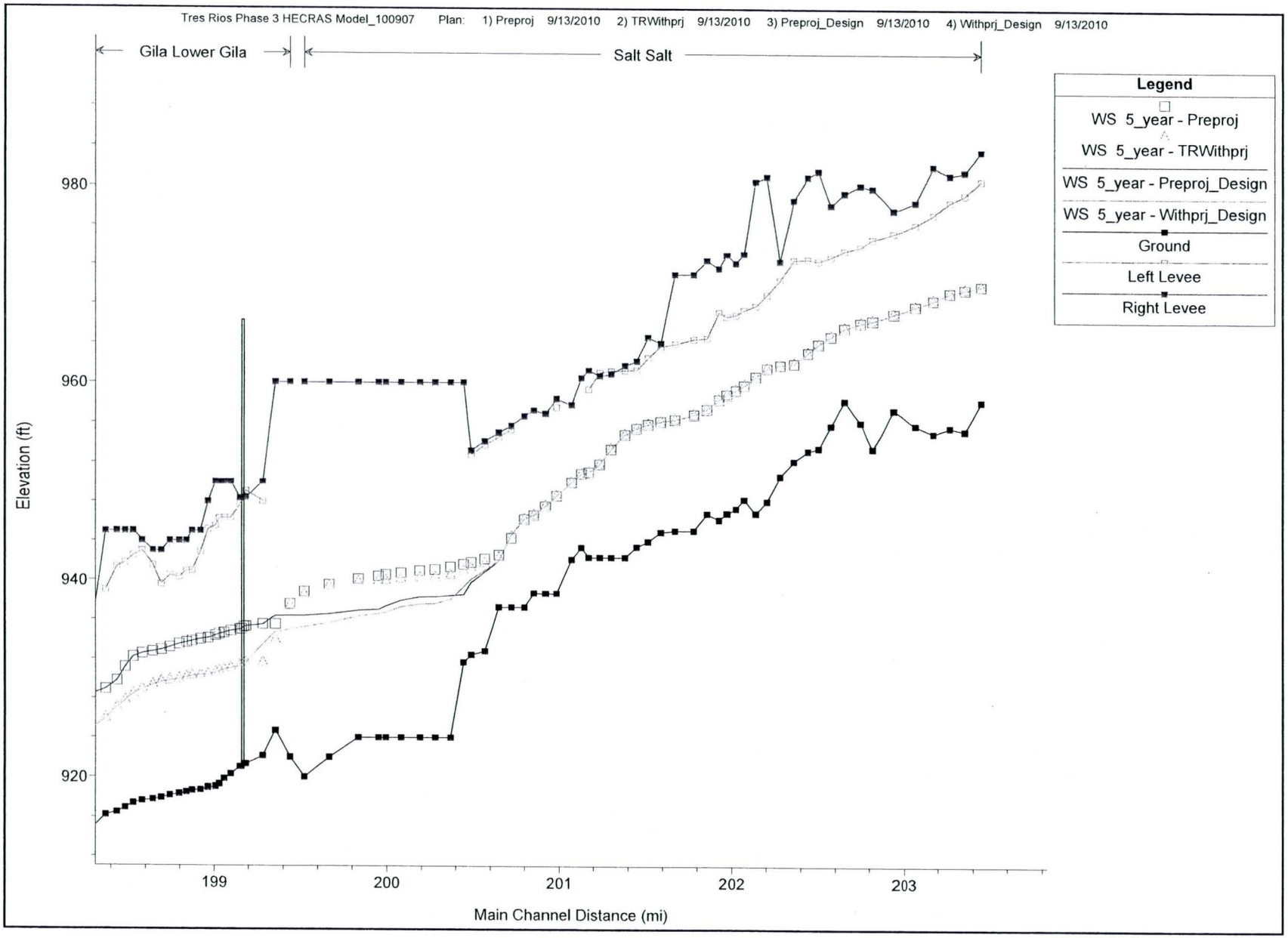
River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	195.86	20_year	Withprj_Design	92000.00	897.39	912.49	909.00	913.22	0.001261	7.64	14355.19	2225.29	0.42
Gila	Lower Gila	195.86	50_year	Preproj	185000.00	897.39	916.51	911.39	917.49	0.001214	9.21	25081.40	3953.57	0.43
Gila	Lower Gila	195.86	50_year	TRWithprj	185000.00	897.39	916.51	911.39	917.49	0.001214	9.21	25081.40	3953.57	0.43
Gila	Lower Gila	195.86	50_year	Preproj_Design	185000.00	897.39	916.51	911.39	917.49	0.001214	9.21	25081.40	3953.57	0.43
Gila	Lower Gila	195.86	50_year	Withprj_Design	185000.00	897.39	916.51	911.39	917.49	0.001214	9.21	25081.40	3953.57	0.43
Gila	Lower Gila	195.86	100_year	Preproj	227000.00	897.39	917.93	913.33	918.98	0.001180	9.64	29532.92	4416.65	0.43
Gila	Lower Gila	195.86	100_year	TRWithprj	227000.00	897.39	917.93	913.33	918.98	0.001180	9.64	29532.92	4416.65	0.43
Gila	Lower Gila	195.86	100_year	Preproj_Design	227000.00	897.39	917.93	913.33	918.98	0.001180	9.64	29532.92	4416.65	0.43
Gila	Lower Gila	195.86	100_year	Withprj_Design	227000.00	897.39	917.93	913.33	918.98	0.001180	9.64	29532.92	4416.65	0.43
Gila	Lower Gila	195.86	Typ Peak_year	Preproj	6700.00	897.39	903.83	900.98	904.07	0.001144	3.95	1697.43	626.24	0.40
Gila	Lower Gila	195.86	Typ Peak_year	TRWithprj	6700.00	897.39	903.83	900.98	904.07	0.001144	3.95	1697.43	626.24	0.40
Gila	Lower Gila	195.86	Typ Peak_year	Preproj_Design	6700.00	897.39	903.83	900.98	904.07	0.001144	3.95	1697.43	626.24	0.40
Gila	Lower Gila	195.86	Typ Peak_year	Withprj_Design	6700.00	897.39	903.83	900.98	904.07	0.001144	3.95	1697.43	626.24	0.40
Gila	Lower Gila	195.77	5_year	Preproj	23500.00	897.58	906.86	904.56	907.79	0.002042	7.74	3037.10	1438.92	0.62
Gila	Lower Gila	195.77	5_year	TRWithprj	23500.00	897.58	906.86	904.56	907.79	0.002042	7.74	3037.10	1438.92	0.62
Gila	Lower Gila	195.77	5_year	Preproj_Design	23500.00	897.58	906.86	904.56	907.79	0.002042	7.74	3037.10	1438.92	0.62
Gila	Lower Gila	195.77	5_year	Withprj_Design	23500.00	897.58	906.86	904.56	907.79	0.002042	7.74	3037.10	1438.92	0.62
Gila	Lower Gila	195.77	10_year	Preproj	57000.00	897.58	909.44	907.79	910.20	0.001723	7.84	8785.80	1900.40	0.54
Gila	Lower Gila	195.77	10_year	TRWithprj	57000.00	897.58	909.44	907.79	910.20	0.001723	7.84	8785.80	1900.40	0.54
Gila	Lower Gila	195.77	10_year	Preproj_Design	57000.00	897.58	909.44	907.79	910.20	0.001723	7.84	8785.80	1900.40	0.54
Gila	Lower Gila	195.77	10_year	Withprj_Design	57000.00	897.58	909.44	907.79	910.20	0.001723	7.84	8785.80	1900.40	0.54
Gila	Lower Gila	195.77	20_year	Preproj	92000.00	897.58	911.44	909.12	912.33	0.001680	8.66	13036.62	2116.24	0.52
Gila	Lower Gila	195.77	20_year	TRWithprj	92000.00	897.58	911.44	909.12	912.33	0.001680	8.66	13036.62	2116.24	0.52
Gila	Lower Gila	195.77	20_year	Preproj_Design	92000.00	897.58	911.44	909.12	912.33	0.001680	8.66	13036.62	2116.24	0.52
Gila	Lower Gila	195.77	20_year	Withprj_Design	92000.00	897.58	911.44	909.12	912.33	0.001680	8.66	13036.62	2116.24	0.52
Gila	Lower Gila	195.77	50_year	Preproj	185000.00	897.58	915.48	911.87	916.66	0.001552	10.17	22514.02	3595.22	0.51
Gila	Lower Gila	195.77	50_year	TRWithprj	185000.00	897.58	915.48	911.87	916.66	0.001552	10.17	22514.02	3595.22	0.51
Gila	Lower Gila	195.77	50_year	Preproj_Design	185000.00	897.58	915.48	911.87	916.66	0.001552	10.17	22514.02	3595.22	0.51
Gila	Lower Gila	195.77	50_year	Withprj_Design	185000.00	897.58	915.48	911.87	916.66	0.001552	10.17	22514.02	3595.22	0.51
Gila	Lower Gila	195.77	100_year	Preproj	227000.00	897.58	916.90	912.85	918.18	0.001485	10.58	26409.81	4432.00	0.50
Gila	Lower Gila	195.77	100_year	TRWithprj	227000.00	897.58	916.90	912.85	918.18	0.001485	10.58	26409.81	4432.00	0.50
Gila	Lower Gila	195.77	100_year	Preproj_Design	227000.00	897.58	916.90	912.85	918.18	0.001485	10.58	26409.81	4432.00	0.50
Gila	Lower Gila	195.77	100_year	Withprj_Design	227000.00	897.58	916.90	912.85	918.18	0.001485	10.58	26409.81	4432.00	0.50
Gila	Lower Gila	195.77	Typ Peak_year	Preproj	6700.00	897.58	903.00	900.54	903.35	0.001131	4.79	1399.31	342.29	0.38
Gila	Lower Gila	195.77	Typ Peak_year	TRWithprj	6700.00	897.58	903.00	900.54	903.35	0.001131	4.79	1399.31	342.29	0.38
Gila	Lower Gila	195.77	Typ Peak_year	Preproj_Design	6700.00	897.58	903.00	900.54	903.35	0.001131	4.79	1399.31	342.29	0.38
Gila	Lower Gila	195.77	Typ Peak_year	Withprj_Design	6700.00	897.58	903.00	900.54	903.35	0.001131	4.79	1399.31	342.29	0.38
Gila	Lower Gila	195.65	5_year	Preproj	23500.00	897.58	906.21	902.48	906.84	0.001250	6.34	3705.19	1158.96	0.46
Gila	Lower Gila	195.65	5_year	TRWithprj	23500.00	897.58	906.21	902.48	906.84	0.001250	6.34	3705.19	1158.96	0.46
Gila	Lower Gila	195.65	5_year	Preproj_Design	23500.00	897.58	906.21	902.48	906.84	0.001250	6.34	3705.19	1158.96	0.46
Gila	Lower Gila	195.65	5_year	Withprj_Design	23500.00	897.58	906.21	902.48	906.84	0.001250	6.34	3705.19	1158.96	0.46
Gila	Lower Gila	195.65	10_year	Preproj	57000.00	897.58	908.19	906.51	909.17	0.001951	8.65	7960.37	1695.34	0.59
Gila	Lower Gila	195.65	10_year	TRWithprj	57000.00	897.58	908.19	906.51	909.17	0.001951	8.65	7960.37	1695.34	0.59
Gila	Lower Gila	195.65	10_year	Preproj_Design	57000.00	897.58	908.19	906.51	909.17	0.001951	8.65	7960.37	1695.34	0.59
Gila	Lower Gila	195.65	10_year	Withprj_Design	57000.00	897.58	908.19	906.51	909.17	0.001951	8.65	7960.37	1695.34	0.59
Gila	Lower Gila	195.65	20_year	Preproj	92000.00	897.58	910.13	907.85	911.30	0.002001	9.69	11597.71	1874.80	0.59
Gila	Lower Gila	195.65	20_year	TRWithprj	92000.00	897.58	910.13	907.85	911.30	0.002001	9.69	11597.71	1874.80	0.59
Gila	Lower Gila	195.65	20_year	Preproj_Design	92000.00	897.58	910.13	907.85	911.30	0.002001	9.69	11597.71	1874.80	0.59
Gila	Lower Gila	195.65	20_year	Withprj_Design	92000.00	897.58	910.13	907.85	911.30	0.002001	9.69	11597.71	1874.80	0.59
Gila	Lower Gila	195.65	50_year	Preproj	185000.00	897.58	914.10	911.33	915.67	0.001944	11.60	20211.23	2466.60	0.58
Gila	Lower Gila	195.65	50_year	TRWithprj	185000.00	897.58	914.10	911.33	915.67	0.001944	11.60	20211.23	2466.60	0.58
Gila	Lower Gila	195.65	50_year	Preproj_Design	185000.00	897.58	914.10	911.33	915.67	0.001944	11.60	20211.23	2466.60	0.58
Gila	Lower Gila	195.65	50_year	Withprj_Design	185000.00	897.58	914.10	911.33	915.67	0.001944	11.60	20211.23	2466.60	0.58
Gila	Lower Gila	195.65	100_year	Preproj	227000.00	897.58	915.59	912.06	917.24	0.001818	11.96	23942.38	2522.50	0.56
Gila	Lower Gila	195.65	100_year	TRWithprj	227000.00	897.58	915.59	912.06	917.24	0.001818	11.96	23942.38	2522.50	0.56
Gila	Lower Gila	195.65	100_year	Preproj_Design	227000.00	897.58	915.59	912.06	917.24	0.001818	11.96	23942.38	2522.50	0.56
Gila	Lower Gila	195.65	100_year	Withprj_Design	227000.00	897.58	915.59	912.06	917.24	0.001818	11.96	23942.38	2522.50	0.56
Gila	Lower Gila	195.65	Typ Peak_year	Preproj	6700.00	897.58	902.69	899.72	902.87	0.000573	3.38	1980.86	594.46	0.27
Gila	Lower Gila	195.65	Typ Peak_year	TRWithprj	6700.00	897.58	902.69	899.72	902.87	0.000573	3.38	1980.86	594.46	0.27
Gila	Lower Gila	195.65	Typ Peak_year	Preproj_Design	6700.00	897.58	902.69	899.72	902.87	0.000573	3.38	1980.86	594.46	0.27
Gila	Lower Gila	195.65	Typ Peak_year	Withprj_Design	6700.00	897.58	902.69	899.72	902.87	0.000573	3.38	1980.86	594.46	0.27
Gila	Lower Gila	195.55	5_year	Preproj	23500.00	897.89	905.67	902.55	906.09	0.001364	5.17	4544.12	1591.61	0.37
Gila	Lower Gila	195.55	5_year	TRWithprj	23500.00	897.89	905.67	902.55	906.09	0.001364	5.17	4544.12	1591.61	0.37
Gila	Lower Gila	195.55	5_year	Preproj_Design	23500.00	897.89	905.67	902.55	906.09	0.001364	5.17	4544.12	1591.61	0.37
Gila	Lower Gila	195.55	5_year	Withprj_Design	23500.00	897.89	905.67	902.55	906.09	0.001364	5.17	4544.12	1591.61	0.37
Gila	Lower Gila	195.55	10_year	Preproj	57000.00	897.89	907.38	905.24	908.07	0.001879	7.17	9052.48	1818.70	0.46
Gila	Lower Gila	195.55	10_year	TRWithprj	57000.00	897.89	907.38	905.24	908.07	0.001879	7.17	9052.48	1818.70	0.46
Gila	Lower Gila	195.55	10_year	Preproj_Design	57000.00	897.89	907.38	905.24	908.07	0.001879	7.17	9052.48	1818.70	0.46
Gila	Lower Gila	195.55	10_year	Withprj_Design	57000.00	897.89	907.38	905.24	908.07	0.001879	7.17	9052.48	1818.70	0.46
Gila	Lower Gila	195.55	20_year	Preproj	92000.00	897.89	909.39	906.57	910.21	0.001740	8.06	13460.80	2135.21	0.46
Gila	Lower Gila	195.55	20_year	TRWithprj	92000.00	897.89	909.39	906.57	910.21	0.001740	8.06	13460.80	2135.21	0.46
Gila	Lower Gila	195.55	20_year	Preproj_Design	92000.00	897.89	909.39	906.57	910.21	0.001740	8.06	13460.80	2135.21	0.46
Gila	Lower Gila	195.55	20_year	Withprj_Design	92000.00	897.89	909.39	906.57	910.21	0.001740	8.06	13460.80	2135.21	0.46
Gila	Lower Gila	195.55	50_year	Preproj	185000.00	897.89	913.47	909.22	914.59	0.001630	9.85	23112.11	2565.45	0.47
Gila	Lower Gila	195.55	50_year	TRWithprj	185000.00	897.89	913.47	909.22	914.59	0.001630	9.85	23112.11	2565.45	0.47
Gila	Lower Gila	195.55	50_year	Preproj_Design	185000.00	897.89	913.47	909.22	914.59	0.001630	9.85	23112.11	2565.45	0.47
Gila	Lower Gila	195.55	50_year	Withprj_Design	185000.00	897.89	913.47	909.22	914.59	0.001630	9.85	23112.11	2565.45	0.47
Gila	Lower Gila	195.55	100_year	Preproj	227000.00	897.89	915.01	910.65	916.23	0.001521	10.21	26936.69	2852.48	0.46
Gila	Lower Gila	195.55	100_year	TRWithprj	227000.00	897.89	915.01	910.65	916.23	0.001521	10.21	26936.69	2852.48	0.46
Gila	Lower Gila	195.55	100_year	Preproj_Design	227000.00	897.89	915.01	910.65	916.23	0.001521	10.21	26936.69	2852.48	0.46
Gila	Lower Gila	195.55	100_year	Withprj_Design	227000.00	897.89	915.01	910.65	916.23	0.001521	10.21	26936.69	2852.48	0.46
Gila	Lower Gila	195.55	Typ Peak_year	Preproj	6700.00	897.89	902.27	900.19	902.43	0.001291	3.22	2083.17	910.98	0.32
Gila	Lower Gila	195.55	Typ Peak_year	TRWithprj	6700.00	897.89	902.27	900.19	902.43	0.001291	3.22	2083.17	910.98	0.32
Gila	Lower Gila	195.55	Typ Peak_year	Preproj_Design	6700.00	897.89	902.27	900.19	902.43	0.001291	3.22	2083.17	910.98	0.32
Gila	Lower Gila	195.55	Typ Peak_year	Withprj_Design	6700.00	897.89	902.27	900.19	902.43	0.001291	3.22	2083.17	910.98	0.32
Gila	Lower Gila	195.45	5_year	Preproj	23500.00	896.41	904.88	902.26	905.28	0.001514	5.10	4605.58	1713.29	0.39
Gila	Lower Gila	195.45	5_year	TRWithprj	23500.00	896.41	904.88	902.26	905.28	0.001514	5.10	4605.58	1713.29	0.39
Gila	Lower Gila	195.45	5_year	Preproj_Design	23500.00	896.41	904.88	902.26	905.28	0.001514	5.10	4605.58	1713.29	0.39
Gila	Lower Gila	195.45	5_year	Withprj_Design	23500.00	896.41	904.88	902.26	905.28	0.001514	5.10	4605.58	1713.29	0.39
Gila	Lower Gila	195.45	10_year	Preproj	57000.00	896.41	906.26	904.64	906.92	0.002169	7.11	9222.32	1890.22	0.48
Gila	Lower Gila	195.45	10_year	TRWithprj	57000.00	896.41	906.26	904.64	906.92	0.002169	7.11	9222.32	1890.22	0.48
Gila	Lower Gila	195.45	10_year	Preproj_Design	57000.00	896.41	906.26	904.64	906.92	0.002169	7.11	9222.32	1890.22	0.48
Gila	Lower Gila	195.45	10_year	Withprj_Design	57000.00	896.41	906.26	904.64	906.92	0.002169	7.11	9222.32	1890.22	0.48
Gila	Lower Gila	195.45	20_year	Preproj	92000.00	896.41	908.25	905.44	909.12	0.002117	8.33	13162.23	2210.39	0.49
Gila	Lower Gila	195.45	20_year	TRWithprj	92000.00	896.41	908.25	905.44	909.12	0.002117	8.33	13162.23	2210.39	0.49

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	195.45	20_year	Preproj_Design	92000.00	896.41	908.25	905.44	909.12	0.002117	8.33	13162.23	2210.39	0.49
Gila	Lower Gila	195.45	20_year	Withprj_Design	92000.00	896.41	908.25	905.44	909.12	0.002117	8.33	13162.23	2210.39	0.49
Gila	Lower Gila	195.45	50_year	Preproj	185000.00	896.41	912.54	907.60	913.66	0.001671	9.64	23184.65	2771.65	0.47
Gila	Lower Gila	195.45	50_year	TRWithprj	185000.00	896.41	912.54	907.60	913.66	0.001671	9.64	23184.65	2771.65	0.47
Gila	Lower Gila	195.45	50_year	Preproj_Design	185000.00	896.41	912.54	907.60	913.66	0.001671	9.64	23184.65	2771.65	0.47
Gila	Lower Gila	195.45	50_year	Withprj_Design	185000.00	896.41	912.54	907.60	913.66	0.001671	9.64	23184.65	2771.65	0.47
Gila	Lower Gila	195.45	100_year	Preproj	227000.00	896.41	914.19	909.53	915.36	0.001494	9.86	27408.43	2995.09	0.45
Gila	Lower Gila	195.45	100_year	TRWithprj	227000.00	896.41	914.19	909.53	915.36	0.001494	9.86	27408.43	2995.09	0.45
Gila	Lower Gila	195.45	100_year	Preproj_Design	227000.00	896.41	914.19	909.53	915.36	0.001494	9.86	27408.43	2995.09	0.45
Gila	Lower Gila	195.45	100_year	Withprj_Design	227000.00	896.41	914.19	909.53	915.36	0.001494	9.86	27408.43	2995.09	0.45
Gila	Lower Gila	195.45	Typ Peak_year	Preproj	6700.00	896.41	901.08	900.07	901.36	0.003063	4.25	1575.06	804.03	0.48
Gila	Lower Gila	195.45	Typ Peak_year	TRWithprj	6700.00	896.41	901.08	900.07	901.36	0.003063	4.25	1575.06	804.03	0.48
Gila	Lower Gila	195.45	Typ Peak_year	Preproj_Design	6700.00	896.41	901.08	900.07	901.36	0.003063	4.25	1575.06	804.03	0.48
Gila	Lower Gila	195.45	Typ Peak_year	Withprj_Design	6700.00	896.41	901.08	900.07	901.36	0.003063	4.25	1575.06	804.03	0.48
Gila	Lower Gila	195.34	5_year	Preproj	23500.00	892.60	904.68	900.46	904.92	0.000784	3.99	5888.03	1696.64	0.28
Gila	Lower Gila	195.34	5_year	TRWithprj	23500.00	892.60	904.68	900.46	904.92	0.000784	3.99	5888.03	1696.64	0.28
Gila	Lower Gila	195.34	5_year	Preproj_Design	23500.00	892.60	904.68	900.46	904.92	0.000784	3.99	5888.03	1696.64	0.28
Gila	Lower Gila	195.34	5_year	Withprj_Design	23500.00	892.60	904.68	900.46	904.92	0.000784	3.99	5888.03	1696.64	0.28
Gila	Lower Gila	195.34	10_year	Preproj	57000.00	892.60	905.83	903.13	906.36	0.001531	6.23	10270.74	1870.74	0.41
Gila	Lower Gila	195.34	10_year	TRWithprj	57000.00	892.60	905.83	903.13	906.36	0.001531	6.23	10270.74	1870.74	0.41
Gila	Lower Gila	195.34	10_year	Preproj_Design	57000.00	892.60	905.83	903.13	906.36	0.001531	6.23	10270.74	1870.74	0.41
Gila	Lower Gila	195.34	10_year	Withprj_Design	57000.00	892.60	905.83	903.13	906.36	0.001531	6.23	10270.74	1870.74	0.41
Gila	Lower Gila	195.34	20_year	Preproj	92000.00	892.60	907.84	905.21	908.56	0.001535	7.33	14060.22	2031.21	0.42
Gila	Lower Gila	195.34	20_year	TRWithprj	92000.00	892.60	907.84	905.21	908.56	0.001535	7.33	14060.22	2031.21	0.42
Gila	Lower Gila	195.34	20_year	Preproj_Design	92000.00	892.60	907.84	905.21	908.56	0.001535	7.33	14060.22	2031.21	0.42
Gila	Lower Gila	195.34	20_year	Withprj_Design	92000.00	892.60	907.84	905.21	908.56	0.001535	7.33	14060.22	2031.21	0.42
Gila	Lower Gila	195.34	50_year	Preproj	185000.00	892.60	912.13	907.41	913.20	0.001426	9.11	23334.43	2857.81	0.44
Gila	Lower Gila	195.34	50_year	TRWithprj	185000.00	892.60	912.13	907.41	913.20	0.001426	9.11	23334.43	2857.81	0.44
Gila	Lower Gila	195.34	50_year	Preproj_Design	185000.00	892.60	912.13	907.41	913.20	0.001426	9.11	23334.43	2857.81	0.44
Gila	Lower Gila	195.34	50_year	Withprj_Design	185000.00	892.60	912.13	907.41	913.20	0.001426	9.11	23334.43	2857.81	0.44
Gila	Lower Gila	195.34	100_year	Preproj	227000.00	892.60	913.79	908.24	914.96	0.001343	9.54	27061.05	3543.80	0.43
Gila	Lower Gila	195.34	100_year	TRWithprj	227000.00	892.60	913.79	908.24	914.96	0.001343	9.54	27061.05	3543.80	0.43
Gila	Lower Gila	195.34	100_year	Preproj_Design	227000.00	892.60	913.79	908.24	914.96	0.001343	9.54	27061.05	3543.80	0.43
Gila	Lower Gila	195.34	100_year	Withprj_Design	227000.00	892.60	913.79	908.24	914.96	0.001343	9.54	27061.05	3543.80	0.43
Gila	Lower Gila	195.34	Typ Peak_year	Preproj	6700.00	892.60	900.83	898.24	900.93	0.000700	2.59	2587.44	979.73	0.24
Gila	Lower Gila	195.34	Typ Peak_year	TRWithprj	6700.00	892.60	900.83	898.24	900.93	0.000700	2.59	2587.44	979.73	0.24
Gila	Lower Gila	195.34	Typ Peak_year	Preproj_Design	6700.00	892.60	900.83	898.24	900.93	0.000700	2.59	2587.44	979.73	0.24
Gila	Lower Gila	195.34	Typ Peak_year	Withprj_Design	6700.00	892.60	900.83	898.24	900.93	0.000700	2.59	2587.44	979.73	0.24
Gila	Lower Gila	195.28	5_year	Preproj	23500.00	892.60	904.13	900.89	904.56	0.001436	5.25	4477.93	1590.11	0.38
Gila	Lower Gila	195.28	5_year	TRWithprj	23500.00	892.60	904.13	900.89	904.56	0.001436	5.25	4477.93	1590.11	0.38
Gila	Lower Gila	195.28	5_year	Preproj_Design	23500.00	892.60	904.13	900.89	904.56	0.001436	5.25	4477.93	1590.11	0.38
Gila	Lower Gila	195.28	5_year	Withprj_Design	23500.00	892.60	904.13	900.89	904.56	0.001436	5.25	4477.93	1590.11	0.38
Gila	Lower Gila	195.28	10_year	Preproj	57000.00	892.60	905.34	903.77	905.84	0.001623	5.84	10154.14	1766.52	0.41
Gila	Lower Gila	195.28	10_year	TRWithprj	57000.00	892.60	905.34	903.77	905.84	0.001623	5.84	10154.14	1766.52	0.41
Gila	Lower Gila	195.28	10_year	Preproj_Design	57000.00	892.60	905.34	903.77	905.84	0.001623	5.84	10154.14	1766.52	0.41
Gila	Lower Gila	195.28	10_year	Withprj_Design	57000.00	892.60	905.34	903.77	905.84	0.001623	5.84	10154.14	1766.52	0.41
Gila	Lower Gila	195.28	20_year	Preproj	92000.00	892.60	907.30	904.71	908.03	0.001680	7.12	13620.11	1961.16	0.44
Gila	Lower Gila	195.28	20_year	TRWithprj	92000.00	892.60	907.30	904.71	908.03	0.001680	7.12	13620.11	1961.16	0.44
Gila	Lower Gila	195.28	20_year	Preproj_Design	92000.00	892.60	907.30	904.71	908.03	0.001680	7.12	13620.11	1961.16	0.44
Gila	Lower Gila	195.28	20_year	Withprj_Design	92000.00	892.60	907.30	904.71	908.03	0.001680	7.12	13620.11	1961.16	0.44
Gila	Lower Gila	195.28	50_year	Preproj	185000.00	892.60	911.53	906.69	912.69	0.001591	9.12	21590.07	2962.40	0.45
Gila	Lower Gila	195.28	50_year	TRWithprj	185000.00	892.60	911.53	906.69	912.69	0.001591	9.12	21590.07	2962.40	0.45
Gila	Lower Gila	195.28	50_year	Preproj_Design	185000.00	892.60	911.53	906.69	912.69	0.001591	9.12	21590.07	2962.40	0.45
Gila	Lower Gila	195.28	50_year	Withprj_Design	185000.00	892.60	911.53	906.69	912.69	0.001591	9.12	21590.07	2962.40	0.45
Gila	Lower Gila	195.28	100_year	Preproj	227000.00	892.60	913.13	907.82	914.47	0.001551	9.75	24647.54	3801.10	0.46
Gila	Lower Gila	195.28	100_year	TRWithprj	227000.00	892.60	913.13	907.82	914.47	0.001551	9.75	24647.54	3801.10	0.46
Gila	Lower Gila	195.28	100_year	Preproj_Design	227000.00	892.60	913.13	907.82	914.47	0.001551	9.75	24647.54	3801.10	0.46
Gila	Lower Gila	195.28	100_year	Withprj_Design	227000.00	892.60	913.13	907.82	914.47	0.001551	9.75	24647.54	3801.10	0.46
Gila	Lower Gila	195.28	Typ Peak_year	Preproj	6700.00	892.60	900.43	897.70	900.61	0.001297	3.44	1948.85	1011.31	0.33
Gila	Lower Gila	195.28	Typ Peak_year	TRWithprj	6700.00	892.60	900.43	897.70	900.61	0.001297	3.44	1948.85	1011.31	0.33
Gila	Lower Gila	195.28	Typ Peak_year	Preproj_Design	6700.00	892.60	900.43	897.70	900.61	0.001297	3.44	1948.85	1011.31	0.33
Gila	Lower Gila	195.28	Typ Peak_year	Withprj_Design	6700.00	892.60	900.43	897.70	900.61	0.001297	3.44	1948.85	1011.31	0.33
Gila	Lower Gila	195.22	5_year	Preproj	23500.00	891.00	904.06	900.33	904.38	0.001041	4.52	5194.96	1717.88	0.32
Gila	Lower Gila	195.22	5_year	TRWithprj	23500.00	891.00	904.06	900.33	904.38	0.001041	4.52	5194.96	1717.88	0.32
Gila	Lower Gila	195.22	5_year	Preproj_Design	23500.00	891.00	904.06	900.33	904.38	0.001041	4.52	5194.96	1717.88	0.32
Gila	Lower Gila	195.22	5_year	Withprj_Design	23500.00	891.00	904.06	900.33	904.38	0.001041	4.52	5194.96	1717.88	0.32
Gila	Lower Gila	195.22	10_year	Preproj	57000.00	891.00	905.25	903.17	905.65	0.001105	5.26	11405.12	1772.45	0.34
Gila	Lower Gila	195.22	10_year	TRWithprj	57000.00	891.00	905.25	903.17	905.65	0.001105	5.26	11405.12	1772.45	0.34
Gila	Lower Gila	195.22	10_year	Preproj_Design	57000.00	891.00	905.25	903.17	905.65	0.001105	5.26	11405.12	1772.45	0.34
Gila	Lower Gila	195.22	10_year	Withprj_Design	57000.00	891.00	905.25	903.17	905.65	0.001105	5.26	11405.12	1772.45	0.34
Gila	Lower Gila	195.22	20_year	Preproj	92000.00	891.00	907.22	904.71	907.82	0.001225	6.50	14811.01	1812.61	0.38
Gila	Lower Gila	195.22	20_year	TRWithprj	92000.00	891.00	907.22	904.71	907.82	0.001225	6.50	14811.01	1812.61	0.38
Gila	Lower Gila	195.22	20_year	Preproj_Design	92000.00	891.00	907.22	904.71	907.82	0.001225	6.50	14811.01	1812.61	0.38
Gila	Lower Gila	195.22	20_year	Withprj_Design	92000.00	891.00	907.22	904.71	907.82	0.001225	6.50	14811.01	1812.61	0.38
Gila	Lower Gila	195.22	50_year	Preproj	185000.00	891.00	911.41	905.82	912.50	0.001330	8.70	22154.07	2435.87	0.42
Gila	Lower Gila	195.22	50_year	TRWithprj	185000.00	891.00	911.41	905.82	912.50	0.001330	8.70	22154.07	2435.87	0.42
Gila	Lower Gila	195.22	50_year	Preproj_Design	185000.00	891.00	911.41	905.82	912.50	0.001330	8.70	22154.07	2435.87	0.42
Gila	Lower Gila	195.22	50_year	Withprj_Design	185000.00	891.00	911.41	905.82	912.50	0.001330	8.70	22154.07	2435.87	0.42
Gila	Lower Gila	195.22	100_year	Preproj	227000.00	891.00	912.98	906.86	914.28	0.001360	9.48	24956.57	3836.13	0.43
Gila	Lower Gila	195.22	100_year	TRWithprj	227000.00	891.00	912.98	906.86	914.28	0.001360	9.48	24956.57	3836.13	0.43
Gila	Lower Gila	195.22	100_year	Preproj_Design	227000.00	891.00	912.98	906.86	914.28	0.001360	9.48	24956.57	3836.13	0.43
Gila	Lower Gila	195.22	100_year	Withprj_Design	227000.00	891.00	912.98	906.86	914.28	0.001360	9.48	24956.57	3836.13	0.43
Gila	Lower Gila	195.22	Typ Peak_year	Preproj	6700.00	891.00	900.32	896.69	900.46	0.000997	2.95	2274.82	1343.86	0.29
Gila	Lower Gila	195.22	Typ Peak_year	TRWithprj	6700.00	891.00	900.32	896.69	900.46	0.000997	2.95	2274.82	1343.86	0.29
Gila	Lower Gila	195.22	Typ Peak_year	Preproj_Design	6700.00	891.00	900.32	896.69	900.46	0.000997	2.95	2274.82	1343.86	0.29
Gila	Lower Gila	195.22	Typ Peak_year	Withprj_Design	6700.00	891.00	900.32	896.69	900.46	0.000997	2.95	2274.82	1343.86	0.29
Gila	Lower Gila	195.21			Bridge									
Gila	Lower Gila	195.2	5_year	Preproj	23500.00	891.00	903.78	900.49	904.13	0.001139	4.72	4975.82	1721.32	0.34
Gila	Lower Gila	195.2	5_year	TRWithprj	23500.00	891.00	903.78	900.49	904.13	0.001139	4.72	4975.82	1721.32	0.34
Gila	Lower Gila	195.2	5_year	Preproj_Design	23500.00	891.00	903.78	900.49	904.13	0.001139	4.72	4975.82	1721.32	0.34
Gila	Lower Gila	195.2	5_year	Withprj_Design	23500.00	891.00	903.78	900.49	904.13	0.001139	4.72	4975.82	1721.32	0.34
Gila	Lower Gila	195.2	10_year	Preproj	57000.00	891.00	904.72	903.07	905.16	0.001258	5.47	10901.86	1766.43	0.37
Gila	Lower Gila	195.2	10_year	TRWithprj	57000.00	891.00	904.72	903.07	905.16	0.001258	5.47	10901.86	1766.43	0.37
Gila	Lower Gila	195.2	10_year	Preproj_Design	57000.00	891.00	904.72	903.07	905.16	0.001258	5.47	10901.86	1766.43	0.37

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Gila	Lower Gila	195.2	10_year	Withprj_Design	57000.00	891.00	904.72	903.07	905.16	0.001258	5.47	10901.86	1766.43	0.37
Gila	Lower Gila	195.2	20_year	Preproj	92000.00	891.00	906.90	904.56	907.52	0.001249	6.54	14678.64	1811.54	0.38
Gila	Lower Gila	195.2	20_year	TRWithprj	92000.00	891.00	906.90	904.56	907.52	0.001249	6.54	14678.64	1811.54	0.38
Gila	Lower Gila	195.2	20_year	Preproj_Design	92000.00	891.00	906.90	904.56	907.52	0.001249	6.54	14678.64	1811.54	0.38
Gila	Lower Gila	195.2	20_year	Withprj_Design	92000.00	891.00	906.90	904.56	907.52	0.001249	6.54	14678.64	1811.54	0.38
Gila	Lower Gila	195.2	50_year	Preproj	185000.00	891.00	911.02	905.63	912.14	0.001375	8.79	21909.77	1959.02	0.43
Gila	Lower Gila	195.2	50_year	TRWithprj	185000.00	891.00	911.02	905.63	912.14	0.001375	8.79	21909.77	1959.02	0.43
Gila	Lower Gila	195.2	50_year	Preproj_Design	185000.00	891.00	911.02	905.63	912.14	0.001375	8.79	21909.77	1959.02	0.43
Gila	Lower Gila	195.2	50_year	Withprj_Design	185000.00	891.00	911.02	905.63	912.14	0.001375	8.79	21909.77	1959.02	0.43
Gila	Lower Gila	195.2	100_year	Preproj	227000.00	891.00	912.57	906.67	913.90	0.001406	9.58	24669.45	3273.91	0.44
Gila	Lower Gila	195.2	100_year	TRWithprj	227000.00	891.00	912.57	906.67	913.90	0.001406	9.58	24669.45	3273.91	0.44
Gila	Lower Gila	195.2	100_year	Preproj_Design	227000.00	891.00	912.57	906.67	913.90	0.001406	9.58	24669.45	3273.91	0.44
Gila	Lower Gila	195.2	100_year	Withprj_Design	227000.00	891.00	912.57	906.67	913.90	0.001406	9.58	24669.45	3273.91	0.44
Gila	Lower Gila	195.2	Typ Peak_year	Preproj	6700.00	891.00	899.99	896.72	900.17	0.001667	3.39	1976.74	1335.17	0.36
Gila	Lower Gila	195.2	Typ Peak_year	TRWithprj	6700.00	891.00	899.99	896.72	900.17	0.001667	3.39	1976.74	1335.17	0.36
Gila	Lower Gila	195.2	Typ Peak_year	Preproj_Design	6700.00	891.00	899.99	896.72	900.17	0.001667	3.39	1976.74	1335.17	0.36
Gila	Lower Gila	195.2	Typ Peak_year	Withprj_Design	6700.00	891.00	899.99	896.72	900.17	0.001667	3.39	1976.74	1335.17	0.36
Gila	Lower Gila	195.16	5_year	Preproj	23500.00	891.00	900.96	900.96	903.40	0.010678	12.56	1871.25	1270.73	1.00
Gila	Lower Gila	195.16	5_year	TRWithprj	23500.00	891.00	900.96	900.96	903.40	0.010678	12.56	1871.25	1270.73	1.00
Gila	Lower Gila	195.16	5_year	Preproj_Design	23500.00	891.00	900.96	900.96	903.40	0.010678	12.56	1871.25	1270.73	1.00
Gila	Lower Gila	195.16	5_year	Withprj_Design	23500.00	891.00	900.96	900.96	903.40	0.010678	12.56	1871.25	1270.73	1.00
Gila	Lower Gila	195.16	10_year	Preproj	57000.00	891.00	904.32	903.01	904.85	0.001661	5.75	9868.50	1706.99	0.41
Gila	Lower Gila	195.16	10_year	TRWithprj	57000.00	891.00	904.32	903.01	904.85	0.001661	5.75	9868.50	1706.99	0.41
Gila	Lower Gila	195.16	10_year	Preproj_Design	57000.00	891.00	904.32	903.01	904.85	0.001661	5.75	9868.50	1706.99	0.41
Gila	Lower Gila	195.16	10_year	Withprj_Design	57000.00	891.00	904.32	903.01	904.85	0.001661	5.75	9868.50	1706.99	0.41
Gila	Lower Gila	195.16	20_year	Preproj	92000.00	891.00	906.49	903.01	907.22	0.001660	7.04	13567.28	1846.59	0.43
Gila	Lower Gila	195.16	20_year	TRWithprj	92000.00	891.00	906.49	903.01	907.22	0.001660	7.04	13567.28	1846.59	0.43
Gila	Lower Gila	195.16	20_year	Preproj_Design	92000.00	891.00	906.49	903.01	907.22	0.001660	7.04	13567.28	1846.59	0.43
Gila	Lower Gila	195.16	20_year	Withprj_Design	92000.00	891.00	906.49	903.01	907.22	0.001660	7.04	13567.28	1846.59	0.43
Gila	Lower Gila	195.16	50_year	Preproj	185000.00	891.00	910.58	905.83	911.82	0.001661	9.21	20805.79	2349.57	0.46
Gila	Lower Gila	195.16	50_year	TRWithprj	185000.00	891.00	910.58	905.83	911.82	0.001661	9.21	20805.79	2349.57	0.46
Gila	Lower Gila	195.16	50_year	Preproj_Design	185000.00	891.00	910.58	905.83	911.82	0.001661	9.21	20805.79	2349.57	0.46
Gila	Lower Gila	195.16	50_year	Withprj_Design	185000.00	891.00	910.58	905.83	911.82	0.001661	9.21	20805.79	2349.57	0.46
Gila	Lower Gila	195.16	100_year	Preproj	227000.00	891.00	912.12	906.89	913.57	0.001663	9.97	23572.16	3636.47	0.47
Gila	Lower Gila	195.16	100_year	TRWithprj	227000.00	891.00	912.12	906.89	913.57	0.001663	9.97	23572.16	3636.47	0.47
Gila	Lower Gila	195.16	100_year	Preproj_Design	227000.00	891.00	912.12	906.89	913.57	0.001663	9.97	23572.16	3636.47	0.47
Gila	Lower Gila	195.16	100_year	Withprj_Design	227000.00	891.00	912.12	906.89	913.57	0.001663	9.97	23572.16	3636.47	0.47
Gila	Lower Gila	195.16	Typ Peak_year	Preproj	6700.00	891.00	899.46	896.14	899.82	0.001661	4.84	1383.76	870.06	0.39
Gila	Lower Gila	195.16	Typ Peak_year	TRWithprj	6700.00	891.00	899.46	896.14	899.82	0.001661	4.84	1383.76	870.06	0.39
Gila	Lower Gila	195.16	Typ Peak_year	Preproj_Design	6700.00	891.00	899.46	896.14	899.82	0.001661	4.84	1383.76	870.06	0.39
Gila	Lower Gila	195.16	Typ Peak_year	Withprj_Design	6700.00	891.00	899.46	896.14	899.82	0.001661	4.84	1383.76	870.06	0.39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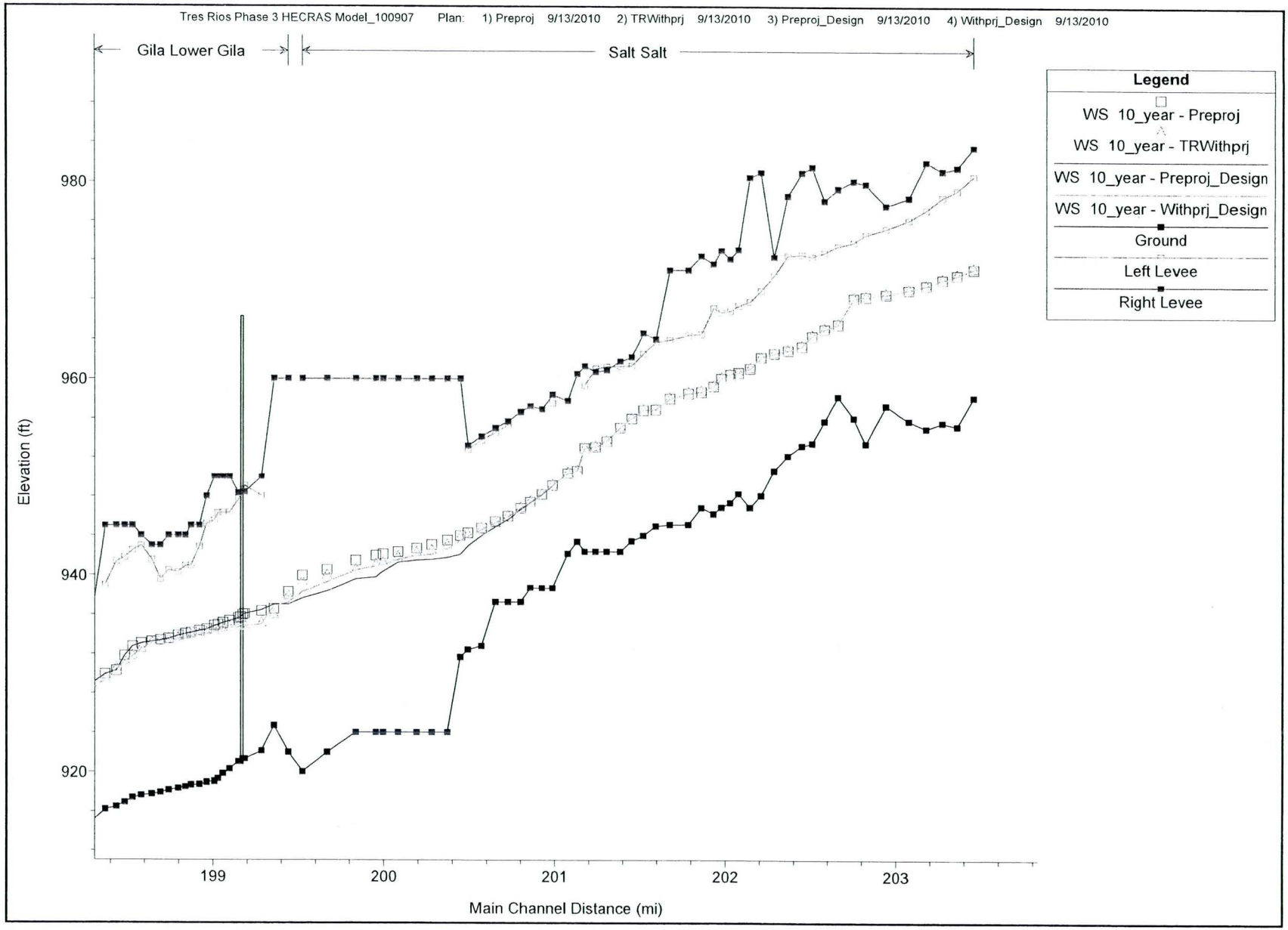
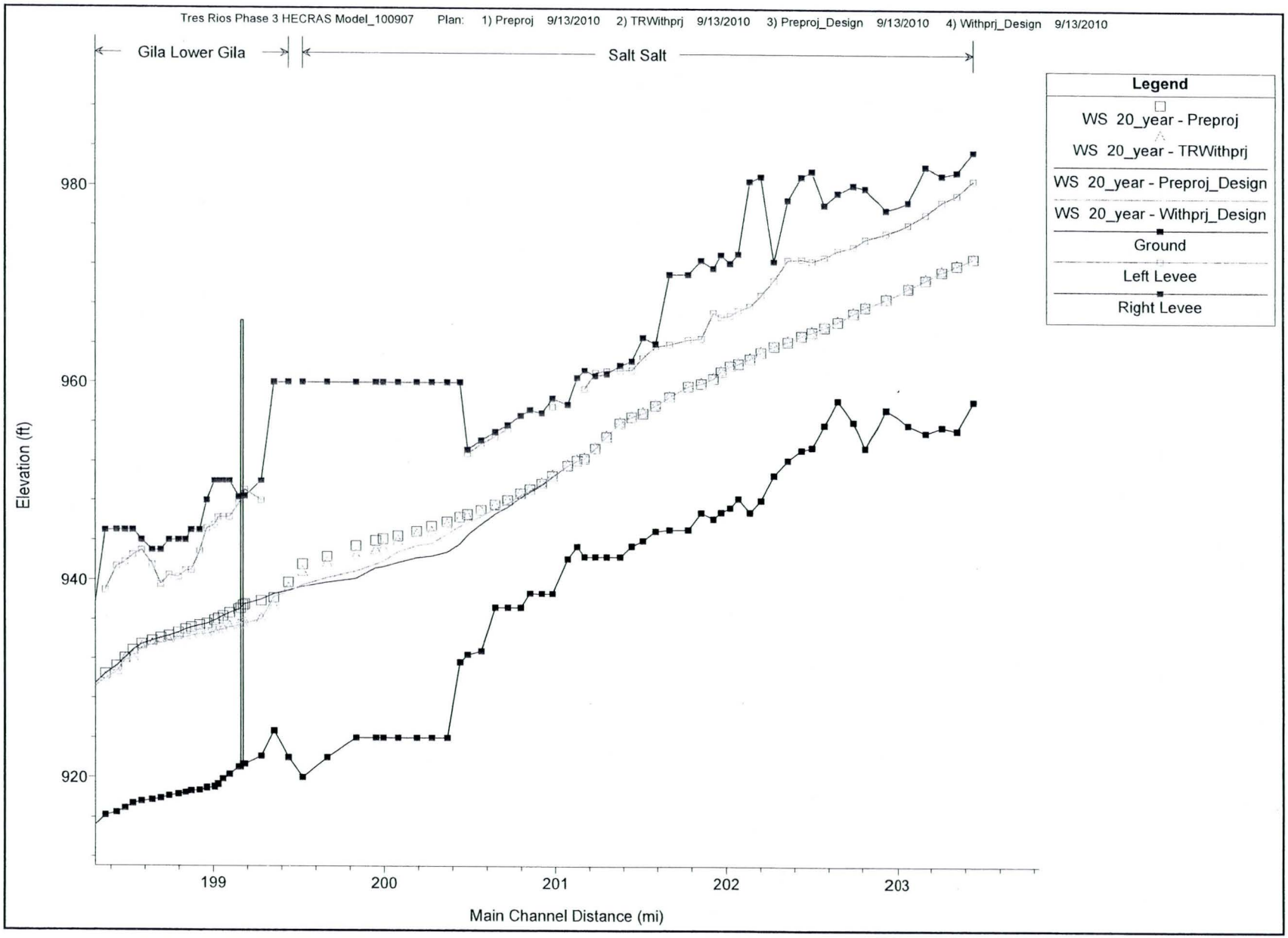
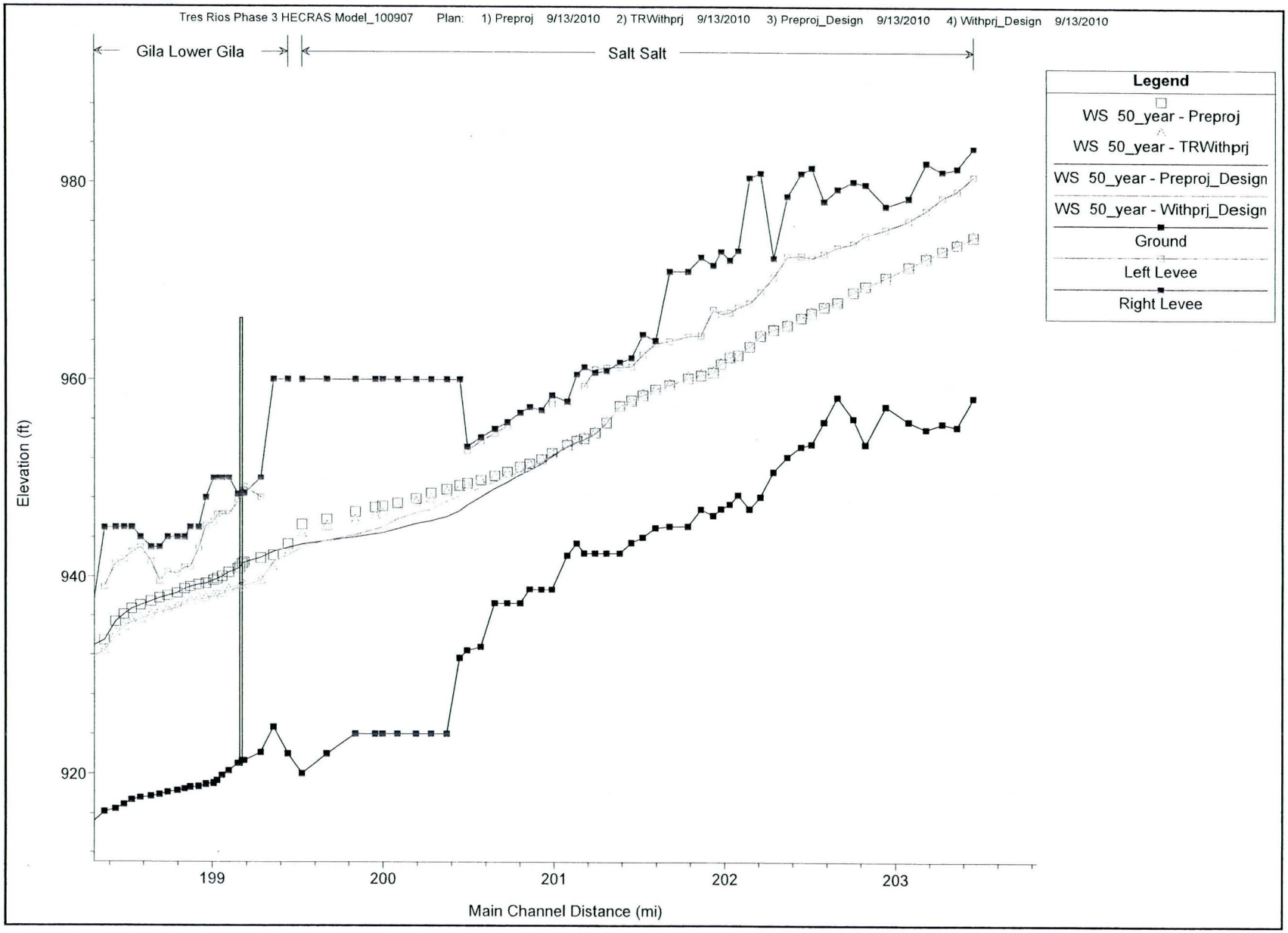
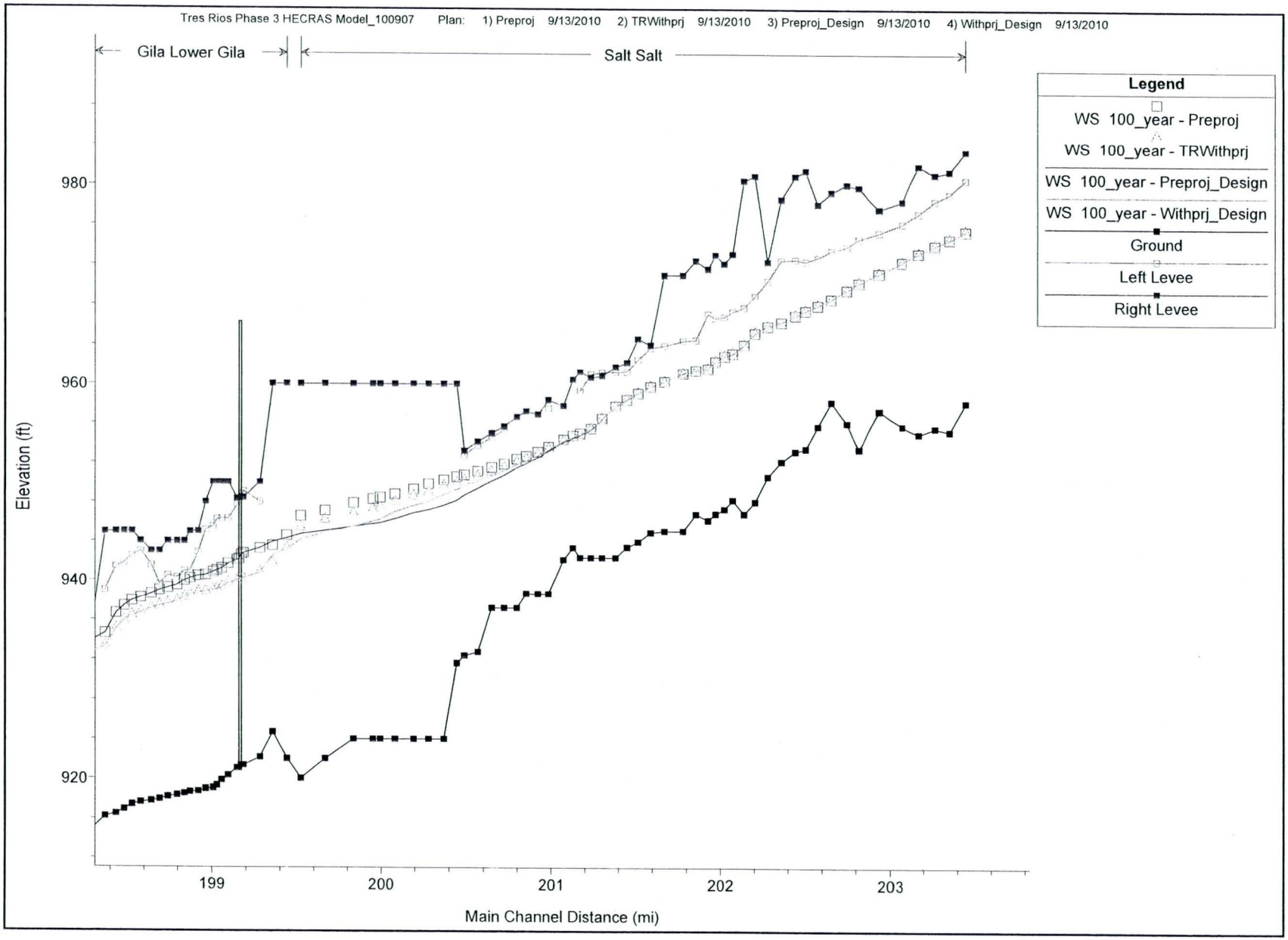
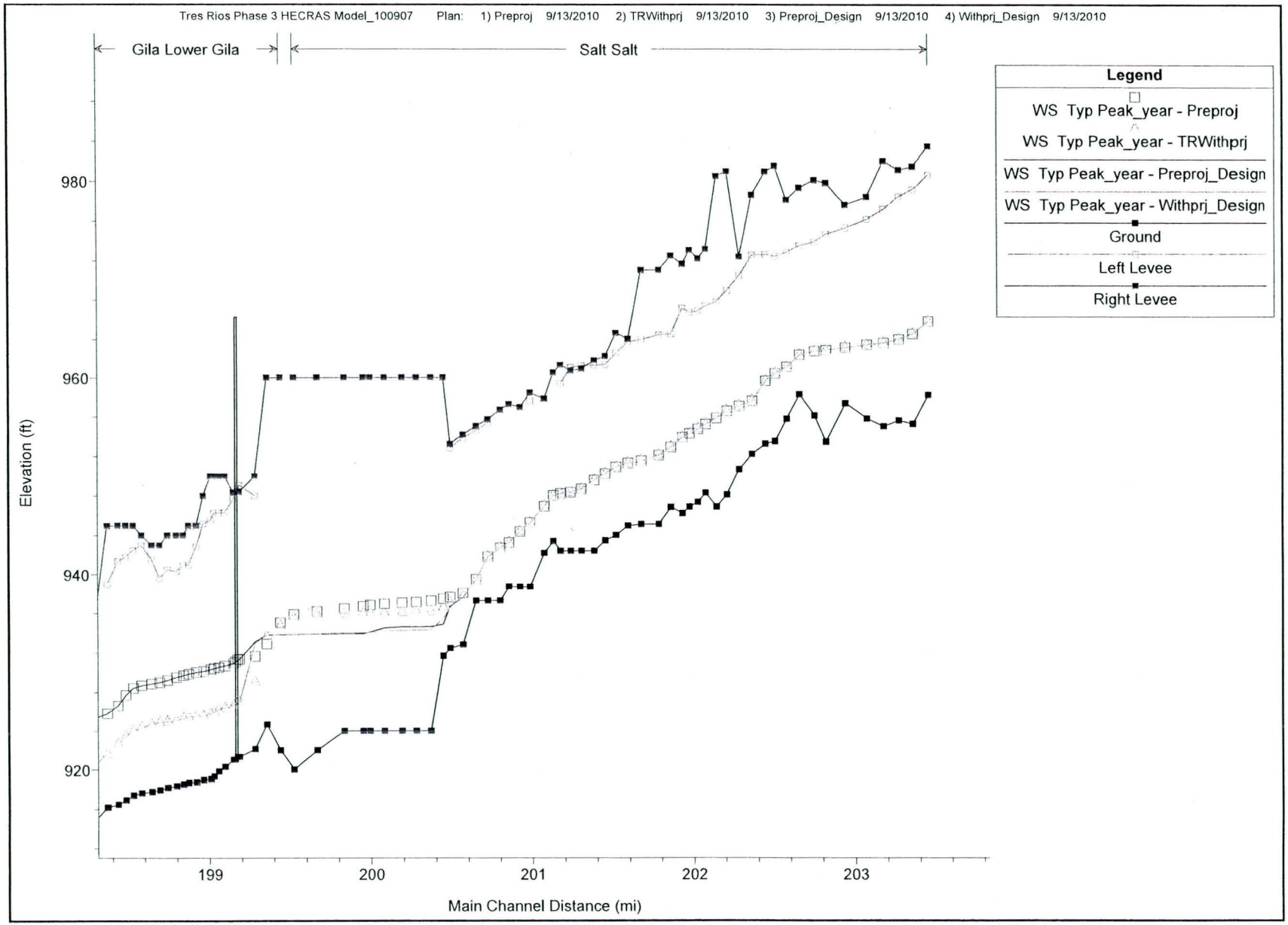
Gila Lower Gila
Salt Salt
Legend
WS 5_year - Preproj
WS 5_year - TRWithprj
WS 5_year - Preproj_Design
WS 5_year - Withprj_Design
Ground
Left Levee
Right Levee
Elevation (ft)
980
960
940
920
199
200
201
202
203
Main Channel Distance (mi)


Tres Rios Phase 3 HECRAS Model_100907 Plan: 1) Preproj 9/13/2010 2) TRWithprj 9/13/2010 3) Preproj_Design 9/13/2010 4) Withprj_Design 9/13/2010
Gila Lower Gila
Salt Salt
Legend
WS 10_year - Preproj
WS 10_year - TRWithprj
WS 10_year - Preproj_Design
WS 10_year - Withprj_Design
Ground
Left Levee
Right Levee
Elevation (ft)
980
960
940
920
199
200
201
202
203
Main Channel Distance (mi)


Tres Rios Phase 3 HECRAS Model_100907 Plan: 1) Preproj 9/13/2010 2) TRWithprj 9/13/2010 3) Preproj_Design 9/13/2010 4) Withprj_Design 9/13/2010
Gila Lower Gila
Salt Salt
Legend
WS 20_year - Preproj
WS 20_year - TRWithprj
WS 20_year - Preproj_Design
WS 20_year - Withprj_Design
Ground
Left Levee
Right Levee
Elevation (ft)
980
960
940
920
199
200
201
202
203
Main Channel Distance (mi)


Tres Rios Phase 3 HECRAS Model_100907 Plan: 1) Preproj 9/13/2010 2) TRWithprj 9/13/2010 3) Preproj_Design 9/13/2010 4) Withprj_Design 9/13/2010
Gila Lower Gila
Salt Salt
Legend
WS 50_year - Preproj
WS 50_year - TRWithprj
WS 50_year - Preproj_Design
WS 50_year - Withprj_Design
Ground
Left Levee
Right Levee
Elevation (ft)
980
960
940
920
199
200
201
202
203
Main Channel Distance (mi)


Tres Rios Phase 3 HECRAS Model_100907 Plan: 1) Preproj 9/13/2010 2) TRWithprj 9/13/2010 3) Preproj_Design 9/13/2010 4) Withprj_Design 9/13/2010
Gila Lower Gila
Salt Salt
Legend
WS 100_year - Preproj
WS 100_year - TRWithprj
WS 100_year - Preproj_Design
WS 100_year - Withprj_Design
Ground
Left Levee
Right Levee
Elevation (ft)
980
960
940
920
199
200
201
202
203
Main Channel Distance (mi)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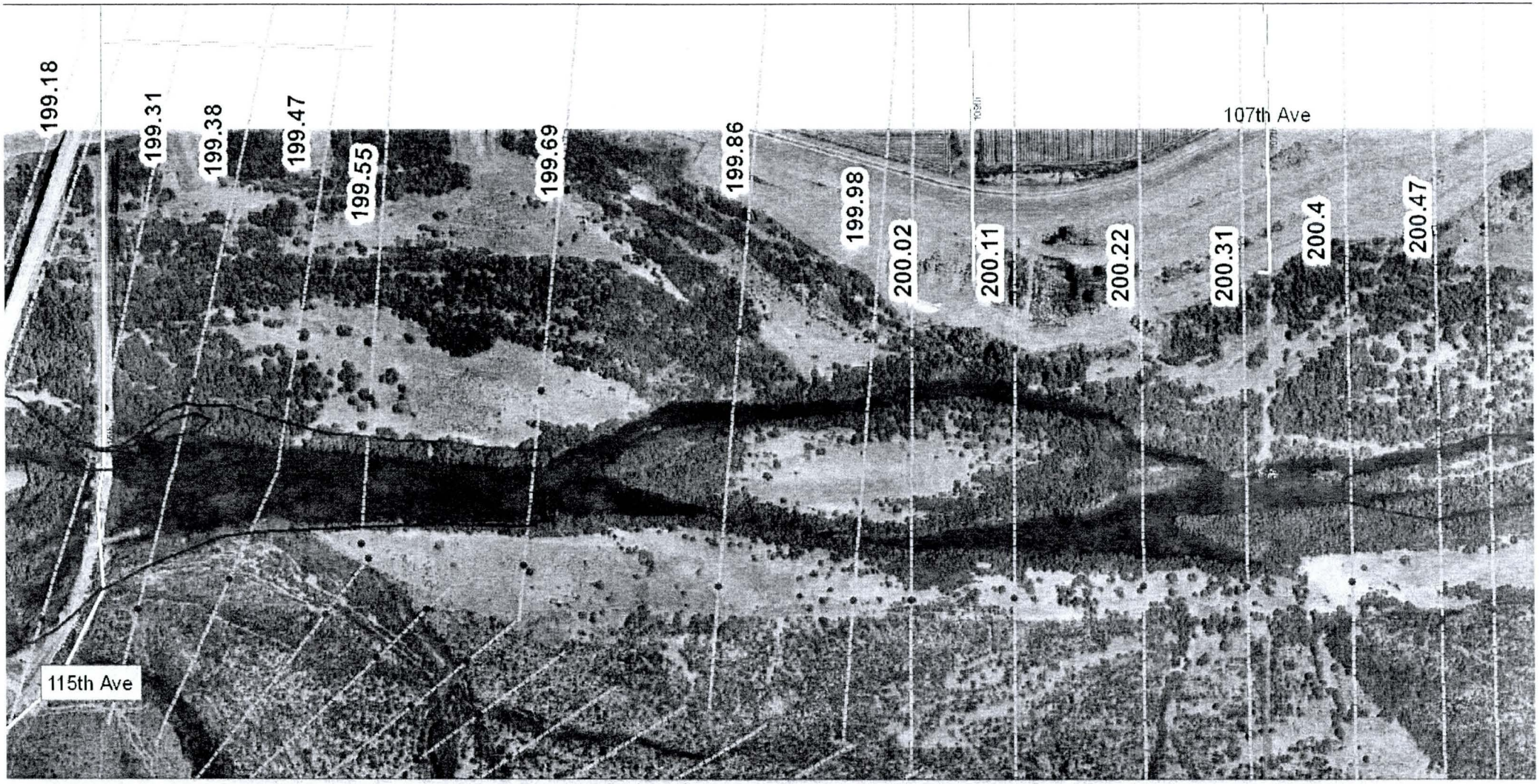
Gila Lower Gila
Salt Salt
Legend
WS Typ Peak_year - Preproj
WS Typ Peak_year - TRWithprj
WS Typ Peak_year - Preproj_Design
WS Typ Peak_year - Withprj_Design
Ground
Left Levee
Right Levee
Elevation (ft)
980
960
940
920
199
200
201
202
203
Main Channel Distance (mi)

Tres Rios Phase 3A High Flow Conditions

Velocity Contours (90% DDR Grading Plan)

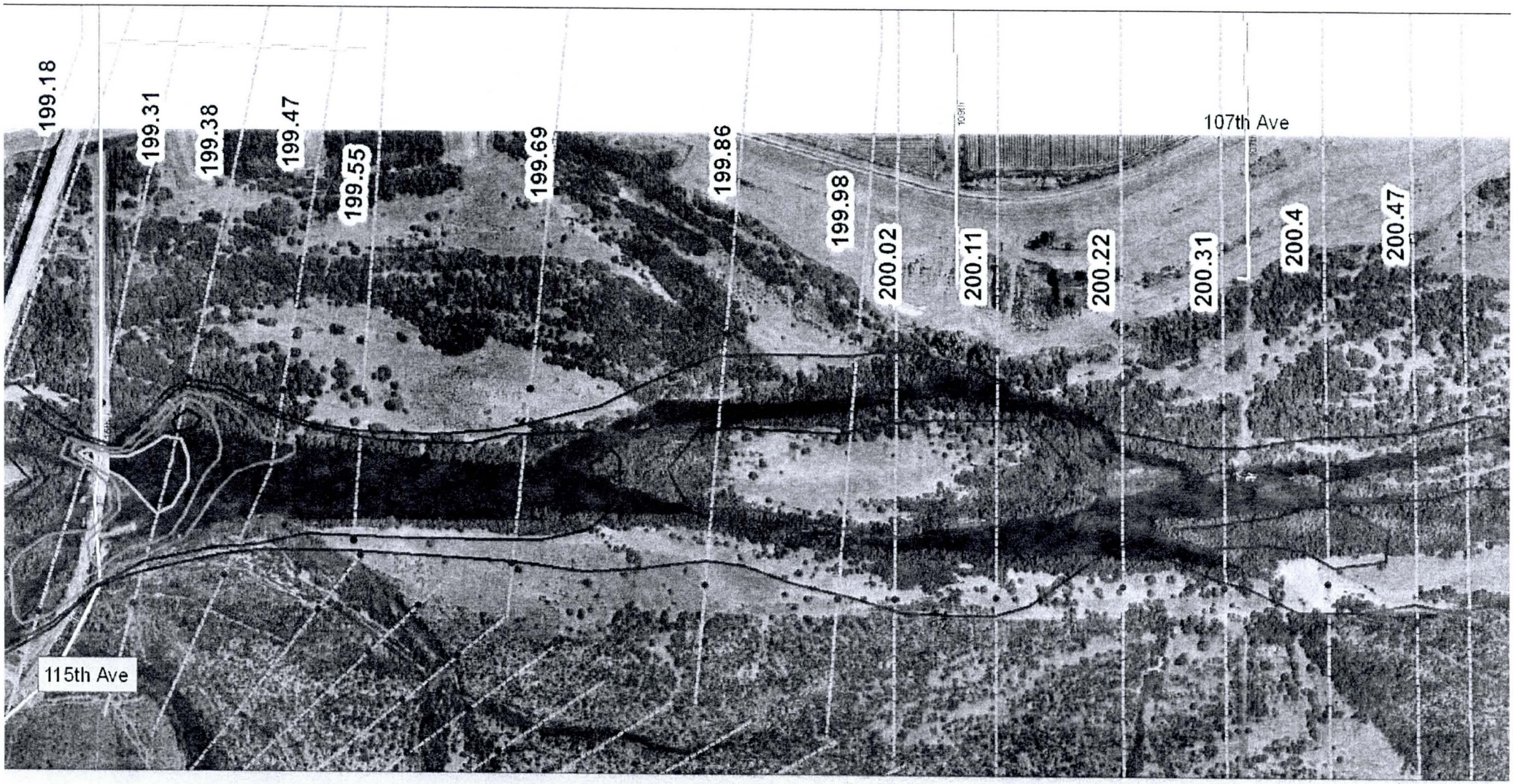


TresRios Phase 3A Velocity Contours
Normal Annual Peak (4400)

N

0 550 1,100 2,200 Feet

velocity • BankPoints
—2
—4
—6
—8
10
—12

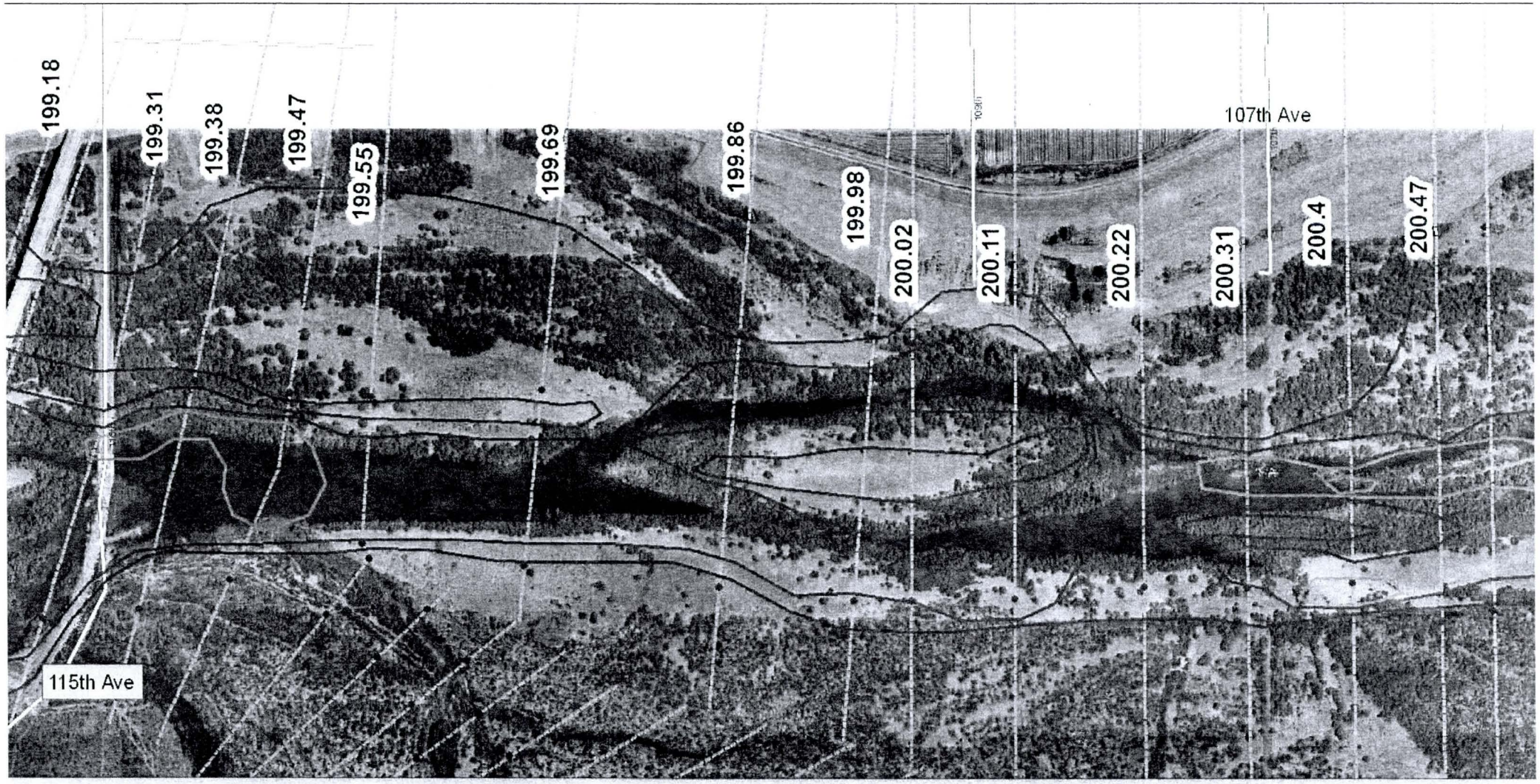


TresRios Phase 3A Velocity Contours
5-Year (19500)

N

0 550 1,100 2,200 Feet

velocity • BankPoints
—2
—4
—6
—8
—10
—12



TresRios Phase 3A Velocity Contours
10-Year (49000)

N

0 550 1,100 2,200 Feet

velocity • BankPoints
—2
—4
—6
—8
10
—12

Tres Rios Phase 3A High Flow Conditions

Old 115th Avenue Hydraulics

HEC-RAS Plan: Overtop River: Tres Rios Reach: Old 115th

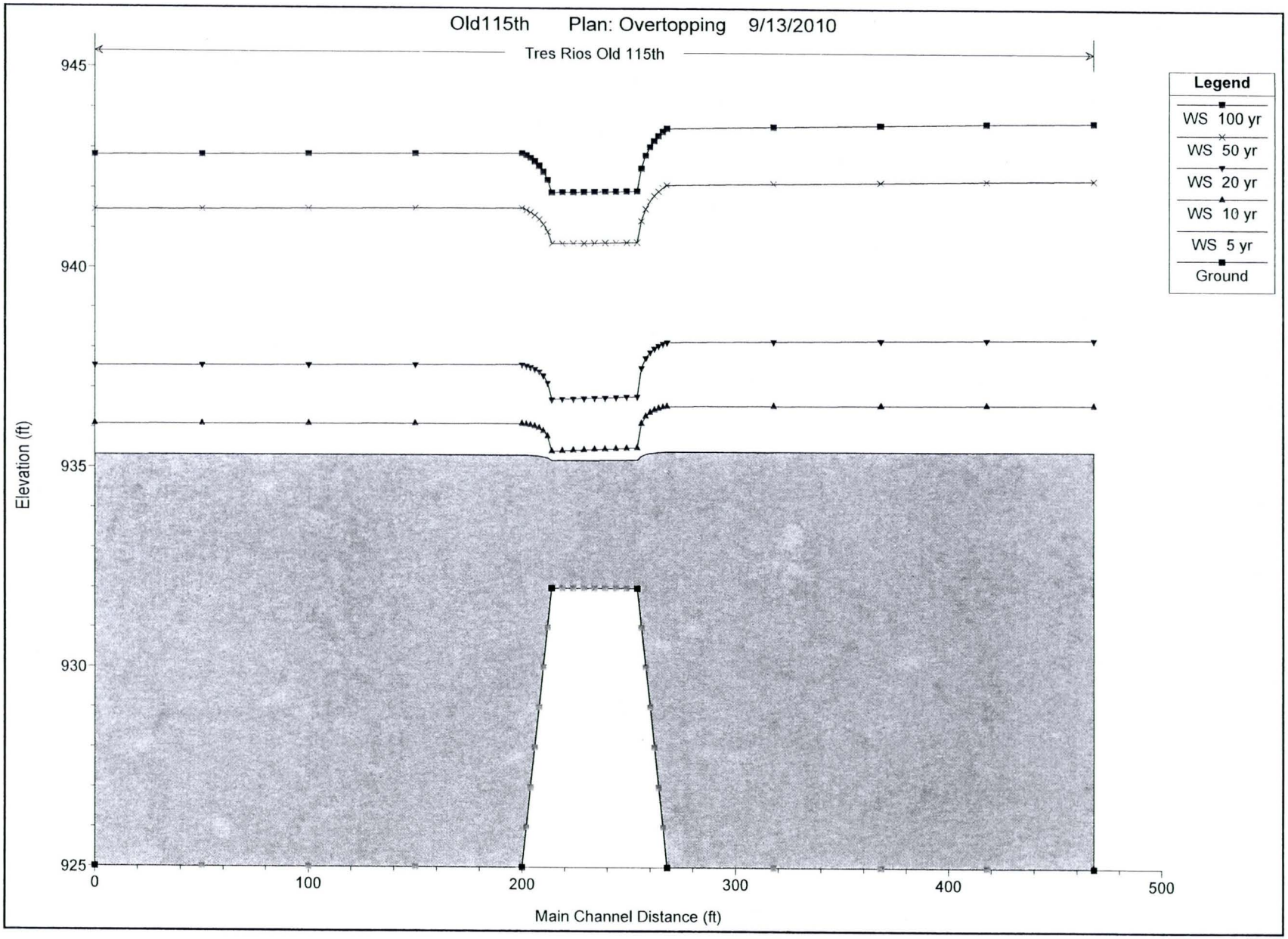
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Shear Chan
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)		(lb/sq ft)
Old 115th	1468	5 yr	23500.00	925.00	935.42	926.62	935.44	0.000023	1.12	20987.14	2029.76	0.06	0.01
Old 115th	1468	10 yr	57500.00	925.00	936.59	927.94	936.69	0.000095	2.47	23378.28	2033.12	0.13	0.07
Old 115th	1468	20 yr	92000.00	925.00	938.23	929.02	938.42	0.000156	3.46	26716.23	2037.81	0.17	0.13
Old 115th	1468	50 yr	185000.00	925.00	942.24	931.42	942.68	0.000260	5.33	34913.58	2049.27	0.23	0.28
Old 115th	1468	100 yr	227000.00	925.00	943.68	932.34	944.24	0.000299	6.03	37864.24	2053.38	0.25	0.35
Old 115th	1418.*	5 yr	23500.00	925.00	935.41		935.43	0.000063	1.12	20983.55	2029.76	0.06	0.04
Old 115th	1418.*	10 yr	57500.00	925.00	936.59		936.68	0.000264	2.47	23362.77	2033.10	0.13	0.19
Old 115th	1418.*	20 yr	92000.00	925.00	938.22		938.41	0.000434	3.46	26690.11	2037.77	0.17	0.36
Old 115th	1418.*	50 yr	185000.00	925.00	942.22		942.66	0.000724	5.33	34868.93	2049.21	0.23	0.78
Old 115th	1418.*	100 yr	227000.00	925.00	943.66		944.22	0.000834	6.04	37811.98	2053.31	0.25	0.97
Old 115th	1368.*	5 yr	23500.00	925.00	935.41		935.43	0.000063	1.12	20977.11	2029.75	0.06	0.04
Old 115th	1368.*	10 yr	57500.00	925.00	936.57		936.67	0.000265	2.47	23335.47	2033.06	0.13	0.19
Old 115th	1368.*	20 yr	92000.00	925.00	938.20		938.38	0.000436	3.47	26644.34	2037.71	0.17	0.36
Old 115th	1368.*	50 yr	185000.00	925.00	942.18		942.63	0.000730	5.35	34790.13	2049.10	0.23	0.78
Old 115th	1368.*	100 yr	227000.00	925.00	943.61		944.18	0.000841	6.05	37720.12	2053.18	0.25	0.98
Old 115th	1318.*	5 yr	23500.00	925.00	935.41		935.43	0.000063	1.12	20970.67	2029.74	0.06	0.04
Old 115th	1318.*	10 yr	57500.00	925.00	936.56		936.65	0.000266	2.48	23308.05	2033.02	0.13	0.19
Old 115th	1318.*	20 yr	92000.00	925.00	938.18		938.36	0.000439	3.47	26598.32	2037.64	0.17	0.36
Old 115th	1318.*	50 yr	185000.00	925.00	942.15		942.59	0.000735	5.36	34710.72	2048.99	0.23	0.79
Old 115th	1318.*	100 yr	227000.00	925.00	943.57		944.14	0.000848	6.07	37627.51	2053.05	0.25	0.98
Old 115th	1268	5 yr	23500.00	925.00	935.40		935.42	0.000063	1.12	20964.23	2029.73	0.06	0.04
Old 115th	1268	10 yr	57500.00	925.00	936.55		936.64	0.000267	2.48	23280.87	2032.99	0.13	0.19
Old 115th	1268	20 yr	92000.00	925.00	938.15		938.34	0.000442	3.48	26552.30	2037.58	0.17	0.36
Old 115th	1268	50 yr	185000.00	925.00	942.11		942.55	0.000741	5.37	34631.56	2048.88	0.23	0.79
Old 115th	1268	100 yr	227000.00	925.00	943.52		944.09	0.000855	6.08	37533.66	2052.92	0.25	0.99
Old 115th	1266.*	5 yr	23500.00	926.00	935.40		935.42	0.000008	1.25	18929.74	2027.65	0.07	0.00
Old 115th	1266.*	10 yr	57500.00	926.00	936.52		936.64	0.000033	2.72	21210.23	2030.95	0.15	0.02
Old 115th	1266.*	20 yr	92000.00	926.00	938.12		938.34	0.000052	3.78	24446.69	2035.63	0.19	0.04
Old 115th	1266.*	50 yr	185000.00	926.00	942.04		942.55	0.000083	5.73	32455.44	2047.17	0.25	0.08
Old 115th	1266.*	100 yr	227000.00	926.00	943.44		944.09	0.000094	6.46	35328.54	2051.30	0.27	0.10
Old 115th	1264.*	5 yr	23500.00	927.00	935.39		935.42	0.000012	1.40	16892.99	2025.43	0.08	0.01
Old 115th	1264.*	10 yr	57500.00	927.00	936.49		936.64	0.000046	3.02	19125.97	2028.77	0.17	0.03
Old 115th	1264.*	20 yr	92000.00	927.00	938.07		938.33	0.000071	4.14	22319.24	2033.54	0.22	0.05
Old 115th	1264.*	50 yr	185000.00	927.00	941.95		942.54	0.000105	6.15	30247.03	2045.32	0.28	0.10
Old 115th	1264.*	100 yr	227000.00	927.00	943.34		944.08	0.000117	6.90	33087.10	2049.52	0.30	0.12
Old 115th	1262.*	5 yr	23500.00	928.00	935.38		935.42	0.000018	1.59	14851.90	2023.07	0.10	0.01
Old 115th	1262.*	10 yr	57500.00	928.00	936.45		936.63	0.000068	3.39	17019.51	2026.42	0.21	0.04
Old 115th	1262.*	20 yr	92000.00	928.00	938.00		938.33	0.000099	4.58	20158.23	2031.25	0.26	0.06
Old 115th	1262.*	50 yr	185000.00	928.00	941.85		942.53	0.000135	6.64	27992.44	2043.27	0.31	0.12
Old 115th	1262.*	100 yr	227000.00	928.00	943.22		944.07	0.000148	7.41	30794.52	2047.55	0.33	0.14
Old 115th	1260.*	5 yr	23500.00	929.00	935.37		935.42	0.000029	1.84	12802.48	2020.54	0.13	0.01
Old 115th	1260.*	10 yr	57500.00	929.00	936.39		936.63	0.000106	3.88	14874.91	2023.85	0.25	0.05
Old 115th	1260.*	20 yr	92000.00	929.00	937.91		938.32	0.000146	5.14	17942.42	2028.73	0.30	0.08
Old 115th	1260.*	50 yr	185000.00	929.00	941.70		942.52	0.000180	7.24	25669.39	2040.98	0.36	0.14
Old 115th	1260.*	100 yr	227000.00	929.00	943.05		944.05	0.000193	8.02	28427.48	2045.34	0.38	0.17
Old 115th	1258.*	5 yr	23500.00	930.00	935.34		935.42	0.000052	2.19	10735.83	2017.81	0.17	0.02
Old 115th	1258.*	10 yr	57500.00	930.00	936.30		936.62	0.000182	4.55	12657.49	2020.99	0.32	0.07
Old 115th	1258.*	20 yr	92000.00	930.00	937.76		938.30	0.000231	5.90	15627.92	2025.88	0.37	0.11
Old 115th	1258.*	50 yr	185000.00	930.00	941.51		942.50	0.000251	7.99	23236.84	2038.36	0.42	0.18
Old 115th	1258.*	100 yr	227000.00	930.00	942.83		944.03	0.000262	8.79	25944.11	2042.78	0.43	0.21
Old 115th	1256.*	5 yr	23500.00	931.00	935.30		935.41	0.000108	2.73	8630.13	2014.83	0.23	0.03
Old 115th	1256.*	10 yr	57500.00	931.00	936.11		936.60	0.000364	5.61	10268.81	2017.63	0.44	0.12
Old 115th	1256.*	20 yr	92000.00	931.00	937.51		938.28	0.000416	7.04	13096.42	2022.45	0.49	0.17
Old 115th	1256.*	50 yr	185000.00	931.00	941.21		942.47	0.000374	9.01	20604.12	2035.21	0.50	0.24
Old 115th	1256.*	100 yr	227000.00	931.00	942.51		944.00	0.000377	9.80	23254.66	2039.70	0.51	0.27
Old 115th	1254	5 yr	23500.00	932.00	935.20		935.40	0.000292	3.67	6409.72	2011.41	0.36	0.06
Old 115th	1254	10 yr	57500.00	932.00	935.50		936.54	0.001288	8.20	7023.96	2012.50	0.77	0.28
Old 115th	1254	20 yr	92000.00	932.00	936.79		938.21	0.001157	9.58	9625.24	2017.12	0.77	0.35
Old 115th	1254	50 yr	185000.00	932.00	940.67		942.42	0.000645	10.62	17476.80	2030.97	0.64	0.35
Old 115th	1254	100 yr	227000.00	932.00	941.96		943.95	0.000612	11.34	20086.88	2035.55	0.63	0.38
Old 115th	1249.*	5 yr	23500.00	932.00	935.19		935.40	0.000292	3.67	6406.40	2011.41	0.36	0.06
Old 115th	1249.*	10 yr	57500.00	932.00	935.49		936.54	0.001301	8.22	7002.22	2012.47	0.78	0.28
Old 115th	1249.*	20 yr	92000.00	932.00	936.78		938.21	0.001164	9.59	9605.78	2017.08	0.77	0.35
Old 115th	1249.*	50 yr	185000.00	932.00	940.67		942.41	0.000646	10.63	17467.25	2030.95	0.64	0.35
Old 115th	1249.*	100 yr	227000.00	932.00	941.95		943.94	0.000613	11.35	20077.93	2035.54	0.63	0.38
Old 115th	1244.*	5 yr	23500.00	932.00	935.19		935.40	0.000293	3.67	6403.09	2011.40	0.36	0.06
Old 115th	1244.*	10 yr	57500.00	932.00	935.48		936.53	0.001315	8.25	6980.24	2012.43	0.78	0.29
Old 115th	1244.*	20 yr	92000.00	932.00	936.77		938.21	0.001172	9.61	9586.21	2017.05	0.78	0.35
Old 115th	1244.*	50 yr	185000.00	932.00	940.66		942.41	0.000648	10.63	17457.71	2030.94	0.64	0.35
Old 115th	1244.*	100 yr	227000.00	932.00	941.95		943.94	0.000614	11.35	20068.99	2035.52	0.63	0.38

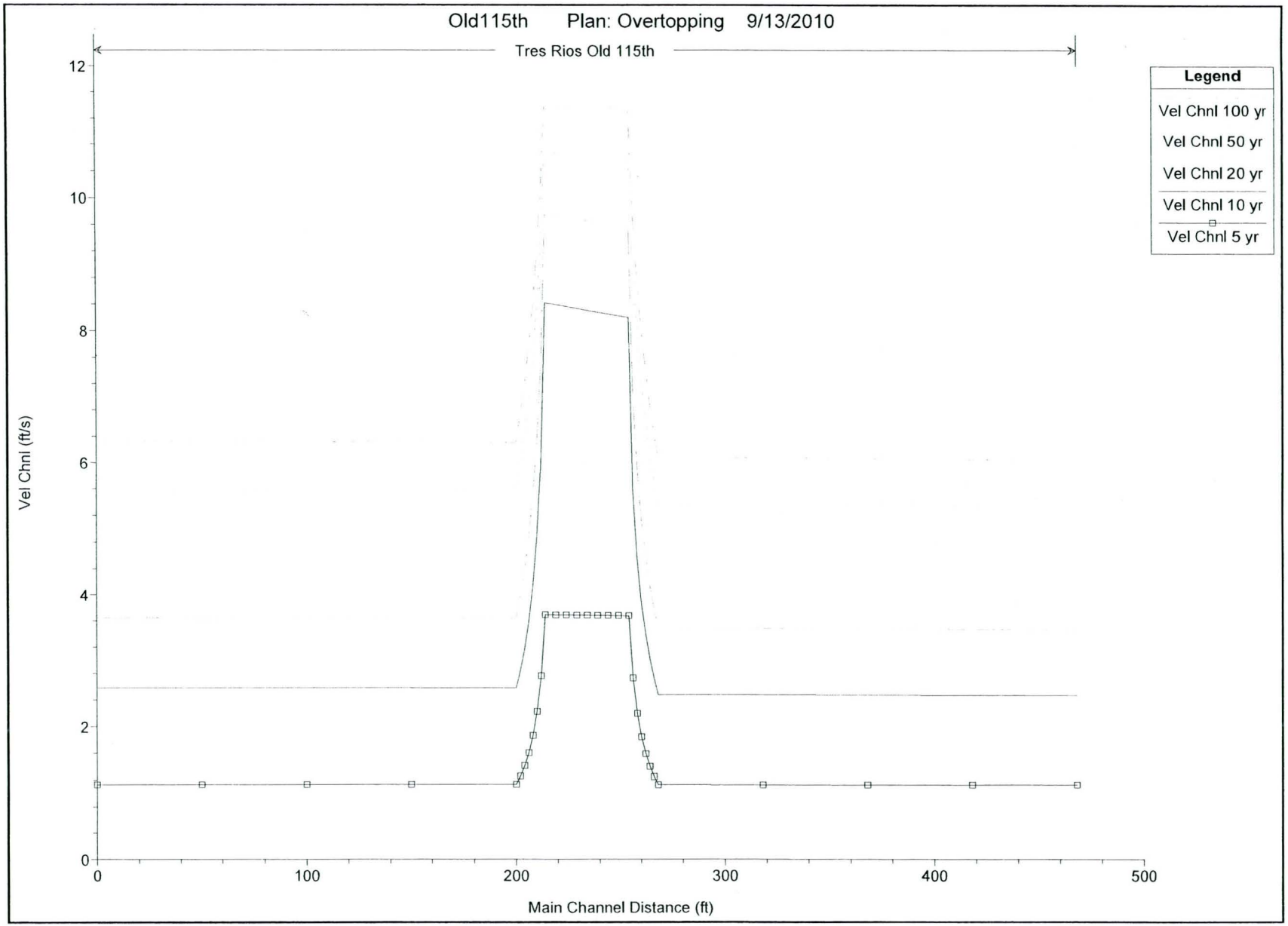
HEC-RAS Plan: Overtop River: Tres Rios Reach: Old 115th (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Shear Chan
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)		(lb/sq ft)
Old 115th	1239.*	5 yr	23500.00	932.00	935.19		935.40	0.000293	3.68	6399.77	2011.40	0.36	0.06
Old 115th	1239.*	10 yr	57500.00	932.00	935.47		936.53	0.001329	8.27	6957.88	2012.39	0.78	0.29
Old 115th	1239.*	20 yr	92000.00	932.00	936.76		938.20	0.001180	9.63	9566.39	2017.01	0.78	0.35
Old 115th	1239.*	50 yr	185000.00	932.00	940.66		942.41	0.000649	10.64	17448.17	2030.92	0.64	0.35
Old 115th	1239.*	100 yr	227000.00	932.00	941.94		943.94	0.000615	11.36	20059.92	2035.51	0.63	0.38
Old 115th	1234.*	5 yr	23500.00	932.00	935.19		935.40	0.000294	3.68	6396.34	2011.39	0.36	0.06
Old 115th	1234.*	10 yr	57500.00	932.00	935.46		936.53	0.001344	8.30	6935.16	2012.35	0.79	0.29
Old 115th	1234.*	20 yr	92000.00	932.00	936.75		938.20	0.001189	9.65	9546.32	2016.98	0.78	0.35
Old 115th	1234.*	50 yr	185000.00	932.00	940.65		942.41	0.000650	10.64	17438.62	2030.90	0.64	0.35
Old 115th	1234.*	100 yr	227000.00	932.00	941.94		943.94	0.000616	11.36	20050.85	2035.49	0.64	0.38
Old 115th	1229.*	5 yr	23500.00	932.00	935.19		935.40	0.000294	3.68	6392.90	2011.38	0.36	0.06
Old 115th	1229.*	10 yr	57500.00	932.00	935.45		936.52	0.001359	8.33	6912.07	2012.31	0.79	0.29
Old 115th	1229.*	20 yr	92000.00	932.00	936.74		938.19	0.001197	9.67	9526.13	2016.94	0.78	0.35
Old 115th	1229.*	50 yr	185000.00	932.00	940.65		942.40	0.000651	10.65	17429.07	2030.89	0.64	0.35
Old 115th	1229.*	100 yr	227000.00	932.00	941.93		943.93	0.000617	11.37	20041.78	2035.47	0.64	0.38
Old 115th	1224.*	5 yr	23500.00	932.00	935.19		935.40	0.000295	3.68	6389.46	2011.38	0.36	0.06
Old 115th	1224.*	10 yr	57500.00	932.00	935.43		936.52	0.001374	8.36	6888.61	2012.26	0.79	0.29
Old 115th	1224.*	20 yr	92000.00	932.00	936.73		938.19	0.001206	9.70	9505.70	2016.90	0.79	0.36
Old 115th	1224.*	50 yr	185000.00	932.00	940.64		942.40	0.000652	10.65	17419.53	2030.87	0.64	0.35
Old 115th	1224.*	100 yr	227000.00	932.00	941.93		943.93	0.000618	11.37	20032.71	2035.46	0.64	0.38
Old 115th	1219.*	5 yr	23500.00	932.00	935.18		935.39	0.000295	3.68	6386.02	2011.37	0.36	0.06
Old 115th	1219.*	10 yr	57500.00	932.00	935.42		936.51	0.001390	8.39	6864.91	2012.22	0.80	0.30
Old 115th	1219.*	20 yr	92000.00	932.00	936.72		938.19	0.001214	9.72	9485.02	2016.87	0.79	0.36
Old 115th	1219.*	50 yr	185000.00	932.00	940.64		942.40	0.000653	10.66	17409.86	2030.85	0.64	0.35
Old 115th	1219.*	100 yr	227000.00	932.00	941.92		943.93	0.000619	11.38	20023.64	2035.44	0.64	0.38
Old 115th	1214	5 yr	23500.00	932.00	935.18		935.39	0.000296	3.69	6382.71	2011.37	0.36	0.06
Old 115th	1214	10 yr	57500.00	932.00	935.41		936.51	0.001404	8.41	6844.64	2012.19	0.80	0.30
Old 115th	1214	20 yr	92000.00	932.00	936.71		938.18	0.001222	9.74	9466.68	2016.83	0.79	0.36
Old 115th	1214	50 yr	185000.00	932.00	940.63		942.40	0.000655	10.67	17400.57	2030.84	0.64	0.35
Old 115th	1214	100 yr	227000.00	932.00	941.92		943.93	0.000620	11.38	20014.70	2035.43	0.64	0.38
Old 115th	1212.*	5 yr	23500.00	931.00	935.25		935.36	0.000145	2.76	8524.50	2014.64	0.24	0.04
Old 115th	1212.*	10 yr	57500.00	931.00	935.79		936.35	0.000582	5.99	9617.30	2016.51	0.48	0.17
Old 115th	1212.*	20 yr	92000.00	931.00	937.13		938.00	0.000653	7.48	12324.30	2021.14	0.53	0.25
Old 115th	1212.*	50 yr	185000.00	931.00	940.94		942.26	0.000526	9.26	20040.92	2034.26	0.52	0.33
Old 115th	1212.*	100 yr	227000.00	931.00	942.23		943.79	0.000526	10.05	22672.29	2038.72	0.53	0.37
Old 115th	1210.*	5 yr	23500.00	930.00	935.28		935.35	0.000088	2.22	10597.53	2017.59	0.17	0.03
Old 115th	1210.*	10 yr	57500.00	930.00	935.92		936.29	0.000357	4.84	11904.54	2019.74	0.35	0.13
Old 115th	1210.*	20 yr	92000.00	930.00	937.31		937.92	0.000453	6.27	14707.57	2024.36	0.41	0.21
Old 115th	1210.*	50 yr	185000.00	930.00	941.12		942.18	0.000451	8.27	22452.42	2037.08	0.44	0.31
Old 115th	1210.*	100 yr	227000.00	930.00	942.43		943.70	0.000468	9.08	25114.75	2041.43	0.45	0.36
Old 115th	1208.*	5 yr	23500.00	929.00	935.29		935.35	0.000060	1.86	12646.48	2020.29	0.13	0.02
Old 115th	1208.*	10 yr	57500.00	929.00	935.99		936.25	0.000251	4.10	14066.81	2022.56	0.27	0.11
Old 115th	1208.*	20 yr	92000.00	929.00	937.41		937.87	0.000346	5.45	16938.97	2027.14	0.33	0.18
Old 115th	1208.*	50 yr	185000.00	929.00	941.25		942.12	0.000399	7.51	24746.39	2039.52	0.38	0.30
Old 115th	1208.*	100 yr	227000.00	929.00	942.57		943.64	0.000426	8.31	27439.52	2043.78	0.40	0.36
Old 115th	1206.*	5 yr	23500.00	928.00	935.30		935.34	0.000047	1.60	14685.09	2022.82	0.10	0.02
Old 115th	1206.*	10 yr	57500.00	928.00	936.04		936.23	0.000206	3.56	16176.38	2025.12	0.22	0.10
Old 115th	1206.*	20 yr	92000.00	928.00	937.48		937.84	0.000304	4.83	19100.51	2029.63	0.28	0.18
Old 115th	1206.*	50 yr	185000.00	928.00	941.35		942.08	0.000391	6.89	26973.06	2041.71	0.33	0.33
Old 115th	1206.*	100 yr	227000.00	928.00	942.68		943.59	0.000428	7.68	29694.46	2045.87	0.35	0.39
Old 115th	1204.*	5 yr	23500.00	927.00	935.31		935.34	0.000036	1.41	16718.94	2025.17	0.09	0.02
Old 115th	1204.*	10 yr	57500.00	927.00	936.07		936.22	0.000162	3.16	18258.35	2027.48	0.18	0.09
Old 115th	1204.*	20 yr	92000.00	927.00	937.53		937.82	0.000251	4.35	21222.60	2031.90	0.24	0.17
Old 115th	1204.*	50 yr	185000.00	927.00	941.42		942.05	0.000355	6.38	29155.64	2043.70	0.30	0.32
Old 115th	1204.*	100 yr	227000.00	927.00	942.76		943.55	0.000396	7.15	31902.47	2047.77	0.32	0.39
Old 115th	1202.*	5 yr	23500.00	926.00	935.31		935.34	0.000029	1.26	18750.55	2027.39	0.07	0.02
Old 115th	1202.*	10 yr	57500.00	926.00	936.09		936.21	0.000131	2.84	20324.45	2029.67	0.16	0.08
Old 115th	1202.*	20 yr	92000.00	926.00	937.56		937.80	0.000213	3.96	23320.61	2034.01	0.21	0.15
Old 115th	1202.*	50 yr	185000.00	926.00	941.48		942.02	0.000325	5.94	31307.86	2045.52	0.27	0.31
Old 115th	1202.*	100 yr	227000.00	926.00	942.83		943.52	0.000369	6.70	34077.20	2049.50	0.29	0.39
Old 115th	1200	5 yr	23500.00	925.00	935.31		935.33	0.000023	1.13	20781.26	2029.47	0.06	0.02
Old 115th	1200	10 yr	57500.00	925.00	936.10		936.21	0.000109	2.58	22380.93	2031.72	0.14	0.08
Old 115th	1200	20 yr	92000.00	925.00	937.59		937.79	0.000184	3.64	25402.89	2035.97	0.18	0.14
Old 115th	1200	50 yr	185000.00	925.00	941.52		942.00	0.000300	5.56	33438.16	2047.21	0.24	0.31
Old 115th	1200	100 yr	227000.00	925.00	942.89		943.50	0.000346	6.30	36227.61	2051.10	0.26	0.39
Old 115th	1150.*	5 yr	23500.00	925.00	935.31		935.33	0.000023	1.13	20778.91	2029.47	0.06	0.02
Old 115th	1150.*	10 yr	57500.00	925.00	936.10		936.20	0.000110	2.58	22369.52	2031.71	0.14	0.08
Old 115th	1150.*	20 yr	92000.00	925.00	937.58		937.78	0.000185	3.64	25383.51	2035.94	0.18	0.14
Old 115th	1150.*	50 yr	185000.00	925.00	941.51		941.99	0.000301	5.57	33405.42	2047.17	0.24	0.31

HEC-RAS Plan: Overtop River: Tres Rios Reach: Old 115th (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Shear Chan
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)		(lb/sq ft)
Old 115th	1150.*	100 yr	227000.00	925.00	942.87		943.48	0.000347	6.31	36189.30	2051.05	0.26	0.39
Old 115th	1100.*	5 yr	23500.00	925.00	935.31		935.33	0.000023	1.13	20776.55	2029.46	0.06	0.02
Old 115th	1100.*	10 yr	57500.00	925.00	936.09		936.19	0.000110	2.58	22358.11	2031.69	0.14	0.08
Old 115th	1100.*	20 yr	92000.00	925.00	937.57		937.77	0.000185	3.64	25364.00	2035.91	0.18	0.15
Old 115th	1100.*	50 yr	185000.00	925.00	941.49		941.97	0.000302	5.57	33372.56	2047.12	0.24	0.31
Old 115th	1100.*	100 yr	227000.00	925.00	942.85		943.46	0.000348	6.31	36150.87	2050.99	0.26	0.39
Old 115th	1050.*	5 yr	23500.00	925.00	935.31		935.33	0.000023	1.13	20774.20	2029.46	0.06	0.02
Old 115th	1050.*	10 yr	57500.00	925.00	936.09		936.19	0.000110	2.58	22346.70	2031.67	0.14	0.08
Old 115th	1050.*	20 yr	92000.00	925.00	937.56		937.77	0.000185	3.64	25344.49	2035.88	0.18	0.15
Old 115th	1050.*	50 yr	185000.00	925.00	941.48		941.96	0.000303	5.58	33339.70	2047.07	0.24	0.31
Old 115th	1050.*	100 yr	227000.00	925.00	942.83		943.45	0.000350	6.32	36112.31	2050.94	0.26	0.39
Old 115th	1000	5 yr	23500.00	925.00	935.31	926.62	935.33	0.000023	1.14	20771.85	2029.46	0.06	0.02
Old 115th	1000	10 yr	57500.00	925.00	936.08	927.94	936.18	0.000110	2.58	22335.42	2031.66	0.14	0.08
Old 115th	1000	20 yr	92000.00	925.00	937.55	929.02	937.76	0.000186	3.65	25324.98	2035.86	0.18	0.15
Old 115th	1000	50 yr	185000.00	925.00	941.46	931.42	941.94	0.000303	5.58	33307.09	2047.03	0.24	0.31
Old 115th	1000	100 yr	227000.00	925.00	942.81	932.34	943.43	0.000351	6.33	36073.13	2050.89	0.26	0.39


Old115th Plan: Overtopping 9/13/2010
Tres Rios Old 115th
Legend
WS 100 yr
WS 50 yr
WS 20 yr
WS 10 yr
WS 5 yr
Ground
Elevation (ft)
945
940
935
930
925
0
100
200
300
400
500
Main Channel Distance (ft)

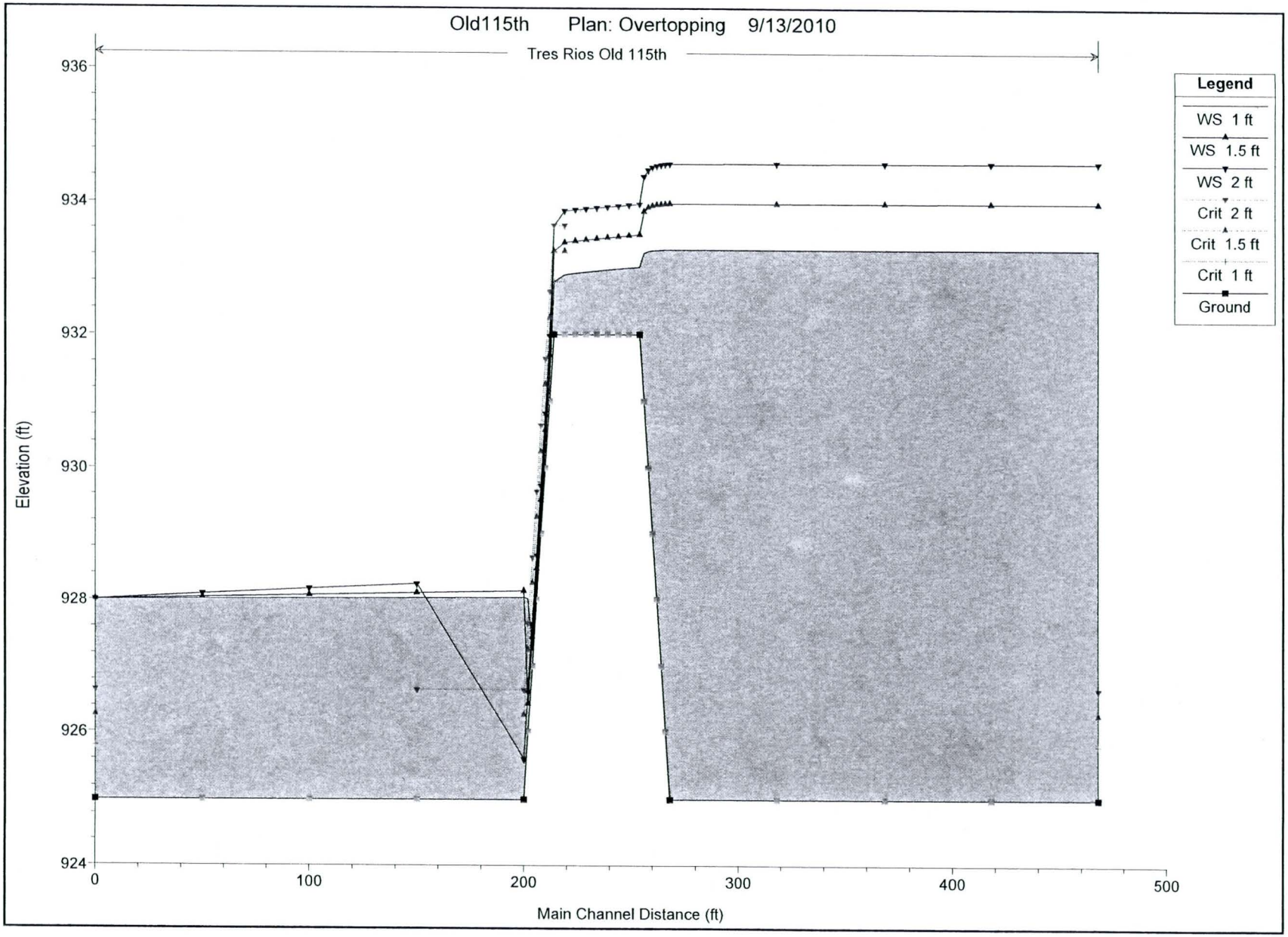

Old115th Plan: Overtopping 9/13/2010
Tres Rios Old 115th
Legend
Vel Chnl 100 yr
Vel Chnl 50 yr
Vel Chnl 20 yr
Vel Chnl 10 yr
Vel Chnl 5 yr
Vel Chnl (ft/s)
0
2
4
6
8
10
12
0
100
200
300
400
500
Main Channel Distance (ft)

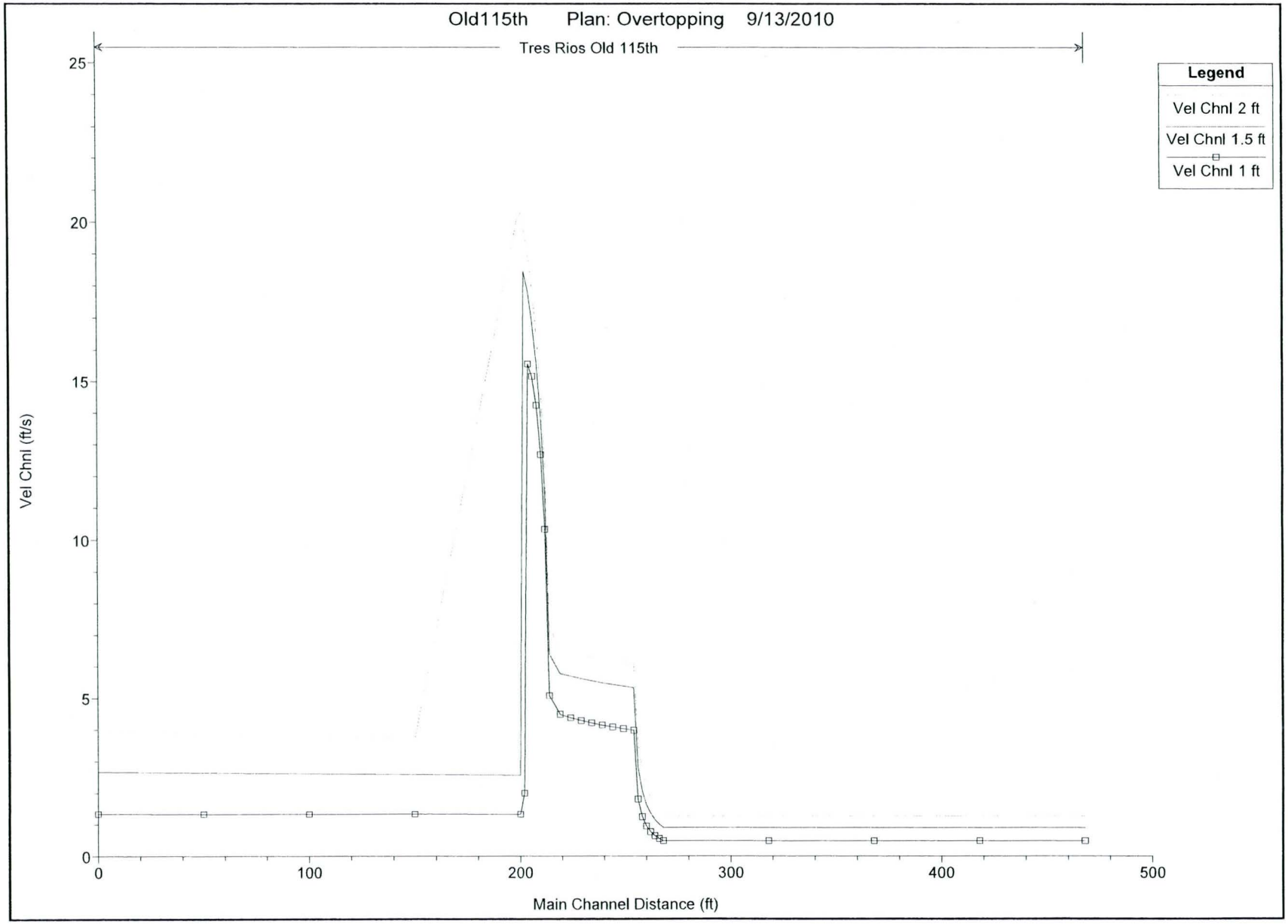
HEC-RAS Plan: Overtop River: Tres Rios Reach: Old 115th

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Shear Chan
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)		(lb/sq ft)
Old 115th	1468	1 ft	8000.00	925.00	933.28	925.79	933.28	0.000006	0.48	16649.97	2023.65	0.03	0.00
Old 115th	1468	1.5 ft	16000.00	925.00	933.98	926.25	933.99	0.000017	0.89	18080.23	2025.66	0.05	0.01
Old 115th	1468	2 ft	24000.00	925.00	934.59	926.64	934.62	0.000031	1.25	19315.64	2027.41	0.07	0.02
Old 115th	1418.*	1 ft	8000.00	925.00	933.28		933.28	0.000016	0.48	16649.11	2023.65	0.03	0.01
Old 115th	1418.*	1.5 ft	16000.00	925.00	933.98		933.99	0.000048	0.89	18077.51	2025.66	0.05	0.03
Old 115th	1418.*	2 ft	24000.00	925.00	934.59		934.61	0.000086	1.25	19310.69	2027.40	0.07	0.05
Old 115th	1368.*	1 ft	8000.00	925.00	933.27		933.28	0.000016	0.48	16647.50	2023.64	0.03	0.01
Old 115th	1368.*	1.5 ft	16000.00	925.00	933.98		933.99	0.000048	0.89	18072.69	2025.65	0.05	0.03
Old 115th	1368.*	2 ft	24000.00	925.00	934.59		934.61	0.000086	1.25	19301.91	2027.39	0.07	0.05
Old 115th	1318.*	1 ft	8000.00	925.00	933.27		933.28	0.000016	0.48	16645.90	2023.64	0.03	0.01
Old 115th	1318.*	1.5 ft	16000.00	925.00	933.98		933.99	0.000048	0.89	18067.87	2025.65	0.05	0.03
Old 115th	1318.*	2 ft	24000.00	925.00	934.58		934.61	0.000087	1.25	19293.13	2027.37	0.07	0.05
Old 115th	1268	1 ft	8000.00	925.00	933.27		933.28	0.000016	0.48	16644.29	2023.64	0.03	0.01
Old 115th	1268	1.5 ft	16000.00	925.00	933.97		933.99	0.000048	0.89	18063.04	2025.64	0.05	0.03
Old 115th	1268	2 ft	24000.00	925.00	934.58		934.60	0.000087	1.25	19284.34	2027.36	0.07	0.05
Old 115th	1266.*	1 ft	8000.00	926.00	933.27		933.28	0.000002	0.55	14621.96	2021.39	0.04	0.00
Old 115th	1266.*	1.5 ft	16000.00	926.00	933.97		933.99	0.000006	1.00	16034.09	2023.44	0.06	0.00
Old 115th	1266.*	2 ft	24000.00	926.00	934.57		934.60	0.000011	1.40	17248.02	2025.21	0.08	0.01
Old 115th	1264.*	1 ft	8000.00	927.00	933.27		933.28	0.000004	0.64	12600.22	2019.00	0.04	0.00
Old 115th	1264.*	1.5 ft	16000.00	927.00	933.97		933.99	0.000010	1.15	14003.56	2021.11	0.08	0.00
Old 115th	1264.*	2 ft	24000.00	927.00	934.56		934.60	0.000017	1.58	15207.58	2022.91	0.10	0.01
Old 115th	1262.*	1 ft	8000.00	928.00	933.27		933.28	0.000006	0.76	10578.27	2016.46	0.06	0.00
Old 115th	1262.*	1.5 ft	16000.00	928.00	933.96		933.98	0.000017	1.34	11969.02	2018.62	0.10	0.01
Old 115th	1262.*	2 ft	24000.00	928.00	934.55		934.60	0.000028	1.83	13159.24	2020.46	0.13	0.01
Old 115th	1260.*	1 ft	8000.00	929.00	933.26		933.28	0.000013	0.94	8553.84	2013.75	0.08	0.00
Old 115th	1260.*	1.5 ft	16000.00	929.00	933.94		933.98	0.000032	1.61	9925.15	2015.95	0.13	0.01
Old 115th	1260.*	2 ft	24000.00	929.00	934.52		934.60	0.000049	2.17	11095.10	2017.82	0.16	0.02
Old 115th	1258.*	1 ft	8000.00	930.00	933.25		933.27	0.000032	1.23	6520.55	2010.84	0.12	0.01
Old 115th	1258.*	1.5 ft	16000.00	930.00	933.92		933.98	0.000069	2.04	7858.20	2013.05	0.18	0.02
Old 115th	1258.*	2 ft	24000.00	930.00	934.48		934.59	0.000098	2.67	8995.75	2014.94	0.22	0.03
Old 115th	1256.*	1 ft	8000.00	931.00	933.22		933.27	0.000114	1.80	4452.36	2007.66	0.21	0.02
Old 115th	1256.*	1.5 ft	16000.00	931.00	933.85		933.97	0.000197	2.80	5720.58	2009.84	0.29	0.04
Old 115th	1256.*	2 ft	24000.00	931.00	934.39		934.58	0.000250	3.53	6798.86	2011.69	0.34	0.05
Old 115th	1254	1 ft	8000.00	932.00	933.01		933.25	0.001587	3.97	2017.44	2003.60	0.70	0.10
Old 115th	1254	1.5 ft	16000.00	932.00	933.50		933.94	0.001675	5.32	3009.77	2005.37	0.76	0.16
Old 115th	1254	2 ft	24000.00	932.00	933.97		934.54	0.001536	6.09	3940.87	2007.03	0.77	0.19
Old 115th	1249.*	1 ft	8000.00	932.00	933.00		933.25	0.001656	4.02	1991.76	2003.55	0.71	0.10
Old 115th	1249.*	1.5 ft	16000.00	932.00	933.49		933.94	0.001729	5.37	2981.01	2005.32	0.78	0.16
Old 115th	1249.*	2 ft	24000.00	932.00	933.95		934.54	0.001570	6.14	3914.78	2006.98	0.77	0.19
Old 115th	1244.*	1 ft	8000.00	932.00	932.98		933.24	0.001734	4.07	1964.49	2003.51	0.72	0.11
Old 115th	1244.*	1.5 ft	16000.00	932.00	933.47		933.93	0.001789	5.43	2950.90	2005.26	0.79	0.16
Old 115th	1244.*	2 ft	24000.00	932.00	933.94		934.53	0.001607	6.18	3887.83	2006.93	0.78	0.19
Old 115th	1239.*	1 ft	8000.00	932.00	932.97		933.23	0.001823	4.14	1935.39	2003.45	0.74	0.11
Old 115th	1239.*	1.5 ft	16000.00	932.00	933.46		933.92	0.001854	5.48	2919.20	2005.21	0.80	0.17
Old 115th	1239.*	2 ft	24000.00	932.00	933.93		934.53	0.001646	6.22	3860.02	2006.88	0.79	0.20
Old 115th	1234.*	1 ft	8000.00	932.00	932.95		933.23	0.001924	4.20	1904.08	2003.40	0.76	0.11
Old 115th	1234.*	1.5 ft	16000.00	932.00	933.44		933.92	0.001926	5.55	2885.91	2005.15	0.81	0.17
Old 115th	1234.*	2 ft	24000.00	932.00	933.91		934.52	0.001687	6.27	3831.24	2006.83	0.80	0.20
Old 115th	1229.*	1 ft	8000.00	932.00	932.93		933.22	0.002043	4.28	1870.09	2003.34	0.78	0.12
Old 115th	1229.*	1.5 ft	16000.00	932.00	933.42		933.91	0.002007	5.62	2850.67	2005.08	0.83	0.18
Old 115th	1229.*	2 ft	24000.00	932.00	933.90		934.52	0.001732	6.32	3801.35	2006.78	0.81	0.21
Old 115th	1224.*	1 ft	8000.00	932.00	932.92		933.21	0.002186	4.37	1832.67	2003.27	0.80	0.12
Old 115th	1224.*	1.5 ft	16000.00	932.00	933.40		933.91	0.002098	5.69	2813.09	2005.02	0.85	0.18
Old 115th	1224.*	2 ft	24000.00	932.00	933.88		934.51	0.001780	6.37	3770.36	2006.72	0.82	0.21
Old 115th	1219.*	1 ft	8000.00	932.00	932.89	932.79	933.20	0.002374	4.48	1787.80	2003.19	0.83	0.13
Old 115th	1219.*	1.5 ft	16000.00	932.00	933.38	933.25	933.90	0.002208	5.78	2770.14	2004.94	0.87	0.19
Old 115th	1219.*	2 ft	24000.00	932.00	933.86	933.64	934.51	0.001836	6.43	3735.21	2006.66	0.83	0.21
Old 115th	1214	1 ft	8000.00	932.00	932.79	932.79	933.19	0.003594	5.07	1578.50	2002.82	1.01	0.18
Old 115th	1214	1.5 ft	16000.00	932.00	933.25	933.25	933.88	0.003086	6.39	2505.12	2004.47	1.01	0.24
Old 115th	1214	2 ft	24000.00	932.00	933.64	933.64	934.47	0.002814	7.31	3285.57	2005.86	1.01	0.29
Old 115th	1212.*	1 ft	8000.00	931.00	931.39	931.79	933.04	0.049475	10.33	774.67	2001.34	2.93	1.20
Old 115th	1212.*	1.5 ft	16000.00	931.00	931.70	932.25	933.73	0.027606	11.44	1399.04	2002.41	2.41	1.20
Old 115th	1212.*	2 ft	24000.00	931.00	931.98	932.64	934.31	0.020223	12.25	1959.29	2003.38	2.18	1.24
Old 115th	1210.*	1 ft	8000.00	930.00	930.32	930.79	932.81	0.122178	12.67	631.39	2001.05	3.97	2.41
Old 115th	1210.*	1.5 ft	16000.00	930.00	930.58	931.25	933.55	0.064857	13.83	1157.42	2001.93	3.20	2.34

HEC-RAS Plan: Overtop River: Tres Rios Reach: Old 115th (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Shear Chan
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)		(lb/sq ft)
Old 115th	1210.*	2 ft	24000.00	930.00	930.82	931.64	934.15	0.045732	14.64	1639.55	2002.73	2.85	2.34
Old 115th	1208.*	1 ft	8000.00	929.00	929.28	929.79	932.42	0.219505	14.23	562.38	2000.91	4.73	3.85
Old 115th	1208.*	1.5 ft	16000.00	929.00	929.51	930.25	933.29	0.118222	15.59	1026.43	2001.66	3.84	3.79
Old 115th	1208.*	2 ft	24000.00	929.00	929.73	930.64	933.94	0.082638	16.47	1457.77	2002.35	3.40	3.76
Old 115th	1206.*	1 ft	8000.00	928.00	928.26	928.79	931.83	0.353642	15.15	528.06	2000.83	5.20	5.83
Old 115th	1206.*	1.5 ft	16000.00	928.00	928.47	929.25	932.91	0.202463	16.91	946.27	2001.48	4.33	5.98
Old 115th	1206.*	2 ft	24000.00	928.00	928.67	929.64	933.65	0.142711	17.91	1340.55	2002.09	3.86	5.97
Old 115th	1204.*	1 ft	8000.00	927.00	927.26	927.79	931.01	0.451904	15.54	514.75	2000.78	5.40	7.26
Old 115th	1204.*	1.5 ft	16000.00	927.00	927.45	928.25	932.39	0.283666	17.83	897.28	2001.36	4.69	7.94
Old 115th	1204.*	2 ft	24000.00	927.00	927.63	928.64	933.24	0.204371	19.01	1262.81	2001.91	4.22	8.05
Old 115th	1202.*	1 ft	8000.00	926.00	928.01	926.79	928.07	0.000553	1.99	4026.45	2005.91	0.25	0.07
Old 115th	1202.*	1.5 ft	16000.00	926.00	926.43	927.25	931.71	0.367330	18.43	868.07	2001.28	4.93	9.95
Old 115th	1202.*	2 ft	24000.00	926.00	926.60	927.64	932.72	0.273727	19.85	1209.40	2001.78	4.50	10.33
Old 115th	1200	1 ft	8000.00	925.00	928.03		928.06	0.000161	1.32	6080.16	2008.67	0.13	0.03
Old 115th	1200	1.5 ft	16000.00	925.00	928.13	926.25	928.23	0.000578	2.55	6282.10	2008.95	0.25	0.11
Old 115th	1200	2 ft	24000.00	925.00	925.59	926.64	932.07	0.346243	20.43	1174.69	2001.68	4.70	12.69
Old 115th	1150.*	1 ft	8000.00	925.00	928.03		928.05	0.000162	1.32	6063.61	2008.64	0.13	0.03
Old 115th	1150.*	1.5 ft	16000.00	925.00	928.10		928.21	0.000598	2.58	6218.71	2008.86	0.26	0.12
Old 115th	1150.*	2 ft	24000.00	925.00	928.24	926.64	928.45	0.001169	3.70	6486.02	2009.24	0.36	0.24
Old 115th	1100.*	1 ft	8000.00	925.00	928.02		928.04	0.000164	1.32	6046.94	2008.62	0.13	0.03
Old 115th	1100.*	1.5 ft	16000.00	925.00	928.07		928.17	0.000619	2.60	6152.87	2008.77	0.26	0.12
Old 115th	1100.*	2 ft	24000.00	925.00	928.16		928.39	0.001258	3.79	6344.14	2009.04	0.38	0.25
Old 115th	1050.*	1 ft	8000.00	925.00	928.01		928.04	0.000166	1.33	6030.02	2008.60	0.13	0.03
Old 115th	1050.*	1.5 ft	16000.00	925.00	928.04		928.14	0.000643	2.63	6084.45	2008.67	0.27	0.12
Old 115th	1050.*	2 ft	24000.00	925.00	928.09		928.32	0.001366	3.88	6188.91	2008.82	0.39	0.26
Old 115th	1000	1 ft	8000.00	925.00	928.00	925.79	928.03	0.000167	1.33	6012.86	2008.57	0.14	0.03
Old 115th	1000	1.5 ft	16000.00	925.00	928.00	926.25	928.11	0.000668	2.66	6012.86	2008.57	0.27	0.13
Old 115th	1000	2 ft	24000.00	925.00	928.00	926.64	928.25	0.001504	4.00	6012.86	2008.57	0.41	0.28


Old115th Plan: Overtopping 9/13/2010
Tres Rios Old 115th
Legend
WS 1 ft
WS 1.5 ft
WS 2 ft
Crit 2 ft
Crit 1.5 ft
Crit 1 ft
Ground
Elevation (ft)
936
934
932
930
928
926
924
0
100
200
300
400
500
Main Channel Distance (ft)


Old115th Plan: Overtopping 9/13/2010
Tres Rios Old 115th
Legend
Vel Chnl 2 ft
Vel Chnl 1.5 ft
Vel Chnl 1 ft
Vel Chnl (ft/s)
0
5
10
15
20
25
0
100
200
300
400
500
Main Channel Distance (ft)

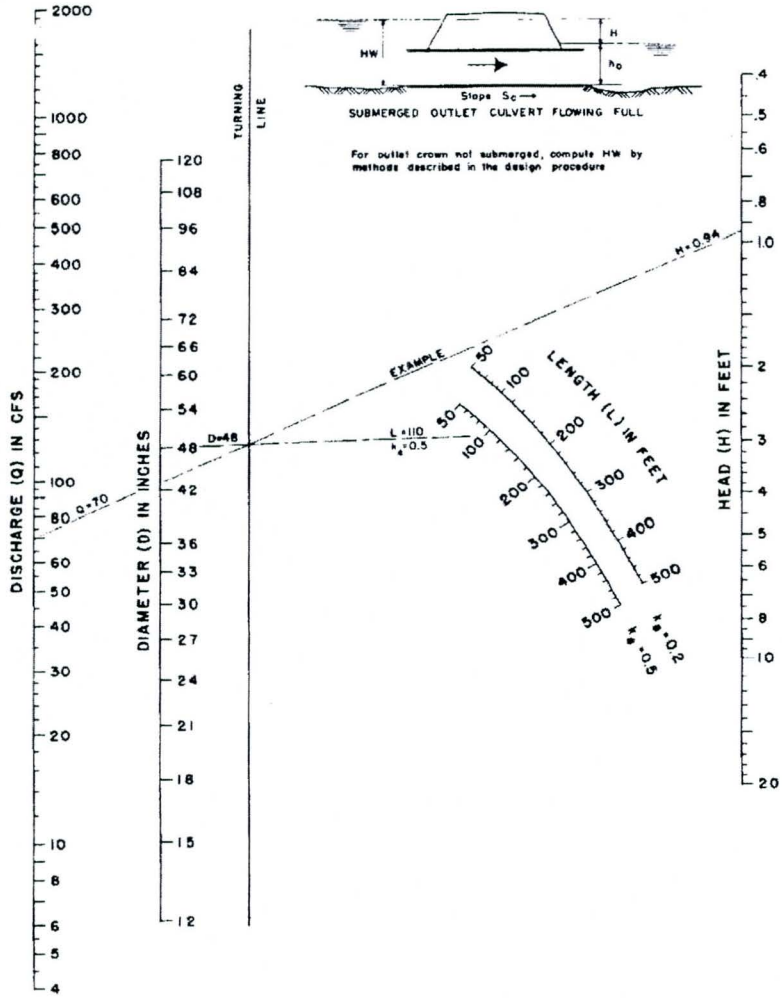
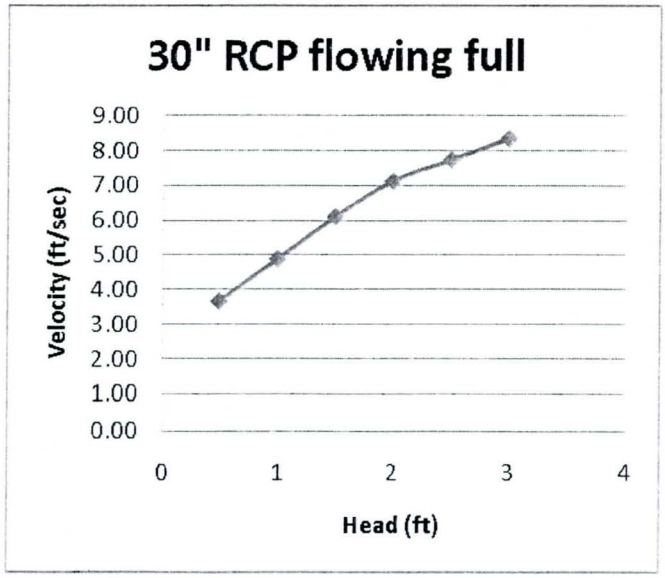


Figure 2. Velocities for various heads for the 30 inch RCP pipe flowing full.

Head (ft)	Discharge, Q (cfs)	Area (ft^2)	Velocity (ft/sec)
0.5	18	4.91	3.67
1	24	4.91	4.89
1.5	30	4.91	6.11
2	35	4.91	7.13
2.5	38	4.91	7.75
3	41	4.91	8.36