Deep River Watershed Modeling

LAKE AND PORTER COUNTIES

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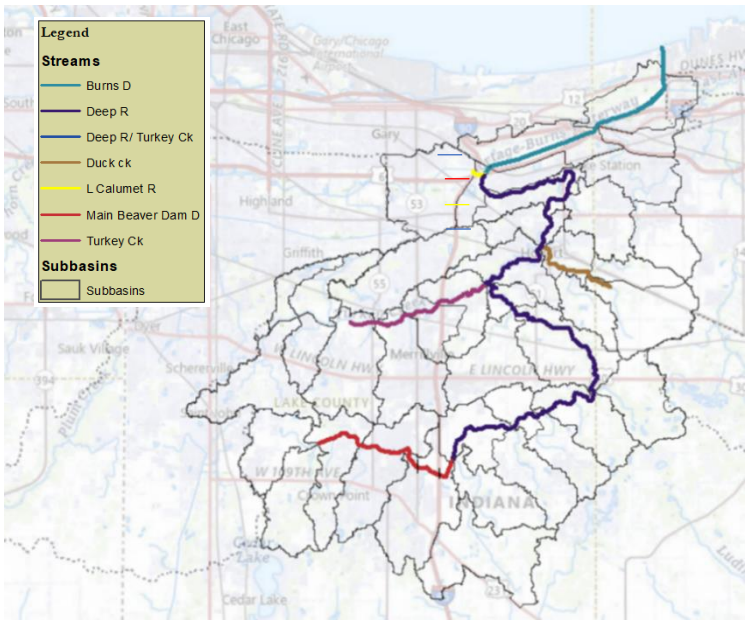
EXECUTIVE SUMMARY

This report documents the methodology of and results from a detailed hydrologic and hydraulic model of the Deep River Watershed located in Lake and Porter counties completed by Christopher B. Burke Engineering, LLC (Burke) for use by the Little Calumet River Basin Development Commission (Commission). This modeling is a watershed-wide model that uses consistent data and methodology and can be used to identify flood impacts of proposed major projects on Deep River and its main tributaries. By utilizing the unsteady state modeling technique that accounts for both floodplain storage and timing of flow, the new model is intended to provide a realistic analysis of flow and flood elevation suitable for evaluating projects. The models include the basins and streams highlighted below. Flow inputs from additional contributing areas were included by approximate methods.



The hydrologic and hydraulic models were first calibrated using the September 2008 and April/May 2019 flood events. Model results were compared to United States Geological Survey (USGS) gage records and Indiana Department of Natural Resources (IDNR) high-water marks then model input parameters adjusted accordingly. This increases the level of confidence in the model parameters for use in creating existing condition models for the 10- and 100-year flood events. These resulting 10- and 100-year hydrologic and unsteady hydraulic models now provide the Commission with a tool for identifying impacts of proposed changes in the Deep River watershed. Having information about impacts, the Commission can determine the likely regional impacts of a proposed project brought to them and objectively categorize the overall regional impact of the project as detrimental, beneficial, or neutral.

As part of a separate study by Burke for the Commission, detailed updated modeling of the Little Calumet River is being developed. Once the noted model is completed, it should be incorporated into the overall model developed as part of this study, replacing the current estimated input to this study's model, to provide a more complete picture of the watershed and increase the evaluation capabilities of this model.

To further maintain the usefulness of the modeling, routine updates will need to be made from time to time. One factor that would trigger a need for such revisions to the model is updated rainfall depths or distributions. The National Oceanic and Atmospheric Administration (NOAA) is planning to release updated rainfall data in the form of a new Atlas 15 (replacing the current Atlas 14) for Indiana in 2026.

Another potential trigger for a need to update the model is access to significant new detailed data that wasn't available for the current modeling. One example is bathymetry of Main Beaver Dam Ditch, Duck Creek or Turkey Creek. It's also possible that bridges that were input using IDNR permit data (rather than as-built information which was not available) were not constructed as designed and varied enough from the permit plans that a correction based on survey would be warranted. The model should be updated if such as-built data showing substantial changes to that permitted becomes available.

An update to the model could also be triggered by a significant storm event after the addition of discharge data collection at each of the existing USGS gages. this would be helpful in improving the calibration and quantification of the relationship between discharges and water surface elevations, especially at USGS gages Deep River at Merrillville and Turkey Creek at Merrillville, to better determine inflows to Lake George. The addition of a stage gage on Lake George would perhaps be helpful in explaining differences in the gage behavior such as was noticed for the two current calibration events.

A method for an objective and consistent evaluation of regional project impacts was developed as part of this study. This method requires adding a proposed project to this study's modeling, then copying the detailed output into a custom-made, pre-formulated spreadsheet. A reach-by-reach summary of impacts is then calculated automatically in the spreadsheet that can be further summarized into a sentence summarizing the impacts of the project and categorizing the project as either regionally detrimental, regionally beneficial, or regionally neutral. A few projects of interest were evaluated with the model as proof of concept and to answer a few questions of immediate interest to the Commission. This included an evaluation of three projects completed since the 2019 flood event and evaluation of several proposed and/or contemplated projects along various stream reaches.

The three projects completed since the 2019 flood event included the replacement of 3rd Street over Lake George, replacement of Lake Station low head dam with riffle and pedestrian bridge, and completion of the opening expansion of the railroad bridge just downstream of the Duck Creek confluence. The models showed these 3 projects combined caused a reduction in peak water surface elevation up to 1.1 feet upstream of Lake George outlet but an increase of up to 0.2-foot in a 2.5 mile reach downstream of Lake George.

Other proposed projects that were modeled and compared to the existing condition included raising Wisconsin Street bridge approaches, adding a culvert under I-65 on Little Calumet River, and the Stinky Creek Diversion, which were each found to have negligible regional impacts. An increase in the flow capacity of the railroad crossing near Harrison Avenue on Turkey Creek was also evaluated and found to have potentially beneficial impacts in the immediate vicinity whereas a decrease in the flow capacity would increase stages upstream with negligible benefit downstream. Increasing the size of the Lake George spillway was also evaluated and it was determined that it could have up to 2-foot reduction in water surface elevation upstream but causes up to 0.1-foot increase downstream.

Additional modeling, completed as part of this study, highlighted the importance of storage areas. A simulation run was made of the existing condition 100-year model with removal of almost all the storage areas used in the model (mostly located upstream of Niles Ditch). The peak water surface elevation along Main Beaver Dam Ditch increased up to 5 feet. There was up to 2.5 feet per second (fps) increase in channel velocity and significant increases in discharge.

This information is just some of what can be gleaned from the models. Aside from its primary intended use as an evaluation tool, there is potential use of this model for other objectives related to flooding such as more accurate determination of flood risk areas, development and evaluation of potential projects that can reduce flood risks, and flood response planning.

To aid the future use of the model to evaluate additional projects, documentation geared towards an engineer familiar with these types of models has been developed. It includes recommendations for careful tracking of the revisions and location of the revised models. This will be important to keeping the models useful. Also important is tracking cumulative impacts of proposed projects that are built. A proposed tracking system is provided along with the spreadsheet for consistent documentation of model results.

1.0 PROJECT OVERVIEW

1.1 INTRODUCTION

This report documents the methodology of and results from detailed hydrologic and hydraulic models of the Deep River Watershed located in Lake and Porter counties completed by Burke for use by the Commission. Various projects have been completed or proposed along streams in the Deep River watershed over the years. Models to evaluate those projects may have been done but were only extensive enough to identify impacts in their immediate vicinity. Flood Insurance Study (FIS) modeling has been used for some of the reaches but besides being based on limited and partially outdated information, such modeling is not able to evaluate impacts of project-induced changes to hydrograph timing and resulting flood elevations. A model developed by the Metropolitan Water Reclamation District (MWRD) exists and can evaluate hydrograph timing impacts, but the model uses very generalized input for the Deep River watershed.

Therefore, new modeling was undertaken to close the gap in the availability of detailed modeling along the main watershed streams. This modeling aims to develop a watershed-wide model that uses consistent data and methodology which can be used to identify flood impacts of proposed major projects on Deep River and its major tributaries. By utilizing the unsteady state modeling technique that accounts for both floodplain storage and timing of flow, the new model is intended to provide a realistic analysis of flow and elevation of floodwaters that is suitable for evaluating projects. Aside from its primary intended use as an evaluation tool, there is potential use of this model for other objectives related to flooding such as more accurate determination of flood risk areas, development and evaluation of potential projects that can reduce flood risks, and flood response planning.

The more detailed modeling incorporates applicable data from previous studies, recent land use, LiDAR topography, bridge plans from IDNR permit files, survey data, hydrologic soil group data, and historic storm rainfall and stream gage data to create a watershed-wide HEC-HMS hydrologic model and HEC-RAS 1D unsteady hydraulic model. This report documents the methodology and data used. The report also contains the documentation of a consistent methodology for summarizing the results of the evaluation of proposed projects to inform the Commission as it undertakes or provides funding of various projects. Also included in the report are the summary of evaluations of several past and proposed projects as proof of concept and examples of how the model can be used for evaluating projects.

It should be noted that this new updated modeling does not include the capability to evaluate things such as sediment supply, erosion, etc. It is also not intended as a regulatory model as it includes features such as storage that regulatory models do not typically allow.

1.2 STUDY AREA

The Deep River watershed includes parts of Lake and Porter counties. Main Beaver Dam Ditch becomes Deep River which then joins with Turkey Creek at the upstream end of Lake George. Duck Creek joins Deep River a short distance downstream of the Lake George outlet. The Little Calumet River joins Deep River near I-80/94 and becomes Burns Ditch which empties into Lake Michigan after being joined by the East Arm Little Calumet River. **Figure 1** shows the relative location and size of each stream and subbasin included.

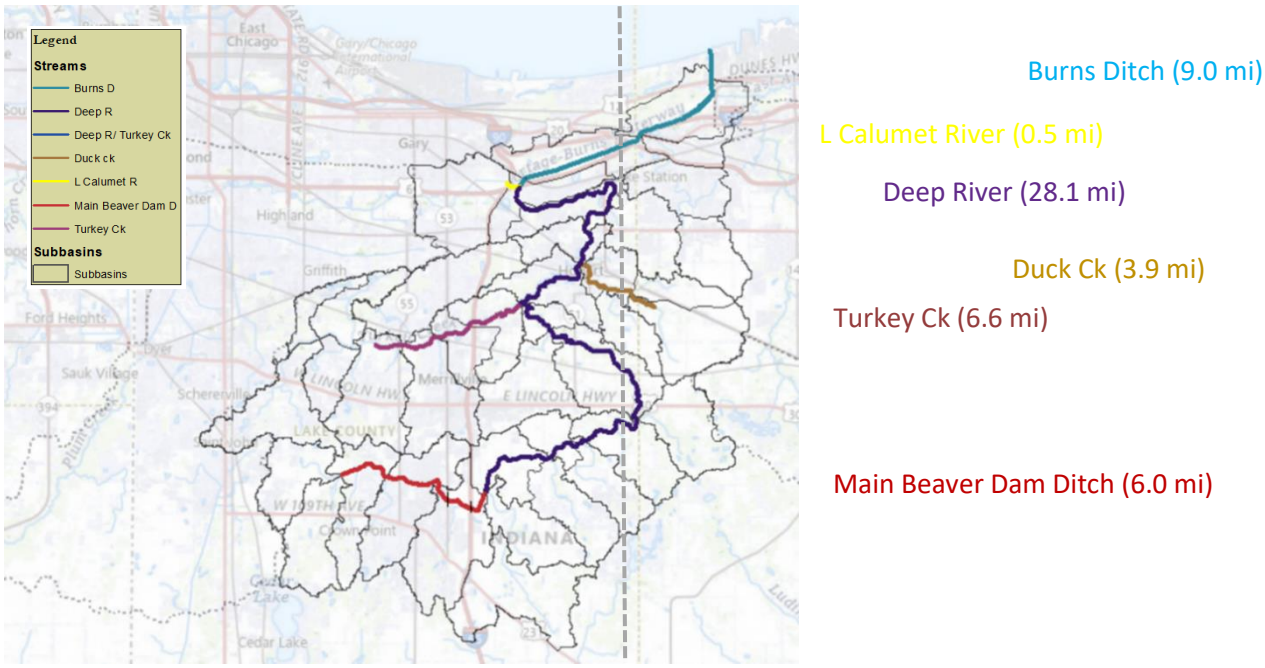


Figure 1: Modeled Watersheds and Stream Reaches

2.0 CALIBRATION MODELS

2.1 HYDROLOGIC MODEL – INITIAL INPUTS

The following sections identify data used to create the HEC HMS (version 4.10) hydrologic model used for calibration. This model creates hydrographs from each delineated subbasin for input to the hydraulic model.

2.1.1 WATERSHED DELINEATION

The 5-foot cell resolution 2018 IndianaMap Digital Elevation Model (DEM) for Porter and Lake counties was used for watershed delineation and hydrologic parameter determination. The watershed for Deep River/Burns Ditch upstream of East Arm Little Calumet River was divided into a total of 40 subbasins to adequately capture the complexity of the Deep River system. The East Arm Little Calumet River drains into the reach modeled as does the Little Calumet River. Modeling of these basins was outside the current scope of this analysis so the input from these watershed portions was included via gage records as explained in the hydraulic model boundary condition section. The total area of the delineated watershed in this study is approximately 186 square miles just upstream of its confluence with East Arm Little Calumet River. The delineated watershed area and subbasins are shown on **Exhibit 1.** Little Calumet River basin contributes another 7.5 square miles of drainage area plus a portion of the Hart Ditch 71 square mile drainage area to the overall watershed while East Arm Little Calumet River contributes another 151 square miles.

2.1.2 ROUTING

Where two or more subareas added together to provide flow inputs to the hydraulic model, the Muskingum-Cunge method was used to route the upstream hydrographs. Additional routing and junctions were included in the model for preliminary evaluation but not used beyond that.

2.1.3 INFILTRATION

Infiltration was simulated using the SCS Curve Number (CN) infiltration method. Information concerning the hydrologic properties of the soil as well as the types and extent of land use practices in the area were necessary for using this method. Soil information was obtained from the Natural Resources Conservation Service (NRCS) Web Soil Survey. Initially, soils that had dual hydrologic soil classifications were assumed to be drained. Current land use information was determined from the 2021 National Land Cover Database (NLCD) from USGS.

2.1.4 RUNOFF TRANSFORMATION

The excess rainfall was transformed into runoff using the Clark Unit Hydrograph method. Times of Concentration (TC) to use for this method for each subbasin were calculated assuming a hydraulic radius of 2.8 based on the initial values calculated in the hydraulic model. Based on experience with other models, a storage ratio of 0.6 was initially selected. This was used with the calculated TC to determine the storage coefficient for each subbasin. TC paths are shown on **Exhibit 1**.

2.1.5 RAINFALL

The 2008 and 2019 historic events were selected to calibrate the model. The September 2008 event was a large storm event (exceeding 10 inches from September 10 to 15, 2008) but only 2 stream gages and some high-water marks were available for calibration. The April/May 2019 event with its 4.75 inches of rainfall from April 29-May 3, 2019, was selected for a second calibration event. It was chosen since it was the highest single event peak since 2008 that also had more gage data available.

One-hour increment rainfall grid point shape files for the watershed were obtained from the National Weather Service via the Earth Observing Laboratory (EOL) for each historic storm. The rainfall time was converted from Greenwich Mean Time (GMT) to Central Daylight Time (CDT) by shifting the rainfall data time back 5 hours. This then matches the time zone of the USGS gage records to which the model was calibrated.

2.2 HYDRAULIC MODEL – INITIAL INPUTS

The hydraulic analysis of the watershed was completed using the 1D unsteady state option in HEC-RAS (version 6.3.1). All elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88). The following paragraphs provide an overview of the hydraulic model input and analysis.

2.2.1 CROSS SECTIONS

Channel cross-section data was cut from the 2018 LiDAR merged with 2013 DEM of the channel for the reach. The 2018 LiDAR was obtained when water levels in the channel were higher than when the 2013 LiDAR was obtained so 2013 data was added to make use of the additional available channel topography. Lengths between cross sections were measured from the DEM. Below water channel topography was obtained from bathymetry or survey where it had been noted as the data source in portions of IDNR files MR-33,791 and FARA model #3045 used for input to this modeling effort. The location of all the model cross sections are shown in **Exhibit 2a, 2b, and 2c**.

2.2.2 MANNINGS N VALUES

Mannings N values were selected based on aerial photography from 2022. The same values were used for both calibration and existing condition since a review of aerial photography showed only isolated areas of change over the years since the calibration events.

2.2.3 INEFFECTIVE FLOW AND BLOCKED OBSTRUCTIONS

Ineffective flow limits were added based on contraction and expansion from topographic features, bridge openings, and buildings shown on aerial photography. Blocked obstructions were added where such features existed as seen on aerial photography.

2.2.4 BRIDGES AND CULVERTS

Bridge data was obtained from aerial photography, IDNR permit plans, Indiana Department of Transportation (INDOT) plans, previous studies, survey data (2001, 2015, 2023), and the effective FEMA FIS models. The bridge data that could be identified as reflecting the 2008 or 2019 conditions was used in the respective model for calibration. IDNR files MR-33,791 and FARA model #3045 included 2001 and 2015 survey data that was used where applicable. A table showing the sources of the data for each bridge is included as **Appendix 1**.

2.2.5 INLINE STRUCTURES

Two inline structures are in the model reach. One is the dam outlet for Lake George. The DEM elevations were used for the Lake George structure embankment and the elevations and dimensions in a Lawson Fisher Associates report spreadsheet in IDNR files for the spillway. The weir was modeled as several gates so the pedestrian bridge blockage could be accounted for when water reached that level. Physically modeling the weir allowed for the tailwater to vary with time.

The other inline structure is the low head dam at Lake Station. Data for the old dam was used from plans in the IDNR permit for a new dam.

2.2.6 BOUNDARY CONDITIONS

Flows were added to the model from the HMS model output, gage records, and estimations as described below.

- Lake Michigan

  The mean monthly stage on Lake Michigan obtained from IDNR tables for each calibration event was used for the downstream boundary for the model. These 2008 and 2019 elevations were converted to NAVD 88 (578.5 and 581.1) respectively. To test the sensitivity of the model to various start elevations from Lake Michigan, a version of the model was created that started at the Portage-Burns Waterway at Porter gage 2019 event stage hydrograph (smoothed out to eliminate the wave action ups and downs present in the record that RAS can't model well). Upstream discharges were not significantly different between the two start condition options. Elevations for both options were almost the same by the upstream end of Burns Ditch near the Little Calumet River confluence.

- East Arm Little Calumet River

  Previous modeling done by the MWRD was originally going to be used for the Little Calumet River and the East Arm Little Calumet River watershed inputs. While the MWRD model documentation noted that a version of the 2008 storm had been used for MWRD model calibration, the model could not be found.

  To obtain an estimate for East Arm Little Calumet River, Salt Creek near McCool and Little Calumet River at Porter USGS gage data was analyzed. These gages are relatively near the confluence of these 2 streams and include a large percentage of the drainage area of the East Arm Little Calumet River flowing to Burns Ditch. As seen in **Figure 2** the daily mean discharges for the June 11-17, 1981, event (largest event for the range of time that both gages were in operation) were plotted and found to produce similar shapes. Each Porter daily mean was found to range from 0.69 to 0.88 times the corresponding McCool values. The Porter gage peak was 0.817 of the McCool peak so a value of 0.817 was selected as the multiplier for the Porter gage data to estimate the McCool gage contribution and add to the Porter gage hydrograph for the needed hydrograph at the mouth of East Arm Little Calumet River.

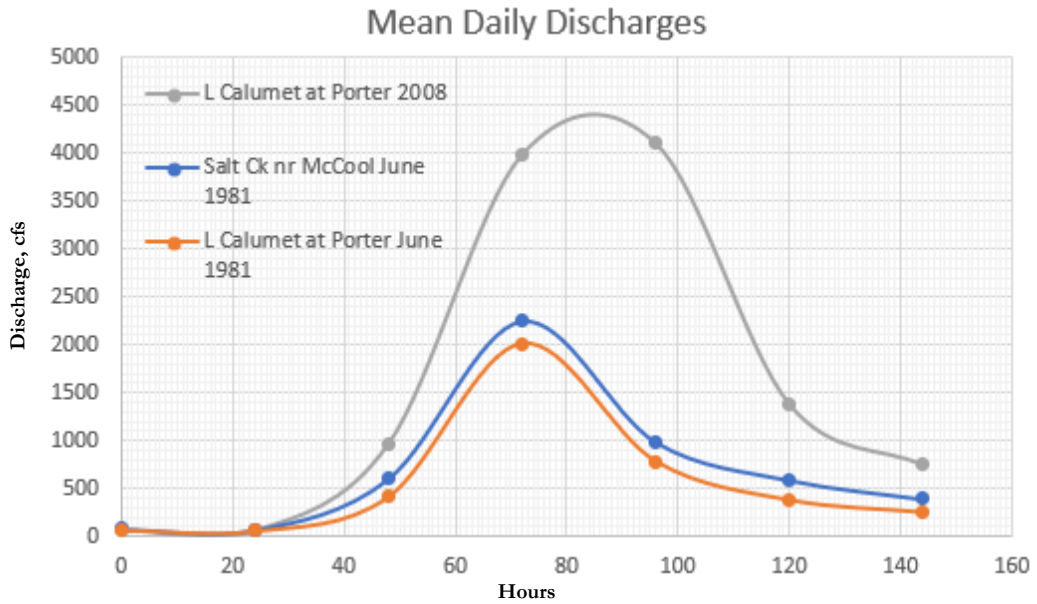


Figure 2: Mean Discharge Values at USGS Gages for Determining Model Input Flow

An additional multiplier of 1.07 was added in the model to account for the East Arm watershed area downstream of the gage watersheds. This value was determined based on calibration efforts and a rough estimate of the contributing drainage area downstream of the gage.

- Little Calumet River

  To determine the appropriate boundary condition on the Little Calumet River for various simulated events, a detailed analysis of various gage records was undertaken. Gage discharge data for 2008 on the Little Calumet River near its mouth only exists in the form of 2 measurements at the Little Calumet at Gary auxiliary gage. Records for this gage had recorded discharges and gage heights for September 17, 2008 at 17:10 and September 18, 2008 at 12:30 of 311 cfs at a stage of 16.2 feet and 527 cfs at 15.6 feet, respectively. The higher stage had a corresponding lower discharge and occurred before the higher discharge and lower stage. The National Weather Service Advance Hydrologic Prediction Service (AHPS) website for the 2008 event showed no rainfall to account for Little Calumet River's later but higher discharge of 527 cfs at the Gary auxiliary gage. This seems to indicate the gage site is impacted by Deep River stages until Deep River stages go down and allows Little Calumet River to drain faster. The gages for Little Calumet River at Lake Station and Deep River at Liverpool (both upstream of the confluence with each other) have stage records available for the 2019 event. The comparison is shown in **Figure 3**. Elevations for the 2 streams are similar for the last half of the rising limb of the hydrograph and at the peak. At that point, Deep River stages drop faster than Little Calumet River. This data further supports the assumption that the Little Calumet River is controlled by Deep River stages until after the Deep River peak is passed and Little Calumet River can drain.

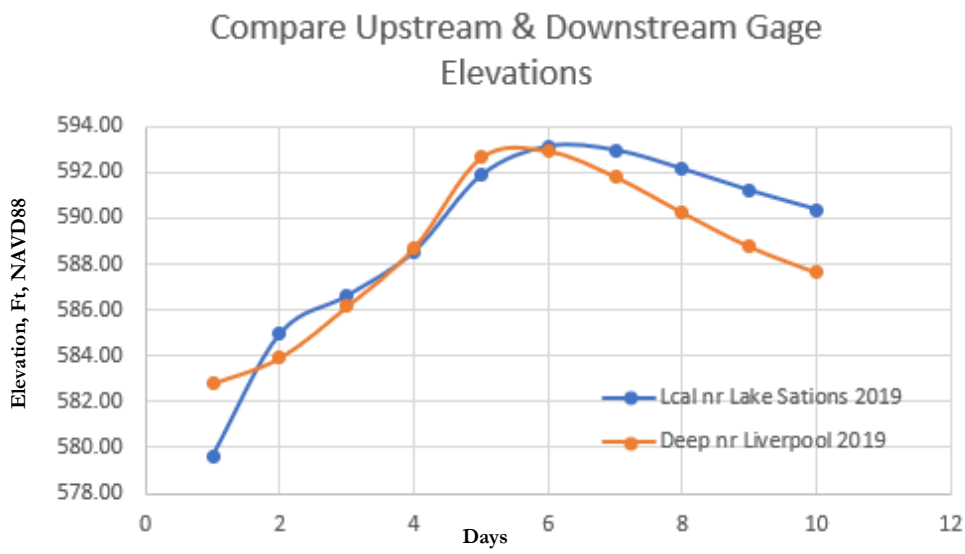


Figure 3: Comparison of Gage Hydrographs upstream of Little Calumet River and Deep River Confluence

It appears that the flow Little Calumet River contributes doesn't much affect the Deep River peak, so an estimated hydrograph was therefore created. It starts with a flow of zero increasing with time up to 200 cfs then remains at 200 cfs (based on the Little Calumet River at Gary auxiliary gage value order of magnitude) to mimic the impact on Deep River from the Little Calumet River in absence of discharge records near the mouth. This is negligible compared to Deep River's 5,000 cfs.

Because the input data for Little Calumet River and East Arm Little Calumet River are based on estimates instead of calculations, a sensitivity analysis was done to evaluate the range of impact this could have on results. Little Calumet River inflow hydrograph was varied by inputting the MWRD model 100-year 48-hour hydrographs at Little Calumet River and the East Arm Little Calumet River. The impact upstream of Little Calumet River was a slightly slower rise and a longer receding limb but essentially the same peak elevations. Burns Ditch was impacted but an analysis of varying Lake Michigan levels, an even more uncertain value, made more of an impact there than the inflow hydrograph.

- Modeled Subbasins

  Inflow from the rest of the watershed was from the HMS model. Some of these watersheds have runoff that entered the stream or storage area at 2 or more distinct locations. Where this was deemed significant, the inflow hydrograph was split by the percentage of the drainage area estimated to flow to the selected entry points. For example, if 40% of the drainage area went straight to a storage area and 60% to a point on a modeled stream, the inflow hydrograph from the subarea was multiplied by 0.4 for the inflow to the storage area and by 0.6 for input at the stream cross section.

  A summary of the HMS inflow points and source of the input is listed in **Appendix 2**. This table also includes associated flow ratios where HMS subbasin flows were split between multiple input locations.

2.2.7 STORAGE AREAS AND CONNECTIONS

Data for storage area volumes and the connections between these storage areas was taken from the DEM. The connection profiles were at the line of overflow between storage areas. If a culvert was visible in the

aerial, an estimation of the culvert size based on the aerial was included. Some minor adjustments to invert elevations was done to allow the model to run.

2.2.8 LATERAL WEIRS

Lateral weirs were used at several places to pass water between the channel and storage areas in the overbanks. The weir profiles were at the line of overflow along the berms between the channel and storage areas. If a culvert was visible in the aerial photography, an estimation of the culvert size based on the aerial was included. If a channel connected the two, the DEM was used for the channel part of the lateral weir as well. Some minor adjustments to the inverts were made to allow the model to run. Weir coefficients were varied based on the height of the overflow elevation compared to the receiving area using the values recommended for each condition in the HEC RAS manual.

2.3 CALIBRATION OF HYDROLOGIC AND HYDRAULIC MODELS

The 2008 geometry was combined with 2008 hydrology and 2019 geometry combined with 2019 hydrology to create the calibration models. Data used for the calibration included USGS gages and IDNR high-water marks as listed in **Table 1** .

Table 1: Calibration Data

Calibration Source	Event	Data (from USGS gage unless otherwise noted)
Portage-Burns Waterway at Portage	2008 and 2019	Stage and flow hydrographs
Lake Michigan	2008 and 2019	Great lakes Water Level Table for Lake Michigan, (adj to NAVD 88) from IDNR
Burns Ditch atUS20 at Lake Station	2019	Stage hydrograph
Little Calumet River near Lake Station	2019	Stage hydrograph
Deep River near Liverpool	2019	Stage hydrograph
Deep River at Lake George outlet at Hobart	2008 and 2019	Stage and flow hydrographs
Turkey Creek at 61st AV at Merrillville	2019	Stage hydrograph
Deep River at Grand Blvd at Merrillville	2019	Stage hydrograph
Turkey Creek	2008	IDNR High-water marks
Deep River	2008	IDNR High-water marks

Calibration of the hydraulic model to match results with the recorded USGS gage data and the high-water marks was accomplished by varying N values, ineffective flow limits, and select coefficients within reasonable limits. The hydrologic model input values were also revised within limits as needed to calibrate the hydraulic model. Achieving reasonable calibration required adjustment to the hydrologic model. Various combinations of input parameters caused better matches at some locations and worse at others. The final combination was selected as the best overall representation for the watershed.

The most reasonable calibration was obtained by using the calculated TC, recalculating the subbasin storage coefficients based on a ratio of 0.77, and varying the initial abstraction using a ratio of 0.1. Some effort was

made to vary the various multipliers based on differences in watershed characteristics. This did not provide an overall better calibration, so a single multiplier was used for simplicity. Soil classification information used to determine the CN sometimes shows dual classifications for certain soil groups. When it was initially assumed that all dual classification soils were drained, there was not enough volume of runoff calculated when compared to the gage records. CN calculations were therefore revised to use the undrained soils classification if dual classification was noted. This impacted all but subbasins 8, 27, and 31.

Looking at the watershed, it was decided that not all of the soils with the dual classification were undrained. Instead of going back through the detailed calculations of the CN, a simplified method was used based on the percentage of each subbasin soils with dual classification that was estimated to be undrained. Generally, all dual classification areas that were not in crops were assumed to be undrained. The difference in the detailed CN calculations for fully drained or fully undrained was multiplied by the percent of the subbasin that was assumed undrained and added to the CN from the all drained assumption.

While this resulted in a reasonable calibration of the 2008 flood event, the 2019 results were still too low so an investigation of Antecedent Moisture Conditions (AMC) was done. Even though there was some rainfall a few days before the 2008 event rainfall, there had been a couple weeks of dry weather during a hot time of the year, so AMC 2 was therefore determined to be appropriate. While the rainfall preceding the 2019 event was small, there had been fairly steady light rainfalls before the event. It was therefore assumed that the ground would be holding moisture and AMC 3 would be representative of the conditions at the start of the event.

Leaving the AMC 2 calculations for the 2008 model and using AMC 3 for the 2019 model allowed a reasonable calibration of both events. A table of the calibrated hydrologic model parameters is in **Appendix 3**. A comparison of the model results and the gage records and high-water marks are provided in **Appendix 4**.

3.0 EXISTING CONDITION MODELS

Having calibration models provides a level of confidence in the model parameters for creating existing condition models for the 10- and 100-year flood events. In general, the existing condition models were created from the 2019 calibrated hydraulic model with revision of bridges replaced between 2019 and 2023 and the 2008 hydrologic model input with 10- and 100-year rainfall data. The following is a description of the data that was changed from the calibration models to create the existing condition models.

3.1 HYDROLOGY

3.1.1 RAINFALL

NOAA Atlas 14 rainfall depths and distributions for the 10- and 100-year input were used. Rainfall depth data from Atlas 14 is provided in **Table 2**. A test then had to be made to select the critical duration rainfall since rainfall duration impacts peak flood elevations. Even though a rainfall event is very intense, it will not create as high flood elevations if it is short enough that rainfall from the entire watershed has not reached the point of interest by the time the rainfall ends.

Table 2: Frequency Rainfall Data Sources

Modeling Simulation	Rainfall Source	Rainfall Depth	Rainfall Duration	Distribution
10-Year	NOAA Atlas 14	3.73"	12 hr	NOAA 10% All Cases
10-Year	NOAA Atlas 14	4.50"	24 hr	NOAA 10% All Cases
10-Year	NOAA Atlas 14	5.45"	96 hr	NOAA 10% All Cases
10-Year	NOAA Atlas 14	4.50"	24 hr	SCS Type II
100-Year	NOAA Atlas 14	6.08"	12 hr	NOAA 10% All Cases
100-Year	NOAA Atlas 14	7.36"	24 hr	NOAA 10% All Cases
100-Year	NOAA Atlas 14	8.31"	96 hr	NOAA 10% All Cases
100-Year	NOAA Atlas 14	7.36"	24 hr	SCS Type II

To determine the critical duration rainfall to use for existing conditions, the model was run with the distributions available in NOAA Atlas 14: 12-, 24-, and 96-hour NOAA 10% All Cases. The SCS Type II distribution for the 24-hour storm was also run for comparison. A comparison of the maximum 100-year flood elevations when using each distribution along the model reaches showed the 96-hour produces higher elevations along Burns Ditch, Deep River, and Main Beaver Dam Ditch. It would be expected that Main Beaver Dam Ditch would have a small enough drainage area that the shorter storm would not be a half foot lower than the longer storm. The criticality of the longer storm duration along the Main Beaver Dam Ditch is probably due to the vast amount of storage along the stream. As expected, Turkey Creek and Duck Creek upstream of Lake George backwater produced higher elevations with the 24-hour duration storm due to their smaller drainage areas. Since the focus is on Deep River, the 96-hour duration was chosen for model use.

3.1.2 CURVE NUMBER SELECTION

Curve numbers based on AMC 2 conditions as used for the 2008 event were used since AMC 2 is normally used for frequency flood modeling.

3.2 HYDRAULICS

Calibrated 2019 hydraulic model geometry was copied and updated with post 2019 bridge data to form the existing condition geometry. Bridge changes since the 2019 event were 3rd Street over Lake George, Lake Station low head dam replacement and associated pedestrian bridge addition, and completion of the railroad bridge just downstream of Duck Creek. The low head dam was removed and replaced with riffles and pedestrian bridge in 2022.

3.2.1 BOUNDARY CONDITIONS

This section describes the data used for inflows and starting elevations in the hydraulic model.

- Lake Michigan

  The same start elevation that was used for the 2019 calibration model was used. There is a 100-year still water elevation in the Porter County FIS that is approximately 2 feet higher. The FIS values were not used as they added some instability to the model. Lake Michigan at the 100-year elevation at the same time as the 100-year rainfall on the watershed would be unlikely. The 2019 elevation is higher than the 2008 so it was used as reasonable middle ground. A sensitivity analysis of the Lake Michigan start elevation variation showed that impacts on peak water surface elevations limited to areas downstream of the Little Calumet River confluence.

- East Arm Little Calumet River

  Input for East Arm Little Calumet River in the 2008 and 2019 calibration models was based on a multiplier of the 2008 hydrograph at the Little Calumet River gage at Porter. For the existing condition model, no data was available for the inflow from East Arm Little Calumet River based on modeling so as was done for the calibration models, a multiplier for the 2008 hydrograph was determined for the 100- and 10-year floods.

  The first step in determining this multiplier was to calculate frequency flood peak discharges for the Porter gage with B17C methodology and verify with USGS StreamStats information for the site. These 10- and 100-year peak discharges at the Porter gage were divided by the 2008 peak discharge at the Porter gage to obtain the multipliers of 0.46 and 0.89, respectively. These multipliers were then increased by 1.07, the same multiplier used for the calibration floods to reflect runoff from the additional drainage area between the gages and the confluence with Burns Ditch. This resulted in a multiplier for the 2008 hydrograph of 0.49 for the 10-year and 0.95 for the 100-year.

  These values were used with the Porter 2008 gage discharge hydrograph in the respective frequency existing condition model. The resulting RAS model calculated 9,182 cfs for the East Arm 100-year contribution. This was checked for reasonableness by comparison to the sum of the B17C values for the Porter and Salt Creek at McCool gages. The summed value of 8,960 cfs was close enough to the 9,182 cfs RAS results that the calculated multipliers were not revised further.

- Little Calumet River

  For the Little Calumet River estimated inflow hydrograph, the same input as used for the 2008 calibration model was used since the 100-year discharge elsewhere on Deep River is about 90% of

2008 peaks. As discussed in Section 4, since the peak discharge from the Little Calumet River appears to have little impact on peak water surface elevations of Deep River, this was deemed acceptable in lieu of updated modeling of Little Calumet River that is expected to become available in the near future. When that model is completed, it will be connected directly to the overall Deep River model and therefore eliminate the need to estimate the input from the Little Calumet River to Deep River.

- Subbasin Flow Hydrographs

  The input flow hydrographs from the hydrologic model were input in the same manner and locations as in the calibration models. They, however, came from the 10- and 100-year hydrologic model.

3.3 RESONABLENESS CHECK

To confirm the reasonableness of the existing model results, a B17C analysis was done for the 76-year record of annual peak discharges from the Deep River at Lake George outlet gage. This showed 100- and 10-year discharges of 4,915 and 3,115, respectively. Comparison of the existing condition model results showed the 100-year from the model significantly higher than this. The potential need for an aerial reduction factor to apply to the rainfall in the hydrologic model was investigated. Drainage areas for watersheds the size of Deep River rarely have the full frequency rainfall occurring over the entire watershed. An aerial reduction factor was therefore applied to the rainfall in the HEC-HMS model used to calculate the inflow hydrographs for use in HEC-RAS. A factor of 0.9 for the 100-year produced 5,095 cfs at the Lake George outlet gage which closely matches the B17C determination of 4,915 cfs. The 10-year value at the Lake George outlet in the model with no aerial rainfall adjustment was 3,278 cfs which was considered close enough to the B17C value of 3,115 cfs. No aerial adjustment of rainfall was made to the 10-year inflow hydrographs because research papers found on the internet indicated that as the return interval of a storm decreases, the aerial reduction factor gets closer to 1. It is therefore acceptable to not use the aerial reduction in the model for the 10-year even though it was used for the 100-year. A copy of the 10- and 100-year model output of elevations at each cross section is included as **Appendix 5**. The 10- and 100-year floodplain limits along the studied streams are shown in **Figure 4**.

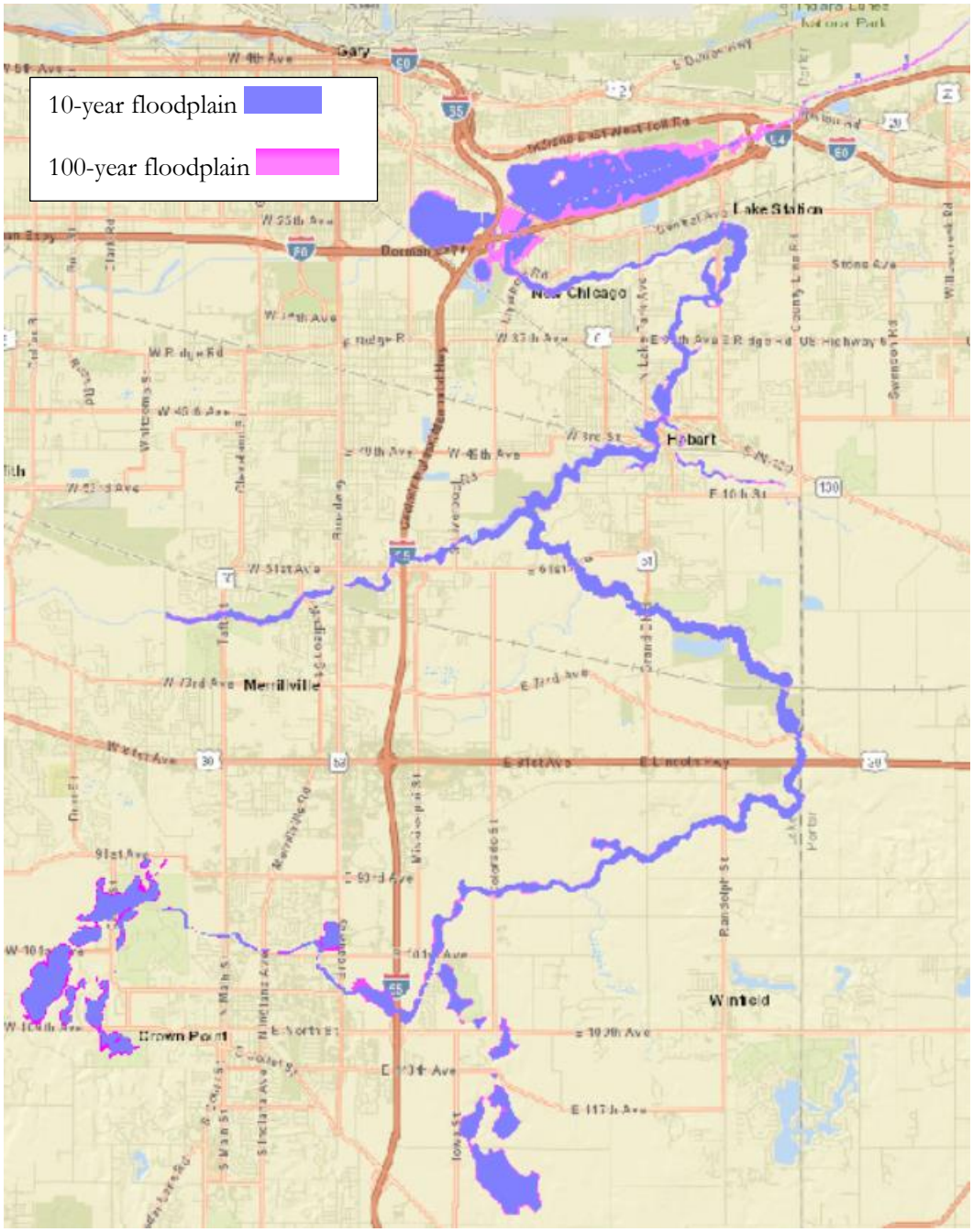


Figure 4: 10- and 100-year Floodplains

4.0 USE OF MODELING AS A TOOL

Pairing the newly created existing condition hydrologic and unsteady hydraulic models provides a tool for evaluating impacts of proposed changes in the Deep River watershed. Impact to upstream and downstream water surface elevations, channel velocities, timing of flow, and water surface elevation versus time can be evaluated. This model will provide needed detailed information to help the Commission determine the likely reginal impacts of a proposed project brought to them and consistently and objectively categorize the overall regional impact of a proposed project as detrimental, beneficial, or neutral. This section provides a description of what can be evaluated and what things might create the need for an update to the models. A more detailed description of how to change the modeling to track revisions and test proposed condition impacts is provided in **Appendix 6**. That description is geared to engineers who are familiar with HEC-HMS and HEC-RAS 1D unsteady state modeling.

4.1 USE AND LIMITATIONS OF THE MODEL

The models were developed at a scale where the minimum subbasin size was about 5 square miles. Therefore, potential projects that will have no impact on the discharge from a 5 square mile area will not show any changes in the model. Modeling for a local project with a finer subbasin delineation can replace data within this modeling. However, unless all subbasins are going to be split into small subbasins, a small, revised area can only be appropriately reflected as a part of the whole 5 square mile subbasin.

If modeling for only a portion of one of the subbasins is done to design a localized project, it can be included even if it uses different models as, for example, is the case for the proposed Stinky Creek project. XPSWMM modeling was done for diverting a portion of subarea 40 north instead of east to Deep River. The subbasin area still flowing east to Deep River was reduced by the area of the watershed from which water would be diverted and the diverted portion was added to the Deep River model at the proposed inflow point by adding the Stinky Creek project modeling outflow hydrograph at Deep River.

It should be noted that the Stinky Creek project modeling used a different rainfall distribution and depth (assumably based on local permit requirements) than was used for the Deep River watershed modeling. In this particular case, because the flow was so small, it didn't impact the results but where the flow could be a larger part of the Deep River flow, the local project should be run with the NOAA Atlas 14 rainfall and distribution so that it is the same as the rest of the Deep River model. Engineering judgement will still be needed if, for example, a project outlets to Turkey Creek or Duck Creek where the critical duration is shorter than for the rest of the model.

Culverts or channels that allow flow back and forth to overbank storage that is separated from the stream by berms were approximated from the DEM. If a finer level of information on the impact of a storage area addition or revision is desired, survey data for the connections to the storage and the berm overflow elevations would allow better understanding of the function of that storage area. Changes in storage areas used in the modeling or the connections between the overbank storage and the stream can be made as more detailed data becomes available.

Raising roads or enlarging/reducing the flow area under a bridge can be reflected in the hydraulic model as can fill in the floodplain or changes to operation of dams.

Burns Ditch was sensitive to Lake Michigan elevations used as a boundary condition for the model. For this reason, the model is not detailed enough to evaluate projects along Burns Ditch until a better representation of the Lake Michigan rise, fall, and wave run up can be reflected in the modeling and data for bridges and storage area connections can be confirmed.

4.2 POTENTIAL NEEDS FOR MODEL UPDATES

To maintain the usefulness of the modeling, updates will need to be made from time to time. One factor that would trigger a need for revisions to the model is updated rainfall depths or distributions. NOAA is planning to release updated rainfall data in the form of a new Atlas 15 (replacing the current Atlas 14 data) for Indiana in 2026.

Another potential trigger is access to significant new detailed data that wasn't available for the current modeling. One example is bathymetry of Main Beaver Dam Ditch, Duck Creek, or Turkey Creek. It's also possible that bridges that were input using IDNR permit data (rather than as-built information which was not available) were not constructed as designed and varied enough from the permit plans that a correction based on survey would be warranted.

When future flood events occur, the model calibration could be confirmed or improved by inputting the event rainfall and comparing results with gage data. Addition of discharge data collection at each of the existing gages would be helpful in improving the calibration and quantification of the relationship between discharges and water surface elevations, especially at Deep River at Merrillville and Turkey Creek at Merrillville stage gages to better determine flow contributions to Lake George. Addition of a stage gage on Lake George would be helpful in explaining the differences in the gage behavior for the two calibration events.

Detailed modeling of Little Calumet River is under contract with Burke and can be added to this model when completed to give a better picture of the interaction between Little Calumet River and Deep River/Burns Ditch.

Careful tracking of the revisions and location of the updated models will be important to keeping the model useful. A proposed tracking system is provided in **Appendix 6**.

5.0 EVALUATION OF POTENTIAL PROJECTS

5.1 STANDARDIZED EVALUATION SUMMARY

To simplify and standardize the summary of potential impacts of projects, a spreadsheet was developed and used to summarize each project's impacts by reach in a simple table. Reach numbers in the table correspond to those in the figure that precedes it and shows the project location. The spreadsheet contains 4 tabs in which project description is provided, model results are entered, impacts are automatically summarized, and summary of the results can be noted. A conclusion of negligible impact noted in summary table means changes of less than 0.09-foot in water surface elevation, less than 0.5 fps for velocity, and less than 5% change in discharge.

The findings summary is intended to provide a standardized information summary for the Commission to use in determining the desired level of their involvement in a project. A bucket with a symbol identifying the overall regional impact of a project is added manually to the conclusion summary tab to provide an impression of the project at a glance by the evaluator. A ✓ symbol indicates that the project has an overall beneficial regional impact (with or without potentially limited or minor tolerable negative side impacts), a ✖ symbol indicates that the project has a detrimental regional impact, and a ≈ symbol indicates that the project has an overall neutral or negligible regional impact. The bucket selection is based only on the water surface elevation, channel velocity, and discharge differences, not additional factors that may influence the benefit determination.

A finding of negligible regional impact on the streams modeled doesn't mean that a project won't have localized benefit. Findings of impact mean that further consideration should be given to the decision of whether the impacts are worth the benefit that would be provided.

Besides quantifying the impact of each proposed project, the cumulative impact of constructed projects will also need to be tracked. A spreadsheet for tracking this as well as guidance regarding which models need what changes for each general situation is provided in **Appendix 6**.

5.2 PROJECT EVALUATIONS

Based on input from the Commission, the following potential projects were added to the existing condition model in order to determine the impacts on the whole watershed. Results were summarized using the guidance in **Appendix 6**.

5.2.1 RECENTLY COMPLETED PROJECTS

Since 2019 some major projects along Deep River have been completed. To show the impacts of these projects, the existing and 2019 condition models 100-year flood results were compared. The projects included are replacement of 3rd Street crossing over Lake George, replacement of Lake Station low head dam with riffle and pedestrian bridge, and completion of the opening expansion of the railroad bridge just downstream of the Duck Creek confluence. The general location of each is shown by a red asterisk in **Figure 5**. Numbers on the map correspond to reaches identified in the results summary. The results summary is provided in **Figure 6**. The full spreadsheet for evaluating this project is included in **Appendix 7**.

Figure 5: Location of Projects Constructed Since April 2019

Proposed Project:	**Existing (impact of Lake Station Dam, RRd/s of Lake George, replace 3rd St over Lake George) compared to 2019 event conditions**
Project Description:	**increase bridge capacities, replace Lake Station dam with a riffle**
Project Location:	**Lake Station Dam, RR downstream of Lake George, 3rd St over lake George**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**
Overall Conclusion:	
Water Surface Elevation Decreases:	reduction in water surface elevations of up to 1.1 foot in reaches 8 ,9, and 10 and up to 0.4 ft reduction in reach 16
Water Surface Elevation Increases:	increase in water surface elevations up to 0.2 ft in reach 4-6 and 0.1 ft in 12
Peak Channel Velocity Increases:	up to 0.5 fps velocity increases in the channel in reach 16
Peak Discharge Increases:	Insignificant

Figure 6: Summary of Recently Completed Project Impacts

5.2.2 IDNR-APPROVED RAISING OF WISCONSIN STREET BRIDGE APPROACH

A revised Wisconsin Street Bridge has been approved by IDNR under PL-24,588. The bridge is located as shown in **Figure 7**. The opening will have a second pier and be widened slightly. The approach road will be raised significantly. A test was made in the model of raising the road to the permitted elevations. The summary of results is shown in **Figure 8**. The full spreadsheet for evaluating this project is included in **Appendix 8**.

Figure 7: Location of Wisconsin Street Bridge Replacement

Proposed Project:	**Wisconsin St**
Project Description:	**replace Wisconsin St bridge over Lake George**
Project Location:	**Wisconsin St bridge over Lake George**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**
Overall Conclusion:	
Water Surface Peak Elevation Decreases:	negligible
Water Surface Peak Elevation Increases:	negligible
Peak Channel Velocity Increases:	negligible
Peak Discharge Increases:	negligible

Figure 8: Wisconsin Street Bridge Replacement Impacts

5.2.3 ADDING CULVERT UNDER I-65 ON LITTLE CALUMET RIVER

The culvert under I-65 (approximately 1,800 feet upstream of the confluence of Little Calumet River and Deep River) is currently a 14-foot diameter corrugated metal pipe. The location of this culvert is shown in **Figure 9**. A second culvert of the same size was added to the model to test the potential impacts on upstream and downstream water surface elevations. Adding the second culvert had a negligible impact on the peak 100-year flood elevation. It allowed a little more water to flow from Deep River to Little Calumet River and then flow out from Little Calumet River after the Deep River peak passed. The summary of results is shown in **Figure 10**. The full spreadsheet for evaluating this project is included in **Appendix 9**.

Figure 9: Potential I-65 Culvert Project Location

Proposed Project:	**I-65**
Project Description:	**add a second culvert of the same size to I-65**
Project Location:	**I-65 over L Calumet River**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**

Overall Conclusion:	
Water Surface Peak Elevation Decreases:	negligible
Water Surface Peak Elevation Increases:	negligible
Peak Channel Velocity Increases:	negligible
Peak Discharge Increases:	changes timng of discharges along L Calumet but doesn't affect elevations, reach 2

Figure 10: Summary of Proposed I-65 Culvert Project Impacts

5.2.4 STINKY CREEK DIVERSION

A diversion of 490 acres of the upper Stinky Creek watershed to a point about 5 miles downstream of its current outlet to Deep River has been proposed. The location of this diversion is shown in **Figure 11**. The proposal is to intercept approximately 490 acres of the watershed runoff and convey it north to Deep River via a 72-inch pipe. The diverted flow hydrograph provided by Abonmarche in an email February 6, 2024, based on a 100-year rainfall of 5.7 inches using the Indianapolis Huff 24 hour was added to the model DeepR DSDuck cross section 926813 approximately where the proposed new outlet would be. Since only the 100-year hydrograph was provided, it was used for both the 100- and 10-year modeling. The diverted flow is such a small amount compared to the peak 100- or 10-year flow in Deep River that it showed negligible changes in peak 100- and 10-year flood elevations.

The area for the existing condition Stinky Creek subbasin in the model was reduced by 490 acres and the TC shortened accordingly to reflect the revised contributing area at the original confluence with Deep River. It was assumed that the subbasin was relatively homogenous and the CN for the whole subbasin

was valid for the remaining portion. The summary of results is shown in **Figure 12**. The full spreadsheet for evaluating this project is included in **Appendix 10**.

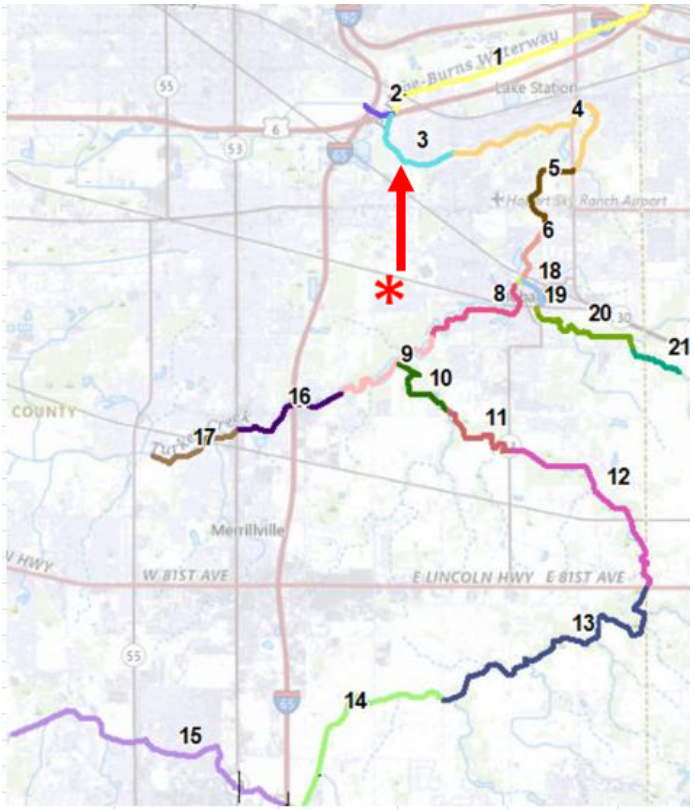


Figure 11: Location of Potential Stinky Creek Diversion Project

Proposed Project:	**Stinky Ck diversion**
Project Description:	**divert approximately 480 Acres of upper Stinky ck basin via pipe to DeepRiver almost 2,000 feet downstream of Michigan St**
Project Location:	**0**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**
Overall Conclusion:	
Water Surface Peak Elevation Decreases:	negligible
Water Surface Peak Elevation Increases:	negligible
Peak Channel Velocity Increases:	negligible
Peak Discharge Increases:	negligible

Figure 12: Summary of Potential Stinky Creek Diversion Project Impacts

5.2.5 LAKE GEORGE DAM MODIFICATIONS

It has been suggested that the Lake George Dam be modified to allow more water to flow downstream sooner in a flood event. The location of this dam is shown in **Figure 13.** This project could have the added benefit of improving recreation and fishing upstream. The full spreadsheet for evaluating this project is included in **Appendix 11**.

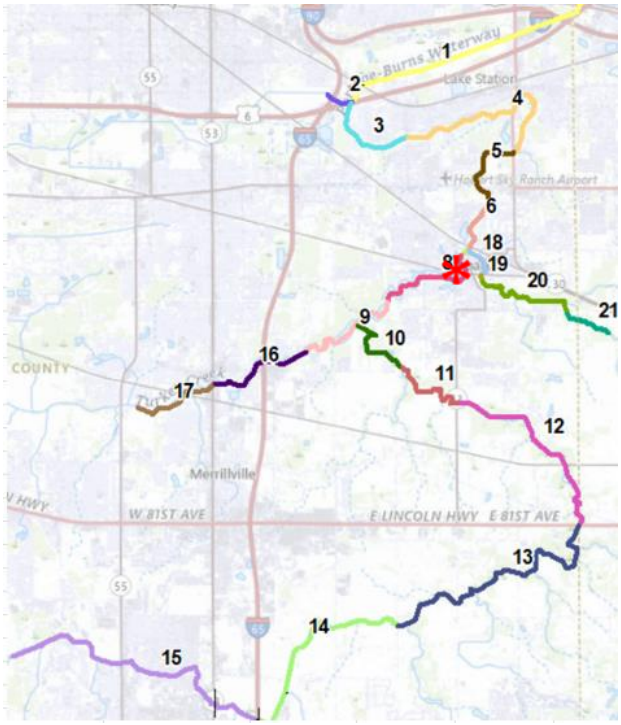


Figure 13: Location of Potential Lake George Expansion Project

A February 2023 report by SEH looked at drawdowns and various spillway sizes and elevations. Drawdowns were noted as having several issues such as potential for misoperation, potential for drawdowns to happen too soon, exposure of seawalls, and the need for a lot of work to manage the drawdowns. Wider spillways were noted as an option that would lower peak elevations. The evaluation noted that additional conveyance provided more benefit than drawdown capability. A wider spillway is currently limited by Ridge Road.

The previous study provides some good information but does not tell the impact on water surface elevations very far downstream. A 220-ft-long spillway option extending the current spillway to the southeast and including excavation downstream to accommodate the additional width was input to the model. Results of this option are noted **Figure 14.** Results of also increasing the Ridge Road bridge flow area by 1/3 are shown in **Figure 15**. The full spreadsheet for evaluating this project is included in **Appendix 12.**

Proposed Project:	**increase Lake George Outlet**
Project Description:	**approximately double width of outlet weir**
Project Location:	**Lake George outlet structure**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**
Overall Conclusion:	
Water Surface Peak Elevation Decreases:	2.0 ft at dam tapering to 0 by Turkey Ck at Broadway and Deep River at Grand Blvd (north crossing), reaches 8, 9 and 10
Water Surface Peak Elevation Increases:	up to 0.1 ft downstream of the outlet to Burns Ditch and to Duck Ck at 5th St, reaches 1-7, 19
Peak Channel Velocity Increases:	some increases upstream of outlet through Lake George, reach 8
Peak Discharge Increases:	some increases that translate into higher stages

Figure 14: Summary of Potential Lake George Spillway Expansion Project Impacts

Proposed Project:	**increase Lake George Outlet and d/s Ridge Rd**
Project Description:	**approximately double width of outlet weir, increas Ridge Rd by 1/3**
Project Location:	**Lake George outlet structure & Ridge Road**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**

Overall Conclusion:	
Water Surface Peak Elevation Decreases:	2.1 ft at dam tapering to 0 by Turkey Ck at Broadway and Deep River at Grand Blvd (north crossing), 0.2 ft lowering between dam and Ridge Rd, reaches 7, 8, 9 and 10
Peak Channel Velocity Increases:	up to 0.2 ft downstream of the outlet to Burns Ditch and to Duck Ck at 5th St, reaches 1-7, 19
Peak Discharge Increases:	some increases upstream of outlet through Lake George, reach 8
Discharge Increases:	some increases that translate into slightly higher stages

Figure 15: Summary of Potential Lake George Spillway and Ridge Road Expansion Project Impacts

5.2.6 INCREASE/DECREASE RAILROAD FLOW CAPACITY NEAR HARRISON AVENUE, TURKEY CREEK

The railroad upstream of Harrison Avenue on Turkey Creek (BR 22350) could potentially be opened up or constricted to try to improve flood elevations along the stream. A decrease in the opening would allow storage of water in the golf course upstream. An increase may get flow out of the area faster. The existing railroad opening was reduced by half in one run of the model and increased by half again in another model. The location of this railroad is shown in **Figure 16**. A summary of results is provided in **Figure 17** and **Figure** 18, respectively. The full spreadsheet for evaluating this project is included in **Appendix 13** and **14**.

Additional information gained from the model water surface profile is that control of the flow capacity downstream of the railroad is not so much the railroad as downstream on either side of Broadway/SR 53 where the floodplain is very narrow compared to surrounding reaches.

Figure 16: Location of Proposed Railroad near Harrison Street Changes

Proposed Project:	**Harrison RR capacity increase**
Project Description:	**increase RR opening by about 1/2 again**
Project Location:	**Turkey Ck near Harrison Street**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**

Overall Conclusion:	
Water Surface Peak Elevation Decreases:	up to 0.3 ft reduction u/s of RR, reach 17
Water Surface Peak Elevation Increases:	negligible
Peak Channel Velocity Increases:	negligible
Peak Discharge Increases:	negligible

Figure 17: Summary of Potential Railroad Capacity Increase Impacts

Proposed Project:	**Harrison RR capacity decrease**
Project Description:	**block half of RR opening (1 span)**
Project Location:	**Turkey Ck near Harrison Street**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**

Overall Conclusion:	
Water Surface Peak Elevation Decreases:	negligible
Water Surface Peak Elevation Increases:	up to 0.8 ft increase u/s of RR, reach 17
Peak Channel Velocity Increases:	negligible
Peak Discharge Increases:	negligible

Figure 18: Summary of Potential Railroad Capacity Decrease Impacts

5.2.7 IMPORTANCE OF STORAGE AREAS

Purchasing and upgrading the capacity of storage areas along the stream corridors has been discussed. One such area is near the confluence of Main Beaver Dam Ditch and Niles Ditch (Summertree Golf Course). Allowing floodwaters to use the area currently cut off from the main channel by a berm reduced the 2019 flood event elevations less than 0.1-foot in the immediate vicinity and the peak discharge less than 15 cfs. While this is negligible on its own, the preservation of existing storage area is imperative to prevent non rainfall related causes from increasing flood elevations. To show the importance of storage areas, a run was made of the existing condition 100-year model with removal of almost all the storage areas used in the model (mostly on Main Beaver Dam Ditch upstream of Niles Ditch). Removal of these areas had the impacts noted in **Figure 19**. The full spreadsheet for evaluating this project is included in **Appendix 15**.

Filling of these storage areas hasn't been suggested. This is just provided to show the importance of existing storage areas. Floodplains are existing natural infrastructure. Replacement with manmade storage is expensive so preservation is crucial.

Proposed Project:	**impact of existing storage areas along main Beaver Dam Ditch**
Project Description:	**remove all existing storage areas south of Lincoln Highway**
Project Location:	**south of Lincoln Highway**
Project Requester:	**NA**
Flood Evaluated:	**100 Yr - 96 Hr**

Overall Conclusion:	
Water Surface Peak Elevation Decreases:	none
Water Surface Peak Elevation Increases:	up to + 5.2 ft at upstream end of Main Beaver Dam Ditch tapering down to almost 0 at Lake George outlet (reaches 15-10), some increase on Turkey Ck (reache 9,16, and 17) and downstream of Lake George (reaches 1-8, 18-21)
Peak Channel Velocity Increases:	up to 2.8 fps increase between u/s end of Main Beaver Dam Ditch and Lincoln Highway (reaches 13-15)
Peak Discharge Increases:	significant increases in reacyes 13-15

Figure 19: Impact of Selected Storage Area Losses

6.0 ADDITIONAL OBSERVATIONS

A summary of additional information discovered/confirmed about the behavior of the watershed is provided in this section to give an idea of information that can be gained from the modeling. This information includes restrictive structure identification, floodplain extents, flow changes, and storage along Main Beaver Dam Ditch.

A review of the peak elevation profile for all reaches was made to identify restrictive structures. Many thought that Ridge Road downstream of the Lake George outlet was a restriction. The model showed it to have less than a half foot drop across it at the maximum elevations in the 100-year flood. More significant losses across bridges included two railroads between Duck Creek and Turkey Creek as well as the railroad upstream of Ainsworth Road on Deep River upstream of Lake George. Taft Street at the upstream end of Turkey Creek is the other bridge that shows a larger drop in peak water surface elevation from the upstream to downstream side. There is also a large drop in water surface elevations from upstream of Broadway on Turkey Creek to downstream, but this is caused by development that has likely narrowed the floodplain significantly, thus creating the restriction. Of all the bridges on all the modeled streams, Fifth Street on Duck Creek is the only restrictive bridge that creates much attenuation of flow through the structure. The 870 cfs on the upstream side is reduced to 720 cfs on the downstream side.

Often, identification of restrictive structures is done with the thought of enlarging the opening to reduce upstream elevations. It should be remembered that increasing the flow area to lower upstream elevations may increase peak flows and elevations downstream. Depending on the steepness of the water surface profile, the upstream reduction may only extend a short distance and therefore provide benefit over a very short distance upstream but increase flood elevations for a longer distance downstream.

Attenuation of downstream flow in the modeled reaches seems to be accomplished more by water leaving the channel to enter large storage areas than by bridge restrictions. This is the case upstream of SR 51/ Ripley Street (downstream of 37th Avenue) where the overbank storage accepts enough flow to drop the peak discharge in the stream from 5,810 to 5,590 cfs.

Gage data and the modeling indicate that Little Calumet River does not contribute much to Deep River/Burns Ditch flow until after Deep River begins to recede.

The highest 100-year discharge in the stream system modeled is about 6,000 cfs upstream of SR51/Ripley Street downstream of 37th Avenue. Instead of increasing with additional drainage area as it proceeds downstream, the discharge decreases to as low as 5,100 cfs with little change until the confluence with East Arm Little Calumet River near Lake Michigan.

Downstream of Lake George, water surface elevations stay within a half-foot of the 100-year flood peak for 12-24 hours. Longer times were noted upstream along Main Beaver Dam Ditch. This watershed is an intricate system of changing flow affecting stages, which in turn affects flow capacity, which affects discharge and filling and draining of storage areas, which affects stages, and in turn affects flow capacity. The storage area impact is more along Main Beaver Dam Ditch than in other reaches of the model.

The floodplain extents identified in this study are not that much different than the FIS extents. This is probably due to steep valley walls that don't allow floodplain extents to increase horizontally with vertical increases. Lake Station in the vicinity of the new riffle dam is one area without the steep valley wall and thus an increased floodplain extent. A couple other small areas also exist.

The Burns Ditch portion of the model is affected by the assumed elevation of Lake Michigan. Since Lake Michigan caused model fluctuations in this reach, this portion of the model should not be used to get more than a general idea of impact in the reach until more detailed data for storage area connections and applicable Lake Michigan elevations can be obtained.

7.0 REFERENCES

Bridge data (some with 2015 survey data) per IDNR MR-33791, October 2016.

Du, J. 2011. NCEP/EMC 4KM Gridded Data (GRIB) Stage IV Data. Version 1.0. UCAR/NCAR - Earth Observing Laboratory, accessed June 2023.

FW-26066 closed DNR permit file for Lake George Dam.

IDNR FARA model #3045 for Burns Ditch (included IDNR 2001 survey data).

Lake County Flood Insurance Study models obtained from IDNR, various.

Metropolitan Water Resources District HECRAS model of Little Calumet River, 2009.

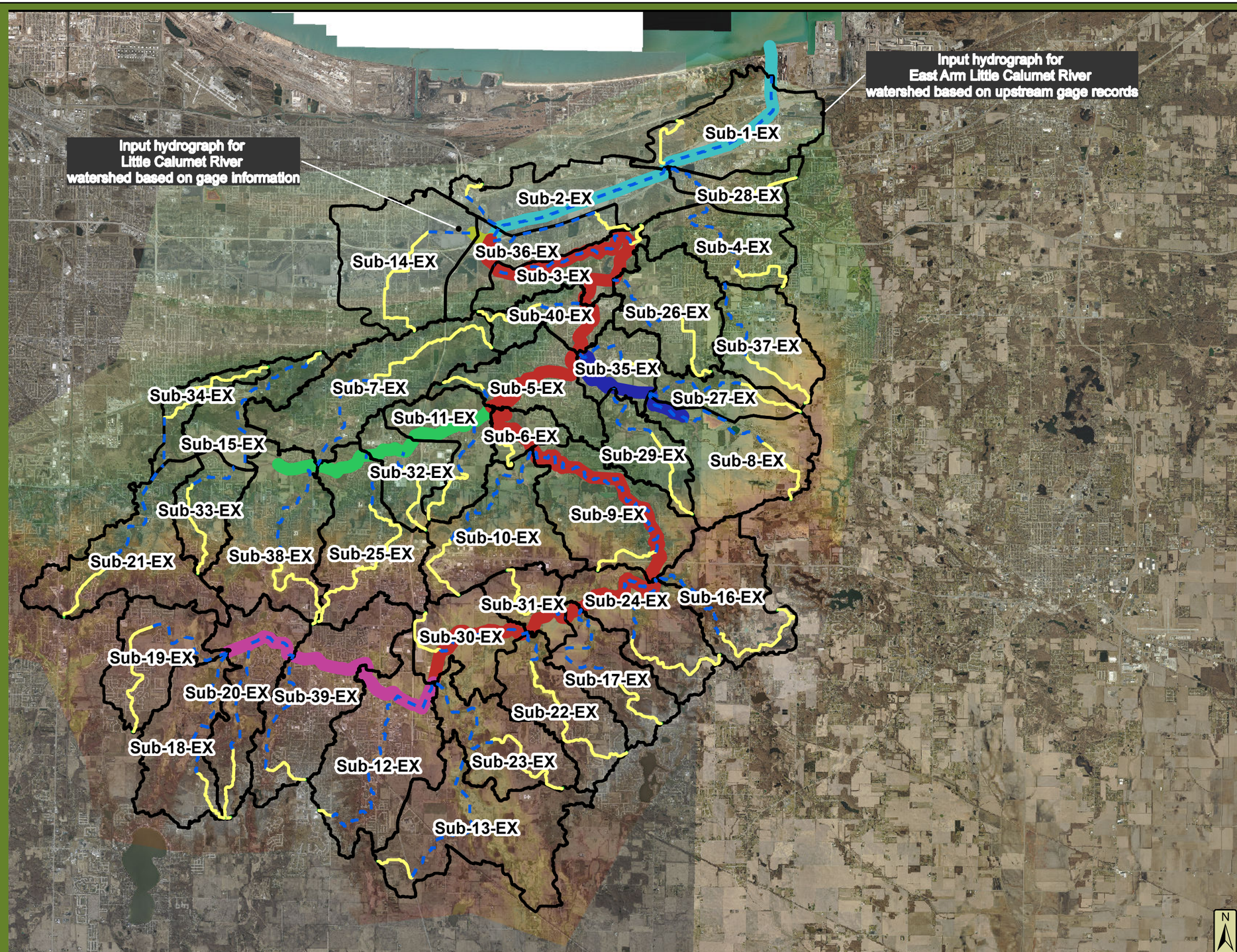
NOAA Atlas 14 rainfall depths and distributions.

Plans from IDNR floodway permit files obtained from Unity database.

Survey of old Lincoln highway and railroad by Garcia Consulting for Little Calumet River Basin Development Commission, October/November 2023.

USGS streamflow gage data obtained from the internet for various area gages (Portage Burns Waterway at Portage, Burns Ditch at lake Station, Deep River near Liverpool, Deep River at Lake George outlet, Deep River near Merrillville, Turkey Creek at Merrillville, Little Calumet River near Lake Station, Salt Creek near McCool, Little Calumet River at Porter).

EXHIBITS



Legend

- Channel Flow
- Shallow Concentrated Flow
- Sheet Flow
- Subbasins

Studied Streams

- Burns D
- Deep R
- Duck Ck
- L Calumet R
- Main Beaver Dam D
- Turkey Ck

Note:

1) Porter County 2016-2018 Indiana Statewide Imagery Program, 6 Inch Resolution Digital Orthoimagery, www.indianamap.org, 2018

2) Lake County 2016-2018 Indiana Statewide Imagery Program, 6 Inch Resolution Digital Orthoimagery, www.indianamap.org, 2023

2) 2011-2013 Indiana Statewide Imagery and LiDAR Program, Nominal Pulse Spacing Distance 1.0 meter, Derived from LiDAR, www.indianamap.org, 2013 (for upstream channel data)

3) 2016-2018 Indiana Statewide Imagery and LiDAR Program, Derived from USGS 3DEP QL2 LiDAR Data, www.indianamap.org, 2018

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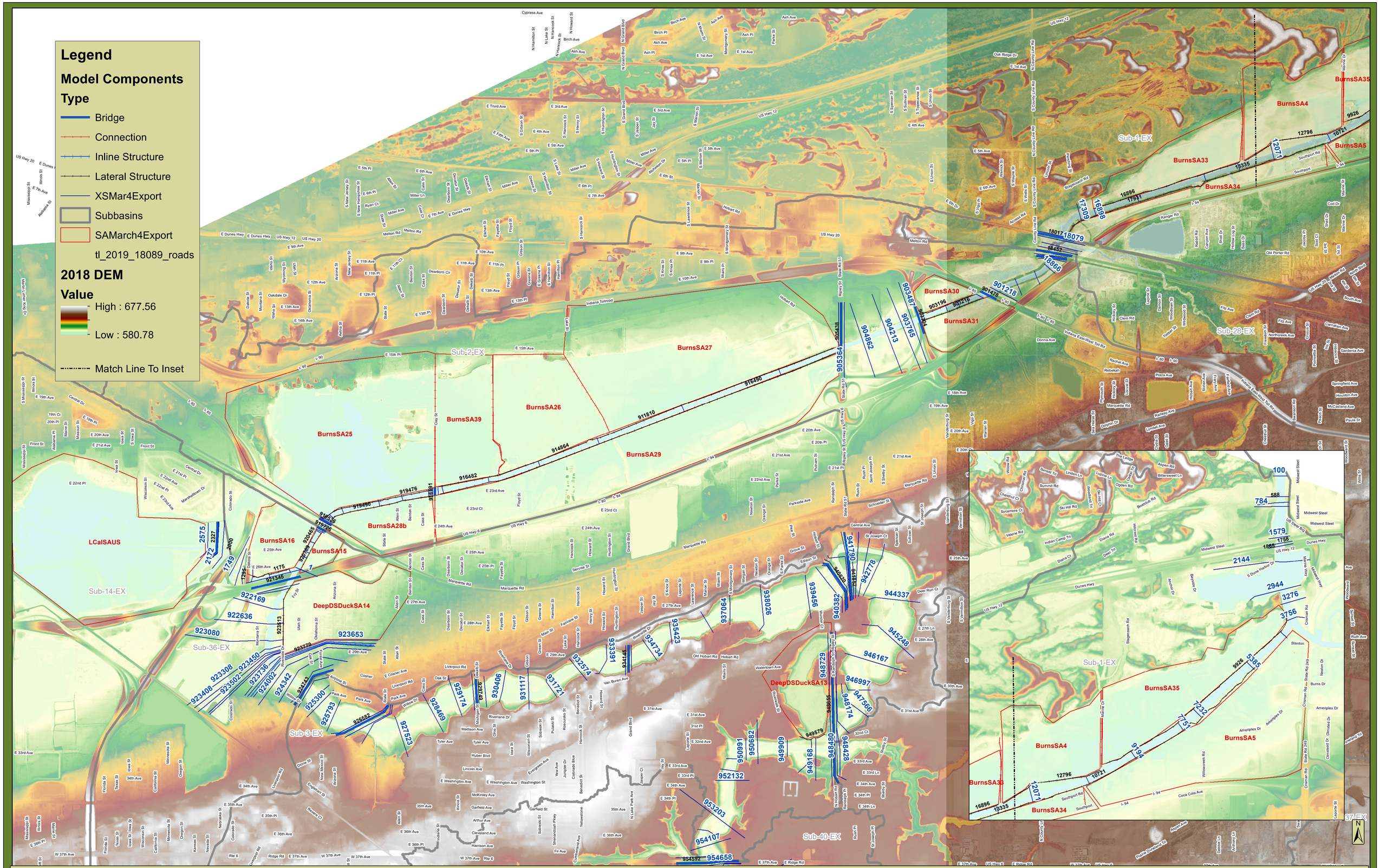
PROJECT: Deep River Watershed Study	PROJECT NO. 16-0588 .00006	APPROX. SCALE NTS	
TITLE: Hydrologic Model Data		DATE: 06/2024	
		EXHIBIT 1	



Note:
1) 2011-2013 Indiana Statewide Imagery and LiDAR Program, Nominal Pulse Spacing Distance 1.0 meter, Derived from LiDAR, www.indianamap.org, 2013 (for upstream channel data)
2) 2016-2018 Indiana Statewide Imagery and LiDAR Program, Derived from USGS 3DEP QL2 LiDAR Data, www.indianamap.org, 2018

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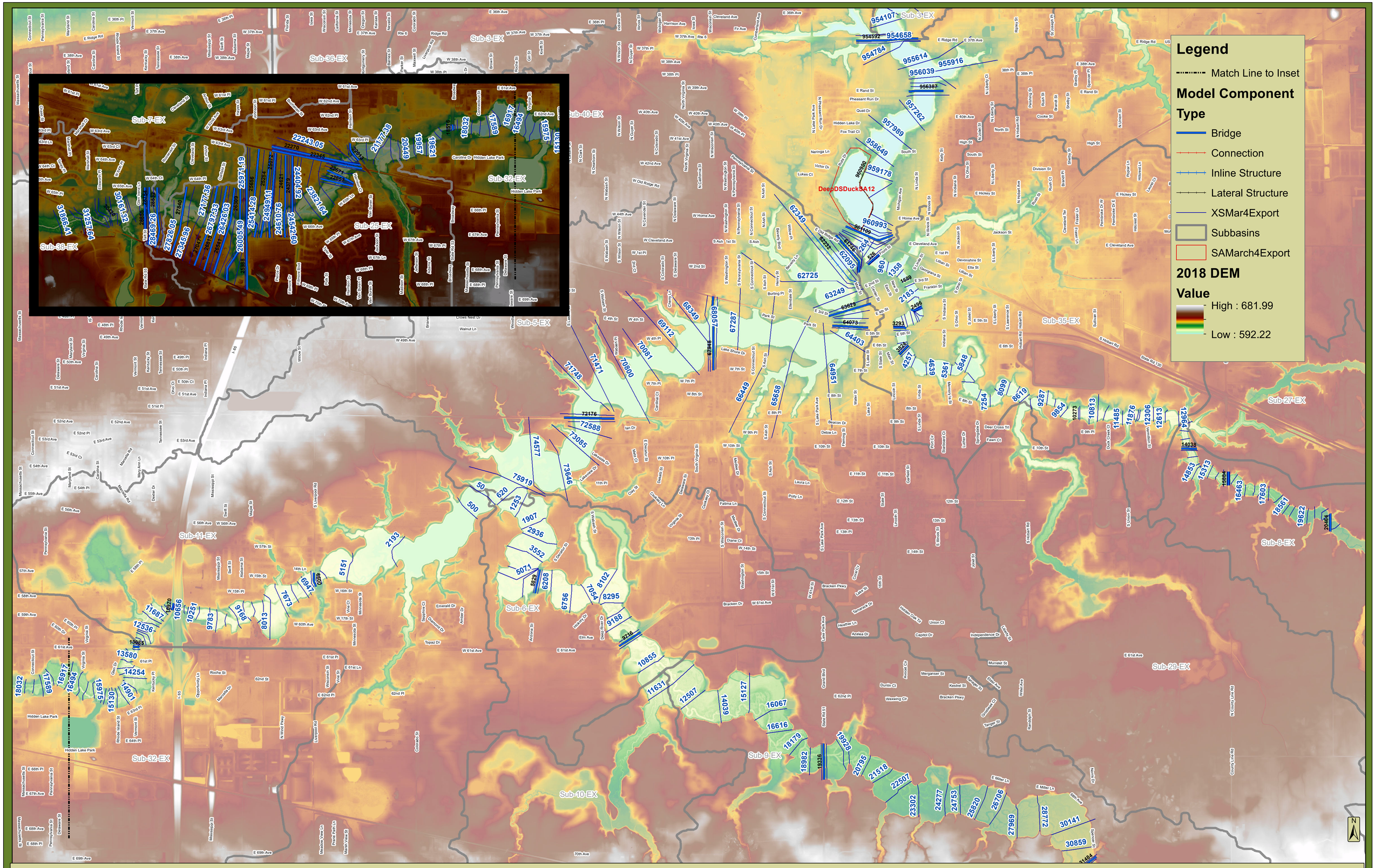
PROJECT: Deep River Watershed Study	PROJECT NO. 16-0588 .00006	APPROX. SCALE 1"=1,000'
TITLE: Hydraulics Workmap	DATE: 06/2024	
	EXHIBIT 2a	



Note:
1) 2011-2013 Indiana Statewide Imagery and LiDAR Program, Nominal Pulse Spacing Distance 1.0 meter, Derived from LiDAR, www.indianamap.org, 2013 (for upstream channel data)
2) 2016-2018 Indiana Statewide Imagery and LiDAR Program, Derived from USGS 3DEP QL2 LiDAR Data, www.indianamap.org, 2018

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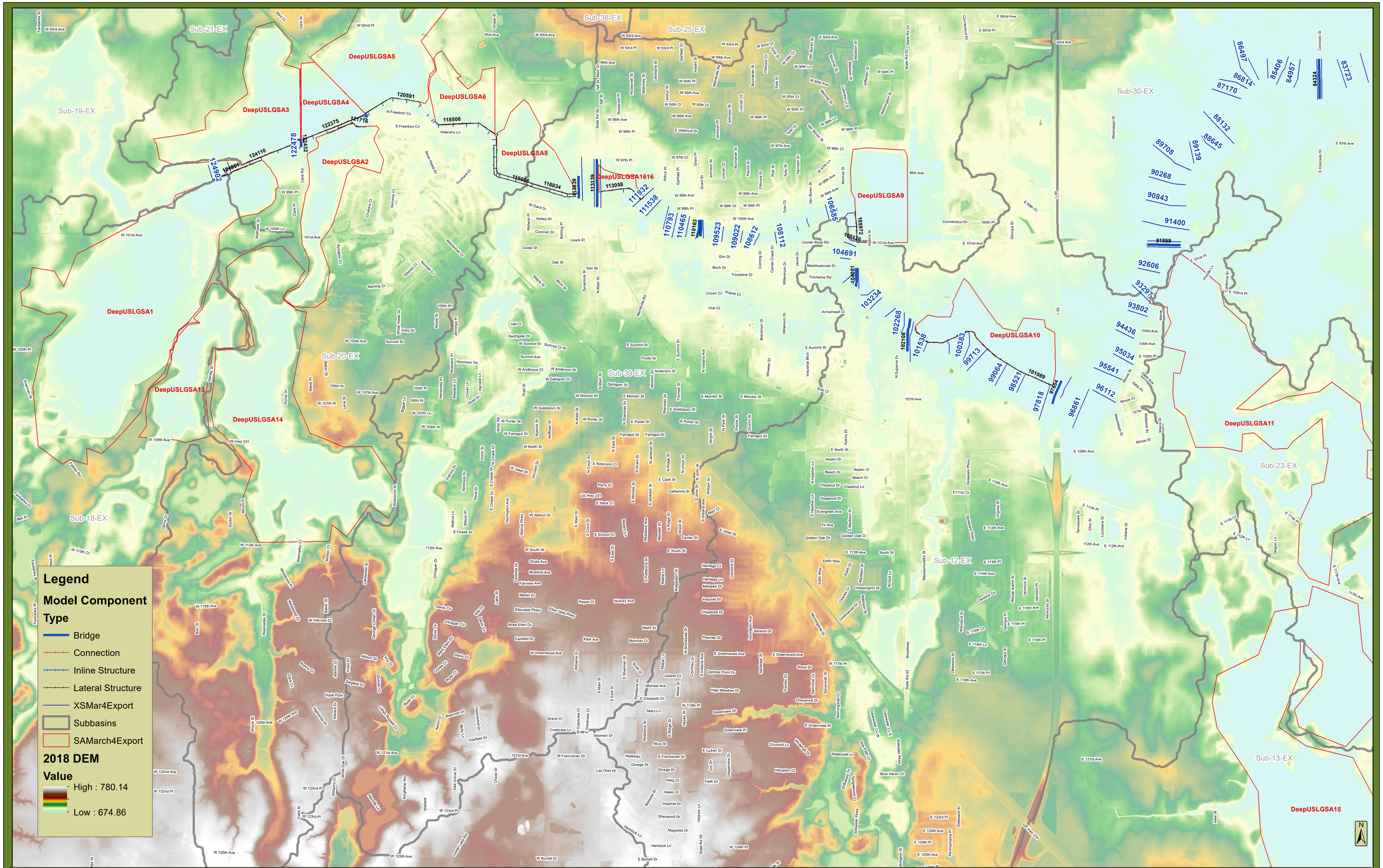
PROJECT: Deep River Watershed Study	PROJECT NO. 16-0588 .00006	APPROX. SCALE 1"=1,000'
TITLE: Hydraulics Workmap		DATE: 06/2024
		EXHIBIT 2b



Note:
1) Porter County 2016-2018 Indiana Statewide Imagery Program, 6 Inch Resolution Digital Orthoimagery, www.indianamap.org, 2018
2) Lake County 2021-2024 Indiana Statewide Imagery Program, 6-inch Resolution Digital Orthoimagery, www.indianamap.org, 2022
3) 2011-2013 Indiana Statewide Imagery and LiDAR Program, Nominal Pulse Spacing Distance 1.0 meter, Derived from LiDAR, www.indianamap.org, 2013 (for upstream channel data)
4) 2016-2018 Indiana Statewide Imagery and LiDAR Program, Derived from USGS 3DEP QL2 LiDAR Data, www.indianamap.org, 2018

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PROJECT:	PROJECT NO.	APPROX. SCALE
Deep River Watershed Study	16-0588 .00006	1"=1,000'
TITLE: Hydraulics Workmap	DATE: 06/2024	EXHIBIT 2c

APPENDIX 1: BRIDGE DATA SOURCES

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
TurkeyCreek	TurkeyCk	30420	Un-Nammed Road		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	28855	Taft Street		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	28754	Taft Street		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	28532	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	27840	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	27047	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	26813	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	26541	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	26309	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	25988	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	25656	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	25254	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	25072	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	24621	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
TurkeyCreek	TurkeyCk	24379	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	22853	Golf Cart Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	22671	Golf Cart Bridge #15		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	22345	Grand Trunk Railroad	Previous CBBEL IDNR Model	unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	22270	Golf Cart Bridge #16		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	22013	Harrison/Maddison St		unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	18516	Broadway, SR 53	engineering plans provided by WSP to CBBEL in 2023 for bridge maintenance. Bridge deck elevation was determined using 2018 topo. Low chord was estimated from typical section. Pier was inputted from typical section.	unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	13085	61st Avenue	(Deck thickness taken from FIS). Internal XS input using 1998 county contours.	unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	10970	I-65 ramp	Plans acquired from INDOT.	unchanged from 2008 conditions	unchanged from 2008 conditions
TurkeyCreek	TurkeyCk	10800	I-65 ramp	Plans acquried from INDOT.	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
TurkeyCreek	TurkeyCk	6600	Liverpool Road	(Low chord taken from FIS). Internal XS inputted using 1998 county contours. Can see two piers from aerial imagery (assumed 2ft width). Bridge skewed 17 degrees.	unchanged from 2008 conditions	unchanged from 2008 conditions
LCal	LCal	2327 2330	farm bridge	from COE project model. no pier visible on google earth so did not include that from the COE data., invert adj same as others along L Cal	unchanged from 2008 conditions	unchanged from 2008 conditions
LCal	LCal	2000	I-65 ramp	base on 2018 plans from INDOT of proposed and existing culverts. 2008 would have been the existing so that is used here, from 10/2019 google earth it looks like work to slip line was in progress so assuming old pipe still appropriate for 2019 flood but sliplined after that (sliplined size did not get used in existing condition modeling).TRD from 2018 DEM	unchanged from 2008 conditions	unchanged from 2008 conditions
LCal	LCal	1300	Dakota/Colorado St	culvert from COE L Calumet project model, estimated TRD since above BFE	unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	20464	CR 750 W		unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Duck Ck	DuckCk	15884	County Line Road		unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	14038	E 10th Street		unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	10273	Pedestrian Bridge		unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	3824	RR trail	TRD from 2018 DEM, opening from FIS adj to NAVD (-.29). Structure is actually 2 roughly 12 by 8 CMPS	unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	3408	5th St	TRD from DEM, opening from FIS adj to NAVD (-.29)	unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	3293	RR	TRD uses DEM, opening from FIS adj to NAVD 88 (-.29)	unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	2496	school bridge	TRD from DEM, opening from FIS adjto NAVD (-,29)	unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	1689	3rd St, SR 51	DNR has permit for replacement but can't find it, INDOT doesn't have, use CBBEL survey data	unchanged from 2008 conditions	unchanged from 2008 conditions
Duck Ck	DuckCk	526	Front St	TRD from DEM, bridge opening from FIS, adj to NAVD (-0.29)	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USLakeGeorge	122432	Clark Road	opening from permit FW18820 (1998), adj to NAVD, TRD from DEM, internal estimated based on FW18820 model channel's low flow part which was inserted into the DEM data at the bridge, 225' of guard rail added at 2.5' tall based on 2022 aerial and 2005 google earth	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	120630	RR	opening based on FIS adj to NAVD, TRD from 2018 DEM, internal FIS used to add low flow channel to DEM channel (adj to NAVD) in FW 23208 but looks like same as FIS	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	115800	pedestrian bridge	didn't exist yet	(data from FW22937. bridge added after 2013,bridge deck and LC from FW 22937, added after 2008 but before 2019 floods	unchanged from 2019 conditions
Deep	USLakeGeorge	113639	RR	opening data from FIS adj to NAVD, TRD from DEM then adjustments made to make data make sense, low pt in FIS ch approx same as low pt used in intermal xs	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USLakeGeorge	113139	SR 55, N Main St	TRD from DEM, opening from MR37349 for April 2003 LOMR, added low pts of MR invert for u/s xs (d/s was already lower), assumed already NAVD (2015 rehab plans have LC 687.6 & flow line 677.5 NGVD since from 1983 plans. 2019 survey applies to 08 and existing.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	110163	trail at Grant St	estimated based on Google Earth photos, TRD away from channel based on 2018 DEM	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	110094	Grant St, Merrillville Road	bridge LC & size & internal from 1989 plans from county adjusted to NAVD, TRD from DEM away from channel,	unchanged from 2008 conditions	unchanged from 2008 conditions
		105176	101st St, Center Ross Rd	TRD from DEM, cuvert data from FW 17103 PR (1995) adj to NAVD, no railing type structure visible on aerial	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USLakeGeorge	104001	Madison St	FIS bridge has been replaced. used 1988 plans from county converting to NAVD based on difference of profile on plans and same location on road per DEM (584,3' diff)LC and internal section and piers from plans, TRD from DEM, asked for survey of LC to confirm datum (Nov 2023 survey showed LC left 683.3 and 683.1 on the right and 682.9 in the middle so matches the assumptions made here.)	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	102108	Brodaway, SR 53	FIS bridge does not match the aerial so use B14302 (1992) data for opening & DEM for overbanks. B14302 & FW25600 did not have plans or model but showed piers, report provided LC & spans & abutment slope. THen found INDOT 1996 plans so used these for bridge opening and internal xs. Piers assumed 1' diameter. bridge is skewed 35 degrees but bounding xs are cut perpendicular to channel flow	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USLakeGeorge	97654	I-65	TRD from DEM, bridge LC, piers, opening width from FW 24563 EX adj to NAVD, internal opening from DEM near bridge, lower channel info from plans?	bridge extended so bridge width and upstream elgnths revised	unchanged from 2019 conditions
Deep	USLakeGeorge	91899	101st Avenue	TRD from 2013DEM, LC & br width from FW27731adj to NAVD, internal from county plans assumed to be NGVD like the permit plans (county plans are dated 2011 vs permit plans dated 2014 but county plans had more detail on the opening so used that), estimated 2.5' high solid wall railing	Rehab between 2013 & 2015, TRD from 2013DEM, LC & br width from FW27731adj to NAVD, internal from proposed on county plans assumed to be NGVD like the permit plans (county plans are dated 2011 vs permit plans dated 2014 but county plans had more detail on the opening so used that), estimated 2.5' high solid wall railing	unchanged from 2019 conditions
Deep	USLakeGeorge	84324	Colorad St	use existing in plans from County (assumed datum NGVD so adj to NAVD) for LC, internal	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	78346	Clay St	TRD from DEM, pier locations measured on aerial, pier width est from SI&A photos, LCfrom FW 24815 assumed NGVD so adj to NAVD County plans for internal.	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USLakeGeorge	75368	private crossing	estimate as 18" slab at grade based on aerial & topo, no railing per 2013 aerial	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	70997	Grand Blvd	TRD from DEM, LC, piers,internal section from 2010 PR condition plans from County (NGVD so converted to NAVD)	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	62115	Randolph St	TRD from DEM,1988 plans from county for bridge opening & internal, adj to NAVD 88	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	46438	Lincoln Hwy, US30, 81st Ave	plans from INDOT 2018 plans confirm same opening as 1978 plans except that openings were connected. Therefore using FIS data for LC since shape agrees. internal roughly from plans adjusting bounding section inverts.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	43875	old Lincoln Hyw	Nov 2023 survey data	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	43422	pedestrian bridge	assumed from aerial, 18" deck & 3' railing, TRD from DEM	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	42998	Pedestrian Bridge	estimated from aerial, 3' railing, 18" deck, span channel	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	37631	RR	data from Nov 2023 survey. has walkway built above water thru west opening estimated from survey & aerials	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USLakeGeorge	31484	Ainsworth Rd	TRD from DEM, bridge opening and internal from 1991 plans from county adj to NAVD	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	19336	Grand Blvd, SR 51	TRD from DEM bridge opening and internal from INDOT 2022 rehab plans assuming uses previous datum so adjust to NAVD	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	9716	Bracken Dr, 61st Ave	TRD from DEM, LC from county 2014 rehab plans adj to NAVD, internal from FW27548 (bridge xs 50) proposed condition geometry adj to NAVD, like most others this doesn't include guardrail	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USLakeGeorge	5829	Arizona St, TRD from	TRD from DEM, LC & opening & internal from FIS in FW27548 (br 45.5) confirmed & revised pier stationing from 2023 preliminary rehab plans from county adj to NAVD, railng 200 ft long per 2013 aerial assumed at 2.5' high	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USDuck	72176	RR trail	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USDuck	67948	Wisconsin St	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	USDuck	64073	RR trail	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USDuck	63629	3rd St	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	based on plans from PL23416
Deep	USDuck	62232	Lake George Dam	crest from DEM & LFA spreadsheet data, high part due to buildings, elev of str over spillway estimated from LFA permit	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	USDuck	61746	Ridge Road	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	961109	RR	Embankment data from LiDAR-based DEM, bridge info from SEH survey. but invert adjusted per RR bridge plan showing pre construction arch	Embankment data from LiDAR-based DEM, bridge info from asbuilts (with estimate of portion that drone video of flooding shows is not quite finished)	unchanged from 2019 conditions
Deep	DSDuck	956387	Rand St, 39th Ave	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	954592	37th Ave	use SEH model data as it matches aerial width and spans. SEH model said bridge info from duplicate effective model (with	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
				datum adjustment). , skew 24 degrees		
Deep	DSDuck	948655	SR 51	imported w/ sections 2 & 3 from SEH Corrected Effective model SEH comments: State Route 51 (South Crossing) -- Deck manually adjusted for 45 degree skew -- Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	941852	SR 51	import from SEH CE model SEH comments: State Route 51 (North Crossing) -- Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	940620	Putnam St pedestrian bridge	used SEH CE import of just the bridge except revised the ROB top of road to match 2018 DEM. SEH comments: Putnam Street Pedestrian Bridge -- Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	DSDuck	934145	Grand Blvd	imported from SEH CE, SEH comments: Grand Boulevard -- Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	929749	Michigan St	import from SEH CE, SEH comments: Michigan Street -- Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	926582	RR trail	Railroad -- Embankment data from LiDAR-based DEM, bridge info from SEH survey then pier widths changed to match aerial and bridge skewed 40 degrees since SEH opening matched the unskewed opening length	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	924743	Liverpool Road	Embankment data from LiDAR-based DEM, bridge info from SEH survey.	unchanged from 2008 conditions	unchanged from 2008 conditions
Deep	DSDuck	923770	Lake Station Dam	from SEH existing condition model which is before the 2020 work. u/s & d/s xs from 2018 DEM before new structure work done.	unchanged from 2008 conditions	from FW 30551 plans
Deep	DSDuck	923475	Pedestrian Bridge	did not exist	did not exist	based on FW 30551 plans

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Deep	DSDuck	921345	I-80/94	bridge opening from FW 23945 plans for rehab. previous model used FIS bridge which was replaced before 2008	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	919726	Central Ave	Central Avenue -- Embankment data from LiDAR-based DEM, bridge info from current DNR FARA model (2001 survey if used). doesn't match 2022 aerial opening width or likely piers. probably is FIS data so may need find more recent ..FW30551REP had 2018 survey data for bridge deck, low cord, pier info	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	919536	RR	Railroad -- Embankment data from LiDAR-based DEM, bridge info from current DNR FARA model. opening width matches 2022 aerial, pier widths changed based on aerial to both be same width deck, low cord, pier info updated to SEH survey from FW30551 model	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Burns	Burns	916591	Clay St	Clay Street -- Embankment data from LiDAR-based DEM, had used bridge info from current DNR permit model 1436 but now find SEH survey data in a model so using that (FW30551). matches 2022 aerial, add 100 to OB elev to block flow in OB since is SA with connector across the bridge road	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	905438	SR 51	Embankment data from LiDAR-based DEM, bridge data from FARA model 3045 which used DNR 2001 survey but current aerial shows larger probably due to work after 2007 GN 20801 GN would not be permit so this would still apply to 2008 fllod.GN was also closed and bridge work postponed.	Embankment data from LiDAR-based DEM, bridge data fromFW28157	unchanged from 2019 conditions
Burns	Burns	903304	Toll Road Exit 4	Toll Road Exit 4 -- Embankment data from LiDAR-based DEM, bridge data from FARA model 3045 which used 2001 DNR survey whcih agrees w/ 2022 aerial then went to FW30551 existing condition model data supposedly from SEH survey for bridge deck, low cord, pier info	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Burns	Burns	901478	Toll Road	Toll Road -- Embankment data from LiDAR-based DEM, bridge data from FARA model 3045 whcih used 2001 DNR survey 2022 aerial agrees since model skews data, then went to FW30551 data that says uses SEH survey data after the FARA	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	18571	private road	private, FARA model 3045 br 22098.5says this is abandoned RR but i think aerial looks like a lower shallower bridge placed after RR was removed. Only data is from FARA so used that. 2018 DEM used for internal ch with invert adjusted to FARa approximately then went to FW30551 data that says was from 2018 survey	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	18452	US 20	US 20FARA 3045 br 21985 matches FW30739 rehab plans, keep 2018 DEM overbank info then switch to FW30551 existing data supposedly from 2018 survey for bridge data	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	18017	RR	RR d/s US 20, opening from FARA nodel 3045 br21511.5, rest from 2018 DEM, then FW30551 data that supposedly from 2018 survey for bridge	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Burns	Burns	1865	US 12	US12 E & W bound as 1 bridge, opening from FARA model 3045 br4882 which matches INDOT plans for rehab, rest from 2018 DEM then changed to FW 30551 data from 2018 survey with width and pier spacing skeded in excel Ofrom east bound bridge) - just used low chord elev since don't have skew calcs to verify unskewed width and looked similar	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	1758	South Shore Line RR	SouthShore Line RR copied from FARA model 3045 br 4722 that mentions using FIS data and remmoving pier that was not visible. permitted under FW17633 which says is 3 span (33/135/33) on H pile bents & LC raised 2.5 ft but no plans were in the Unity files, revised invert based on step down to d/s bridge that had DNR permit plans, then switch to FW 30551 bridge data from 2018 survey and inverts by same model bathymetry data on xs	unchanged from 2008 conditions	unchanged from 2008 conditions

River	Reach	Bridge Station	Feature	Data Source		
				2008	2019	existing July 2023
Burns	Burns	1634	Norfolk & Southern RR	RR North of Hwy 20 and NICTD. data from FW 30551 that used: Bridge data from 2018 survey. Embankment data from LiDAR. Bridge width and peir spacing skewed (in excel) Momentum Modeling Approach not used because it caused erroneous results (too much drop/rise). Likely due to piers being too wide for equations.	unchanged from 2008 conditions	unchanged from 2008 conditions
Burns	Burns	588	Midwest Steel	midwest Steel matches distance to FARA 3045 private bridge at 3522 so used the FARA data for bridge openig but approx TRD from DEM at approaches cross bridge. per aerial, looks like could be bigger bridge now but found no permit fils at DNR, revise invert based on u/s bridge that had DNR permit plans then went to Riverwalk Drive bridge data from 2018 survey in FW 30551 model. Pier info and span is from the railroad portion of the bridge on the upstream side - this is the most restrictive. Width include	unchanged from 2008 conditions	unchanged from 2008 conditions

APPENDIX 2: INFLOW POINTS FROM HYDROLOGIC MODEL

RAS Input Location				Hydrograph Source	
river	reach	element		path	multiplier
Burns	Burns	901966		Sub-2-EX	0.34
Burns	Burns	18249		J_MELTONRDTribMouth	
Burns	Burns	4161		estimated by L Calumet R at Porter gage event hydrograph times 1.817 per analysis of gages when both were recording	1.07
Burns	Burns	3276		SUB-1-EX	0.43
Burns	Burns	0		Lake Michigan mean monthly elevation for event month	
Deep	USLakeGeorge	124902		SUB-19-EX	
Deep	USLakeGeorge	120117		SUB-20-EX	0.16
Deep	USLakeGeorge	115310		SUB-39-EX	0.32
Deep	USLakeGeorge	114397		SUB-39-EX	0.47
Deep	USLakeGeorge	103234		SUB-12-EX	.17
Deep	USLakeGeorge	99713		SUB-12-EX	.43
Deep	USLakeGeorge	96861		SUB-12-EX	.28
Deep	USLakeGeorge	93802		SUB-12-EX	.03
Deep	USLakeGeorge	91814		SUB-30-EX	
Deep	USLakeGeorge	77566		SUB-22-EX	
Deep	USLakeGeorge	76478		SUB-31-EX	0.29
Deep	USLakeGeorge	68193		SUB-17-EX	
Deep	USLakeGeorge	66864		SUB-24-EX	
Deep	USLakeGeorge	50734		SUB-16-EX	
Deep	USLakeGeorge	45906		SUB-9-EX	
Deep	USLakeGeorge	12507		SUB-10-EX	
Deep	USLakeGeorge	8295		SUB-6-EX	
Deep	USDuck	75919		SUB-5-EX	
Deep	DSDuck	954784		SUB-40-EX	.44
Deep	DSDuck	954427		SUB-40-EX	.56
Deep	DSDuck	948480		SUB-26-EX	
Deep	DSDuck	935423		SUB-3-EX	
Deep	DSDuck	923080		SUB-36-EX	0.407
Duck Ck	DuckCk	20671		SUB-8-EX	
Duck Ck	DuckCk	13279		SUB-27-EX	
Duck Ck	DuckCk	12613		SUB-35-EX	
Duck Ck	DuckCk	8833		SUB-29-EX	
TurkeyCreek	TurkeyCk	33749		J3	
TurkeyCreek	TurkeyCk	33401		SUB-38-EX	0.35
TurkeyCreek	TurkeyCk	29712		SUB-38-EX	0.65
TurkeyCreek	TurkeyCk	28469		SUB-7-EX	
TurkeyCreek	TurkeyCk	21177		SUB-25-EX	
TurkeyCreek	TurkeyCk	15724		SUB-32-EX	
TurkeyCreek	TurkeyCk	2193		SUB-11-EX	
		BurnsSA 25		SUB-2-EX	.238
		BurnsSA 26		SUB-2-EX	0.062
		BurnsSA 27		SUB-2-EX	0.172
		BurnsSA 28b		SUB-2-EX	0.021
		BurnsSA 29		SUB-36-EX	0.5
		BurnsSA 29		SUB-2-EX	0.5
		BurnsSA 33		SUB-1-EX	0.16
		BurnsSA 34		SUB-1-EX	0.24
		BurnsSA 39		SUB-2-EX	0.063
		BurnsSA 4		SUB-1-EX	0.09

RAS Input Location				Hydrograph Source	
river	reach	element		path	multiplier
		BurnsSA 5		SUB-1-EX	0.07
		DeepDSDuckSA14		SUB-36-EX	0.593
		DeepUSL GSA 1		SUB-18-EX	0.64
		DeepUSLGSA10		SUB-12-EX	0.09
		DeepUSL GSA 11		SUB-23-EX	
		DeepUSL GSA 12		SUB-31-EX	0.71
		DeepUSL GSA 13		SUB-18-EX	0.36
		DeepUSL GSA 14		SUB-20-EX	0.45
		DeepUSL GSA 15		SUB-13-EX	
		DeepUSL GSA 2		SUB-20-EX	0.08
		DeepUSL GSA 3		SUB-20-EX	0.09
		DeepUSL GSA 4		SUB-20-EX	0.01
		DeepUSL GSA 5		SUB-20-EX	0.11
		DeepUSL GSA 6		SUB-20-EX	0.06
		DeepUSL GSA 8		SUB-20-EX	0.04
		DeepUSL GSA 9		SUB-39-EX	0.21
		LCalSAUS		estimated based on field measurements & comparison of L Calumet R at lake Station and Deep River at Liverpool gage stages when had overlapping record	

APPENDIX 3: HYDROLOGIC MODEL DATA

Project: Deep River

Simulation Run: EX 100Y 96H NOAA 10P ARF

uses AMC 2 values

Simulation Start: 9 July 2023, 24:00

Simulation End: 14 July 2023, 24:00

HMS Version: 4.10

Executed: 16 May 2024, 18:34

Global Parameter Summary - Subbasin

Area (MI2)

Element Name	Area (MI2)
Sub - 8 - EX	6.04
Sub - 13 - EX	8.12
Sub - 18 - EX	5
Sub - 19 - EX	4.21
Sub - 20 - EX	5.07
Sub - 39 - EX	7.16
Sub - 12 - EX	7.82
Sub - 23 - EX	4.42
Sub - 22 - EX	4.56
Sub - 30 - EX	3.8
Sub - 31 - EX	2.1
Sub - 17 - EX	3.79
Sub - 16 - EX	5.2
Sub - 24 - EX	5.19
Sub - 9 - EX	6.54
Sub - 10 - EX	5.77
Sub - 21 - EX	6.43
Sub - 34 - EX	1.7
Sub - 33 - EX	2.65
Sub - 15 - EX	3.13
Sub - 38 - EX	6.97
Sub - 7 - EX	7.32
Sub - 25 - EX	6.3
Sub - 32 - EX	2.78
Sub - 5 - EX	4.12
Sub - 6 - EX	1.43
Sub - 11 - EX	3.69

Sub - 37 - EX	4.01
Sub - 4 - EX	4.12
Sub - 28 - EX	1.95
Sub - 27 - EX	2.24
Sub - 29 - EX	2.81
Sub - 35 - EX	2.36
Sub - 26 - EX	4.66
Sub - 3 - EX	3.14
Sub - 40 - EX	2.59
Sub - 14 - EX	6.98
Sub - 36 - EX	3.24
Sub - 2 - EX	5.46
Sub - 1 - EX	5.77

Downstream

Element Name	**Downstream**
Sub - 8 - EX	J23
Sub - 13 - EX	R13
Sub - 18 - EX	J15
Sub - 19 - EX	J15
Sub - 20 - EX	J14
Sub - 39 - EX	Jun - 2 - EX
Sub - 12 - EX	J12
Sub - 23 - EX	J12
Sub - 22 - EX	J11
Sub - 30 - EX	J11
Sub - 31 - EX	J10
Sub - 17 - EX	J9
Sub - 16 - EX	J25
Sub - 24 - EX	J25
Sub - 9 - EX	J8
Sub - 10 - EX	J8
Sub - 21 - EX	J1
Sub - 34 - EX	J1
Sub - 33 - EX	J2
Sub - 15 - EX	J3
Sub - 38 - EX	J4
Sub - 7 - EX	J5
Sub - 25 - EX	J6
Sub - 32 - EX	J7
Sub - 5 - EX	Lake George
Sub - 6 - EX	Lake George
Sub - 11 - EX	Lake George
Sub - 37 - EX	R23
Sub - 4 - EX	J I80

Sub - 28 - EX	J Melton Rd Trib Mouth
Sub - 27 - EX	J23
Sub - 29 - EX	J24
Sub - 35 - EX	J16
Sub - 26 - EX	J17
Sub - 3 - EX	J17
Sub - 40 - EX	J17
Sub - 14 - EX	J19
Sub - 36 - EX	J19
Sub - 2 - EX	J_MeltonRd
Sub - 1 - EX	J_Mouth

Loss Rate: Scs

Element Name	Percent Impervious Area	Curve Number	Initial Abstraction
Sub - 8 - EX	0	81	0.23
Sub - 13 - EX	0	83.1	0.2
Sub - 18 - EX	0	82.1	0.22
Sub - 19 - EX	0	86	0.16
Sub - 20 - EX	0	84.7	0.18
Sub - 39 - EX	0	87.8	0.14
Sub - 12 - EX	0	87	0.15
Sub - 23 - EX	0	82.9	0.21
Sub - 22 - EX	0	84.1	0.19
Sub - 30 - EX	0	84.2	0.19
Sub - 31 - EX	0	83.3	0.2
Sub - 17 - EX	0	82.6	0.21
Sub - 16 - EX	0	75.2	0.33
Sub - 24 - EX	0	77.2	0.3
Sub - 9 - EX	0	80.8	0.24
Sub - 10 - EX	0	85.5	0.17
Sub - 21 - EX	0	83.9	0.19
Sub - 34 - EX	0	79.3	0.26
Sub - 33 - EX	0	85.5	0.17
Sub - 15 - EX	0	69.9	0.43
Sub - 38 - EX	0	86.3	0.16
Sub - 7 - EX	0	84.9	0.18
Sub - 25 - EX	0	87.3	0.15
Sub - 32 - EX	0	88.1	0.14
Sub - 5 - EX	0	84.6	0.18
Sub - 6 - EX	0	83.9	0.19
Sub - 11 - EX	0	84	0.19
Sub - 37 - EX	0	86.2	0.16
Sub - 4 - EX	0	78.7	0.27
Sub - 28 - EX	0	72.5	0.38
Sub - 27 - EX	0	79.7	0.26

Sub - 29 - EX	0	81.2	0.23
Sub - 35 - EX	0	82.5	0.21
Sub - 26 - EX	0	84.1	0.19
Sub - 3 - EX	0	73.2	0.36
Sub - 40 - EX	0	86.1	0.16
Sub - 14 - EX	0	86.3	0.16
Sub - 36 - EX	0	80.1	0.25
Sub - 2 - EX	0	85.5	0.17
Sub - 1 - EX	0	78.4	0.28

Canopy: Simple

Element Name	Allow Simultaneous Precip Et	Plant Uptake Method	Initial Canopy Storage Percent	Canopy Storage Capacity	Crop Coefficient
Sub - 8 - EX	No	None	1	0.5	1
Sub - 13 - EX	No	None	1	0.5	1
Sub - 18 - EX	No	None	1	0.5	1
Sub - 19 - EX	No	None	1	0.5	1
Sub - 20 - EX	No	None	1	0.5	1
Sub - 39 - EX	No	None	1	0.5	1
Sub - 12 - EX	No	None	1	0.5	1
Sub - 23 - EX	No	None	1	0.5	1
Sub - 22 - EX	No	None	1	0.5	1
Sub - 30 - EX	No	None	1	0.5	1
Sub - 31 - EX	No	None	1	0.5	1
Sub - 17 - EX	No	None	1	0.5	1
Sub - 16 - EX	No	None	1	0.5	1
Sub - 24 - EX	No	None	1	0.5	1
Sub - 9 - EX	No	None	1	0.5	1
Sub - 10 - EX	No	None	1	0.5	1
Sub - 21 - EX	No	None	1	0.5	1
Sub - 34 -	No	None	1	0.5	1

EX					
Sub - 33 - EX	No	None	1	0.5	1
Sub - 15 - EX	No	None	1	0.5	1
Sub - 38 - EX	No	None	1	0.5	1
Sub - 7 - EX	No	None	1	0.5	1
Sub - 25 - EX	No	None	1	0.5	1
Sub - 32 - EX	No	None	1	0.5	1
Sub - 5 - EX	No	None	1	0.5	1
Sub - 6 - EX	No	None	1	0.5	1
Sub - 11 - EX	No	None	1	0.5	1
Sub - 37 - EX	No	None	1	0.5	1
Sub - 4 - EX	No	None	1	0.5	1
Sub - 28 - EX	No	None	1	0.5	1
Sub - 27 - EX	No	None	1	0.5	1
Sub - 29 - EX	No	None	1	0.5	1
Sub - 35 - EX	No	None	1	0.5	1
Sub - 26 - EX	No	None	1	0.5	1
Sub - 3 - EX	No	None	1	0.5	1
Sub - 40 - EX	No	None	1	0.5	1
Sub - 14 - EX	No	None	1	0.5	1
Sub - 36 - EX	No	None	1	0.5	1
Sub - 2 - EX	No	None	1	0.5	1
Sub - 1 - EX	No	None	1	0.5	1

Transform: Clark

Element Name	Clark Method	Time of Concentration	Storage Coefficient	Time Area Method
Sub - 8 - EX	Specified	6.6	22.2	Default

Sub - 13 - EX	Specified	6.2	20.7	Default
Sub - 18 - EX	Specified	6.5	21.7	Default
Sub - 19 - EX	Specified	12.1	40.5	Default
Sub - 20 - EX	Specified	10.6	35.5	Default
Sub - 39 - EX	Specified	6.5	21.6	Default
Sub - 12 - EX	Specified	7.2	24.2	Default
Sub - 23 - EX	Specified	6.3	21.2	Default
Sub - 22 - EX	Specified	7	23.6	Default
Sub - 30 - EX	Specified	6.8	22.9	Default
Sub - 31 - EX	Specified	4.1	13.8	Default
Sub - 17 - EX	Specified	6.3	21	Default
Sub - 16 - EX	Specified	6.1	20.6	Default
Sub - 24 - EX	Specified	5.2	17.3	Default
Sub - 9 - EX	Specified	14.5	48.4	Default
Sub - 10 - EX	Specified	7.1	23.6	Default
Sub - 21 - EX	Specified	6.6	22.1	Default
Sub - 34 - EX	Specified	19.3	64.5	Default
Sub - 33 - EX	Specified	4.9	16.3	Default
Sub - 15 - EX	Specified	8.3	27.6	Default
Sub - 38 - EX	Specified	7.8	26.2	Default
Sub - 7 - EX	Specified	11	36.7	Default
Sub - 25 - EX	Specified	9.2	30.8	Default
Sub - 32 - EX	Specified	3.2	10.7	Default
Sub - 5 - EX	Specified	1.6	5.3	Default
Sub - 6 - EX	Specified	2.5	8.5	Default
Sub - 11 - EX	Specified	3.8	12.8	Default
Sub - 37 - EX	Specified	7.2	24	Default
Sub - 4 - EX	Specified	8.4	28.1	Default
Sub - 28 - EX	Specified	3.6	12.1	Default
Sub - 27 - EX	Specified	4.6	15.5	Default
Sub - 29 - EX	Specified	5.5	18.3	Default
Sub - 35 - EX	Specified	11.4	38	Default
Sub - 26 - EX	Specified	6.8	22.9	Default
Sub - 3 - EX	Specified	5.2	17.4	Default
Sub - 40 - EX	Specified	3.4	11.5	Default
Sub - 14 - EX	Specified	7.3	24.4	Default
Sub - 36 - EX	Specified	5.6	18.6	Default
Sub - 2 - EX	Specified	3	10.2	Default
Sub - 1 - EX	Specified	13	43.4	Default

Global Results Summary

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
Sub - 8 - EX	6.04	428.89	11Jul2023, 02:25	5.01

J23	8.28	612.03	11Jul2023, 01:20	4.99
R24	8.28	611.94	11Jul2023, 01:50	4.98
J24	11.09	833.02	11Jul2023, 01:25	5
Sub - 13 - EX	8.12	532.66	11Jul2023, 04:25	4.28
R13	8.12	528.39	11Jul2023, 06:45	4.26
Jun - 3 - EX	8.12	528.39	11Jul2023, 06:45	4.26
J12	41.81	2822.61	11Jul2023, 06:45	5.11
R12	41.81	2815.14	11Jul2023, 08:55	5.09
J11	50.17	3401.12	11Jul2023, 08:05	5.13
R11	50.17	3399	11Jul2023, 08:40	5.12
J10	52.27	3559.05	11Jul2023, 08:10	5.13
R9	52.27	3541.48	11Jul2023, 08:55	5.12
J9	56.06	3808.45	11Jul2023, 08:30	5.12
R27	56.06	3807.8	11Jul2023, 09:35	5.11
J25	66.45	4475.5	11Jul2023, 08:30	5.03
R26	66.45	4473.24	11Jul2023, 11:25	5
J8	78.76	5147.83	11Jul2023, 11:00	4.98
R10	78.76	5146.6	11Jul2023, 11:10	4.98
Lake George	125.28	8103.3	11Jul2023, 10:40	4.99
Sub - 18 - EX	5	367.31	11Jul2023, 02:05	5.13
J15	9.21	584.32	11Jul2023, 04:40	5.1
R15	9.21	577.13	11Jul2023, 07:35	5.02
J14	14.29	868.41	11Jul2023, 07:40	5.05
R14	14.29	867.08	11Jul2023, 11:10	5.02
Jun - 2 - EX	21.45	1405.57	11Jul2023, 07:40	5.24
R14 - DS - 0	21.45	1405.28	11Jul2023, 09:00	5.23
Sub - 19 - EX	4.21	226.77	11Jul2023, 09:30	5.07
Sub - 20 - EX	5.07	291.28	11Jul2023, 07:45	5.1
Sub - 39 - EX	7.16	586.53	11Jul2023, 01:15	5.7
Sub - 12 - EX	7.82	591.91	11Jul2023, 02:30	5.58
Sub - 23 - EX	4.42	333.49	11Jul2023, 01:40	5.21
Sub - 22 - EX	4.56	331.88	11Jul2023, 02:40	5.3
Sub - 30 - EX	3.8	281.74	11Jul2023, 02:20	5.32
Sub - 31 - EX	2.1	198.21	10Jul2023, 21:25	5.27
Sub - 17 - EX	3.79	286.05	11Jul2023, 01:40	5.18
Sub - 16 - EX	5.2	341.17	11Jul2023, 02:25	4.47
Sub - 24 - EX	5.19	388.98	11Jul2023, 00:20	4.67
Sub - 9 - EX	6.54	282.64	11Jul2023, 12:55	4.35
Sub - 10 - EX	5.77	430.86	11Jul2023, 02:30	5.44
Sub - 21 - EX	6.43	483.81	11Jul2023, 02:00	5.3
J1	8.13	527.41	11Jul2023, 03:15	4.98
Sub - 34 - EX	1.7	57.68	11Jul2023, 18:10	3.75
R2	8.13	527.1	11Jul2023, 04:55	4.96
J2	10.78	756.36	11Jul2023, 03:00	5.1

R3	10.78	753.36	11Jul2023, 03:35	5.09
J3	13.91	906.71	11Jul2023, 04:00	4.82
R4	13.91	906.16	11Jul2023, 05:10	4.81
J4	20.88	1402.2	11Jul2023, 04:40	5.03
R5	20.88	1401.94	11Jul2023, 04:55	5.03
J5	28.21	1810.57	11Jul2023, 05:35	5.05
R6	28.21	1808.6	11Jul2023, 06:25	5.03
J6	34.51	2223.48	11Jul2023, 06:15	5.11
R7	34.51	2223.3	11Jul2023, 06:40	5.1
J7	37.29	2468.19	11Jul2023, 05:15	5.15
R8	37.29	2465.92	11Jul2023, 06:00	5.13
Jun - 1 - EX	37.29	2465.92	11Jul2023, 06:00	5.13
R8 - DS - 0	37.29	2465.01	11Jul2023, 06:25	5.12
Sub - 33 - EX	2.65	240.99	10Jul2023, 22:35	5.5
Sub - 15 - EX	3.13	155.19	11Jul2023, 06:40	3.89
Sub - 38 - EX	6.97	497.28	11Jul2023, 03:35	5.48
Sub - 7 - EX	7.32	412.91	11Jul2023, 08:15	5.08
Sub - 25 - EX	6.3	415.23	11Jul2023, 05:35	5.47
Sub - 32 - EX	2.78	322.46	10Jul2023, 18:25	5.76
Sub - 5 - EX	4.12	572.13	10Jul2023, 13:45	5.4
Sub - 6 - EX	1.43	166.79	10Jul2023, 17:50	5.33
Sub - 11 - EX	3.69	365.95	10Jul2023, 20:05	5.35
R25	11.09	832.95	11Jul2023, 02:00	5
J16	138.74	8982.63	11Jul2023, 10:10	4.99
R16	138.74	8881.2	11Jul2023, 11:40	4.95
J17	149.12	9550.57	11Jul2023, 11:05	4.96
R17	149.12	8438.92	11Jul2023, 12:00	4.63
J18	149.12	8438.92	11Jul2023, 12:00	4.63
R19	149.12	8438.33	11Jul2023, 12:20	4.63
J19	159.34	9112.65	11Jul2023, 11:55	4.67
R20	159.34	8445.67	11Jul2023, 18:15	4.56
Sub - 37 - EX	4.01	300.68	11Jul2023, 02:35	5.5
R23	4.01	300.65	11Jul2023, 04:05	5.5
J I80	8.13	543.67	11Jul2023, 04:40	5.09
R22	8.13	543.65	11Jul2023, 05:15	5.09
Sub - 4 - EX	4.12	243.51	11Jul2023, 05:40	4.7
Sub - 28 - EX	1.95	155.2	10Jul2023, 22:05	4.23
J Melton Rd Trib Mouth	10.07	685.62	11Jul2023, 03:20	4.92
J_MeltonRd	174.87	9233.59	11Jul2023, 17:00	4.61
R21	174.87	8376.49	11Jul2023, 21:00	4.46
J_Mouth	180.64	8615.5	11Jul2023, 20:50	4.45
Sub - 27 - EX	2.24	186.42	10Jul2023, 23:00	4.92
Sub - 29 - EX	2.81	221.67	11Jul2023, 00:20	5.06
Sub - 35 - EX	2.36	124.41	11Jul2023, 09:10	4.82

Sub - 26 - EX	4.66	344.75	11Jul2023, 02:20	5.31
Sub - 3 - EX	3.14	215.03	11Jul2023, 01:00	4.29
Sub - 40 - EX	2.59	280.86	10Jul2023, 19:00	5.56
Sub - 14 - EX	6.98	518.99	11Jul2023, 02:45	5.51
Sub - 36 - EX	3.24	248.56	11Jul2023, 00:45	4.95
Sub - 2 - EX	5.46	615.5	10Jul2023, 18:25	5.5
Sub - 1 - EX	5.77	256.43	11Jul2023, 11:30	4.29

Project: Deep River

uses AMC 3 values

Simulation Run: 2019 Calibration

Simulation Start: 25 April 2019, 20:00

Simulation End: 15 May 2019, 24:00

HMS Version: 4.10

Executed: 06 May 2024, 15:54

Global Parameter Summary - Subbasin

Area (MI2)

Element Name	Area (MI2)
Sub - 8 - EX	6.04
Sub - 13 - EX	8.12
Sub - 18 - EX	5
Sub - 19 - EX	4.21
Sub - 20 - EX	5.07
Sub - 39 - EX	7.16
Sub - 12 - EX	7.82
Sub - 23 - EX	4.42
Sub - 22 - EX	4.56
Sub - 30 - EX	3.8
Sub - 31 - EX	2.1
Sub - 17 - EX	3.79
Sub - 16 - EX	5.2
Sub - 24 - EX	5.19
Sub - 9 - EX	6.54
Sub - 10 - EX	5.77
Sub - 21 - EX	6.43
Sub - 34 - EX	1.7
Sub - 33 - EX	2.65
Sub - 15 - EX	3.13
Sub - 38 - EX	6.97
Sub - 7 - EX	7.32
Sub - 25 - EX	6.3
Sub - 32 - EX	2.78
Sub - 5 - EX	4.12
Sub - 6 - EX	1.43
Sub - 11 - EX	3.69

Sub - 37 - EX	4.01
Sub - 4 - EX	4.12
Sub - 28 - EX	1.95
Sub - 27 - EX	2.24
Sub - 29 - EX	2.81
Sub - 35 - EX	2.36
Sub - 26 - EX	4.66
Sub - 3 - EX	3.14
Sub - 40 - EX	2.59
Sub - 14 - EX	6.98
Sub - 36 - EX	3.24
Sub - 2 - EX	5.46
Sub - 1 - EX	5.77

Downstream

Element Name	**Downstream**
Sub - 8 - EX	J23
Sub - 13 - EX	R13
Sub - 18 - EX	J15
Sub - 19 - EX	J15
Sub - 20 - EX	J14
Sub - 39 - EX	Jun - 2 - EX
Sub - 12 - EX	J12
Sub - 23 - EX	J12
Sub - 22 - EX	J11
Sub - 30 - EX	J11
Sub - 31 - EX	J10
Sub - 17 - EX	J9
Sub - 16 - EX	J25
Sub - 24 - EX	J25
Sub - 9 - EX	J8
Sub - 10 - EX	J8
Sub - 21 - EX	J1
Sub - 34 - EX	J1
Sub - 33 - EX	J2
Sub - 15 - EX	J3
Sub - 38 - EX	J4
Sub - 7 - EX	J5
Sub - 25 - EX	J6
Sub - 32 - EX	J7
Sub - 5 - EX	Lake George
Sub - 6 - EX	Lake George
Sub - 11 - EX	Lake George
Sub - 37 - EX	R23
Sub - 4 - EX	J I80

Sub - 28 - EX	J Melton Rd Trib Mouth
Sub - 27 - EX	J23
Sub - 29 - EX	J24
Sub - 35 - EX	J16
Sub - 26 - EX	J17
Sub - 3 - EX	J17
Sub - 40 - EX	J17
Sub - 14 - EX	J19
Sub - 36 - EX	J19
Sub - 2 - EX	J_MeltonRd
Sub - 1 - EX	J_Mouth

Loss Rate: Scs

Element Name	Percent Impervious Area	Curve Number	Initial Abstraction
Sub - 8 - EX	0	90.7	0.1
Sub - 13 - EX	0	92.8	0.08
Sub - 18 - EX	0	92	0.09
Sub - 19 - EX	0	94.3	0.06
Sub - 20 - EX	0	94.7	0.06
Sub - 39 - EX	0	95.8	0.04
Sub - 12 - EX	0	95.2	0.05
Sub - 23 - EX	0	92.6	0.08
Sub - 22 - EX	0	93.5	0.07
Sub - 30 - EX	0	93	0.08
Sub - 31 - EX	0	92	0.09
Sub - 17 - EX	0	92.5	0.08
Sub - 16 - EX	0	88.8	0.13
Sub - 24 - EX	0	89.7	0.12
Sub - 9 - EX	0	91.2	0.1
Sub - 10 - EX	0	94.4	0.06
Sub - 21 - EX	0	93.3	0.07
Sub - 34 - EX	0	92.6	0.08
Sub - 33 - EX	0	95.1	0.05
Sub - 15 - EX	0	85.9	0.17
Sub - 38 - EX	0	95	0.05
Sub - 7 - EX	0	94.8	0.06
Sub - 25 - EX	0	95.6	0.05
Sub - 32 - EX	0	96.5	0.04
Sub - 5 - EX	0	94.8	0.06
Sub - 6 - EX	0	93.6	0.07
Sub - 11 - EX	0	93.1	0.07
Sub - 37 - EX	0	94.4	0.06
Sub - 4 - EX	0	91.5	0.09
Sub - 28 - EX	0	87.5	0.14
Sub - 27 - EX	0	90	0.11

Sub - 29 - EX	0	92.8	0.08
Sub - 35 - EX	0	94.1	0.06
Sub - 26 - EX	0	96	0.04
Sub - 3 - EX	0	87.8	0.14
Sub - 40 - EX	0	95.8	0.04
Sub - 14 - EX	0	97.4	0.03
Sub - 36 - EX	0	93.4	0.07
Sub - 2 - EX	0	94.3	0.06
Sub - 1 - EX	0	90.7	0.1

Canopy: Simple

Element Name	Allow Simultaneous Precip Et	Plant Uptake Method	Initial Canopy Storage Percent	Canopy Storage Capacity	Crop Coefficient
Sub - 8 - EX	No	None	1	0.5	1
Sub - 13 - EX	No	None	1	0.5	1
Sub - 18 - EX	No	None	1	0.5	1
Sub - 19 - EX	No	None	1	0.5	1
Sub - 20 - EX	No	None	1	0.5	1
Sub - 39 - EX	No	None	1	0.5	1
Sub - 12 - EX	No	None	1	0.5	1
Sub - 23 - EX	No	None	1	0.5	1
Sub - 22 - EX	No	None	1	0.5	1
Sub - 30 - EX	No	None	1	0.5	1
Sub - 31 - EX	No	None	1	0.5	1
Sub - 17 - EX	No	None	1	0.5	1
Sub - 16 - EX	No	None	1	0.5	1
Sub - 24 - EX	No	None	1	0.5	1
Sub - 9 - EX	No	None	1	0.5	1
Sub - 10 - EX	No	None	1	0.5	1
Sub - 21 - EX	No	None	1	0.5	1
Sub - 34 -	No	None	1	0.5	1

EX					
Sub - 33 - EX	No	None	1	0.5	1
Sub - 15 - EX	No	None	1	0.5	1
Sub - 38 - EX	No	None	1	0.5	1
Sub - 7 - EX	No	None	1	0.5	1
Sub - 25 - EX	No	None	1	0.5	1
Sub - 32 - EX	No	None	1	0.5	1
Sub - 5 - EX	No	None	1	0.5	1
Sub - 6 - EX	No	None	1	0.5	1
Sub - 11 - EX	No	None	1	0.5	1
Sub - 37 - EX	No	None	1	0.5	1
Sub - 4 - EX	No	None	1	0.5	1
Sub - 28 - EX	No	None	1	0.5	1
Sub - 27 - EX	No	None	1	0.5	1
Sub - 29 - EX	No	None	1	0.5	1
Sub - 35 - EX	No	None	1	0.5	1
Sub - 26 - EX	No	None	1	0.5	1
Sub - 3 - EX	No	None	1	0.5	1
Sub - 40 - EX	No	None	1	0.5	1
Sub - 14 - EX	No	None	1	0.5	1
Sub - 36 - EX	No	None	1	0.5	1
Sub - 2 - EX	No	None	1	0.5	1
Sub - 1 - EX	No	None	1	0.5	1

Transform: Clark

Element Name	Clark Method	Time of Concentration	Storage Coefficient	Time Area Method
Sub - 8 - EX	Specified	6.6	22.2	Default

Sub - 13 - EX	Specified	6.2	20.7	Default
Sub - 18 - EX	Specified	6.5	21.7	Default
Sub - 19 - EX	Specified	12.1	40.5	Default
Sub - 20 - EX	Specified	10.6	35.5	Default
Sub - 39 - EX	Specified	6.5	21.6	Default
Sub - 12 - EX	Specified	7.2	24.2	Default
Sub - 23 - EX	Specified	6.3	21.2	Default
Sub - 22 - EX	Specified	7	23.6	Default
Sub - 30 - EX	Specified	6.8	22.9	Default
Sub - 31 - EX	Specified	4.1	13.8	Default
Sub - 17 - EX	Specified	6.3	21	Default
Sub - 16 - EX	Specified	6.1	20.6	Default
Sub - 24 - EX	Specified	5.2	17.3	Default
Sub - 9 - EX	Specified	14.5	48.4	Default
Sub - 10 - EX	Specified	7.1	23.6	Default
Sub - 21 - EX	Specified	6.6	22.1	Default
Sub - 34 - EX	Specified	19.3	64.5	Default
Sub - 33 - EX	Specified	4.9	16.3	Default
Sub - 15 - EX	Specified	8.3	27.6	Default
Sub - 38 - EX	Specified	7.8	26.2	Default
Sub - 7 - EX	Specified	11	36.7	Default
Sub - 25 - EX	Specified	9.2	30.8	Default
Sub - 32 - EX	Specified	3.2	10.7	Default
Sub - 5 - EX	Specified	1.6	5.3	Default
Sub - 6 - EX	Specified	2.5	8.5	Default
Sub - 11 - EX	Specified	3.8	12.8	Default
Sub - 37 - EX	Specified	7.2	24	Default
Sub - 4 - EX	Specified	8.4	28.1	Default
Sub - 28 - EX	Specified	3.6	12.1	Default
Sub - 27 - EX	Specified	4.6	15.5	Default
Sub - 29 - EX	Specified	5.5	18.3	Default
Sub - 35 - EX	Specified	11.4	38	Default
Sub - 26 - EX	Specified	6.8	22.9	Default
Sub - 3 - EX	Specified	5.2	17.4	Default
Sub - 40 - EX	Specified	3.4	11.5	Default
Sub - 14 - EX	Specified	7.3	24.4	Default
Sub - 36 - EX	Specified	5.6	18.6	Default
Sub - 2 - EX	Specified	3	10.2	Default
Sub - 1 - EX	Specified	13	43.4	Default

Global Results Summary

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
Sub - 8 - EX	6.04	240.35	01May2019, 09:00	4.68

J23	8.28	348.64	01May2019, 08:00 4.67
R24	8.28	345.94	01May2019, 08:00 4.67
J24	11.09	477.44	01May2019, 08:00 4.73
Sub - 13 - EX	8.12	318.3	01May2019, 08:00 4.32
R13	8.12	300.92	01May2019, 11:00 4.31
Jun - 3 - EX	8.12	300.92	01May2019, 11:00 4.31
J12	41.81	1454.01	01May2019, 11:00 4.96
R12	41.81	1445.22	01May2019, 14:00 4.96
J11	50.17	1713.81	01May2019, 13:00 4.92
R11	50.17	1710.01	01May2019, 14:00 4.92
J10	52.27	1778.82	01May2019, 14:00 4.91
R9	52.27	1758.33	01May2019, 14:00 4.91
J9	56.06	1875.51	01May2019, 14:00 4.89
R27	56.06	1874.35	01May2019, 15:00 4.89
J25	66.45	2160.11	01May2019, 14:00 4.79
R26	66.45	2152.4	01May2019, 18:00 4.78
J8	78.76	2473.58	01May2019, 17:00 4.77
R10	78.76	2469.79	01May2019, 18:00 4.77
Lake George	125.28	3624.87	01May2019, 21:00 4.79
Sub - 18 - EX	5	242.81	01May2019, 08:00 5.13
J15	9.21	355.35	01May2019, 09:00 4.95
R15	9.21	335.43	01May2019, 13:00 4.93
J14	14.29	520.33	01May2019, 13:00 5.09
R14	14.29	516.63	01May2019, 17:00 5.08
Jun - 2 - EX	21.45	752.27	01May2019, 15:00 5.16
R14 - DS - 0	21.45	751.5	01May2019, 16:00 5.15
Sub - 19 - EX	4.21	131.97	01May2019, 13:00 4.73
Sub - 20 - EX	5.07	187.2	01May2019, 12:00 5.38
Sub - 39 - EX	7.16	315.7	01May2019, 08:00 5.31
Sub - 12 - EX	7.82	320.4	01May2019, 09:00 5.24
Sub - 23 - EX	4.42	174.61	01May2019, 08:00 4.74
Sub - 22 - EX	4.56	161.42	01May2019, 09:00 4.68
Sub - 30 - EX	3.8	150.64	01May2019, 09:00 4.82
Sub - 31 - EX	2.1	108.97	01May2019, 07:00 4.74
Sub - 17 - EX	3.79	144.15	01May2019, 08:00 4.61
Sub - 16 - EX	5.2	174.29	01May2019, 08:00 4.22
Sub - 24 - EX	5.19	209.27	01May2019, 08:00 4.34
Sub - 9 - EX	6.54	148.99	01May2019, 15:00 4.33
Sub - 10 - EX	5.77	238.48	01May2019, 09:00 5.15
Sub - 21 - EX	6.43	300.88	01May2019, 08:00 4.68
J1	8.13	325.04	01May2019, 09:00 4.54
Sub - 34 - EX	1.7	32.51	01May2019, 20:00 4
R2	8.13	323.37	01May2019, 10:00 4.53
J2	10.78	459.12	01May2019, 10:00 4.62

R3	10.78	449.13	01May2019, 10:00 4.61
J3	13.91	542.12	01May2019, 10:00 4.38
R4	13.91	537.91	01May2019, 12:00 4.37
J4	20.88	826.64	01May2019, 11:00 4.63
R5	20.88	824.66	01May2019, 11:00 4.63
J5	28.21	1044.2	01May2019, 11:00 4.59
R6	28.21	1037.29	01May2019, 12:00 4.59
J6	34.51	1260.27	01May2019, 12:00 4.71
R7	34.51	1256.26	01May2019, 13:00 4.71
J7	37.29	1375.73	01May2019, 12:00 4.77
R8	37.29	1366.74	01May2019, 13:00 4.77
Jun - 1 - EX	37.29	1366.74	01May2019, 13:00 4.77
R8 - DS - 0	37.29	1361.29	01May2019, 14:00 4.77
Sub - 33 - EX	2.65	152.22	01May2019, 07:00 4.87
Sub - 15 - EX	3.13	92.99	01May2019, 10:00 3.56
Sub - 38 - EX	6.97	298.83	01May2019, 09:00 5.13
Sub - 7 - EX	7.32	221.63	01May2019, 12:00 4.49
Sub - 25 - EX	6.3	226.21	01May2019, 10:00 5.26
Sub - 32 - EX	2.78	199.47	01May2019, 06:00 5.49
Sub - 5 - EX	4.12	374.5	01May2019, 04:00 5.37
Sub - 6 - EX	1.43	105.51	01May2019, 05:00 5.24
Sub - 11 - EX	3.69	233.14	01May2019, 06:00 5.14
R25	11.09	475.85	01May2019, 09:00 4.73
J16	138.74	3975.6	01May2019, 19:00 4.79
R16	138.74	3951.87	01May2019, 21:00 4.78
J17	149.12	4200.4	01May2019, 19:00 4.79
R17	149.12	3829.88	01May2019, 21:00 4.64
J18	149.12	3829.88	01May2019, 21:00 4.64
R19	149.12	3828.75	01May2019, 21:00 4.64
J19	159.34	4090.86	01May2019, 20:00 4.64
R20	159.34	3958.7	02May2019, 01:00 4.61
Sub - 37 - EX	4.01	162.61	01May2019, 09:00 5.22
R23	4.01	161.73	01May2019, 10:00 5.22
J I80	8.13	307.49	01May2019, 10:00 4.96
R22	8.13	306.69	01May2019, 11:00 4.96
Sub - 4 - EX	4.12	145.75	01May2019, 10:00 4.71
Sub - 28 - EX	1.95	104.96	01May2019, 06:00 4.36
J Melton Rd Trib Mouth	10.07	389.83	01May2019, 10:00 4.84
J_MeltonRd	174.87	4245.16	01May2019, 23:00 4.63
R21	174.87	4003.36	02May2019, 03:00 4.57
J_Mouth	180.64	4117.11	02May2019, 03:00 4.57
Sub - 27 - EX	2.24	110.29	01May2019, 07:00 4.63
Sub - 29 - EX	2.81	131.5	01May2019, 08:00 4.9
Sub - 35 - EX	2.36	75.05	01May2019, 12:00 5.19

Sub - 26 - EX	4.66	198.63	01May2019, 09:00 5.16
Sub - 3 - EX	3.14	135.31	01May2019, 08:00 4.36
Sub - 40 - EX	2.59	158.27	01May2019, 06:00 5.33
Sub - 14 - EX	6.98	261	01May2019, 09:00 4.68
Sub - 36 - EX	3.24	162.32	01May2019, 08:00 4.79
Sub - 2 - EX	5.46	367.27	01May2019, 05:00 4.91
Sub - 1 - EX	5.77	148.73	01May2019, 14:00 4.53

APPENDIX 4: CALIBRATION MODEL RESULTS

Calibration Results

High-water mark graphs show elevation on the vertical axis and cumulative distance in the upstream direction on the horizontal axis. Blue lines are the stream maximum water surface elevations. The open black diamonds are the measured high-water mark elevation. Graphs that compare results to gage data show the elevations or discharges on the vertical axis versus time on the horizontal axis. Blue lines are model results. Black lines are recorded data.

2008 Calibration

Figures 1-6 show the calibration results for the 2008 flood event. High-water marks along Deep River and Turkey Creek along with stage and discharge records at two gages were available for calibration.

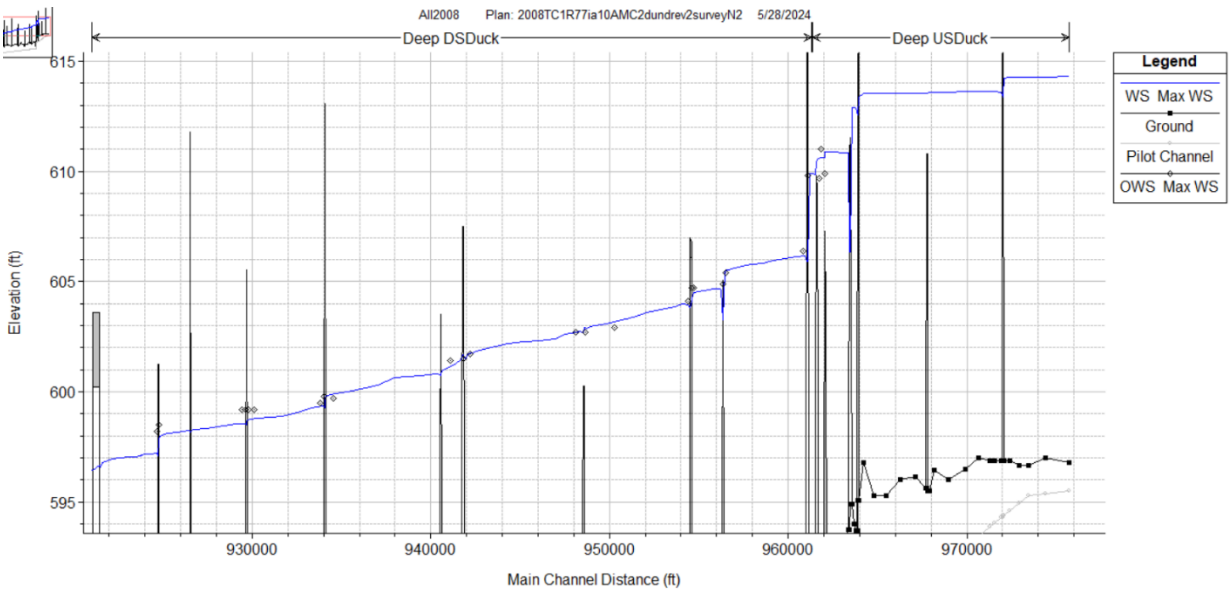

Figure 1: High-water Marks Compared to Model Profile of 2008 Event (Burns Ditch to Lake George Outlet)

Modeled peak water surface elevations along Deep River matched the high-water marks within 0.3-foot except at the downstream end where they differed by as much as 0.7-foot. The reasons the modeled elevations at the downstream bridges are low may be due to uncertainties in the SR 51 bridge condition on Burns Ditch at the time of the flood.

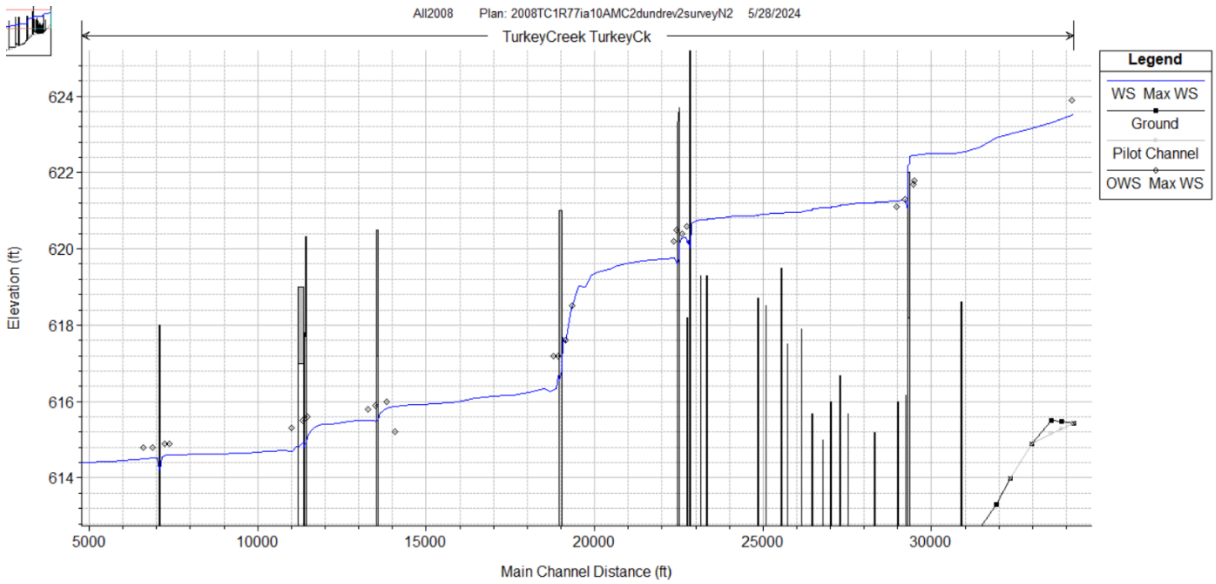

Figure 2: High-water Marks Compared to Model Profile of 2008 Event (Along Turkey Creek)

Along Turkey Creek, the high-water marks and model elevations differed by up to 0.7-foot with most of them within 0.3-foot.

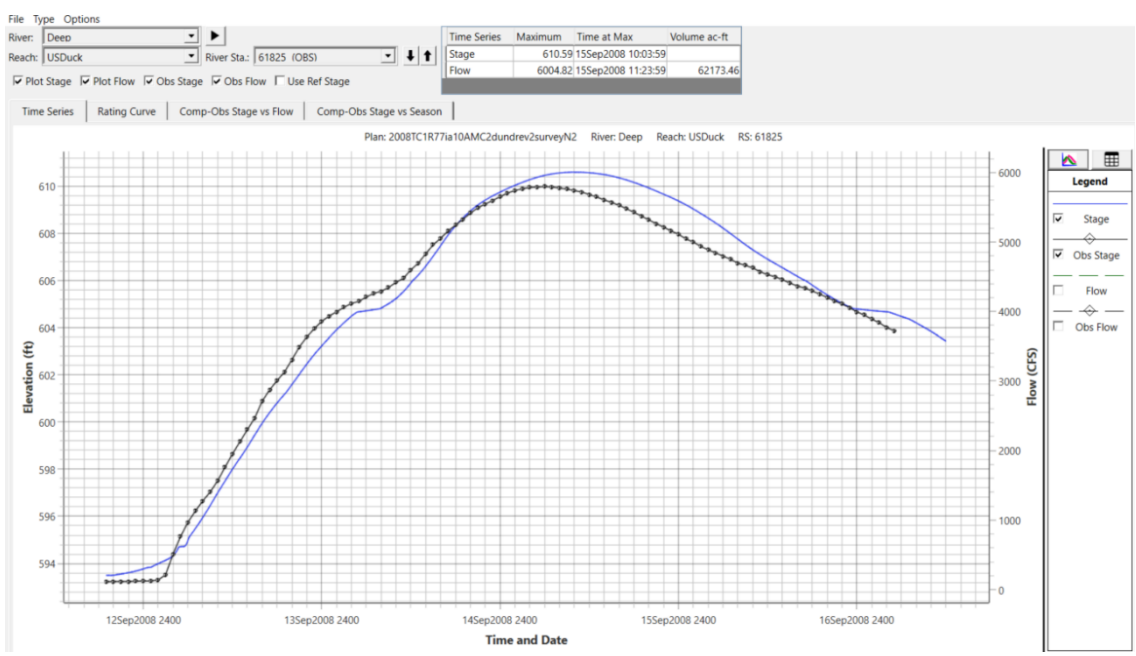

Figure 3: Comparison of Gage Recorded Stage Vs. Time to Model Resulting Stage (Lake George Outlet)

The model overshot the peak stage by less than 0.3 feet but provided a reasonable match to the measured hydrograph for the rising and receding limb.

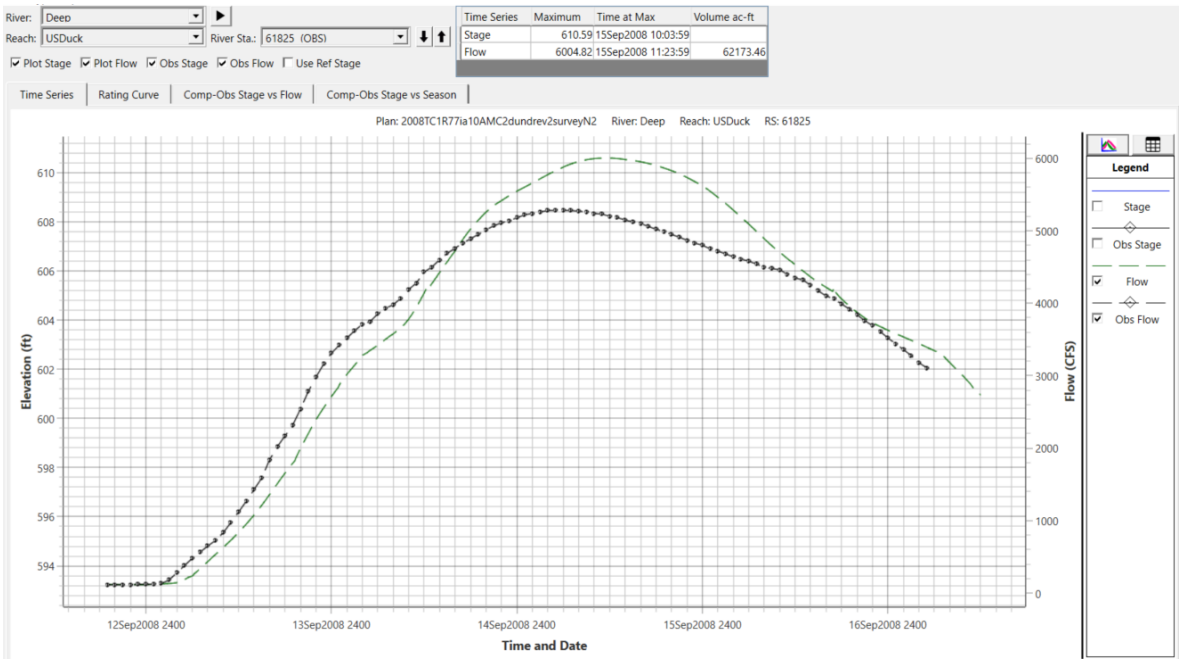

Figure 4: Comparison of Gage Recorded Discharge Vs. Time to Model Resulting Discharge (Lake George Outlet)

The modeled discharge hydrograph at the Lake George outlet for 2008 was approximately 700 cfs too high. In contrast, the modeled hydrograph for the 2019 event was approximately 600 cfs too low. Efforts to find ways to raise one while lowering the other were unsuccessful so this point of being equally off the recorded values was selected as the best calibration with the current information.

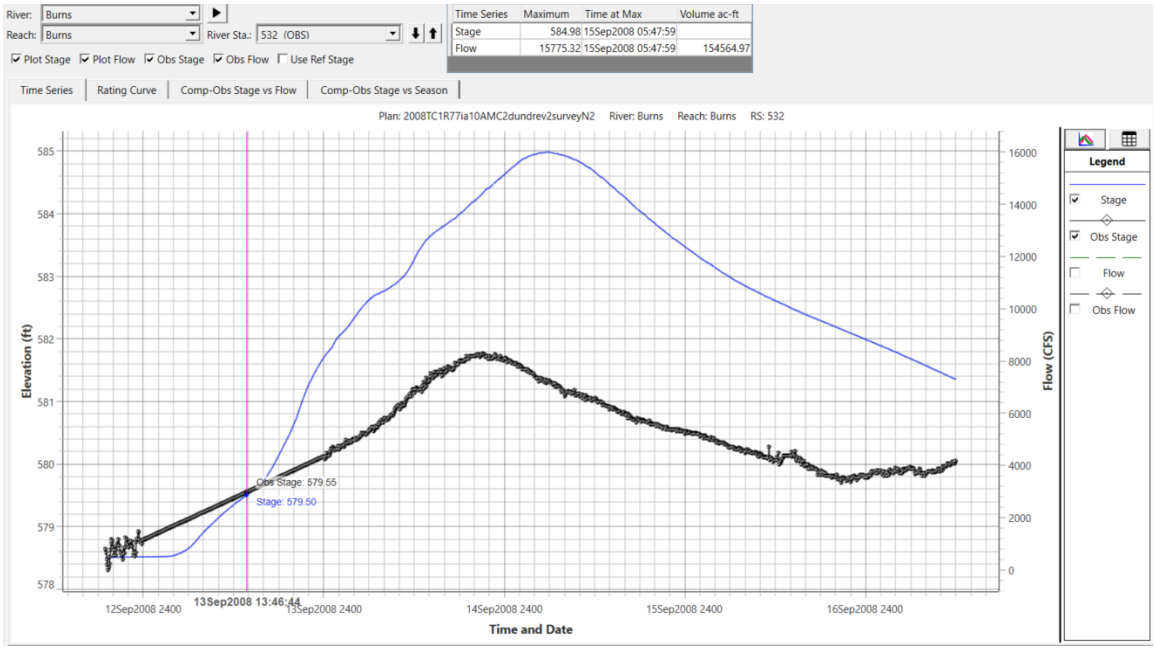

Figure 5: Comparison of Gage Recorded Stage to Model Stage (Portage-Burns Waterway at Portage)

This gage is so close to Lake Michigan that the difference in modeled and recorded stages is likely due to the Lake Michigan levels during the event being different than the monthly mean that was used. Details of these levels could not be found.

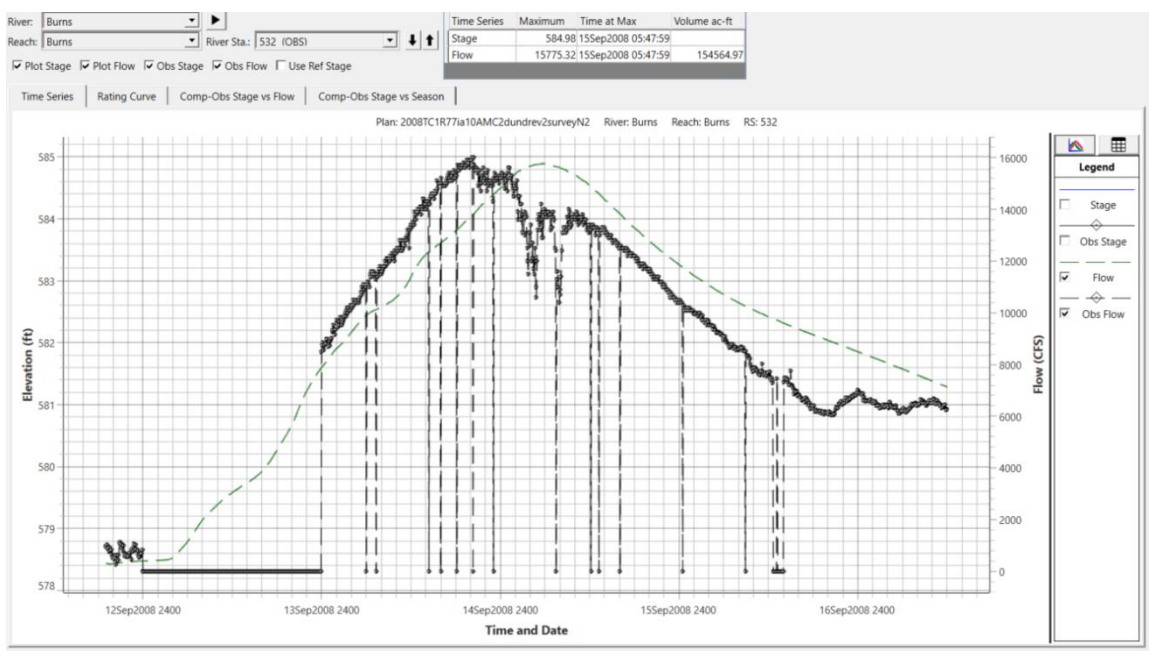

Figure 6: Comparison of Gage Recorded Discharge to Model Discharge (Portage-Burns Waterway at Portage)

The shape of the modeled hydrograph at this gage matched the recorded hydrograph well but lagged a few hours in time.

2019 Calibration

Figures 7-15 are the calibration results for the 2019 flood event. No high-water marks were found for this event but stage and discharge records were available at two gages and stage only records were available at five more gages.

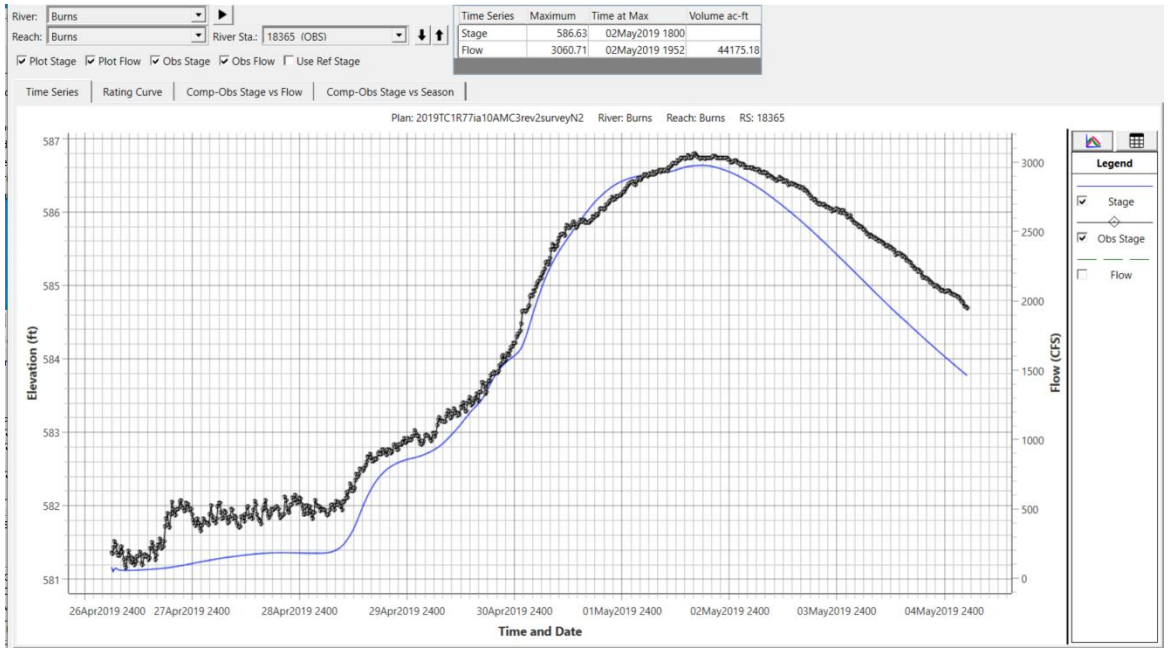

Figure 7: Comparison of Gage Recorded Stage to Model Stage (Burns Ditch at Lake Station)

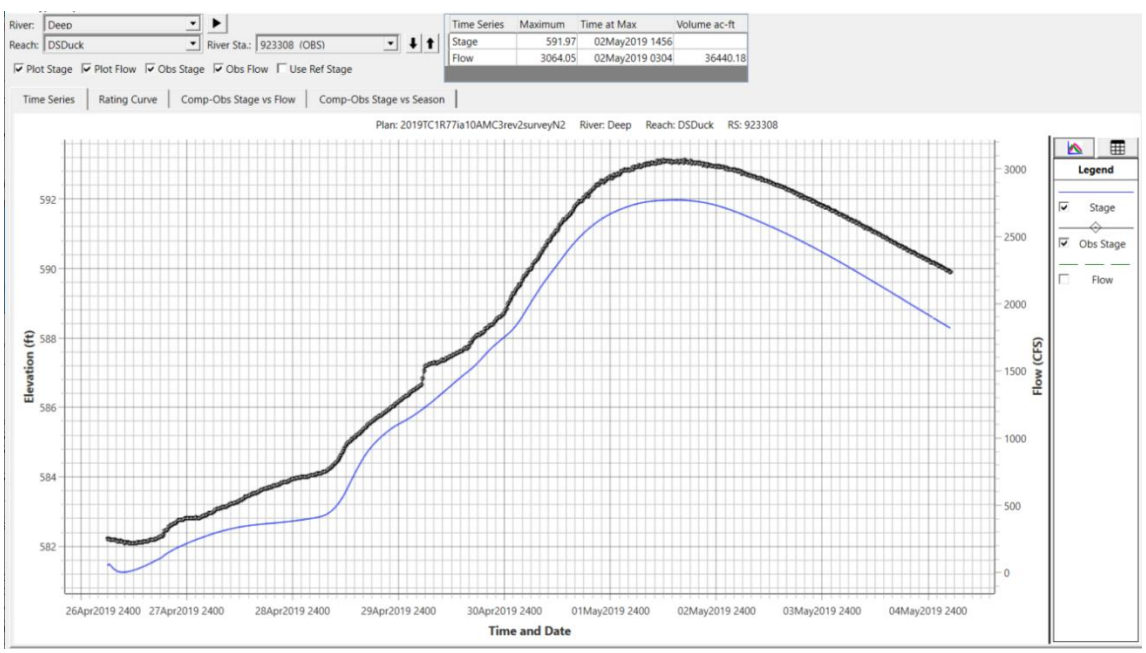

Figure 8: Comparison of Gage Recorded Stage to Model Stage(Deep River near Liverpool (downstream of Lake Station Riffle)

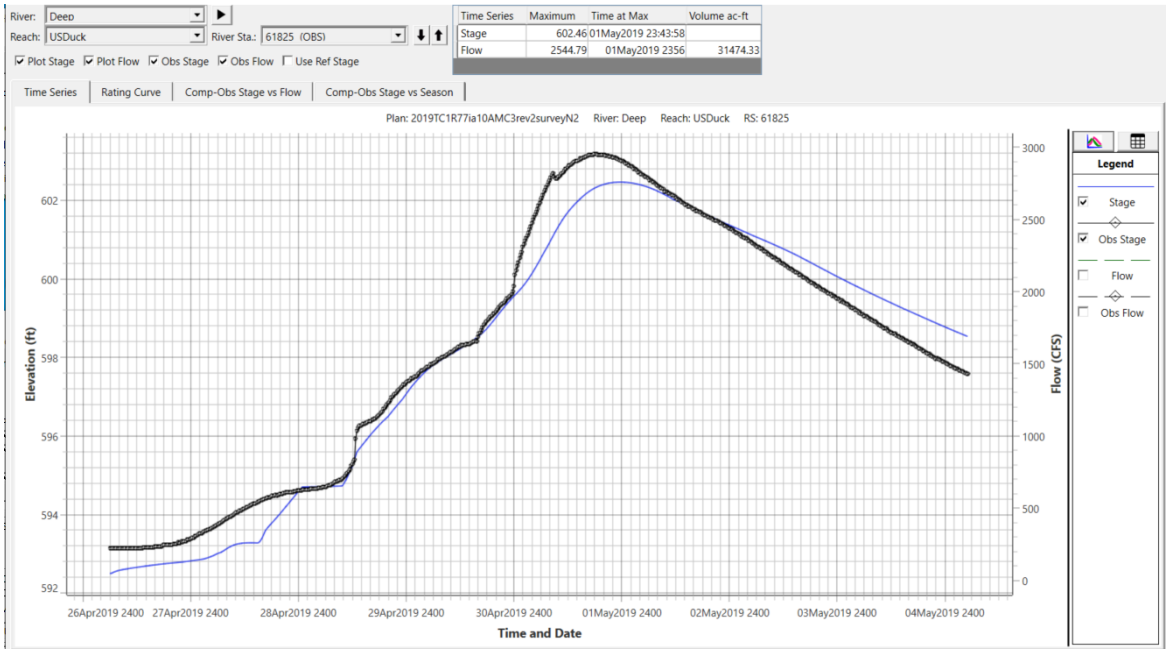

Figure 9: Comparison of Gage Recorded Stage to Model Stage (Lake George Outlet)

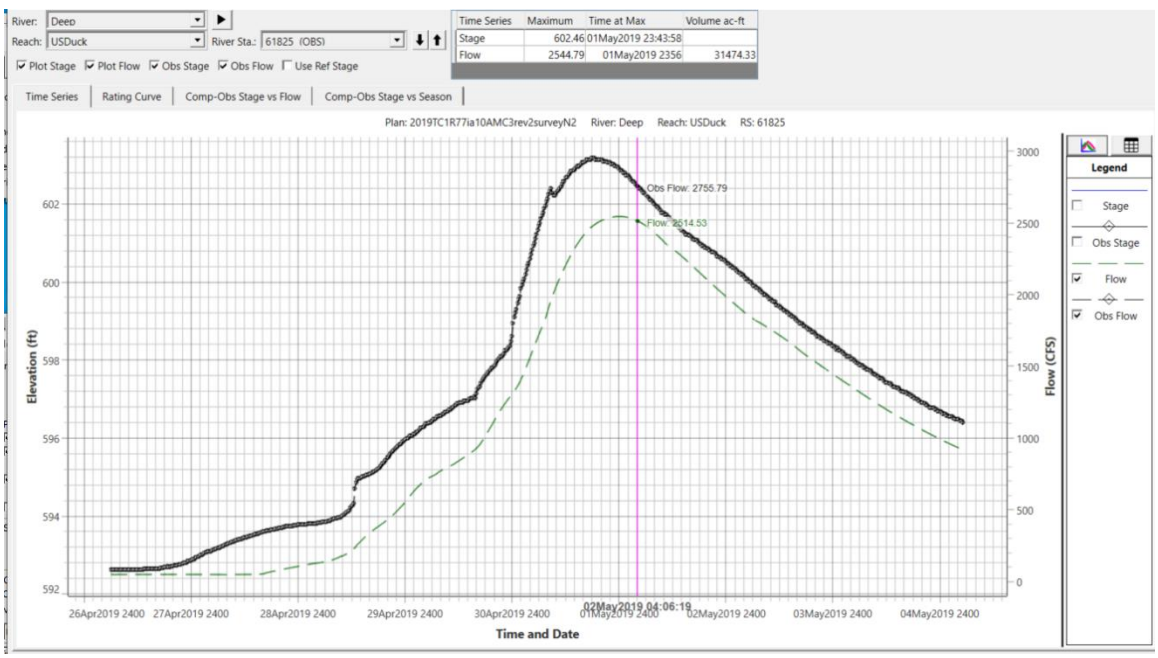

Figure 10: Comparison of Gage Recorded Discharge to Model Stage (Lake George Outlet)

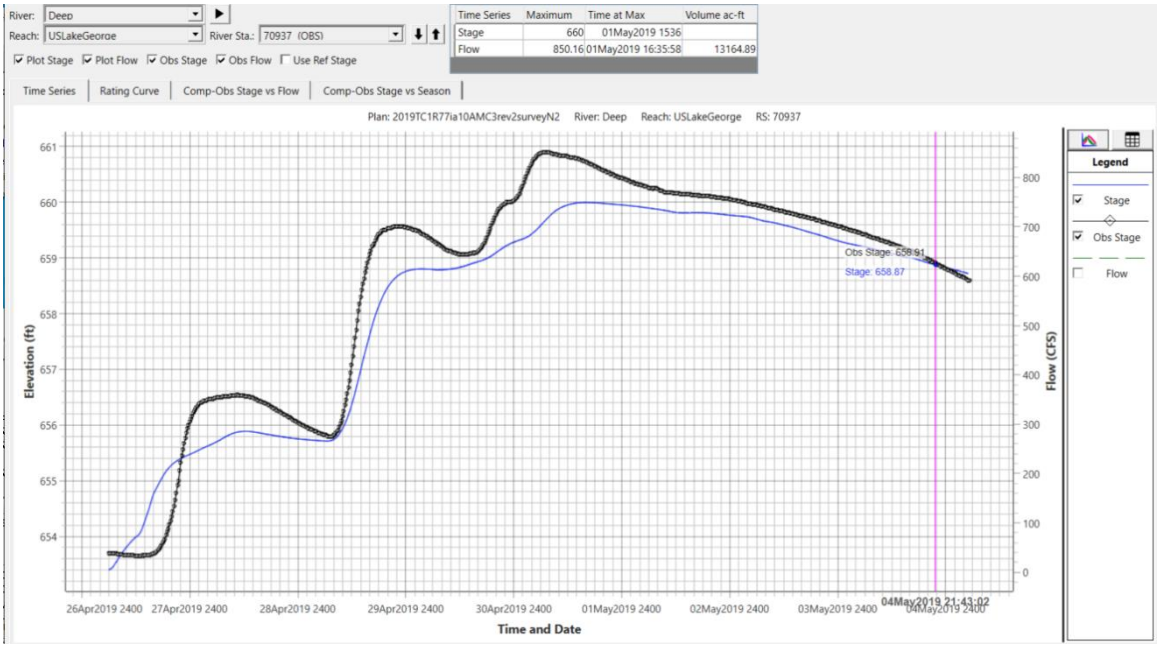

Figure 11: Comparison of Gage Recorded Stage to Model Stage (Deep River near Merrillville Grand Boulevard south of US30)

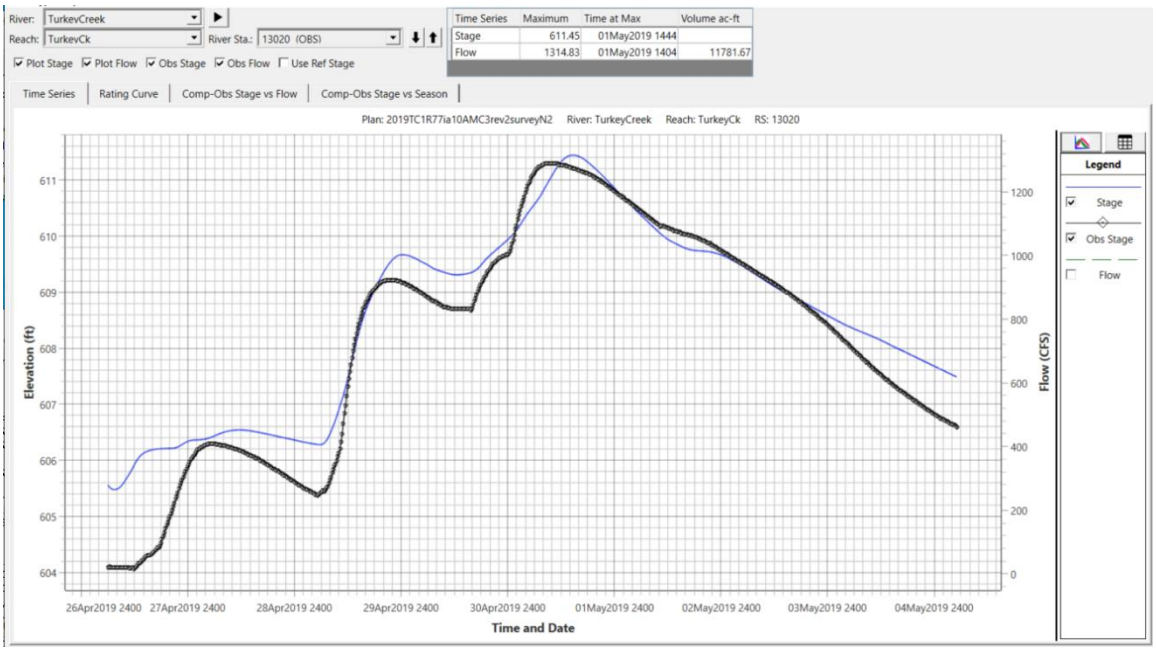

Figure 22: Comparison of Gage Recorded Stage to Model Stage (Turkey Creek at Merrillville (61st Avenue)

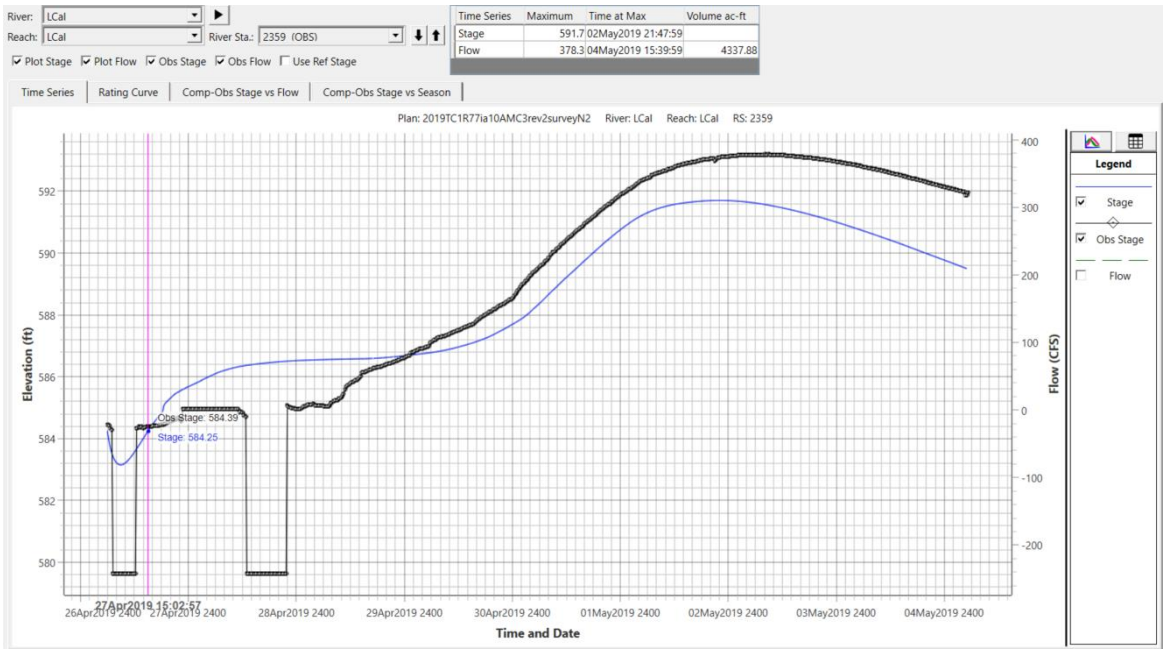

Figure 33: Comparison of Gage Recorded Stage to Model Stage (Little Calumet River near Lake Stations (upstream of I-65)

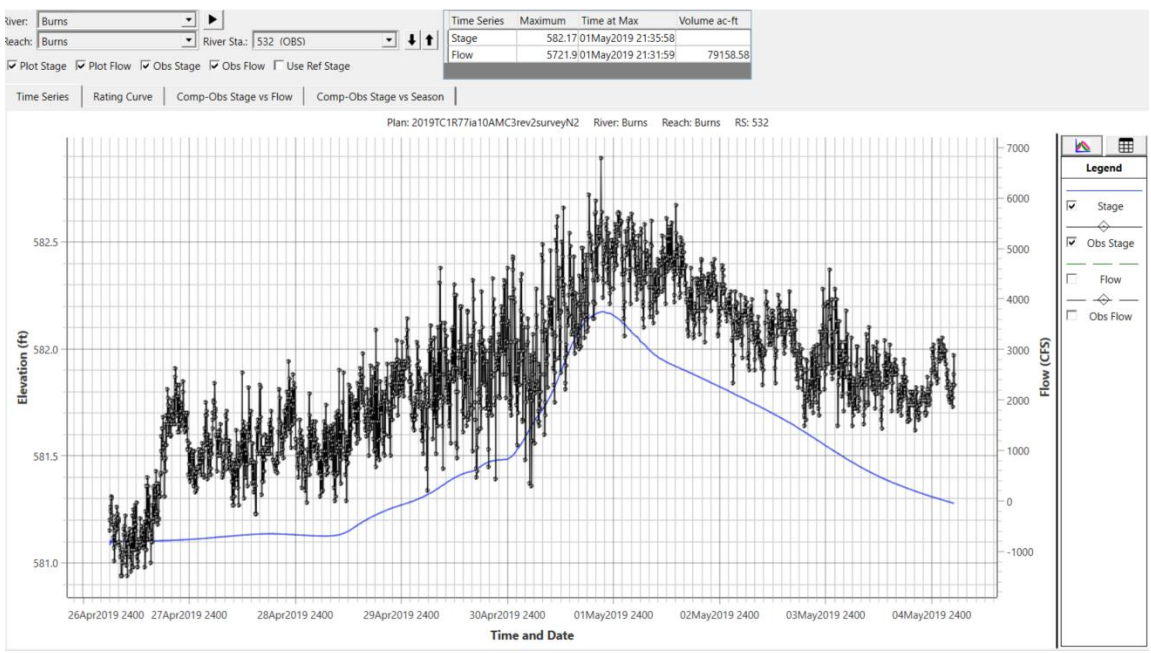

Figure 44: Comparison of Gage Recorded Stage to Model Stage (Portage Burns Waterway at Portage)

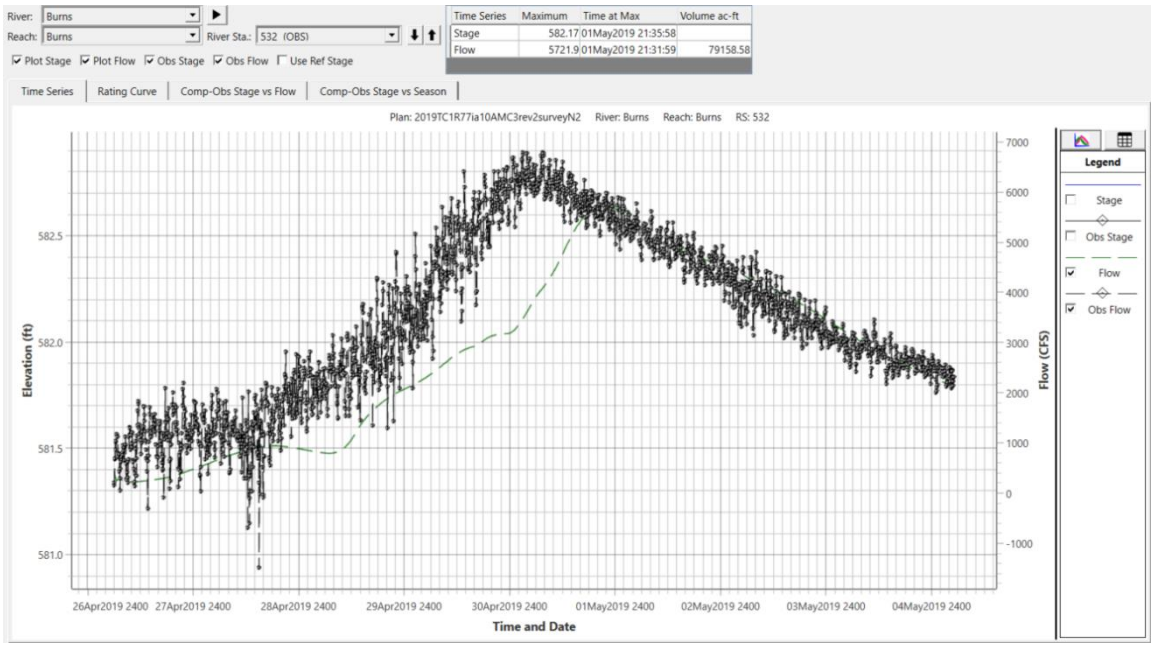

Figure 55: Comparison of Gage Recorded Discharge to Model Stage (Portage Burns Waterway at Portage)

APPENDIX 5: 10- AND 100-YEAR RAS MODEL OUTPUT

HEC-RAS Profile: Max WS

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	33749.67	Max WS	EX10y96h	577	615.44	621.92	621.94	1.4	570	339
TurkeyCreek	TurkeyCk	33749.67	Max WS	EX100y96h ARF	904	615.44	622.63	622.66	1.5	838	401
TurkeyCreek	TurkeyCk	33401.65	Max WS	EX10y96h	577	615.49	621.70	621.82	2.9	228	294
TurkeyCreek	TurkeyCk	33401.65	Max WS	EX100y96h ARF	902	615.49	622.35	622.53	3.6	340	373
TurkeyCreek	TurkeyCk	33088.58	Max WS	EX10y96h	691	615.50	621.31	621.48	3.7	307	395
TurkeyCreek	TurkeyCk	33088.58	Max WS	EX100y96h ARF	1072	615.50	622.15	622.23	3.0	659	445
TurkeyCreek	TurkeyCk	32513.27	Max WS	EX10y96h	691	614.90	620.77	620.82	2.4	719	396
TurkeyCreek	TurkeyCk	32513.27	Max WS	EX100y96h ARF	1070	614.90	621.84	621.88	2.3	1152	418
TurkeyCreek	TurkeyCk	31866.41	Max WS	EX10y96h	691	613.98	620.36	620.39	2.1	873	457
TurkeyCreek	TurkeyCk	31866.41	Max WS	EX100y96h ARF	1068	613.98	621.57	621.59	1.9	1456	508
TurkeyCreek	TurkeyCk	31257.64	Max WS	EX10y96h	690	613.30	620.12	620.18	2.3	649	322
TurkeyCreek	TurkeyCk	31257.64	Max WS	EX100y96h ARF	1066	613.30	621.41	621.46	2.4	1104	382
TurkeyCreek	TurkeyCk	30968.95	Max WS	EX10y96h	689	612.69	619.81	619.92	2.9	325	100
TurkeyCreek	TurkeyCk	30968.95	Max WS	EX100y96h ARF	1064	612.69	621.10	621.24	3.3	460	121
TurkeyCreek	TurkeyCk	30538.52	Max WS	EX10y96h	687	612.07	619.35	619.49	3.3	398	229
TurkeyCreek	TurkeyCk	30538.52	Max WS	EX100y96h ARF	1062	612.07	620.82	620.89	2.8	754	286
TurkeyCreek	TurkeyCk	30439.94	Max WS	EX10y96h	686	611.61	619.28	619.37	2.6	439	356
TurkeyCreek	TurkeyCk	30439.94	Max WS	EX100y96h ARF	1062	611.61	620.80	620.82	1.6	1325	682
TurkeyCreek	TurkeyCk	30420			Culvert						
TurkeyCreek	TurkeyCk	30399.10	Max WS	EX10y96h	683	611.61	618.88	618.91	1.6	858	391
TurkeyCreek	TurkeyCk	30399.10	Max WS	EX100y96h ARF	1062	611.61	620.78	620.80	1.3	1693	482
TurkeyCreek	TurkeyCk	30161.32	Max WS	EX10y96h	683	612.40	618.84	618.85	1.2	1173	504
TurkeyCreek	TurkeyCk	30161.32	Max WS	EX100y96h ARF	1062	612.40	620.77	620.77	0.9	2209	573
TurkeyCreek	TurkeyCk	29712.14	Max WS	EX10y96h	683	611.46	618.81	618.81	0.5	1814	692
TurkeyCreek	TurkeyCk	29712.14	Max WS	EX100y96h ARF	1062	611.46	620.76	620.76	0.4	3219	755
TurkeyCreek	TurkeyCk	29446.15	Max WS	EX10y96h	890	610.90	618.80	618.80	0.7	1538	584
TurkeyCreek	TurkeyCk	29446.15	Max WS	EX100y96h ARF	1378	610.90	620.75	620.75	0.5	2731	646
TurkeyCreek	TurkeyCk	28990.92	Max WS	EX10y96h	889	609.94	618.73	618.76	2.1	744	366
TurkeyCreek	TurkeyCk	28990.92	Max WS	EX100y96h ARF	1378	609.94	620.71	620.74	1.8	1244	460
TurkeyCreek	TurkeyCk	28880.56	Max WS	EX10y96h	888	609.71	618.63	618.75	2.8	320	65
TurkeyCreek	TurkeyCk	28880.56	Max WS	EX100y96h ARF	1377	609.71	620.59	620.74	3.1	444	175
TurkeyCreek	TurkeyCk	28855			Bridge						
TurkeyCreek	TurkeyCk	28829.59	Max WS	EX10y96h	885	609.60	618.32	618.53	3.6	245	53
TurkeyCreek	TurkeyCk	28829.59	Max WS	EX100y96h ARF	1370	609.60	619.75	620.04	4.3	319	66
TurkeyCreek	TurkeyCk	28799.35	Max WS	EX10y96h	885	610.00	618.30	618.51	3.7	269	312
TurkeyCreek	TurkeyCk	28799.35	Max WS	EX100y96h ARF	1371	610.00	619.79	620.02	4.0	410	472
TurkeyCreek	TurkeyCk	28772.76	Max WS	EX10y96h	887	610.25	618.36	618.48	3.0	366	429
TurkeyCreek	TurkeyCk	28772.76	Max WS	EX100y96h ARF	1372	610.25	619.87	619.99	3.1	549	490
TurkeyCreek	TurkeyCk	28754			Bridge						
TurkeyCreek	TurkeyCk	28734.64	Max WS	EX10y96h	887	610.40	618.42	618.46	1.6	619	407
TurkeyCreek	TurkeyCk	28734.64	Max WS	EX100y96h ARF	1372	610.40	619.93	619.97	1.7	953	470
TurkeyCreek	TurkeyCk	28630.21	Max WS	EX10y96h	887	610.40	618.42	618.44	1.2	1088	432
TurkeyCreek	TurkeyCk	28630.21	Max WS	EX100y96h ARF	1373	610.40	619.94	619.95	1.1	1767	460
TurkeyCreek	TurkeyCk	28551.08	Max WS	EX10y96h	887	610.40	618.42	618.43	1.1	1181	433
TurkeyCreek	TurkeyCk	28551.08	Max WS	EX100y96h ARF	1372	610.40	619.94	619.95	1.0	1852	451
TurkeyCreek	TurkeyCk	28532			Bridge						
TurkeyCreek	TurkeyCk	28513.05	Max WS	EX10y96h	887	610.40	618.41	618.42	1.1	1180	426
TurkeyCreek	TurkeyCk	28513.05	Max WS	EX100y96h ARF	1372	610.40	619.93	619.93	1.0	1844	453
TurkeyCreek	TurkeyCk	28469.26	Max WS	EX10y96h	886	610.30	618.41	618.42	1.1	1186	420
TurkeyCreek	TurkeyCk	28469.26	Max WS	EX100y96h ARF	1372	610.30	619.92	619.93	1.0	1842	449
TurkeyCreek	TurkeyCk	28083.71	Max WS	EX10y96h	1154	610.25	618.39	618.39	0.9	1984	511

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	28083.71	Max WS	EX100y96h ARF	1784	610.25	619.91	619.91	0.9	2785	547
TurkeyCreek	TurkeyCk	27853.97	Max WS	EX10y96h	1154	610.25	618.38	618.38	1.0	1783	657
TurkeyCreek	TurkeyCk	27853.97	Max WS	EX100y96h ARF	1784	610.25	619.90	619.91	0.9	2823	702
TurkeyCreek	TurkeyCk	27840			Bridge						
TurkeyCreek	TurkeyCk	27826.05	Max WS	EX10y96h	1155	610.20	618.36	618.37	1.0	1765	650
TurkeyCreek	TurkeyCk	27826.05	Max WS	EX100y96h ARF	1785	610.20	619.89	619.89	0.9	2793	695
TurkeyCreek	TurkeyCk	27684.68	Max WS	EX10y96h	1154	610.20	618.36	618.37	0.9	1691	513
TurkeyCreek	TurkeyCk	27684.68	Max WS	EX100y96h ARF	1785	610.20	619.88	619.89	0.9	2488	535
TurkeyCreek	TurkeyCk	27345.96	Max WS	EX10y96h	1154	610.00	618.34	618.35	0.8	1634	369
TurkeyCreek	TurkeyCk	27345.96	Max WS	EX100y96h ARF	1784	610.00	619.87	619.88	0.9	2212	392
TurkeyCreek	TurkeyCk	27177.36	Max WS	EX10y96h	1153	610.00	618.33	618.35	1.1	1374	394
TurkeyCreek	TurkeyCk	27177.36	Max WS	EX100y96h ARF	1784	610.00	619.86	619.87	1.2	1996	421
TurkeyCreek	TurkeyCk	27063.38	Max WS	EX10y96h	1154	610.00	618.32	618.34	1.1	1230	320
TurkeyCreek	TurkeyCk	27063.38	Max WS	EX100y96h ARF	1784	610.00	619.85	619.86	1.3	1745	357
TurkeyCreek	TurkeyCk	27047			Bridge						
TurkeyCreek	TurkeyCk	27030.15	Max WS	EX10y96h	1154	610.00	618.30	618.33	1.4	1094	316
TurkeyCreek	TurkeyCk	27030.15	Max WS	EX100y96h ARF	1784	610.00	619.83	619.86	1.4	1596	342
TurkeyCreek	TurkeyCk	26916.19	Max WS	EX10y96h	1154	610.00	618.29	618.32	1.5	1106	403
TurkeyCreek	TurkeyCk	26916.19	Max WS	EX100y96h ARF	1784	610.00	619.83	619.85	1.5	1782	475
TurkeyCreek	TurkeyCk	26828.25	Max WS	EX10y96h	1153	609.90	618.28	618.30	1.5	1090	394
TurkeyCreek	TurkeyCk	26828.25	Max WS	EX100y96h ARF	1784	609.90	619.82	619.84	1.5	1752	473
TurkeyCreek	TurkeyCk	26813			Bridge						
TurkeyCreek	TurkeyCk	26797.33	Max WS	EX10y96h	1154	609.90	618.26	618.29	1.7	1022	401
TurkeyCreek	TurkeyCk	26797.33	Max WS	EX100y96h ARF	1784	609.90	619.80	619.82	1.5	1676	443
TurkeyCreek	TurkeyCk	26683.12	Max WS	EX10y96h	1154	609.90	618.25	618.27	1.3	1132	370
TurkeyCreek	TurkeyCk	26683.12	Max WS	EX100y96h ARF	1784	609.90	619.79	619.81	1.3	1776	436
TurkeyCreek	TurkeyCk	26560.67	Max WS	EX10y96h	1153	609.80	618.23	618.26	1.6	1008	332
TurkeyCreek	TurkeyCk	26560.67	Max WS	EX100y96h ARF	1783	609.80	619.78	619.80	1.6	1550	365
TurkeyCreek	TurkeyCk	26541			Bridge						
TurkeyCreek	TurkeyCk	26521.25	Max WS	EX10y96h	1153	609.80	618.22	618.25	1.6	1036	351
TurkeyCreek	TurkeyCk	26521.25	Max WS	EX100y96h ARF	1784	609.80	619.76	619.79	1.5	1601	379
TurkeyCreek	TurkeyCk	26426.03	Max WS	EX10y96h	1153	609.80	618.22	618.24	1.1	1394	380
TurkeyCreek	TurkeyCk	26426.03	Max WS	EX100y96h ARF	1784	609.80	619.77	619.78	1.2	2019	432
TurkeyCreek	TurkeyCk	26325.89	Max WS	EX10y96h	1153	609.80	618.22	618.23	1.0	1518	854
TurkeyCreek	TurkeyCk	26325.89	Max WS	EX100y96h ARF	1784	609.80	619.76	619.78	1.1	2228	963
TurkeyCreek	TurkeyCk	26309			Bridge						
TurkeyCreek	TurkeyCk	26292.58	Max WS	EX10y96h	1154	609.70	618.21	618.22	1.2	1361	509
TurkeyCreek	TurkeyCk	26292.58	Max WS	EX100y96h ARF	1784	609.70	619.75	619.76	1.2	2123	768
TurkeyCreek	TurkeyCk	26224.64	Max WS	EX10y96h	1154	609.70	618.20	618.22	1.1	1470	473
TurkeyCreek	TurkeyCk	26224.64	Max WS	EX100y96h ARF	1784	609.70	619.75	619.76	1.1	2265	788
TurkeyCreek	TurkeyCk	26124.27	Max WS	EX10y96h	1153	609.70	618.20	618.21	0.9	1659	420
TurkeyCreek	TurkeyCk	26124.27	Max WS	EX100y96h ARF	1784	609.70	619.74	619.75	1.0	2341	492
TurkeyCreek	TurkeyCk	26005.49	Max WS	EX10y96h	1154	609.60	618.19	618.21	1.1	1430	383
TurkeyCreek	TurkeyCk	26005.49	Max WS	EX100y96h ARF	1784	609.60	619.74	619.75	1.1	2040	409
TurkeyCreek	TurkeyCk	25988			Bridge						
TurkeyCreek	TurkeyCk	25971.19	Max WS	EX10y96h	1153	609.70	618.16	618.19	1.5	1067	370
TurkeyCreek	TurkeyCk	25971.19	Max WS	EX100y96h ARF	1784	609.70	619.71	619.74	1.5	1668	407
TurkeyCreek	TurkeyCk	25880.10	Max WS	EX10y96h	1153	609.80	618.14	618.17	1.8	893	318
TurkeyCreek	TurkeyCk	25880.10	Max WS	EX100y96h ARF	1784	609.80	619.70	619.73	1.7	1411	348
TurkeyCreek	TurkeyCk	25681.32	Max WS	EX10y96h	1153	609.90	618.11	618.14	1.6	897	289

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	25681.32	Max WS	EX100y96h ARF	1784	609.90	619.67	619.70	1.7	1346	351
TurkeyCreek	TurkeyCk	25656			Bridge						
TurkeyCreek	TurkeyCk	25630.69	Max WS	EX10y96h	1153	609.90	618.09	618.12	1.6	958	324
TurkeyCreek	TurkeyCk	25630.69	Max WS	EX100y96h ARF	1783	609.90	619.66	619.69	1.6	1465	414
TurkeyCreek	TurkeyCk	25414.28	Max WS	EX10y96h	1152	610.00	618.08	618.09	1.1	1615	567
TurkeyCreek	TurkeyCk	25414.28	Max WS	EX100y96h ARF	1784	610.00	619.66	619.67	1.0	2585	680
TurkeyCreek	TurkeyCk	25271.19	Max WS	EX10y96h	1153	610.10	618.08	618.09	0.6	2695	704
TurkeyCreek	TurkeyCk	25271.19	Max WS	EX100y96h ARF	1784	610.10	619.66	619.66	0.6	3822	725
TurkeyCreek	TurkeyCk	25254			Bridge						
TurkeyCreek	TurkeyCk	25237.23	Max WS	EX10y96h	1153	610.10	618.08	618.08	0.5	2814	723
TurkeyCreek	TurkeyCk	25237.23	Max WS	EX100y96h ARF	1784	610.10	619.65	619.66	0.6	3969	744
TurkeyCreek	TurkeyCk	25181.13	Max WS	EX10y96h	1153	610.10	618.08	618.08	0.7	2195	618
TurkeyCreek	TurkeyCk	25181.13	Max WS	EX100y96h ARF	1783	610.10	619.65	619.66	0.7	3224	679
TurkeyCreek	TurkeyCk	25105.17	Max WS	EX10y96h	1153	610.20	618.06	618.08	1.2	1309	546
TurkeyCreek	TurkeyCk	25105.17	Max WS	EX100y96h ARF	1784	610.20	619.64	619.65	1.0	2318	587
TurkeyCreek	TurkeyCk	25072			Bridge						
TurkeyCreek	TurkeyCk	25038.19	Max WS	EX10y96h	1153	610.25	618.07	618.07	0.7	2064	509
TurkeyCreek	TurkeyCk	25038.19	Max WS	EX100y96h ARF	1784	610.25	619.64	619.64	0.8	2882	531
TurkeyCreek	TurkeyCk	24949.11	Max WS	EX10y96h	1153	610.30	618.06	618.07	0.6	2132	448
TurkeyCreek	TurkeyCk	24949.11	Max WS	EX100y96h ARF	1784	610.30	619.64	619.64	0.7	2851	467
TurkeyCreek	TurkeyCk	24770.60	Max WS	EX10y96h	1153	610.40	618.06	618.07	0.5	2615	481
TurkeyCreek	TurkeyCk	24770.60	Max WS	EX100y96h ARF	1784	610.40	619.63	619.64	0.6	3423	534
TurkeyCreek	TurkeyCk	24631.62	Max WS	EX10y96h	1153	610.50	618.05	618.06	1.1	1510	466
TurkeyCreek	TurkeyCk	24631.62	Max WS	EX100y96h ARF	1783	610.50	619.62	619.63	1.0	2263	493
TurkeyCreek	TurkeyCk	24621			Bridge						
TurkeyCreek	TurkeyCk	24610.76	Max WS	EX10y96h	1153	610.50	618.04	618.05	1.2	1320	437
TurkeyCreek	TurkeyCk	24610.76	Max WS	EX100y96h ARF	1784	610.50	619.61	619.63	1.2	2035	469
TurkeyCreek	TurkeyCk	24542.60	Max WS	EX10y96h	1153	610.50	618.04	618.04	0.6	2075	422
TurkeyCreek	TurkeyCk	24542.60	Max WS	EX100y96h ARF	1784	610.50	619.61	619.62	0.7	2821	499
TurkeyCreek	TurkeyCk	24473.51	Max WS	EX10y96h	1153	610.50	618.03	618.04	0.9	1652	440
TurkeyCreek	TurkeyCk	24473.51	Max WS	EX100y96h ARF	1783	610.50	619.61	619.62	1.0	2368	468
TurkeyCreek	TurkeyCk	24404.92	Max WS	EX10y96h	1153	610.50	618.02	618.04	1.4	1079	318
TurkeyCreek	TurkeyCk	24404.92	Max WS	EX100y96h ARF	1783	610.50	619.59	619.62	1.4	1598	341
TurkeyCreek	TurkeyCk	24379			Bridge						
TurkeyCreek	TurkeyCk	24354.06	Max WS	EX10y96h	1153	610.60	618.01	618.03	1.3	1178	341
TurkeyCreek	TurkeyCk	24354.06	Max WS	EX100y96h ARF	1783	610.60	619.59	619.61	1.3	1742	373
TurkeyCreek	TurkeyCk	24213.36	Max WS	EX10y96h	1153	610.75	617.99	618.01	1.5	1141	384
TurkeyCreek	TurkeyCk	24213.36	Max WS	EX100y96h ARF	1783	610.75	619.58	619.60	1.4	1783	425
TurkeyCreek	TurkeyCk	23821.64	Max WS	EX10y96h	1153	611.00	617.95	617.97	1.3	2023	717
TurkeyCreek	TurkeyCk	23821.64	Max WS	EX100y96h ARF	1784	611.00	619.55	619.57	1.3	3249	807
TurkeyCreek	TurkeyCk	23658.74	Max WS	EX10y96h	1153	610.92	617.94	617.95	1.2	2184	754
TurkeyCreek	TurkeyCk	23658.74	Max WS	EX100y96h ARF	1783	610.92	619.55	619.56	1.2	3270	831
TurkeyCreek	TurkeyCk	23314.00	Max WS	EX10y96h	1153	611.25	617.89	617.92	1.8	1220	438
TurkeyCreek	TurkeyCk	23314.00	Max WS	EX100y96h ARF	1784	611.25	619.50	619.53	1.7	1986	497
TurkeyCreek	TurkeyCk	22924.77	Max WS	EX10y96h	1152	611.44	617.82	617.85	1.6	982	439
TurkeyCreek	TurkeyCk	22924.77	Max WS	EX100y96h ARF	1783	611.44	619.47	619.49	1.4	1765	493
TurkeyCreek	TurkeyCk	22863.38	Max WS	EX10y96h	1152	611.24	617.79	617.84	2.2	783	358
TurkeyCreek	TurkeyCk	22863.38	Max WS	EX100y96h ARF	1783	611.24	619.45	619.48	1.8	1428	410
TurkeyCreek	TurkeyCk	22853			Bridge						
TurkeyCreek	TurkeyCk	22841.85	Max WS	EX10y96h	1152	611.20	617.75	617.81	2.2	680	267

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	22841.85	Max WS	EX100y96h ARF	1783	611.20	619.41	619.46	2.1	1254	385
TurkeyCreek	TurkeyCk	22800.98	Max WS	EX10y96h	1152	611.00	617.75	617.80	1.8	775	259
TurkeyCreek	TurkeyCk	22800.98	Max WS	EX100y96h ARF	1783	611.00	619.41	619.45	1.9	1353	406
TurkeyCreek	TurkeyCk	22731.00	Max WS	EX10y96h	1152	610.00	617.77	617.78	1.1	1419	430
TurkeyCreek	TurkeyCk	22731.00	Max WS	EX100y96h ARF	1784	610.00	619.43	619.44	1.2	2214	537
TurkeyCreek	TurkeyCk	22686.77	Max WS	EX10y96h	1152	609.50	617.76	617.78	1.4	1291	425
TurkeyCreek	TurkeyCk	22686.77	Max WS	EX100y96h ARF	1783	609.50	619.42	619.44	1.3	2085	516
TurkeyCreek	TurkeyCk	22671			Bridge						
TurkeyCreek	TurkeyCk	22655.33	Max WS	EX10y96h	1153	609.50	617.76	617.78	1.2	1413	453
TurkeyCreek	TurkeyCk	22655.33	Max WS	EX100y96h ARF	1783	609.50	619.41	619.43	1.2	2240	522
TurkeyCreek	TurkeyCk	22552.79	Max WS	EX10y96h	1152	610.00	617.74	617.77	1.4	914	312
TurkeyCreek	TurkeyCk	22552.79	Max WS	EX100y96h ARF	1783	610.00	619.39	619.42	1.6	1311	365
TurkeyCreek	TurkeyCk	22400.67	Max WS	EX10y96h	1152	611.18	617.69	617.75	2.1	677	507
TurkeyCreek	TurkeyCk	22400.67	Max WS	EX100y96h ARF	1783	611.18	619.33	619.41	2.4	905	560
TurkeyCreek	TurkeyCk	22345			Bridge						
TurkeyCreek	TurkeyCk	22305.01	Max WS	EX10y96h	1152	610.16	617.25	617.35	2.6	445	373
TurkeyCreek	TurkeyCk	22305.01	Max WS	EX100y96h ARF	1784	610.16	618.88	619.02	3.0	589	430
TurkeyCreek	TurkeyCk	22279.23	Max WS	EX10y96h	1152	610.14	617.21	617.34	3.0	451	352
TurkeyCreek	TurkeyCk	22279.23	Max WS	EX100y96h ARF	1783	610.14	618.86	619.02	3.4	646	392
TurkeyCreek	TurkeyCk	22270			Bridge						
TurkeyCreek	TurkeyCk	22261.53	Max WS	EX10y96h	1153	610.12	617.25	617.33	2.3	545	354
TurkeyCreek	TurkeyCk	22261.53	Max WS	EX100y96h ARF	1783	610.12	618.91	619.00	2.5	761	402
TurkeyCreek	TurkeyCk	22243.05	Max WS	EX10y96h	1152	610.10	617.28	617.32	1.7	729	337
TurkeyCreek	TurkeyCk	22243.05	Max WS	EX100y96h ARF	1784	610.10	618.94	618.99	1.9	975	383
TurkeyCreek	TurkeyCk	22173.05	Max WS	EX10y96h	1152	609.75	617.29	617.31	1.3	961	204
TurkeyCreek	TurkeyCk	22173.05	Max WS	EX100y96h ARF	1783	609.75	618.95	618.98	1.5	1335	254
TurkeyCreek	TurkeyCk	22107.78	Max WS	EX10y96h	1152	609.50	617.27	617.31	1.6	753	199
TurkeyCreek	TurkeyCk	22107.78	Max WS	EX100y96h ARF	1783	609.50	618.92	618.98	1.9	977	212
TurkeyCreek	TurkeyCk	22039.04	Max WS	EX10y96h	1152	608.80	617.15	617.29	3.1	378	83
TurkeyCreek	TurkeyCk	22039.04	Max WS	EX100y96h ARF	1784	608.80	618.77	618.96	3.5	512	97
TurkeyCreek	TurkeyCk	22013			Bridge						
TurkeyCreek	TurkeyCk	21986.38	Max WS	EX10y96h	1152	608.60	617.03	617.20	3.3	351	61
TurkeyCreek	TurkeyCk	21986.38	Max WS	EX100y96h ARF	1784	608.60	618.58	618.83	4.0	448	65
TurkeyCreek	TurkeyCk	21894.37	Max WS	EX10y96h	1152	608.90	617.09	617.13	1.9	898	311
TurkeyCreek	TurkeyCk	21894.37	Max WS	EX100y96h ARF	1783	608.90	618.68	618.73	2.2	1208	330
TurkeyCreek	TurkeyCk	21616.71	Max WS	EX10y96h	1152	608.64	617.05	617.06	1.1	1830	397
TurkeyCreek	TurkeyCk	21616.71	Max WS	EX100y96h ARF	1783	608.64	618.65	618.67	1.2	2480	413
TurkeyCreek	TurkeyCk	21177.38	Max WS	EX10y96h	1152	608.22	617.02	617.02	1.0	2253	658
TurkeyCreek	TurkeyCk	21177.38	Max WS	EX100y96h ARF	1783	608.22	618.63	618.63	1.0	3346	699
TurkeyCreek	TurkeyCk	20757.41	Max WS	EX10y96h	1423	607.82	616.96	616.98	1.2	1894	537
TurkeyCreek	TurkeyCk	20757.41	Max WS	EX100y96h ARF	2194	607.82	618.58	618.60	1.2	2792	568
TurkeyCreek	TurkeyCk	20449	Max WS	EX10y96h	1423	607.52	616.88	616.91	1.9	1509	437
TurkeyCreek	TurkeyCk	20449	Max WS	EX100y96h ARF	2193	607.52	618.52	618.55	1.9	2234	449
TurkeyCreek	TurkeyCk	20214	Max WS	EX10y96h	1422	607.30	616.80	616.83	2.0	1498	396
TurkeyCreek	TurkeyCk	20214	Max WS	EX100y96h ARF	2194	607.30	618.45	618.48	2.1	2162	407
TurkeyCreek	TurkeyCk	19957	Max WS	EX10y96h	1423	607.05	616.70	616.73	2.0	1403	298
TurkeyCreek	TurkeyCk	19957	Max WS	EX100y96h ARF	2193	607.05	618.36	618.40	2.3	1924	370
TurkeyCreek	TurkeyCk	19621	Max WS	EX10y96h	1422	606.73	616.62	616.64	1.6	1735	330
TurkeyCreek	TurkeyCk	19621	Max WS	EX100y96h ARF	2193	606.73	618.28	618.31	1.8	2290	337
TurkeyCreek	TurkeyCk	19444	Max WS	EX10y96h	1422	606.56	616.55	616.60	2.3	1096	232
TurkeyCreek	TurkeyCk	19444	Max WS	EX100y96h ARF	2193	606.56	618.20	618.27	2.7	1488	241

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	19245	Max WS	EX10y96h	1422	606.38	616.33	616.52	3.6	480	92
TurkeyCreek	TurkeyCk	19245	Max WS	EX100y96h ARF	2193	606.38	617.94	618.20	4.3	632	98
TurkeyCreek	TurkeyCk	19056	Max WS	EX10y96h	1422	606.19	616.28	616.35	2.7	1071	244
TurkeyCreek	TurkeyCk	19056	Max WS	EX100y96h ARF	2193	606.19	617.92	618.00	3.0	1490	264
TurkeyCreek	TurkeyCk	18835	Max WS	EX10y96h	1422	605.98	615.61	616.17	6.1	257	83
TurkeyCreek	TurkeyCk	18835	Max WS	EX100y96h ARF	2193	605.98	617.26	617.88	6.7	419	108
TurkeyCreek	TurkeyCk	18669	Max WS	EX10y96h	1422	605.83	614.71	615.46	7.0	205	43
TurkeyCreek	TurkeyCk	18669	Max WS	EX100y96h ARF	2193	605.83	616.20	617.22	8.1	274	50
TurkeyCreek	TurkeyCk	18578	Max WS	EX10y96h	1422	605.74	614.70	615.14	5.3	274	55
TurkeyCreek	TurkeyCk	18578	Max WS	EX100y96h ARF	2193	605.74	616.31	616.88	6.2	409	110
TurkeyCreek	TurkeyCk	18516			Bridge						
TurkeyCreek	TurkeyCk	18455	Max WS	EX10y96h	1422	605.62	614.05	614.39	4.7	316	92
TurkeyCreek	TurkeyCk	18455	Max WS	EX100y96h ARF	2193	605.62	615.43	615.87	5.4	455	106
TurkeyCreek	TurkeyCk	18392	Max WS	EX10y96h	1422	605.56	613.79	614.26	5.5	259	57
TurkeyCreek	TurkeyCk	18392	Max WS	EX100y96h ARF	2193	605.56	615.07	615.74	6.6	334	61
TurkeyCreek	TurkeyCk	18218	Max WS	EX10y96h	1422	605.40	613.55	613.90	4.7	301	64
TurkeyCreek	TurkeyCk	18218	Max WS	EX100y96h ARF	2192	605.40	614.84	615.34	5.7	389	126
TurkeyCreek	TurkeyCk	18032	Max WS	EX10y96h	1422	605.22	613.52	613.63	3.3	684	236
TurkeyCreek	TurkeyCk	18032	Max WS	EX100y96h ARF	2192	605.22	614.91	615.02	3.5	1033	259
TurkeyCreek	TurkeyCk	17803	Max WS	EX10y96h	1422	605.00	613.40	613.46	2.6	850	254
TurkeyCreek	TurkeyCk	17803	Max WS	EX100y96h ARF	2192	605.00	614.82	614.89	2.9	1265	308
TurkeyCreek	TurkeyCk	17589	Max WS	EX10y96h	1422	604.40	613.27	613.37	3.1	910	347
TurkeyCreek	TurkeyCk	17589	Max WS	EX100y96h ARF	2192	604.40	614.73	614.82	3.2	1523	474
TurkeyCreek	TurkeyCk	17259	Max WS	EX10y96h	1422	603.90	613.18	613.22	2.3	1205	394
TurkeyCreek	TurkeyCk	17259	Max WS	EX100y96h ARF	2192	603.90	614.65	614.69	2.4	1792	413
TurkeyCreek	TurkeyCk	17124	Max WS	EX10y96h	1422	603.70	613.13	613.17	2.3	1385	513
TurkeyCreek	TurkeyCk	17124	Max WS	EX100y96h ARF	2192	603.70	614.62	614.65	2.2	2156	521
TurkeyCreek	TurkeyCk	16917	Max WS	EX10y96h	1422	603.60	613.08	613.10	1.3	1910	669
TurkeyCreek	TurkeyCk	16917	Max WS	EX100y96h ARF	2192	603.60	614.59	614.60	1.2	2939	694
TurkeyCreek	TurkeyCk	16494	Max WS	EX10y96h	1422	603.50	613.02	613.03	1.3	1845	566
TurkeyCreek	TurkeyCk	16494	Max WS	EX100y96h ARF	2192	603.50	614.55	614.56	1.3	2717	575
TurkeyCreek	TurkeyCk	16288	Max WS	EX10y96h	1422	603.40	612.97	612.99	1.6	1568	471
TurkeyCreek	TurkeyCk	16288	Max WS	EX100y96h ARF	2191	603.40	614.51	614.53	1.6	2299	478
TurkeyCreek	TurkeyCk	15975	Max WS	EX10y96h	1422	603.30	612.91	612.93	1.5	1534	433
TurkeyCreek	TurkeyCk	15975	Max WS	EX100y96h ARF	2191	603.30	614.47	614.48	1.5	2218	447
TurkeyCreek	TurkeyCk	15724	Max WS	EX10y96h	1422	603.20	612.83	612.87	2.1	1109	332
TurkeyCreek	TurkeyCk	15724	Max WS	EX100y96h ARF	2191	603.20	614.40	614.44	2.1	1674	394
TurkeyCreek	TurkeyCk	15587	Max WS	EX10y96h	1566	603.10	612.78	612.82	1.9	1060	305
TurkeyCreek	TurkeyCk	15587	Max WS	EX100y96h ARF	2395	603.10	614.35	614.40	1.9	1559	329
TurkeyCreek	TurkeyCk	15472	Max WS	EX10y96h	1566	603.00	612.67	612.75	3.0	778	270
TurkeyCreek	TurkeyCk	15472	Max WS	EX100y96h ARF	2392	603.00	614.28	614.35	2.8	1237	301
TurkeyCreek	TurkeyCk	15271	Max WS	EX10y96h	1566	603.00	612.62	612.64	1.8	1362	362
TurkeyCreek	TurkeyCk	15271	Max WS	EX100y96h ARF	2392	603.00	614.25	614.28	1.8	1968	378
TurkeyCreek	TurkeyCk	15130	Max WS	EX10y96h	1566	603.00	612.59	612.61	1.6	1571	459
TurkeyCreek	TurkeyCk	15130	Max WS	EX100y96h ARF	2392	603.00	614.24	614.26	1.5	2340	474
TurkeyCreek	TurkeyCk	14901	Max WS	EX10y96h	1565	602.90	612.56	612.57	1.3	1880	446
TurkeyCreek	TurkeyCk	14901	Max WS	EX100y96h ARF	2391	602.90	614.22	614.23	1.3	2633	462
TurkeyCreek	TurkeyCk	14694	Max WS	EX10y96h	1565	602.70	612.53	612.55	1.4	1690	394
TurkeyCreek	TurkeyCk	14694	Max WS	EX100y96h ARF	2390	602.70	614.19	614.21	1.4	2352	403
TurkeyCreek	TurkeyCk	14500	Max WS	EX10y96h	1565	602.70	612.51	612.52	1.3	1797	412
TurkeyCreek	TurkeyCk	14500	Max WS	EX100y96h ARF	2390	602.70	614.17	614.19	1.4	2488	419

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	14254	Max WS	EX10y96h	1565	602.50	612.49	612.49	0.8	2625	532
TurkeyCreek	TurkeyCk	14254	Max WS	EX100y96h ARF	2389	602.50	614.16	614.16	0.9	3524	547
TurkeyCreek	TurkeyCk	14081	Max WS	EX10y96h	1565	602.50	612.48	612.48	0.8	2692	507
TurkeyCreek	TurkeyCk	14081	Max WS	EX100y96h ARF	2388	602.50	614.15	614.15	0.9	3550	520
TurkeyCreek	TurkeyCk	13909	Max WS	EX10y96h	1565	602.50	612.46	612.47	1.0	2284	437
TurkeyCreek	TurkeyCk	13909	Max WS	EX100y96h ARF	2387	602.50	614.13	614.14	1.1	3019	442
TurkeyCreek	TurkeyCk	13580	Max WS	EX10y96h	1565	602.30	612.40	612.43	1.9	1142	238
TurkeyCreek	TurkeyCk	13580	Max WS	EX100y96h ARF	2384	602.30	614.07	614.11	2.1	1547	248
TurkeyCreek	TurkeyCk	13356	Max WS	EX10y96h	1565	602.10	612.33	612.37	1.9	1060	226
TurkeyCreek	TurkeyCk	13356	Max WS	EX100y96h ARF	2382	602.10	614.00	614.05	2.1	1389	247
TurkeyCreek	TurkeyCk	13150	Max WS	EX10y96h	1565	602.20	612.15	612.30	3.4	601	147
TurkeyCreek	TurkeyCk	13150	Max WS	EX100y96h ARF	2369	602.20	613.81	613.99	3.8	866	168
TurkeyCreek	TurkeyCk	13085			Bridge						
TurkeyCreek	TurkeyCk	13020	Max WS	EX10y96h	1564	602.30	611.94	612.12	3.6	556	119
TurkeyCreek	TurkeyCk	13020	Max WS	EX100y96h ARF	2329	602.30	613.52	613.74	4.2	755	132
TurkeyCreek	TurkeyCk	12967	Max WS	EX10y96h	1564	602.00	611.96	612.08	3.3	907	206
TurkeyCreek	TurkeyCk	12967	Max WS	EX100y96h ARF	2336	602.00	613.55	613.70	3.7	1243	216
TurkeyCreek	TurkeyCk	12836	Max WS	EX10y96h	1563	602.20	611.92	612.00	2.6	1021	251
TurkeyCreek	TurkeyCk	12836	Max WS	EX100y96h ARF	2334	602.20	613.53	613.61	2.8	1433	260
TurkeyCreek	TurkeyCk	12718	Max WS	EX10y96h	1563	602.30	611.89	611.93	2.0	1604	402
TurkeyCreek	TurkeyCk	12718	Max WS	EX100y96h ARF	2331	602.30	613.52	613.55	2.1	2262	410
TurkeyCreek	TurkeyCk	12536	Max WS	EX10y96h	1563	602.60	611.87	611.88	1.6	2066	505
TurkeyCreek	TurkeyCk	12536	Max WS	EX100y96h ARF	2327	602.60	613.50	613.51	1.6	2899	515
TurkeyCreek	TurkeyCk	12244	Max WS	EX10y96h	1563	603.00	611.80	611.83	1.7	1856	433
TurkeyCreek	TurkeyCk	12244	Max WS	EX100y96h ARF	2322	603.00	613.45	613.47	1.8	2572	439
TurkeyCreek	TurkeyCk	11927	Max WS	EX10y96h	1563	603.10	611.72	611.75	2.0	1647	399
TurkeyCreek	TurkeyCk	11927	Max WS	EX100y96h ARF	2313	603.10	613.38	613.41	2.0	2317	408
TurkeyCreek	TurkeyCk	11687	Max WS	EX10y96h	1563	603.50	611.67	611.69	1.6	2131	538
TurkeyCreek	TurkeyCk	11687	Max WS	EX100y96h ARF	2310	603.50	613.34	613.36	1.6	3041	548
TurkeyCreek	TurkeyCk	11449	Max WS	EX10y96h	1563	603.10	611.62	611.63	1.4	2222	519
TurkeyCreek	TurkeyCk	11449	Max WS	EX100y96h ARF	2305	603.10	613.30	613.32	1.5	3106	529
TurkeyCreek	TurkeyCk	11232	Max WS	EX10y96h	1562	603.00	611.46	611.53	2.9	1022	246
TurkeyCreek	TurkeyCk	11232	Max WS	EX100y96h ARF	2287	603.00	613.18	613.25	3.0	1450	254
TurkeyCreek	TurkeyCk	11119	Max WS	EX10y96h	1561	602.50	611.26	611.44	3.6	597	169
TurkeyCreek	TurkeyCk	11119	Max WS	EX100y96h ARF	2269	602.50	613.00	613.18	3.8	902	181
TurkeyCreek	TurkeyCk	11013	Max WS	EX10y96h	1559	601.40	610.96	611.30	4.9	378	93
TurkeyCreek	TurkeyCk	11013	Max WS	EX100y96h ARF	2234	601.40	612.74	613.08	5.0	563	115
TurkeyCreek	TurkeyCk	10970			Bridge						
TurkeyCreek	TurkeyCk	10927	Max WS	EX10y96h	1551	601.20	610.65	611.08	5.5	329	69
TurkeyCreek	TurkeyCk	10927	Max WS	EX100y96h ARF	2182	601.20	612.42	612.86	5.6	460	79
TurkeyCreek	TurkeyCk	10905	Max WS	EX10y96h	1548	601.20	610.59	611.03	5.4	306	61
TurkeyCreek	TurkeyCk	10905	Max WS	EX100y96h ARF	2162	601.20	612.33	612.82	5.7	419	69
TurkeyCreek	TurkeyCk	10800			Bridge						
TurkeyCreek	TurkeyCk	10656	Max WS	EX10y96h	1547	600.80	610.47	610.72	4.0	408	103
TurkeyCreek	TurkeyCk	10656	Max WS	EX100y96h ARF	2154	600.80	612.30	612.54	4.1	639	141
TurkeyCreek	TurkeyCk	10552	Max WS	EX10y96h	1528	600.80	610.02	610.50	5.6	275	66
TurkeyCreek	TurkeyCk	10552	Max WS	EX100y96h ARF	2103	600.80	611.99	612.41	5.3	434	98
TurkeyCreek	TurkeyCk	10251	Max WS	EX10y96h	1484	600.90	609.79	609.81	1.1	1481	278
TurkeyCreek	TurkeyCk	10251	Max WS	EX100y96h ARF	2100	600.90	611.92	611.94	1.2	2088	290
TurkeyCreek	TurkeyCk	9979	Max WS	EX10y96h	1482	600.90	609.74	609.77	1.3	1305	266
TurkeyCreek	TurkeyCk	9979	Max WS	EX100y96h ARF	2095	600.90	611.89	611.92	1.3	1916	293

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
TurkeyCreek	TurkeyCk	9783	Max WS	EX10y96h	1472	601.00	609.72	609.73	1.2	1879	488
TurkeyCreek	TurkeyCk	9783	Max WS	EX100y96h ARF	2094	601.00	611.89	611.90	1.0	2948	507
TurkeyCreek	TurkeyCk	9526	Max WS	EX10y96h	1454	600.90	609.63	609.67	2.1	991	229
TurkeyCreek	TurkeyCk	9526	Max WS	EX100y96h ARF	2082	600.90	611.83	611.86	1.9	1505	238
TurkeyCreek	TurkeyCk	9168	Max WS	EX10y96h	1439	600.90	609.49	609.54	2.2	1103	509
TurkeyCreek	TurkeyCk	9168	Max WS	EX100y96h ARF	2074	600.90	611.75	611.79	2.0	1811	526
TurkeyCreek	TurkeyCk	8838	Max WS	EX10y96h	1426	601.00	609.42	609.43	1.2	1886	505
TurkeyCreek	TurkeyCk	8838	Max WS	EX100y96h ARF	2074	601.00	611.72	611.73	1.0	3075	524
TurkeyCreek	TurkeyCk	8503	Max WS	EX10y96h	1410	601.00	609.37	609.39	1.2	1516	330
TurkeyCreek	TurkeyCk	8503	Max WS	EX100y96h ARF	2069	601.00	611.70	611.71	1.2	2296	346
TurkeyCreek	TurkeyCk	8221	Max WS	EX10y96h	1407	601.00	609.35	609.36	1.2	2202	551
TurkeyCreek	TurkeyCk	8221	Max WS	EX100y96h ARF	2071	601.00	611.69	611.69	1.0	3509	569
TurkeyCreek	TurkeyCk	8013	Max WS	EX10y96h	1408	601.00	609.34	609.34	0.9	4271	1150
TurkeyCreek	TurkeyCk	8013	Max WS	EX100y96h ARF	2071	601.00	611.68	611.69	0.8	7011	1177
TurkeyCreek	TurkeyCk	7673	Max WS	EX10y96h	1407	601.00	609.31	609.32	1.2	3226	784
TurkeyCreek	TurkeyCk	7673	Max WS	EX100y96h ARF	2069	601.00	611.67	611.68	1.1	5094	802
TurkeyCreek	TurkeyCk	7223	Max WS	EX10y96h	1398	600.80	609.26	609.27	1.4	2064	427
TurkeyCreek	TurkeyCk	7223	Max WS	EX100y96h ARF	2063	600.80	611.64	611.65	1.4	3092	438
TurkeyCreek	TurkeyCk	6947	Max WS	EX10y96h	1386	600.50	609.20	609.23	1.9	1669	404
TurkeyCreek	TurkeyCk	6947	Max WS	EX100y96h ARF	2062	600.50	611.60	611.62	1.8	2658	419
TurkeyCreek	TurkeyCk	6829	Max WS	EX10y96h	1386	600.50	609.18	609.20	1.8	1875	462
TurkeyCreek	TurkeyCk	6829	Max WS	EX100y96h ARF	2058	600.50	611.59	611.61	1.7	2885	475
TurkeyCreek	TurkeyCk	6686	Max WS	EX10y96h	1362	600.00	609.08	609.16	2.5	637	397
TurkeyCreek	TurkeyCk	6686	Max WS	EX100y96h ARF	2051	600.00	611.50	611.59	2.6	927	410
TurkeyCreek	TurkeyCk	6600			Bridge						
TurkeyCreek	TurkeyCk	6557	Max WS	EX10y96h	1362	599.30	608.85	608.91	2.2	776	242
TurkeyCreek	TurkeyCk	6557	Max WS	EX100y96h ARF	2046	599.30	611.48	611.53	2.0	1231	249
TurkeyCreek	TurkeyCk	6407	Max WS	EX10y96h	1351	599.20	608.81	608.84	1.5	1045	206
TurkeyCreek	TurkeyCk	6407	Max WS	EX100y96h ARF	2050	599.20	611.46	611.49	1.4	1632	233
TurkeyCreek	TurkeyCk	6204	Max WS	EX10y96h	1341	599.20	608.71	608.76	2.2	994	228
TurkeyCreek	TurkeyCk	6204	Max WS	EX100y96h ARF	2041	599.20	611.41	611.44	2.0	1627	242
TurkeyCreek	TurkeyCk	5151	Max WS	EX10y96h	1300	599.40	608.35	608.36	0.8	2667	578
TurkeyCreek	TurkeyCk	5151	Max WS	EX100y96h ARF	2022	599.40	611.22	611.22	0.7	4383	622
TurkeyCreek	TurkeyCk	2193	Max WS	EX10y96h	1284	597.99	608.22	608.22	0.5	4455	792
TurkeyCreek	TurkeyCk	2193	Max WS	EX100y96h ARF	2015	597.99	611.14	611.15	0.5	6793	806
TurkeyCreek	TurkeyCk	500	Max WS	EX10y96h	1366	596.89	608.19	608.19	0.2	5890	587
TurkeyCreek	TurkeyCk	500	Max WS	EX100y96h ARF	2155	596.89	611.12	611.12	0.3	7629	598
TurkeyCreek	TurkeyCk	50	Max WS	EX10y96h	1365	597.00	608.18	608.19	0.3	5714	764
TurkeyCreek	TurkeyCk	50	Max WS	EX100y96h ARF	2155	597.00	611.12	611.12	0.4	7971	773
LCal	LCal	2575	Max WS	EX10y96h	199	581.22	592.79	592.79	0.1	3149	838
LCal	LCal	2575	Max WS	EX100y96h ARF	154	581.22	595.19	595.19	0.1	5327	992
LCal	LCal	2359	Max WS	EX10y96h	199	581.45	592.79	592.79	0.1	4133	1112
LCal	LCal	2359	Max WS	EX100y96h ARF	152	581.45	595.19	595.19	0.0	6813	1118
LCal	LCal	2327 2330			Bridge						
LCal	LCal	2310	Max WS	EX10y96h	199	581.44	592.79	592.79	0.1	4111	1170
LCal	LCal	2310	Max WS	EX100y96h ARF	154	581.44	595.19	595.19	0.0	6931	1177
LCal	LCal	2172	Max WS	EX10y96h	198	578.71	592.79	592.79	0.1	3048	1062
LCal	LCal	2172	Max WS	EX100y96h ARF	152	578.71	595.19	595.19	0.0	5931	1284
LCal	LCal	2000			Culvert						
LCal	LCal	1749	Max WS	EX10y96h	163	578.71	592.72	592.72	0.2	810	347
LCal	LCal	1749	Max WS	EX100y96h ARF	116	578.71	595.15	595.15	0.1	2295	936

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
LCal	LCal	1559	Max WS	EX10y96h	163	580.23	592.72	592.72	0.3	738	418
LCal	LCal	1559	Max WS	EX100y96h ARF	116	580.23	595.15	595.15	0.1	2357	862
LCal	LCal	1414	Max WS	EX10y96h	159	579.76	592.72	592.72	0.3	595	179
LCal	LCal	1414	Max WS	EX100y96h ARF	117	579.76	595.15	595.15	0.1	1080	250
LCal	LCal	1295 1300			Culvert						
LCal	LCal	1176	Max WS	EX10y96h	131	578.63	592.67	592.67	0.2	829	122
LCal	LCal	1176	Max WS	EX100y96h ARF	103	578.63	595.12	595.12	0.1	1549	359
LCal	LCal	1175 1175			Lat Struct						
LCal	LCal	716	Max WS	EX10y96h	131	578.19	592.67	592.67	0.2	723	83
LCal	LCal	716	Max WS	EX100y96h ARF	149	578.19	595.12	595.12	0.2	949	97
LCal	LCal	173	Max WS	EX10y96h	131	576.86	592.67	592.67	0.2	646	76
LCal	LCal	173	Max WS	EX100y96h ARF	179	576.86	595.11	595.11	0.2	843	85
Duck Ck	DuckCk	20671	Max WS	EX10y96h	272	608.33	615.27	615.30	1.5	208	144
Duck Ck	DuckCk	20671	Max WS	EX100y96h ARF	429	608.33	616.21	616.25	1.7	364	211
Duck Ck	DuckCk	20491	Max WS	EX10y96h	272	608.33	615.15	615.18	1.5	184	100
Duck Ck	DuckCk	20491	Max WS	EX100y96h ARF	429	608.33	616.04	616.10	2.0	218	166
Duck Ck	DuckCk	20464			Bridge						
Duck Ck	DuckCk	20432	Max WS	EX10y96h	272	608.20	615.02	615.07	1.8	154	45
Duck Ck	DuckCk	20432	Max WS	EX100y96h ARF	429	608.20	615.82	615.90	2.4	183	112
Duck Ck	DuckCk	20216	Max WS	EX10y96h	272	608.00	614.82	614.86	1.6	183	108
Duck Ck	DuckCk	20216	Max WS	EX100y96h ARF	429	608.00	615.52	615.59	2.1	269	172
Duck Ck	DuckCk	20113	Max WS	EX10y96h	272	607.93	614.68	614.73	1.9	184	179
Duck Ck	DuckCk	20113	Max WS	EX100y96h ARF	429	607.93	615.38	615.44	2.1	353	283
Duck Ck	DuckCk	19892	Max WS	EX10y96h	272	607.77	614.45	614.48	1.4	247	158
Duck Ck	DuckCk	19892	Max WS	EX100y96h ARF	429	607.77	615.12	615.16	1.8	371	195
Duck Ck	DuckCk	19622	Max WS	EX10y96h	272	607.58	614.25	614.30	1.7	228	250
Duck Ck	DuckCk	19622	Max WS	EX100y96h ARF	429	607.58	614.90	614.95	2.0	425	319
Duck Ck	DuckCk	18735	Max WS	EX10y96h	272	606.94	613.43	613.47	1.7	206	195
Duck Ck	DuckCk	18735	Max WS	EX100y96h ARF	429	606.94	614.07	614.12	2.0	345	224
Duck Ck	DuckCk	18561	Max WS	EX10y96h	272	606.81	613.25	613.28	1.5	286	240
Duck Ck	DuckCk	18561	Max WS	EX100y96h ARF	429	606.81	613.87	613.90	1.7	437	248
Duck Ck	DuckCk	17903	Max WS	EX10y96h	272	606.34	612.56	612.62	2.2	228	226
Duck Ck	DuckCk	17903	Max WS	EX100y96h ARF	428	606.34	613.22	613.28	2.4	382	236
Duck Ck	DuckCk	17603	Max WS	EX10y96h	272	606.13	612.03	612.07	1.8	221	192
Duck Ck	DuckCk	17603	Max WS	EX100y96h ARF	428	606.13	612.74	612.78	2.0	364	208
Duck Ck	DuckCk	17126	Max WS	EX10y96h	272	605.78	611.34	611.39	2.0	223	212
Duck Ck	DuckCk	17126	Max WS	EX100y96h ARF	427	605.78	612.26	612.30	1.9	441	251
Duck Ck	DuckCk	16884	Max WS	EX10y96h	272	605.61	611.15	611.17	1.3	358	168
Duck Ck	DuckCk	16884	Max WS	EX100y96h ARF	427	605.61	612.12	612.14	1.4	524	178
Duck Ck	DuckCk	16463	Max WS	EX10y96h	272	605.31	610.91	610.94	1.5	275	214
Duck Ck	DuckCk	16463	Max WS	EX100y96h ARF	426	605.31	611.94	611.97	1.5	499	222
Duck Ck	DuckCk	16241	Max WS	EX10y96h	272	605.15	610.74	610.76	1.5	299	197
Duck Ck	DuckCk	16241	Max WS	EX100y96h ARF	426	605.15	611.82	611.84	1.4	517	206
Duck Ck	DuckCk	16059	Max WS	EX10y96h	272	605.02	610.63	610.64	1.0	405	238
Duck Ck	DuckCk	16059	Max WS	EX100y96h ARF	426	605.02	611.74	611.75	1.0	674	244
Duck Ck	DuckCk	15912	Max WS	EX10y96h	272	604.91	610.50	610.54	1.6	171	92
Duck Ck	DuckCk	15912	Max WS	EX100y96h ARF	425	604.91	611.62	611.67	1.9	230	176
Duck Ck	DuckCk	15884			Bridge						
Duck Ck	DuckCk	15850	Max WS	EX10y96h	272	604.96	610.22	610.29	2.1	130	171
Duck Ck	DuckCk	15850	Max WS	EX100y96h ARF	424	604.96	611.21	611.31	2.5	169	201
Duck Ck	DuckCk	15754	Max WS	EX10y96h	272	605.18	610.06	610.11	1.9	196	268

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Duck Ck	DuckCk	15754	Max WS	EX100y96h ARF	423	605.18	611.09	611.14	2.0	335	282
Duck Ck	DuckCk	15534	Max WS	EX10y96h	272	604.21	609.74	609.79	2.0	203	128
Duck Ck	DuckCk	15534	Max WS	EX100y96h ARF	422	604.21	610.86	610.90	2.0	351	134
Duck Ck	DuckCk	15313	Max WS	EX10y96h	272	604.20	609.51	609.54	1.5	332	249
Duck Ck	DuckCk	15313	Max WS	EX100y96h ARF	421	604.20	610.72	610.73	1.3	637	255
Duck Ck	DuckCk	15077	Max WS	EX10y96h	272	604.57	609.28	609.31	1.7	314	237
Duck Ck	DuckCk	15077	Max WS	EX100y96h ARF	421	604.57	610.62	610.63	1.3	642	251
Duck Ck	DuckCk	14853	Max WS	EX10y96h	272	603.58	609.15	609.17	1.2	492	352
Duck Ck	DuckCk	14853	Max WS	EX100y96h ARF	421	603.58	610.58	610.58	0.8	1002	364
Duck Ck	DuckCk	14584	Max WS	EX10y96h	272	603.86	609.07	609.08	1.0	399	214
Duck Ck	DuckCk	14584	Max WS	EX100y96h ARF	421	603.86	610.54	610.55	0.8	725	226
Duck Ck	DuckCk	14275	Max WS	EX10y96h	272	602.94	608.99	609.00	1.0	445	203
Duck Ck	DuckCk	14275	Max WS	EX100y96h ARF	420	602.94	610.51	610.51	0.8	757	209
Duck Ck	DuckCk	14091	Max WS	EX10y96h	272	603.32	608.84	608.88	1.6	172	59
Duck Ck	DuckCk	14091	Max WS	EX100y96h ARF	420	603.32	610.41	610.45	1.6	297	117
Duck Ck	DuckCk	14038			Bridge						
Duck Ck	DuckCk	13992	Max WS	EX10y96h	272	603.32	608.38	608.42	1.6	183	202
Duck Ck	DuckCk	13992	Max WS	EX100y96h ARF	420	603.32	610.00	610.03	1.6	323	225
Duck Ck	DuckCk	13704	Max WS	EX10y96h	272	603.05	608.07	608.12	1.8	237	146
Duck Ck	DuckCk	13704	Max WS	EX100y96h ARF	419	603.05	609.87	609.89	1.4	507	154
Duck Ck	DuckCk	13464	Max WS	EX10y96h	271	603.16	607.79	607.82	1.7	260	139
Duck Ck	DuckCk	13464	Max WS	EX100y96h ARF	418	603.16	609.77	609.79	1.3	550	151
Duck Ck	DuckCk	13279	Max WS	EX10y96h	271	603.40	607.63	607.64	1.2	457	252
Duck Ck	DuckCk	13279	Max WS	EX100y96h ARF	418	603.40	609.73	609.74	0.8	1000	263
Duck Ck	DuckCk	12964	Max WS	EX10y96h	379	602.48	607.46	607.48	1.3	421	212
Duck Ck	DuckCk	12964	Max WS	EX100y96h ARF	582	602.48	609.68	609.69	1.0	922	236
Duck Ck	DuckCk	12613	Max WS	EX10y96h	377	601.98	607.26	607.28	1.3	473	196
Duck Ck	DuckCk	12613	Max WS	EX100y96h ARF	581	601.98	609.61	609.62	1.0	957	216
Duck Ck	DuckCk	12306	Max WS	EX10y96h	378	601.67	607.13	607.14	1.1	711	288
Duck Ck	DuckCk	12306	Max WS	EX100y96h ARF	583	601.67	609.57	609.57	0.8	1433	303
Duck Ck	DuckCk	11932	Max WS	EX10y96h	379	601.36	607.01	607.03	1.1	528	199
Duck Ck	DuckCk	11932	Max WS	EX100y96h ARF	587	601.36	609.52	609.53	0.9	1088	241
Duck Ck	DuckCk	11876	Max WS	EX10y96h	380	601.30	606.99	607.01	1.2	327	74
Duck Ck	DuckCk	11876	Max WS	EX100y96h ARF	587	601.30	609.50	609.52	1.2	583	177
Duck Ck	DuckCk	11801	Max WS	EX10y96h	380	601.24	606.97	606.98	1.0	608	205
Duck Ck	DuckCk	11801	Max WS	EX100y96h ARF	588	601.24	609.50	609.51	0.9	1151	225
Duck Ck	DuckCk	11485	Max WS	EX10y96h	382	600.75	606.89	606.90	0.9	693	212
Duck Ck	DuckCk	11485	Max WS	EX100y96h ARF	591	600.75	609.47	609.48	0.8	1263	230
Duck Ck	DuckCk	10998	Max WS	EX10y96h	384	600.72	606.78	606.79	1.1	542	157
Duck Ck	DuckCk	10998	Max WS	EX100y96h ARF	596	600.72	609.41	609.42	1.0	997	193
Duck Ck	DuckCk	10813	Max WS	EX10y96h	385	600.49	606.74	606.75	0.8	717	238
Duck Ck	DuckCk	10813	Max WS	EX100y96h ARF	597	600.49	609.40	609.41	0.7	1487	331
Duck Ck	DuckCk	10553	Max WS	EX10y96h	386	599.67	606.70	606.71	0.8	687	195
Duck Ck	DuckCk	10553	Max WS	EX100y96h ARF	599	599.67	609.38	609.39	0.8	1329	362
Duck Ck	DuckCk	10293	Max WS	EX10y96h	388	599.32	606.66	606.67	0.9	564	161
Duck Ck	DuckCk	10293	Max WS	EX100y96h ARF	602	599.32	609.36	609.37	0.8	1124	238
Duck Ck	DuckCk	10273			Culvert						
Duck Ck	DuckCk	10253	Max WS	EX10y96h	386	599.39	606.51	606.52	0.8	627	198
Duck Ck	DuckCk	10253	Max WS	EX100y96h ARF	602	599.39	609.34	609.34	0.7	1253	245
Duck Ck	DuckCk	9854	Max WS	EX10y96h	388	599.08	606.45	606.45	0.9	789	214
Duck Ck	DuckCk	9854	Max WS	EX100y96h ARF	606	599.08	609.31	609.31	0.8	1467	252

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Duck Ck	DuckCk	9506	Max WS	EX10y96h	391	598.98	606.39	606.40	0.9	675	164
Duck Ck	DuckCk	9506	Max WS	EX100y96h ARF	610	598.98	609.28	609.29	0.8	1164	175
Duck Ck	DuckCk	9287	Max WS	EX10y96h	392	598.83	606.36	606.37	0.7	1124	284
Duck Ck	DuckCk	9287	Max WS	EX100y96h ARF	612	598.83	609.27	609.27	0.6	1976	302
Duck Ck	DuckCk	9053	Max WS	EX10y96h	393	598.46	606.34	606.35	0.8	878	199
Duck Ck	DuckCk	9053	Max WS	EX100y96h ARF	615	598.46	609.26	609.26	0.7	1484	216
Duck Ck	DuckCk	8833	Max WS	EX10y96h	395	598.30	606.32	606.33	0.6	962	199
Duck Ck	DuckCk	8833	Max WS	EX100y96h ARF	617	598.30	609.25	609.25	0.6	1568	215
Duck Ck	DuckCk	8619	Max WS	EX10y96h	524	598.25	606.28	606.29	1.2	826	213
Duck Ck	DuckCk	8619	Max WS	EX100y96h ARF	820	598.25	609.22	609.23	1.0	1517	268
Duck Ck	DuckCk	8373	Max WS	EX10y96h	526	598.10	606.24	606.24	0.6	1044	225
Duck Ck	DuckCk	8373	Max WS	EX100y96h ARF	823	598.10	609.20	609.21	0.5	1774	268
Duck Ck	DuckCk	8099	Max WS	EX10y96h	527	598.00	606.23	606.23	0.4	1550	305
Duck Ck	DuckCk	8099	Max WS	EX100y96h ARF	826	598.00	609.20	609.20	0.4	2485	324
Duck Ck	DuckCk	7623	Max WS	EX10y96h	530	597.90	606.21	606.22	0.4	1357	223
Duck Ck	DuckCk	7623	Max WS	EX100y96h ARF	829	597.90	609.19	609.19	0.4	2050	243
Duck Ck	DuckCk	7254	Max WS	EX10y96h	532	597.80	606.20	606.20	0.5	1057	188
Duck Ck	DuckCk	7254	Max WS	EX100y96h ARF	833	597.80	609.18	609.18	0.6	1705	285
Duck Ck	DuckCk	6856	Max WS	EX10y96h	534	597.70	606.18	606.18	0.4	1334	219
Duck Ck	DuckCk	6856	Max WS	EX100y96h ARF	837	597.70	609.17	609.17	0.5	2029	243
Duck Ck	DuckCk	6359	Max WS	EX10y96h	538	597.70	606.15	606.16	0.7	1029	188
Duck Ck	DuckCk	6359	Max WS	EX100y96h ARF	842	597.70	609.15	609.15	0.7	1618	206
Duck Ck	DuckCk	6163	Max WS	EX10y96h	539	596.30	606.14	606.15	0.6	1439	243
Duck Ck	DuckCk	6163	Max WS	EX100y96h ARF	843	596.30	609.14	609.14	0.6	2205	272
Duck Ck	DuckCk	5848	Max WS	EX10y96h	542	595.40	606.13	606.14	0.2	2719	395
Duck Ck	DuckCk	5848	Max WS	EX100y96h ARF	848	595.40	609.13	609.14	0.3	3925	409
Duck Ck	DuckCk	5638	Max WS	EX10y96h	544	595.30	606.13	606.13	0.3	1782	235
Duck Ck	DuckCk	5638	Max WS	EX100y96h ARF	852	595.30	609.13	609.13	0.4	2513	252
Duck Ck	DuckCk	5361	Max WS	EX10y96h	546	595.20	606.12	606.12	0.7	1226	206
Duck Ck	DuckCk	5361	Max WS	EX100y96h ARF	855	595.20	609.12	609.13	0.8	1873	224
Duck Ck	DuckCk	4639	Max WS	EX10y96h	551	595.00	606.09	606.09	0.4	1722	237
Duck Ck	DuckCk	4639	Max WS	EX100y96h ARF	862	595.00	609.10	609.10	0.4	2472	263
Duck Ck	DuckCk	4257	Max WS	EX10y96h	554	594.90	606.09	606.09	0.4	1761	231
Duck Ck	DuckCk	4257	Max WS	EX100y96h ARF	866	594.90	609.10	609.10	0.4	2475	244
Duck Ck	DuckCk	4109	Max WS	EX10y96h	555	594.80	606.08	606.09	0.3	2058	268
Duck Ck	DuckCk	4109	Max WS	EX100y96h ARF	868	594.80	609.09	609.10	0.3	2897	291
Duck Ck	DuckCk	3892	Max WS	EX10y96h	556	594.80	606.01	606.08	2.1	259	229
Duck Ck	DuckCk	3892	Max WS	EX100y96h ARF	870	594.80	609.00	609.11	2.6	331	253
Duck Ck	DuckCk	3824			Bridge						
Duck Ck	DuckCk	3761	Max WS	EX10y96h	556	594.80	605.85	605.92	2.2	255	245
Duck Ck	DuckCk	3761	Max WS	EX100y96h ARF	866	594.80	608.54	608.66	2.7	320	265
Duck Ck	DuckCk	3668	Max WS	EX10y96h	557	596.60	605.86	605.87	0.8	976	194
Duck Ck	DuckCk	3668	Max WS	EX100y96h ARF	868	596.60	608.57	608.58	0.8	1390	205
Duck Ck	DuckCk	3440	Max WS	EX10y96h	558	596.10	605.70	605.79	2.5	258	206
Duck Ck	DuckCk	3440	Max WS	EX100y96h ARF	871	596.10	608.57	608.57	0.5	2143	287
Duck Ck	DuckCk	3408			Bridge						
Duck Ck	DuckCk	3382	Max WS	EX10y96h	556	597.00	604.14	604.36	3.8	148	152
Duck Ck	DuckCk	3382	Max WS	EX100y96h ARF	722	597.00	606.85	606.90	2.0	654	186
Duck Ck	DuckCk	3342	Max WS	EX10y96h	557	593.80	604.16	604.34	3.4	166	125
Duck Ck	DuckCk	3342	Max WS	EX100y96h ARF	720	593.80	606.75	606.93	3.4	213	140
Duck Ck	DuckCk	3293			Bridge						

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Duck Ck	DuckCk	3239	Max WS	EX10y96h	496	595.30	603.66	603.91	4.0	143	207
Duck Ck	DuckCk	3239	Max WS	EX100y96h ARF	681	595.30	606.05	606.30	4.1	201	231
Duck Ck	DuckCk	3203	Max WS	EX10y96h	551	595.30	603.74	603.85	2.8	255	233
Duck Ck	DuckCk	3203	Max WS	EX100y96h ARF	687	595.30	606.17	606.20	1.6	580	269
Duck Ck	DuckCk	3126	Max WS	EX10y96h	497	595.30	603.65	603.69	1.7	376	236
Duck Ck	DuckCk	3126	Max WS	EX100y96h ARF	687	595.30	606.16	606.17	1.0	918	274
Duck Ck	DuckCk	2965	Max WS	EX10y96h	469	595.30	603.47	603.53	2.2	349	278
Duck Ck	DuckCk	2965	Max WS	EX100y96h ARF	688	595.30	606.13	606.14	1.0	1114	297
Duck Ck	DuckCk	2849	Max WS	EX10y96h	456	595.30	603.34	603.39	2.0	357	291
Duck Ck	DuckCk	2849	Max WS	EX100y96h ARF	689	595.30	606.11	606.12	1.0	1010	324
Duck Ck	DuckCk	2794	Max WS	EX10y96h	449	595.30	603.28	603.33	2.1	347	293
Duck Ck	DuckCk	2794	Max WS	EX100y96h ARF	688	595.30	606.10	606.11	1.0	995	328
Duck Ck	DuckCk	2687	Max WS	EX10y96h	448	594.40	603.22	603.24	1.3	507	282
Duck Ck	DuckCk	2687	Max WS	EX100y96h ARF	689	594.40	606.09	606.10	0.9	1121	318
Duck Ck	DuckCk	2524	Max WS	EX10y96h	445	594.80	603.17	603.19	1.3	456	233
Duck Ck	DuckCk	2524	Max WS	EX100y96h ARF	690	594.80	606.07	606.09	0.9	925	280
Duck Ck	DuckCk	2496			Bridge						
Duck Ck	DuckCk	2452	Max WS	EX10y96h	439	594.30	603.10	603.12	1.0	488	136
Duck Ck	DuckCk	2452	Max WS	EX100y96h ARF	688	594.30	606.06	606.07	0.8	913	151
Duck Ck	DuckCk	2183	Max WS	EX10y96h	431	595.53	602.97	603.01	1.7	345	161
Duck Ck	DuckCk	2183	Max WS	EX100y96h ARF	690	595.53	606.04	606.05	0.9	1025	270
Duck Ck	DuckCk	2053	Max WS	EX10y96h	429	595.00	602.94	602.95	0.9	509	183
Duck Ck	DuckCk	2053	Max WS	EX100y96h ARF	691	595.00	606.01	606.02	0.9	895	230
Duck Ck	DuckCk	1765	Max WS	EX10y96h	427	593.75	602.90	602.91	1.0	452	191
Duck Ck	DuckCk	1765	Max WS	EX100y96h ARF	691	593.75	605.96	605.98	1.1	631	209
Duck Ck	DuckCk	1689			Culvert						
Duck Ck	DuckCk	1609	Max WS	EX10y96h	415	593.45	602.72	602.73	0.7	583	162
Duck Ck	DuckCk	1609	Max WS	EX100y96h ARF	668	593.45	605.48	605.49	0.9	790	177
Duck Ck	DuckCk	1358	Max WS	EX10y96h	415	592.60	602.71	602.71	0.8	898	168
Duck Ck	DuckCk	1358	Max WS	EX100y96h ARF	669	592.60	605.47	605.47	0.8	1405	199
Duck Ck	DuckCk	960	Max WS	EX10y96h	416	591.70	602.69	602.69	0.4	1249	193
Duck Ck	DuckCk	960	Max WS	EX100y96h ARF	672	591.70	605.45	605.46	0.5	1806	211
Duck Ck	DuckCk	792	Max WS	EX10y96h	417	591.70	602.69	602.69	0.3	1685	245
Duck Ck	DuckCk	792	Max WS	EX100y96h ARF	673	591.70	605.45	605.45	0.4	2379	257
Duck Ck	DuckCk	572	Max WS	EX10y96h	417	592.00	602.65	602.67	1.1	375	61
Duck Ck	DuckCk	572	Max WS	EX100y96h ARF	673	592.00	605.41	605.44	1.3	553	243
Duck Ck	DuckCk	526			Bridge						
Duck Ck	DuckCk	473	Max WS	EX10y96h	414	591.80	602.62	602.64	0.8	505	149
Duck Ck	DuckCk	473	Max WS	EX100y96h ARF	666	591.80	605.31	605.33	1.0	699	423
Duck Ck	DuckCk	264	Max WS	EX10y96h	415	589.50	602.62	602.63	0.7	659	364
Duck Ck	DuckCk	264	Max WS	EX100y96h ARF	666	589.50	605.31	605.32	0.8	1166	468
Deep	USLakeGeorge	124902	Max WS	EX10y96h	74	679.00	685.90	685.91	0.4	180	64
Deep	USLakeGeorge	124902	Max WS	EX100y96h ARF	115	679.00	687.36	687.36	0.5	243	232
Deep	USLakeGeorge	124901			Lat Struct						
Deep	USLakeGeorge	124398	Max WS	EX10y96h	120	678.93	685.85	685.86	0.6	201	44
Deep	USLakeGeorge	124398	Max WS	EX100y96h ARF	202	678.93	687.29	687.30	0.8	269	173
Deep	USLakeGeorge	124110			Lat Struct						
Deep	USLakeGeorge	123855	Max WS	EX10y96h	90	678.86	685.81	685.81	0.5	182	37
Deep	USLakeGeorge	123855	Max WS	EX100y96h ARF	153	678.86	687.23	687.24	0.6	237	40
Deep	USLakeGeorge	123542	Max WS	EX10y96h	90	678.81	685.78	685.78	0.6	161	35
Deep	USLakeGeorge	123542	Max WS	EX100y96h ARF	153	678.81	687.19	687.20	0.7	215	40

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	123075	Max WS	EX10y96h	74	678.75	685.74	685.74	0.4	173	36
Deep	USLakeGeorge	123075	Max WS	EX100y96h ARF	125	678.75	687.15	687.15	0.5	228	42
Deep	USLakeGeorge	122731	Max WS	EX10y96h	38	678.70	685.73	685.73	0.1	787	255
Deep	USLakeGeorge	122731	Max WS	EX100y96h ARF	53	678.70	687.14	687.14	0.1	1161	268
Deep	USLakeGeorge	122478	Max WS	EX10y96h	36	677.65	685.73	685.73	0.1	425	167
Deep	USLakeGeorge	122478	Max WS	EX100y96h ARF	44	677.65	687.14	687.14	0.1	567	238
Deep	USLakeGeorge	122432			Bridge						
Deep	USLakeGeorge	122376	Max WS	EX10y96h	36	677.30	685.73	685.73	0.1	360	73
Deep	USLakeGeorge	122376	Max WS	EX100y96h ARF	44	677.30	687.13	687.13	0.1	462	73
Deep	USLakeGeorge	122375			Lat Struct						
Deep	USLakeGeorge	122102	Max WS	EX10y96h	28	678.70	685.73	685.73	0.1	375	86
Deep	USLakeGeorge	122102	Max WS	EX100y96h ARF	45	678.70	687.13	687.13	0.1	496	86
Deep	USLakeGeorge	121717	Max WS	EX10y96h	26	678.63	685.73	685.73	0.1	199	41
Deep	USLakeGeorge	121717	Max WS	EX100y96h ARF	45	678.63	687.13	687.13	0.2	267	60
Deep	USLakeGeorge	121716			Lat Struct						
Deep	USLakeGeorge	121393	Max WS	EX10y96h	26	678.57	685.73	685.73	0.1	179	36
Deep	USLakeGeorge	121393	Max WS	EX100y96h ARF	40	678.57	687.13	687.13	0.2	232	41
Deep	USLakeGeorge	121027	Max WS	EX10y96h	26	678.50	685.72	685.72	0.1	183	36
Deep	USLakeGeorge	121027	Max WS	EX100y96h ARF	41	678.50	687.12	687.12	0.2	236	40
Deep	USLakeGeorge	120696	Max WS	EX10y96h	164	678.50	685.71	685.71	0.5	326	87
Deep	USLakeGeorge	120696	Max WS	EX100y96h ARF	248	678.50	687.11	687.11	0.6	452	94
Deep	USLakeGeorge	120630			Bridge						
Deep	USLakeGeorge	120592	Max WS	EX10y96h	164	678.50	685.68	685.70	0.9	182	38
Deep	USLakeGeorge	120592	Max WS	EX100y96h ARF	248	678.50	687.08	687.09	1.0	238	43
Deep	USLakeGeorge	120591			Lat Struct						
Deep	USLakeGeorge	120543	Max WS	EX10y96h	111	678.60	685.69	685.70	0.5	221	43
Deep	USLakeGeorge	120543	Max WS	EX100y96h ARF	166	678.60	687.09	687.10	0.6	284	48
Deep	USLakeGeorge	120117	Max WS	EX10y96h	111	678.58	685.65	685.65	0.6	171	36
Deep	USLakeGeorge	120117	Max WS	EX100y96h ARF	166	678.58	687.04	687.05	0.7	226	41
Deep	USLakeGeorge	119813	Max WS	EX10y96h	112	678.56	685.61	685.62	0.5	215	50
Deep	USLakeGeorge	119813	Max WS	EX100y96h ARF	166	678.56	687.01	687.01	0.6	294	65
Deep	USLakeGeorge	119448	Max WS	EX10y96h	158	678.54	685.54	685.55	0.9	183	40
Deep	USLakeGeorge	119448	Max WS	EX100y96h ARF	230	678.54	686.93	686.94	1.0	242	45
Deep	USLakeGeorge	119071	Max WS	EX10y96h	174	678.52	685.43	685.44	1.0	181	39
Deep	USLakeGeorge	119071	Max WS	EX100y96h ARF	263	678.52	686.81	686.83	1.1	237	43
Deep	USLakeGeorge	118751	Max WS	EX10y96h	174	678.51	685.33	685.34	1.0	175	40
Deep	USLakeGeorge	118751	Max WS	EX100y96h ARF	263	678.51	686.71	686.73	1.1	232	44
Deep	USLakeGeorge	118584	Max WS	EX10y96h	173	678.50	685.26	685.28	1.1	164	37
Deep	USLakeGeorge	118584	Max WS	EX100y96h ARF	263	678.50	686.64	686.66	1.2	218	41
Deep	USLakeGeorge	118525	Max WS	EX10y96h	173	678.41	685.24	685.26	1.0	170	36
Deep	USLakeGeorge	118525	Max WS	EX100y96h ARF	263	678.41	686.62	686.64	1.2	221	38
Deep	USLakeGeorge	118508			Lat Struct						
Deep	USLakeGeorge	118358	Max WS	EX10y96h	178	678.16	685.20	685.21	0.9	194	39
Deep	USLakeGeorge	118358	Max WS	EX100y96h ARF	270	678.16	686.57	686.58	1.1	249	42
Deep	USLakeGeorge	117980	Max WS	EX10y96h	178	677.60	685.11	685.12	0.9	204	41
Deep	USLakeGeorge	117980	Max WS	EX100y96h ARF	270	677.60	686.47	686.48	1.0	263	45
Deep	USLakeGeorge	117631	Max WS	EX10y96h	177	677.49	685.00	685.01	1.0	176	41
Deep	USLakeGeorge	117631	Max WS	EX100y96h ARF	269	677.49	686.35	686.37	1.2	234	45
Deep	USLakeGeorge	117334	Max WS	EX10y96h	178	677.40	684.91	684.93	0.9	207	43
Deep	USLakeGeorge	117334	Max WS	EX100y96h ARF	266	677.40	686.26	686.28	1.0	269	48

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	116995	Max WS	EX10y96h	174	677.30	684.79	684.81	1.1	162	40
Deep	USLakeGeorge	116995	Max WS	EX100y96h ARF	260	677.30	686.14	686.16	1.2	217	43
Deep	USLakeGeorge	116834			Lat Struct						
Deep	USLakeGeorge	116736	Max WS	EX10y96h	170	677.22	684.68	684.70	1.0	170	39
Deep	USLakeGeorge	116736	Max WS	EX100y96h ARF	253	677.22	686.04	686.06	1.1	225	43
Deep	USLakeGeorge	116606			Lat Struct						
Deep	USLakeGeorge	116585	Max WS	EX10y96h	164	677.18	684.59	684.62	1.2	132	35
Deep	USLakeGeorge	116585	Max WS	EX100y96h ARF	247	677.18	685.95	685.98	1.4	182	39
Deep	USLakeGeorge	116289	Max WS	EX10y96h	146	677.09	684.48	684.49	0.8	175	38
Deep	USLakeGeorge	116289	Max WS	EX100y96h ARF	233	677.09	685.83	685.85	1.0	229	42
Deep	USLakeGeorge	115998	Max WS	EX10y96h	139	677.00	684.39	684.41	0.9	154	37
Deep	USLakeGeorge	115998	Max WS	EX100y96h ARF	221	677.00	685.74	685.76	1.1	206	40
Deep	USLakeGeorge	115832	Max WS	EX10y96h	138	676.84	684.37	684.38	0.7	191	38
Deep	USLakeGeorge	115832	Max WS	EX100y96h ARF	218	676.84	685.71	685.72	0.9	246	44
Deep	USLakeGeorge	115800			Bridge						
Deep	USLakeGeorge	115754	Max WS	EX10y96h	138	677.00	684.36	684.37	0.6	224	42
Deep	USLakeGeorge	115754	Max WS	EX100y96h ARF	218	677.00	685.71	685.72	0.8	283	46
Deep	USLakeGeorge	115310	Max WS	EX10y96h	136	677.00	684.33	684.33	0.7	209	38
Deep	USLakeGeorge	115310	Max WS	EX100y96h ARF	213	677.00	685.66	685.67	0.8	262	42
Deep	USLakeGeorge	114871	Max WS	EX10y96h	198	676.99	684.25	684.26	0.8	233	44
Deep	USLakeGeorge	114871	Max WS	EX100y96h ARF	280	676.99	685.57	685.59	1.0	293	47
Deep	USLakeGeorge	114397	Max WS	EX10y96h	197	676.98	684.14	684.16	0.9	217	44
Deep	USLakeGeorge	114397	Max WS	EX100y96h ARF	277	676.98	685.47	685.48	1.0	277	47
Deep	USLakeGeorge	113918	Max WS	EX10y96h	224	676.98	683.90	683.93	1.3	168	41
Deep	USLakeGeorge	113918	Max WS	EX100y96h ARF	329	676.98	685.23	685.26	1.5	224	44
Deep	USLakeGeorge	113720	Max WS	EX10y96h	226	676.98	683.80	683.82	1.2	184	44
Deep	USLakeGeorge	113720	Max WS	EX100y96h ARF	332	676.98	685.14	685.16	1.4	247	49
Deep	USLakeGeorge	113639			Bridge						
Deep	USLakeGeorge	113536	Max WS	EX10y96h	226	676.98	683.76	683.78	1.2	195	46
Deep	USLakeGeorge	113536	Max WS	EX100y96h ARF	332	676.98	685.10	685.13	1.3	262	60
Deep	USLakeGeorge	113233	Max WS	EX10y96h	231	676.97	683.62	683.67	1.9	122	37
Deep	USLakeGeorge	113233	Max WS	EX100y96h ARF	339	676.97	684.98	685.04	1.9	176	43
Deep	USLakeGeorge	113139			Bridge						
Deep	USLakeGeorge	113059	Max WS	EX10y96h	231	676.97	683.58	683.61	1.3	174	41
Deep	USLakeGeorge	113059	Max WS	EX100y96h ARF	339	676.97	684.94	684.98	1.5	233	45
Deep	USLakeGeorge	113058			Lat Struct						
Deep	USLakeGeorge	112472	Max WS	EX10y96h	242	676.88	683.46	683.49	1.3	185	42
Deep	USLakeGeorge	112472	Max WS	EX100y96h ARF	354	676.88	684.83	684.86	1.4	246	47
Deep	USLakeGeorge	111932	Max WS	EX10y96h	252	676.80	683.22	683.25	1.4	181	44
Deep	USLakeGeorge	111932	Max WS	EX100y96h ARF	367	676.80	684.60	684.64	1.5	246	81
Deep	USLakeGeorge	111538	Max WS	EX10y96h	258	675.90	682.97	683.00	1.3	195	40
Deep	USLakeGeorge	111538	Max WS	EX100y96h ARF	376	675.90	684.37	684.40	1.5	257	62
Deep	USLakeGeorge	111058	Max WS	EX10y96h	267	674.80	682.57	682.61	1.6	169	46
Deep	USLakeGeorge	111058	Max WS	EX100y96h ARF	387	674.80	684.02	684.06	1.6	250	82
Deep	USLakeGeorge	110793	Max WS	EX10y96h	271	674.20	682.37	682.39	1.3	218	69
Deep	USLakeGeorge	110793	Max WS	EX100y96h ARF	394	674.20	683.88	683.90	1.0	415	176
Deep	USLakeGeorge	110465	Max WS	EX10y96h	277	673.45	682.16	682.19	1.4	198	46
Deep	USLakeGeorge	110465	Max WS	EX100y96h ARF	404	673.45	683.71	683.74	1.5	275	54
Deep	USLakeGeorge	110181	Max WS	EX10y96h	284	672.80	682.02	682.05	1.5	193	41
Deep	USLakeGeorge	110181	Max WS	EX100y96h ARF	413	672.80	683.58	683.62	1.6	261	47

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	110163			Bridge						
Deep	USLakeGeorge	110130	Max WS	EX10y96h	284	672.80	682.01	682.04	1.3	216	47
Deep	USLakeGeorge	110130	Max WS	EX100y96h ARF	413	672.80	683.58	683.61	1.4	296	55
Deep	USLakeGeorge	110128	Max WS	EX10y96h	283	672.80	682.01	682.04	1.3	213	47
Deep	USLakeGeorge	110128	Max WS	EX100y96h ARF	413	672.80	683.58	683.61	1.4	293	55
Deep	USLakeGeorge	110094			Bridge						
Deep	USLakeGeorge	110040	Max WS	EX10y96h	284	672.70	682.01	682.03	1.1	254	47
Deep	USLakeGeorge	110040	Max WS	EX100y96h ARF	413	672.70	683.57	683.60	1.2	333	54
Deep	USLakeGeorge	109523	Max WS	EX10y96h	295	672.28	681.86	681.88	1.2	241	47
Deep	USLakeGeorge	109523	Max WS	EX100y96h ARF	429	672.28	683.42	683.45	1.3	320	53
Deep	USLakeGeorge	109022	Max WS	EX10y96h	306	671.87	681.68	681.70	1.1	289	46
Deep	USLakeGeorge	109022	Max WS	EX100y96h ARF	444	671.87	683.24	683.27	1.2	364	50
Deep	USLakeGeorge	108612	Max WS	EX10y96h	314	671.53	681.46	681.49	1.5	210	44
Deep	USLakeGeorge	108612	Max WS	EX100y96h ARF	457	671.53	683.03	683.07	1.6	283	49
Deep	USLakeGeorge	108112	Max WS	EX10y96h	325	671.12	681.19	681.21	1.2	267	46
Deep	USLakeGeorge	108112	Max WS	EX100y96h ARF	473	671.12	682.77	682.80	1.4	343	50
Deep	USLakeGeorge	107495	Max WS	EX10y96h	339	670.62	680.98	681.00	1.2	284	45
Deep	USLakeGeorge	107495	Max WS	EX100y96h ARF	493	670.62	682.54	682.57	1.4	358	51
Deep	USLakeGeorge	107156	Max WS	EX10y96h	346	670.34	680.87	680.90	1.2	298	44
Deep	USLakeGeorge	107156	Max WS	EX100y96h ARF	504	670.34	682.42	682.45	1.4	370	49
Deep	USLakeGeorge	106585	Max WS	EX10y96h	346	669.87	680.76	680.77	0.8	438	73
Deep	USLakeGeorge	106585	Max WS	EX100y96h ARF	504	669.87	682.30	682.31	0.9	555	79
Deep	USLakeGeorge	106334	Max WS	EX10y96h	346	669.67	680.70	680.72	1.1	306	53
Deep	USLakeGeorge	106334	Max WS	EX100y96h ARF	503	669.67	682.22	682.25	1.3	402	85
Deep	USLakeGeorge	105972			Lat Struct						
Deep	USLakeGeorge	105956	Max WS	EX10y96h	346	669.36	680.58	680.60	1.1	309	51
Deep	USLakeGeorge	105956	Max WS	EX100y96h ARF	504	669.36	682.09	682.11	1.3	394	64
Deep	USLakeGeorge	105573	Max WS	EX10y96h	346	669.05	680.44	680.47	1.4	254	40
Deep	USLakeGeorge	105573	Max WS	EX100y96h ARF	503	669.05	681.91	681.95	1.6	316	44
Deep	USLakeGeorge	105254	Max WS	EX10y96h	389	668.79	680.38	680.39	0.7	531	76
Deep	USLakeGeorge	105254	Max WS	EX100y96h ARF	561	668.79	681.84	681.85	0.9	642	82
Deep	USLakeGeorge	105176			Culvert						
Deep	USLakeGeorge	105085	Max WS	EX10y96h	388	668.65	680.28	680.29	0.8	477	69
Deep	USLakeGeorge	105085	Max WS	EX100y96h ARF	561	668.65	681.63	681.65	1.0	575	77
Deep	USLakeGeorge	104691	Max WS	EX10y96h	388	668.33	680.24	680.25	0.9	410	68
Deep	USLakeGeorge	104691	Max WS	EX100y96h ARF	561	668.33	681.58	681.60	1.2	483	100
Deep	USLakeGeorge	104222	Max WS	EX10y96h	388	667.94	680.15	680.16	1.1	369	51
Deep	USLakeGeorge	104222	Max WS	EX100y96h ARF	561	667.94	681.46	681.49	1.3	438	95
Deep	USLakeGeorge	104061	Max WS	EX10y96h	388	667.81	680.12	680.14	1.2	336	49
Deep	USLakeGeorge	104061	Max WS	EX100y96h ARF	560	667.81	681.42	681.45	1.4	403	54
Deep	USLakeGeorge	104001			Bridge						
Deep	USLakeGeorge	103945	Max WS	EX10y96h	388	667.81	679.63	679.65	1.1	340	53
Deep	USLakeGeorge	103945	Max WS	EX100y96h ARF	561	667.81	680.91	680.94	1.4	412	59
Deep	USLakeGeorge	103528	Max WS	EX10y96h	388	667.81	679.53	679.55	1.3	304	46
Deep	USLakeGeorge	103528	Max WS	EX100y96h ARF	560	667.81	680.78	680.81	1.5	364	50
Deep	USLakeGeorge	103234	Max WS	EX10y96h	388	667.81	679.46	679.47	1.0	401	55
Deep	USLakeGeorge	103234	Max WS	EX100y96h ARF	560	667.81	680.69	680.71	1.2	464	133
Deep	USLakeGeorge	102805	Max WS	EX10y96h	444	667.80	679.33	679.36	1.3	331	49
Deep	USLakeGeorge	102805	Max WS	EX100y96h ARF	644	667.80	680.51	680.55	1.6	391	53
Deep	USLakeGeorge	102268	Max WS	EX10y96h	444	667.80	679.15	679.20	1.7	266	56

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	102268	Max WS	EX100y96h ARF	644	667.80	680.28	680.35	2.0	317	134
Deep	USLakeGeorge	102108			Bridge						
Deep	USLakeGeorge	102028	Max WS	EX10y96h	444	667.80	678.28	678.32	1.5	300	51
Deep	USLakeGeorge	102028	Max WS	EX100y96h ARF	645	667.80	679.44	679.48	1.8	361	55
Deep	USLakeGeorge	101989			Lat Struct						
Deep	USLakeGeorge	101538	Max WS	EX10y96h	444	667.74	677.96	678.01	1.9	240	47
Deep	USLakeGeorge	101538	Max WS	EX100y96h ARF	644	667.74	679.05	679.12	2.2	293	50
Deep	USLakeGeorge	100981	Max WS	EX10y96h	444	667.67	677.53	677.57	1.6	285	45
Deep	USLakeGeorge	100981	Max WS	EX100y96h ARF	643	667.67	678.50	678.56	2.0	329	179
Deep	USLakeGeorge	100383	Max WS	EX10y96h	404	667.60	677.33	677.35	1.0	400	436
Deep	USLakeGeorge	100383	Max WS	EX100y96h ARF	360	667.60	678.32	678.33	0.8	464	633
Deep	USLakeGeorge	99713	Max WS	EX10y96h	404	666.17	677.18	677.20	1.1	364	332
Deep	USLakeGeorge	99713	Max WS	EX100y96h ARF	355	666.17	678.24	678.25	0.8	419	476
Deep	USLakeGeorge	99064	Max WS	EX10y96h	544	665.66	676.99	677.02	1.4	390	293
Deep	USLakeGeorge	99064	Max WS	EX100y96h ARF	412	665.66	678.16	678.17	0.9	467	374
Deep	USLakeGeorge	98521	Max WS	EX10y96h	542	664.99	676.83	676.86	1.3	415	341
Deep	USLakeGeorge	98521	Max WS	EX100y96h ARF	316	664.99	678.12	678.13	0.6	542	398
Deep	USLakeGeorge	97818	Max WS	EX10y96h	610	664.00	676.65	676.69	1.6	398	251
Deep	USLakeGeorge	97818	Max WS	EX100y96h ARF	917	664.00	677.96	678.01	1.9	645	730
Deep	USLakeGeorge	97654			Bridge						
Deep	USLakeGeorge	97432	Max WS	EX10y96h	610	664.00	676.00	676.04	1.6	399	133
Deep	USLakeGeorge	97432	Max WS	EX100y96h ARF	918	664.00	677.53	677.58	1.9	586	277
Deep	USLakeGeorge	96861	Max WS	EX10y96h	610	663.66	675.94	675.95	0.9	806	844
Deep	USLakeGeorge	96861	Max WS	EX100y96h ARF	917	663.66	677.47	677.48	0.9	1439	919
Deep	USLakeGeorge	96112	Max WS	EX10y96h	695	663.20	675.62	675.66	1.7	468	164
Deep	USLakeGeorge	96112	Max WS	EX100y96h ARF	1064	663.20	677.21	677.24	1.5	760	262
Deep	USLakeGeorge	95541	Max WS	EX10y96h	682	662.86	675.17	675.24	2.0	344	303
Deep	USLakeGeorge	95541	Max WS	EX100y96h ARF	1059	662.86	676.70	676.80	2.5	431	351
Deep	USLakeGeorge	95034	Max WS	EX10y96h	660	662.55	674.78	674.84	1.9	364	92
Deep	USLakeGeorge	95034	Max WS	EX100y96h ARF	943	662.55	676.30	676.35	1.9	558	144
Deep	USLakeGeorge	94436	Max WS	EX10y96h	643	662.19	674.41	674.46	1.8	357	242
Deep	USLakeGeorge	94436	Max WS	EX100y96h ARF	914	662.19	675.88	675.95	2.2	424	301
Deep	USLakeGeorge	93802	Max WS	EX10y96h	620	661.81	674.07	674.12	1.7	384	153
Deep	USLakeGeorge	93802	Max WS	EX100y96h ARF	877	661.81	675.55	675.59	1.7	640	270
Deep	USLakeGeorge	93297	Max WS	EX10y96h	604	661.50	673.84	673.87	1.5	496	316
Deep	USLakeGeorge	93297	Max WS	EX100y96h ARF	869	661.50	675.38	675.40	1.3	929	418
Deep	USLakeGeorge	93206			Lat Struct						
Deep	USLakeGeorge	92606	Max WS	EX10y96h	768	661.09	673.53	673.57	1.5	619	251
Deep	USLakeGeorge	92606	Max WS	EX100y96h ARF	1131	661.09	675.17	675.19	1.4	1081	355
Deep	USLakeGeorge	91967	Max WS	EX10y96h	768	660.70	673.38	673.41	1.3	701	314
Deep	USLakeGeorge	91967	Max WS	EX100y96h ARF	1131	660.70	675.04	675.07	1.3	1066	476
Deep	USLakeGeorge	91899			Bridge						
Deep	USLakeGeorge	91814	Max WS	EX10y96h	768	660.65	673.30	673.34	1.7	461	459
Deep	USLakeGeorge	91814	Max WS	EX100y96h ARF	1131	660.65	674.92	674.98	2.0	644	623
Deep	USLakeGeorge	91400	Max WS	EX10y96h	771	660.53	673.08	673.13	1.9	413	578
Deep	USLakeGeorge	91400	Max WS	EX100y96h ARF	1135	660.53	674.67	674.74	2.1	870	724
Deep	USLakeGeorge	90843	Max WS	EX10y96h	775	660.36	672.87	672.88	1.0	1214	471
Deep	USLakeGeorge	90843	Max WS	EX100y96h ARF	1141	660.36	674.47	674.48	0.8	2064	602
Deep	USLakeGeorge	90268	Max WS	EX10y96h	779	660.19	672.67	672.72	1.6	475	394
Deep	USLakeGeorge	90268	Max WS	EX100y96h ARF	1147	660.19	674.24	674.30	1.9	790	598

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	89708	Max WS	EX10y96h	783	660.02	672.43	672.47	1.6	487	642
Deep	USLakeGeorge	89708	Max WS	EX100y96h ARF	1153	660.02	673.92	673.99	2.0	622	782
Deep	USLakeGeorge	89139	Max WS	EX10y96h	787	659.84	672.22	672.25	1.4	747	225
Deep	USLakeGeorge	89139	Max WS	EX100y96h ARF	1159	659.84	673.73	673.75	1.4	1155	315
Deep	USLakeGeorge	88645	Max WS	EX10y96h	790	659.69	672.03	672.06	1.5	535	178
Deep	USLakeGeorge	88645	Max WS	EX100y96h ARF	1164	659.69	673.51	673.56	1.7	790	287
Deep	USLakeGeorge	88132	Max WS	EX10y96h	794	659.54	671.77	671.82	1.7	454	558
Deep	USLakeGeorge	88132	Max WS	EX100y96h ARF	1170	659.54	673.19	673.27	2.1	590	646
Deep	USLakeGeorge	87170	Max WS	EX10y96h	800	659.25	671.24	671.28	1.8	620	229
Deep	USLakeGeorge	87170	Max WS	EX100y96h ARF	1180	659.25	672.56	672.62	2.0	963	295
Deep	USLakeGeorge	86814	Max WS	EX10y96h	803	659.14	671.03	671.08	1.8	439	276
Deep	USLakeGeorge	86814	Max WS	EX100y96h ARF	1183	659.14	672.29	672.37	2.3	553	358
Deep	USLakeGeorge	86497	Max WS	EX10y96h	805	659.04	670.92	670.93	1.2	1120	1028
Deep	USLakeGeorge	86497	Max WS	EX100y96h ARF	1187	659.04	672.16	672.18	1.3	1668	1084
Deep	USLakeGeorge	86248	Max WS	EX10y96h	807	658.97	670.78	670.83	1.7	465	247
Deep	USLakeGeorge	86248	Max WS	EX100y96h ARF	1190	658.97	671.99	672.06	2.1	555	335
Deep	USLakeGeorge	85858	Max WS	EX10y96h	810	658.85	670.53	670.58	1.8	441	193
Deep	USLakeGeorge	85858	Max WS	EX100y96h ARF	1194	658.85	671.66	671.73	2.2	639	307
Deep	USLakeGeorge	85406	Max WS	EX10y96h	813	658.71	670.27	670.31	1.8	602	209
Deep	USLakeGeorge	85406	Max WS	EX100y96h ARF	1198	658.71	671.33	671.39	2.2	880	285
Deep	USLakeGeorge	84957	Max WS	EX10y96h	815	658.58	669.94	670.01	2.1	445	219
Deep	USLakeGeorge	84957	Max WS	EX100y96h ARF	1203	658.58	670.93	671.02	2.6	602	580
Deep	USLakeGeorge	84375	Max WS	EX10y96h	818	658.40	669.47	669.55	2.4	348	272
Deep	USLakeGeorge	84375	Max WS	EX100y96h ARF	1208	658.40	670.30	670.43	3.0	423	592
Deep	USLakeGeorge	84324			Bridge						
Deep	USLakeGeorge	84262	Max WS	EX10y96h	819	658.40	669.39	669.49	2.5	331	429
Deep	USLakeGeorge	84262	Max WS	EX100y96h ARF	1208	658.40	670.19	670.35	3.2	382	565
Deep	USLakeGeorge	83723	Max WS	EX10y96h	823	658.09	668.99	669.05	2.0	543	445
Deep	USLakeGeorge	83723	Max WS	EX100y96h ARF	1214	658.09	669.85	669.89	1.8	966	523
Deep	USLakeGeorge	83093	Max WS	EX10y96h	827	657.72	668.53	668.57	1.6	666	315
Deep	USLakeGeorge	83093	Max WS	EX100y96h ARF	1220	657.72	669.47	669.50	1.7	1008	400
Deep	USLakeGeorge	82750	Max WS	EX10y96h	830	657.52	668.36	668.40	1.6	598	245
Deep	USLakeGeorge	82750	Max WS	EX100y96h ARF	1224	657.52	669.28	669.33	1.8	864	330
Deep	USLakeGeorge	82364	Max WS	EX10y96h	832	657.30	668.05	668.11	2.2	545	393
Deep	USLakeGeorge	82364	Max WS	EX100y96h ARF	1227	657.30	669.04	669.09	2.0	1001	502
Deep	USLakeGeorge	81844	Max WS	EX10y96h	836	657.00	667.76	667.78	1.2	1106	650
Deep	USLakeGeorge	81844	Max WS	EX100y96h ARF	1233	657.00	668.84	668.85	1.0	1834	806
Deep	USLakeGeorge	81294	Max WS	EX10y96h	839	656.68	667.58	667.60	1.2	1003	615
Deep	USLakeGeorge	81294	Max WS	EX100y96h ARF	1238	656.68	668.73	668.74	1.0	1857	890
Deep	USLakeGeorge	80717	Max WS	EX10y96h	843	656.34	667.28	667.33	1.8	744	239
Deep	USLakeGeorge	80717	Max WS	EX100y96h ARF	1245	656.34	668.43	668.49	2.1	1027	257
Deep	USLakeGeorge	80186	Max WS	EX10y96h	848	656.03	666.93	666.99	2.0	523	274
Deep	USLakeGeorge	80186	Max WS	EX100y96h ARF	1250	656.03	668.03	668.10	2.3	885	371
Deep	USLakeGeorge	79604	Max WS	EX10y96h	853	655.70	666.59	666.64	1.9	698	340
Deep	USLakeGeorge	79604	Max WS	EX100y96h ARF	1256	655.70	667.68	667.73	2.1	1079	359
Deep	USLakeGeorge	79148	Max WS	EX10y96h	855	655.43	666.31	666.35	1.9	707	319
Deep	USLakeGeorge	79148	Max WS	EX100y96h ARF	1260	655.43	667.42	667.46	1.9	1081	345
Deep	USLakeGeorge	78803	Max WS	EX10y96h	855	655.23	666.06	666.12	2.1	623	205
Deep	USLakeGeorge	78803	Max WS	EX100y96h ARF	1260	655.23	667.15	667.23	2.5	834	237
Deep	USLakeGeorge	78407	Max WS	EX10y96h	853	655.00	665.84	665.88	1.8	641	217
Deep	USLakeGeorge	78407	Max WS	EX100y96h ARF	1258	655.00	666.87	666.93	2.2	816	327
Deep	USLakeGeorge	78346			Bridge						

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	78285	Max WS	EX10y96h	853	655.00	665.72	665.80	2.3	404	195
Deep	USLakeGeorge	78285	Max WS	EX100y96h ARF	1257	655.00	666.70	666.81	2.7	556	313
Deep	USLakeGeorge	77848	Max WS	EX10y96h	852	654.89	665.48	665.53	1.9	620	326
Deep	USLakeGeorge	77848	Max WS	EX100y96h ARF	1254	654.89	666.44	666.50	2.1	931	386
Deep	USLakeGeorge	77566	Max WS	EX10y96h	848	654.81	665.23	665.30	2.2	483	337
Deep	USLakeGeorge	77566	Max WS	EX100y96h ARF	1250	654.81	666.25	666.29	2.0	845	363
Deep	USLakeGeorge	77073	Max WS	EX10y96h	974	654.68	664.80	664.84	1.9	968	438
Deep	USLakeGeorge	77073	Max WS	EX100y96h ARF	1437	654.68	665.89	665.93	2.0	1477	496
Deep	USLakeGeorge	76478	Max WS	EX10y96h	974	654.53	664.47	664.50	1.6	1413	509
Deep	USLakeGeorge	76478	Max WS	EX100y96h ARF	1437	654.53	665.58	665.61	1.7	2003	547
Deep	USLakeGeorge	76044	Max WS	EX10y96h	977	654.41	664.32	664.33	1.3	1332	516
Deep	USLakeGeorge	76044	Max WS	EX100y96h ARF	1440	654.41	665.45	665.46	1.4	1928	537
Deep	USLakeGeorge	75777	Max WS	EX10y96h	978	654.34	664.20	664.23	1.6	999	345
Deep	USLakeGeorge	75777	Max WS	EX100y96h ARF	1442	654.34	665.35	665.38	1.6	1401	360
Deep	USLakeGeorge	75408	Max WS	EX10y96h	980	654.24	664.05	664.07	1.5	911	483
Deep	USLakeGeorge	75408	Max WS	EX100y96h ARF	1445	654.24	665.22	665.24	1.4	1304	512
Deep	USLakeGeorge	75368			Bridge						
Deep	USLakeGeorge	75316	Max WS	EX10y96h	980	654.22	664.01	664.04	1.4	924	325
Deep	USLakeGeorge	75316	Max WS	EX100y96h ARF	1445	654.22	665.16	665.18	1.4	1304	338
Deep	USLakeGeorge	74938	Max WS	EX10y96h	983	654.12	663.76	663.81	2.0	938	281
Deep	USLakeGeorge	74938	Max WS	EX100y96h ARF	1449	654.12	664.88	664.95	2.4	1225	306
Deep	USLakeGeorge	74633	Max WS	EX10y96h	985	654.04	663.53	663.59	2.0	660	416
Deep	USLakeGeorge	74633	Max WS	EX100y96h ARF	1429	654.04	664.60	664.68	2.4	933	459
Deep	USLakeGeorge	74229	Max WS	EX10y96h	987	653.93	663.29	663.32	1.8	1352	629
Deep	USLakeGeorge	74229	Max WS	EX100y96h ARF	1435	653.93	664.37	664.40	1.7	2055	664
Deep	USLakeGeorge	73723	Max WS	EX10y96h	985	653.80	662.84	662.92	2.4	692	725
Deep	USLakeGeorge	73723	Max WS	EX100y96h ARF	1434	653.80	663.89	664.00	2.8	911	936
Deep	USLakeGeorge	73722.9			Lat Struct						
Deep	USLakeGeorge	73616	Max WS	EX10y96h	966	653.77	662.77	662.84	2.2	521	109
Deep	USLakeGeorge	73616	Max WS	EX100y96h ARF	1332	653.77	663.83	663.91	2.5	637	112
Deep	USLakeGeorge	73500	Max WS	EX10y96h	919	653.74	662.71	662.76	2.1	553	614
Deep	USLakeGeorge	73500	Max WS	EX100y96h ARF	1327	653.74	663.76	663.83	2.3	710	620
Deep	USLakeGeorge	72900	Max WS	EX10y96h	1025	653.59	662.11	662.15	1.9	1429	547
Deep	USLakeGeorge	72900	Max WS	EX100y96h ARF	1517	653.59	663.16	663.20	2.1	2013	560
Deep	USLakeGeorge	72028	Max WS	EX10y96h	1024	653.36	661.23	661.29	2.2	887	314
Deep	USLakeGeorge	72028	Max WS	EX100y96h ARF	1517	653.36	662.28	662.35	2.5	1232	350
Deep	USLakeGeorge	71320	Max WS	EX10y96h	1024	653.17	660.67	660.69	1.5	1808	778
Deep	USLakeGeorge	71320	Max WS	EX100y96h ARF	1516	653.17	661.73	661.74	1.5	2657	815
Deep	USLakeGeorge	71053	Max WS	EX10y96h	1024	653.07	660.55	660.60	2.0	684	387
Deep	USLakeGeorge	71053	Max WS	EX100y96h ARF	1517	653.07	661.62	661.68	2.2	891	630
Deep	USLakeGeorge	70997			Bridge						
Deep	USLakeGeorge	70937	Max WS	EX10y96h	1024	652.80	660.40	660.50	2.5	530	398
Deep	USLakeGeorge	70937	Max WS	EX100y96h ARF	1516	652.80	661.38	661.53	3.2	664	560
Deep	USLakeGeorge	70139	Max WS	EX10y96h	1023	651.43	659.85	659.88	1.9	992	409
Deep	USLakeGeorge	70139	Max WS	EX100y96h ARF	1516	651.43	660.86	660.90	2.0	1433	444
Deep	USLakeGeorge	69435	Max WS	EX10y96h	1019	651.29	659.18	659.19	1.1	1394	694
Deep	USLakeGeorge	69435	Max WS	EX100y96h ARF	1516	651.29	660.28	660.29	1.0	2083	758
Deep	USLakeGeorge	68193	Max WS	EX10y96h	1011	650.01	658.63	658.65	1.4	1885	603
Deep	USLakeGeorge	68193	Max WS	EX100y96h ARF	1514	650.01	659.83	659.85	1.6	2628	645
Deep	USLakeGeorge	66864	Max WS	EX10y96h	1156	648.71	657.78	657.81	1.7	1562	482
Deep	USLakeGeorge	66864	Max WS	EX100y96h ARF	1741	648.71	659.03	659.06	1.8	2170	493

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	66388	Max WS	EX10y96h	1163	648.23	657.39	657.42	1.6	1441	460
Deep	USLakeGeorge	66388	Max WS	EX100y96h ARF	1751	648.23	658.65	658.68	1.7	2045	540
Deep	USLakeGeorge	65488	Max WS	EX10y96h	1174	647.33	656.34	656.40	2.2	937	262
Deep	USLakeGeorge	65488	Max WS	EX100y96h ARF	1768	647.33	657.50	657.58	2.7	1281	331
Deep	USLakeGeorge	64654	Max WS	EX10y96h	1183	646.49	655.14	655.18	2.0	1194	395
Deep	USLakeGeorge	64654	Max WS	EX100y96h ARF	1783	646.49	656.20	656.24	2.2	1615	401
Deep	USLakeGeorge	63857	Max WS	EX10y96h	1194	645.69	654.26	654.29	1.5	1301	583
Deep	USLakeGeorge	63857	Max WS	EX100y96h ARF	1799	645.69	655.26	655.30	1.8	1817	741
Deep	USLakeGeorge	63247	Max WS	EX10y96h	1201	645.08	653.82	653.84	1.5	1922	736
Deep	USLakeGeorge	63247	Max WS	EX100y96h ARF	1811	645.08	654.81	654.83	1.6	2650	743
Deep	USLakeGeorge	62532	Max WS	EX10y96h	1209	644.36	653.54	653.55	0.6	2368	716
Deep	USLakeGeorge	62532	Max WS	EX100y96h ARF	1824	644.36	654.54	654.54	0.7	3083	724
Deep	USLakeGeorge	62169	Max WS	EX10y96h	1215	644.00	653.39	653.49	2.6	609	914
Deep	USLakeGeorge	62169	Max WS	EX100y96h ARF	1833	644.00	654.35	654.49	3.2	1278	947
Deep	USLakeGeorge	62115			Bridge						
Deep	USLakeGeorge	62050	Max WS	EX10y96h	1215	644.00	653.29	653.40	2.9	490	832
Deep	USLakeGeorge	62050	Max WS	EX100y96h ARF	1834	644.00	654.31	654.43	3.2	1099	914
Deep	USLakeGeorge	61732	Max WS	EX10y96h	1222	643.67	653.02	653.05	1.8	1787	735
Deep	USLakeGeorge	61732	Max WS	EX100y96h ARF	1842	643.67	654.04	654.08	1.9	2550	753
Deep	USLakeGeorge	61270	Max WS	EX10y96h	1226	643.19	652.60	652.63	1.8	1834	664
Deep	USLakeGeorge	61270	Max WS	EX100y96h ARF	1850	643.19	653.64	653.67	2.0	2542	695
Deep	USLakeGeorge	61156	Max WS	EX10y96h	1228	643.07	652.44	652.47	1.7	1721	584
Deep	USLakeGeorge	61156	Max WS	EX100y96h ARF	1854	643.07	653.47	653.50	1.9	2336	622
Deep	USLakeGeorge	60978	Max WS	EX10y96h	1231	642.89	652.23	652.25	1.4	2488	810
Deep	USLakeGeorge	60978	Max WS	EX100y96h ARF	1859	642.89	653.25	653.26	1.5	3318	824
Deep	USLakeGeorge	60509	Max WS	EX10y96h	1239	642.41	651.75	651.78	1.8	1501	499
Deep	USLakeGeorge	60509	Max WS	EX100y96h ARF	1870	642.41	652.75	652.78	2.0	2003	505
Deep	USLakeGeorge	59758	Max WS	EX10y96h	1247	641.63	650.82	650.88	2.2	1320	593
Deep	USLakeGeorge	59758	Max WS	EX100y96h ARF	1883	641.63	651.82	651.87	2.4	1914	599
Deep	USLakeGeorge	58574	Max WS	EX10y96h	1257	640.40	649.67	649.70	1.8	1882	890
Deep	USLakeGeorge	58574	Max WS	EX100y96h ARF	1899	640.40	650.70	650.73	1.9	2844	1074
Deep	USLakeGeorge	57350	Max WS	EX10y96h	1270	639.13	648.63	648.67	1.9	1890	766
Deep	USLakeGeorge	57350	Max WS	EX100y96h ARF	1918	639.13	649.76	649.79	2.0	2754	772
Deep	USLakeGeorge	56397	Max WS	EX10y96h	1282	638.15	647.57	647.61	2.0	1371	436
Deep	USLakeGeorge	56397	Max WS	EX100y96h ARF	1936	638.15	648.74	648.79	2.2	1968	518
Deep	USLakeGeorge	55724	Max WS	EX10y96h	1291	637.45	646.81	646.83	1.6	2147	774
Deep	USLakeGeorge	55724	Max WS	EX100y96h ARF	1950	637.45	648.02	648.04	1.7	3154	844
Deep	USLakeGeorge	54755	Max WS	EX10y96h	1302	636.45	646.00	646.03	1.7	1795	576
Deep	USLakeGeorge	54755	Max WS	EX100y96h ARF	1967	636.45	647.32	647.35	1.9	2562	583
Deep	USLakeGeorge	53123	Max WS	EX10y96h	1316	634.76	645.09	645.11	1.4	2517	722
Deep	USLakeGeorge	53123	Max WS	EX100y96h ARF	1988	634.76	646.51	646.52	1.5	3583	786
Deep	USLakeGeorge	52077	Max WS	EX10y96h	1328	633.68	644.63	644.64	1.3	2724	712
Deep	USLakeGeorge	52077	Max WS	EX100y96h ARF	2007	633.68	646.08	646.09	1.4	3761	719
Deep	USLakeGeorge	51203	Max WS	EX10y96h	1336	632.77	644.04	644.09	1.9	1437	378
Deep	USLakeGeorge	51203	Max WS	EX100y96h ARF	2024	632.77	645.49	645.54	2.2	1984	381
Deep	USLakeGeorge	50734	Max WS	EX10y96h	1338	632.29	643.63	643.67	1.7	1528	538
Deep	USLakeGeorge	50734	Max WS	EX100y96h ARF	2022	632.29	645.02	645.07	2.0	2012	614
Deep	USLakeGeorge	50234	Max WS	EX10y96h	1517	631.77	643.21	643.27	2.2	1386	360
Deep	USLakeGeorge	50234	Max WS	EX100y96h ARF	2307	631.77	644.53	644.61	2.6	1870	372
Deep	USLakeGeorge	49556	Max WS	EX10y96h	1518	631.07	642.54	642.58	1.8	1796	541
Deep	USLakeGeorge	49556	Max WS	EX100y96h ARF	2307	631.07	643.78	643.82	2.1	2478	558

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	48301	Max WS	EX10y96h	1518	629.77	641.65	641.68	1.8	2106	843
Deep	USLakeGeorge	48301	Max WS	EX100y96h ARF	2306	629.77	642.98	643.00	1.8	3229	854
Deep	USLakeGeorge	47270	Max WS	EX10y96h	1517	628.70	640.78	640.83	2.1	1758	663
Deep	USLakeGeorge	47270	Max WS	EX100y96h ARF	2306	628.70	642.25	642.29	2.2	2768	711
Deep	USLakeGeorge	46606	Max WS	EX10y96h	1517	628.73	640.23	640.34	2.8	1170	870
Deep	USLakeGeorge	46606	Max WS	EX100y96h ARF	2306	628.73	641.69	641.84	3.4	1546	952
Deep	USLakeGeorge	46438			Bridge						
Deep	USLakeGeorge	46376	Max WS	EX10y96h	1518	628.73	639.95	640.06	2.8	717	816
Deep	USLakeGeorge	46376	Max WS	EX100y96h ARF	2306	628.73	641.20	641.35	3.3	948	944
Deep	USLakeGeorge	45906	Max WS	EX10y96h	1516	628.70	639.64	639.68	2.0	1813	664
Deep	USLakeGeorge	45906	Max WS	EX100y96h ARF	2306	628.70	640.92	640.95	2.1	2663	667
Deep	USLakeGeorge	45247	Max WS	EX10y96h	1520	627.91	638.51	638.59	2.6	1182	589
Deep	USLakeGeorge	45247	Max WS	EX100y96h ARF	2314	627.91	639.84	639.93	2.9	1849	626
Deep	USLakeGeorge	44666	Max WS	EX10y96h	1525	627.21	637.42	637.50	2.5	926	276
Deep	USLakeGeorge	44666	Max WS	EX100y96h ARF	2320	627.21	638.70	638.82	3.0	1287	283
Deep	USLakeGeorge	44232	Max WS	EX10y96h	1527	626.69	636.46	636.57	2.8	966	442
Deep	USLakeGeorge	44232	Max WS	EX100y96h ARF	2325	626.69	637.66	637.78	3.2	1593	537
Deep	USLakeGeorge	43908	Max WS	EX10y96h	1529	626.30	635.93	636.06	2.8	565	137
Deep	USLakeGeorge	43908	Max WS	EX100y96h ARF	2330	626.30	637.00	637.22	3.8	663	150
Deep	USLakeGeorge	43875			Bridge						
Deep	USLakeGeorge	43837	Max WS	EX10y96h	1529	626.30	635.66	635.90	4.0	414	87
Deep	USLakeGeorge	43837	Max WS	EX100y96h ARF	2330	626.30	636.63	637.00	5.1	500	91
Deep	USLakeGeorge	43461	Max WS	EX10y96h	1533	625.85	635.27	635.50	3.9	585	220
Deep	USLakeGeorge	43461	Max WS	EX100y96h ARF	2334	625.85	636.09	636.46	5.1	802	300
Deep	USLakeGeorge	43422			Bridge						
Deep	USLakeGeorge	43390	Max WS	EX10y96h	1533	625.77	635.16	635.37	3.8	533	249
Deep	USLakeGeorge	43390	Max WS	EX100y96h ARF	2335	625.77	636.08	636.39	4.7	825	333
Deep	USLakeGeorge	43242	Max WS	EX10y96h	1532	625.59	634.87	635.03	3.2	624	337
Deep	USLakeGeorge	43242	Max WS	EX100y96h ARF	2336	625.59	635.82	636.02	3.6	1005	418
Deep	USLakeGeorge	43046	Max WS	EX10y96h	1535	625.36	634.26	634.39	3.2	782	438
Deep	USLakeGeorge	43046	Max WS	EX100y96h ARF	2337	625.36	635.29	635.39	3.1	1348	600
Deep	USLakeGeorge	43012	Max WS	EX10y96h	1535	625.32	634.06	634.31	4.3	641	743
Deep	USLakeGeorge	43012	Max WS	EX100y96h ARF	2339	625.32	635.12	635.34	4.4	1199	867
Deep	USLakeGeorge	42998			Bridge						
Deep	USLakeGeorge	42973	Max WS	EX10y96h	1535	625.27	634.13	634.24	2.9	882	785
Deep	USLakeGeorge	42973	Max WS	EX100y96h ARF	2339	625.27	635.12	635.27	3.4	1440	895
Deep	USLakeGeorge	42477	Max WS	EX10y96h	1529	624.68	633.68	633.75	2.4	739	730
Deep	USLakeGeorge	42477	Max WS	EX100y96h ARF	2341	624.68	634.79	634.85	2.5	1335	954
Deep	USLakeGeorge	41418	Max WS	EX10y96h	1544	623.42	632.74	632.74	0.6	4151	1498
Deep	USLakeGeorge	41418	Max WS	EX100y96h ARF	2352	623.42	634.04	634.04	0.6	6114	1507
Deep	USLakeGeorge	39881	Max WS	EX10y96h	1553	621.59	631.71	631.75	2.3	1665	578
Deep	USLakeGeorge	39881	Max WS	EX100y96h ARF	2363	621.59	633.36	633.39	2.2	2648	613
Deep	USLakeGeorge	39554	Max WS	EX10y96h	1561	621.20	631.24	631.26	1.6	2441	662
Deep	USLakeGeorge	39554	Max WS	EX100y96h ARF	2367	621.20	633.04	633.06	1.6	3641	671
Deep	USLakeGeorge	38999	Max WS	EX10y96h	1564	620.54	630.85	630.87	1.7	2433	686
Deep	USLakeGeorge	38999	Max WS	EX100y96h ARF	2372	620.54	632.77	632.78	1.7	3758	695
Deep	USLakeGeorge	38116	Max WS	EX10y96h	1568	619.49	630.31	630.34	1.5	2236	560
Deep	USLakeGeorge	38116	Max WS	EX100y96h ARF	2379	619.49	632.39	632.41	1.6	3405	568
Deep	USLakeGeorge	37703	Max WS	EX10y96h	1571	619.00	629.95	630.14	3.7	655	375
Deep	USLakeGeorge	37703	Max WS	EX100y96h ARF	2385	619.00	632.03	632.30	4.3	892	618
Deep	USLakeGeorge	37631			Mult Open						

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	37554	Max WS	EX10y96h	1556	619.00	628.86	629.06	3.6	587	586
Deep	USLakeGeorge	37554	Max WS	EX100y96h ARF	2384	619.00	629.91	630.26	4.8	720	594
Deep	USLakeGeorge	36999	Max WS	EX10y96h	1575	618.25	628.30	628.33	2.0	2120	1159
Deep	USLakeGeorge	36999	Max WS	EX100y96h ARF	2391	618.25	629.33	629.37	2.2	2873	1168
Deep	USLakeGeorge	36181	Max WS	EX10y96h	1581	617.16	627.13	627.17	2.1	2070	762
Deep	USLakeGeorge	36181	Max WS	EX100y96h ARF	2400	617.16	628.19	628.23	2.3	2852	767
Deep	USLakeGeorge	35034	Max WS	EX10y96h	1585	615.61	626.11	626.13	1.9	2372	778
Deep	USLakeGeorge	35034	Max WS	EX100y96h ARF	2407	615.61	627.21	627.24	2.1	3231	784
Deep	USLakeGeorge	34012	Max WS	EX10y96h	1591	614.24	625.11	625.14	2.0	2253	834
Deep	USLakeGeorge	34012	Max WS	EX100y96h ARF	2415	614.24	626.27	626.30	2.2	3232	851
Deep	USLakeGeorge	33338	Max WS	EX10y96h	1596	613.34	624.45	624.47	1.5	3206	1197
Deep	USLakeGeorge	33338	Max WS	EX100y96h ARF	2422	613.34	625.71	625.72	1.5	4614	1215
Deep	USLakeGeorge	32345	Max WS	EX10y96h	1598	612.00	623.83	623.90	2.6	1912	624
Deep	USLakeGeorge	32345	Max WS	EX100y96h ARF	2429	612.00	625.16	625.24	2.9	2748	630
Deep	USLakeGeorge	31526	Max WS	EX10y96h	1604	610.90	623.31	623.40	2.6	704	762
Deep	USLakeGeorge	31526	Max WS	EX100y96h ARF	2439	610.90	624.62	624.75	3.1	872	808
Deep	USLakeGeorge	31484			Bridge						
Deep	USLakeGeorge	31444	Max WS	EX10y96h	1604	610.90	623.08	623.27	3.5	531	795
Deep	USLakeGeorge	31444	Max WS	EX100y96h ARF	2439	610.90	624.18	624.51	4.6	663	827
Deep	USLakeGeorge	30859	Max WS	EX10y96h	1609	610.49	622.72	622.75	1.6	2593	808
Deep	USLakeGeorge	30859	Max WS	EX100y96h ARF	2445	610.49	623.78	623.80	1.8	3450	817
Deep	USLakeGeorge	30141	Max WS	EX10y96h	1613	609.98	622.26	622.27	1.3	3444	1030
Deep	USLakeGeorge	30141	Max WS	EX100y96h ARF	2452	609.98	623.29	623.30	1.4	4510	1035
Deep	USLakeGeorge	28772	Max WS	EX10y96h	1620	609.01	621.09	621.11	1.7	2522	845
Deep	USLakeGeorge	28772	Max WS	EX100y96h ARF	2464	609.01	622.22	622.24	1.8	3480	864
Deep	USLakeGeorge	27969	Max WS	EX10y96h	1625	608.45	620.26	620.27	1.6	2873	820
Deep	USLakeGeorge	27969	Max WS	EX100y96h ARF	2472	608.45	621.45	621.47	1.7	3852	825
Deep	USLakeGeorge	26706	Max WS	EX10y96h	1629	607.55	619.53	619.55	1.6	2693	862
Deep	USLakeGeorge	26706	Max WS	EX100y96h ARF	2478	607.55	620.78	620.80	1.7	3779	869
Deep	USLakeGeorge	25820	Max WS	EX10y96h	1633	606.93	618.98	618.99	1.6	2963	854
Deep	USLakeGeorge	25820	Max WS	EX100y96h ARF	2484	606.93	620.30	620.31	1.6	4095	861
Deep	USLakeGeorge	24753	Max WS	EX10y96h	1638	606.18	618.32	618.34	1.7	2620	710
Deep	USLakeGeorge	24753	Max WS	EX100y96h ARF	2490	606.18	619.70	619.72	1.8	3609	715
Deep	USLakeGeorge	24277	Max WS	EX10y96h	1640	605.84	617.94	617.95	1.5	3008	816
Deep	USLakeGeorge	24277	Max WS	EX100y96h ARF	2495	605.84	619.37	619.38	1.6	4181	824
Deep	USLakeGeorge	23302	Max WS	EX10y96h	1645	605.15	617.40	617.41	1.2	3232	744
Deep	USLakeGeorge	23302	Max WS	EX100y96h ARF	2503	605.15	618.89	618.90	1.4	4346	750
Deep	USLakeGeorge	22507	Max WS	EX10y96h	1650	604.59	617.06	617.06	1.2	3831	835
Deep	USLakeGeorge	22507	Max WS	EX100y96h ARF	2510	604.59	618.56	618.57	1.4	5093	843
Deep	USLakeGeorge	21518	Max WS	EX10y96h	1654	603.89	616.57	616.59	1.7	2665	588
Deep	USLakeGeorge	21518	Max WS	EX100y96h ARF	2518	603.89	618.09	618.11	1.9	3565	597
Deep	USLakeGeorge	20795	Max WS	EX10y96h	1659	603.38	616.09	616.10	1.4	2372	515
Deep	USLakeGeorge	20795	Max WS	EX100y96h ARF	2525	603.38	617.62	617.64	1.5	3168	523
Deep	USLakeGeorge	20086	Max WS	EX10y96h	1663	602.88	615.74	615.75	1.4	3165	664
Deep	USLakeGeorge	20086	Max WS	EX100y96h ARF	2532	602.88	617.28	617.30	1.6	4203	679
Deep	USLakeGeorge	19928	Max WS	EX10y96h	1663	602.77	615.67	615.68	1.4	3993	841
Deep	USLakeGeorge	19928	Max WS	EX100y96h ARF	2534	602.77	617.21	617.23	1.5	5291	843
Deep	USLakeGeorge	19407	Max WS	EX10y96h	1667	602.40	615.49	615.60	2.8	1098	779
Deep	USLakeGeorge	19407	Max WS	EX100y96h ARF	2539	602.40	616.99	617.16	3.5	1507	807
Deep	USLakeGeorge	19336			Bridge						
Deep	USLakeGeorge	19273	Max WS	EX10y96h	1669	602.40	615.47	615.55	2.5	1146	543

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	19273	Max WS	EX100y96h ARF	2540	602.40	616.97	617.09	3.1	1468	550
Deep	USLakeGeorge	18982	Max WS	EX10y96h	1670	602.25	615.38	615.39	1.4	2627	605
Deep	USLakeGeorge	18982	Max WS	EX100y96h ARF	2544	602.25	616.88	616.90	1.6	3544	617
Deep	USLakeGeorge	18179	Max WS	EX10y96h	1675	601.82	614.89	614.92	1.8	2417	619
Deep	USLakeGeorge	18179	Max WS	EX100y96h ARF	2551	601.82	616.43	616.46	2.0	3372	624
Deep	USLakeGeorge	16616	Max WS	EX10y96h	1680	600.99	613.70	613.74	2.0	2220	620
Deep	USLakeGeorge	16616	Max WS	EX100y96h ARF	2562	600.99	615.44	615.47	2.1	3299	626
Deep	USLakeGeorge	16067	Max WS	EX10y96h	1680	600.70	613.22	613.23	1.3	3537	851
Deep	USLakeGeorge	16067	Max WS	EX100y96h ARF	2561	600.70	615.05	615.06	1.3	5120	875
Deep	USLakeGeorge	15127	Max WS	EX10y96h	1678	600.20	612.89	612.89	1.2	4113	933
Deep	USLakeGeorge	15127	Max WS	EX100y96h ARF	2561	600.20	614.79	614.80	1.2	5898	941
Deep	USLakeGeorge	14039	Max WS	EX10y96h	1677	599.62	612.48	612.49	1.3	3374	790
Deep	USLakeGeorge	14039	Max WS	EX100y96h ARF	2561	599.62	614.48	614.49	1.3	4965	800
Deep	USLakeGeorge	12507	Max WS	EX10y96h	1678	598.81	611.95	611.96	1.4	3136	692
Deep	USLakeGeorge	12507	Max WS	EX100y96h ARF	2561	598.81	614.08	614.09	1.4	4641	719
Deep	USLakeGeorge	11631	Max WS	EX10y96h	1863	598.34	611.71	611.71	0.7	6865	1459
Deep	USLakeGeorge	11631	Max WS	EX100y96h ARF	2851	598.34	613.90	613.90	0.7	10072	1469
Deep	USLakeGeorge	10855	Max WS	EX10y96h	1862	597.93	611.51	611.52	1.0	3631	720
Deep	USLakeGeorge	10855	Max WS	EX100y96h ARF	2850	597.93	613.75	613.76	1.1	5293	754
Deep	USLakeGeorge	9782	Max WS	EX10y96h	1862	597.31	611.19	611.27	2.5	1100	429
Deep	USLakeGeorge	9782	Max WS	EX100y96h ARF	2850	597.31	613.47	613.57	2.9	1503	496
Deep	USLakeGeorge	9716			Bridge						
Deep	USLakeGeorge	9630	Max WS	EX10y96h	1864	597.41	611.10	611.19	2.5	909	346
Deep	USLakeGeorge	9630	Max WS	EX100y96h ARF	2850	597.41	613.26	613.36	2.8	1259	423
Deep	USLakeGeorge	9188	Max WS	EX10y96h	1864	596.84	611.00	611.02	1.4	3459	657
Deep	USLakeGeorge	9188	Max WS	EX100y96h ARF	2850	596.84	613.18	613.19	1.5	4903	671
Deep	USLakeGeorge	8897	Max WS	EX10y96h	1864	596.80	610.92	610.93	0.8	2749	487
Deep	USLakeGeorge	8897	Max WS	EX100y96h ARF	2849	596.80	613.11	613.12	0.8	3834	504
Deep	USLakeGeorge	8295	Max WS	EX10y96h	1863	597.36	610.77	610.79	1.5	2948	550
Deep	USLakeGeorge	8295	Max WS	EX100y96h ARF	2850	597.36	612.98	613.00	1.7	4180	566
Deep	USLakeGeorge	8102	Max WS	EX10y96h	1886	597.37	610.65	610.66	1.0	5611	997
Deep	USLakeGeorge	8102	Max WS	EX100y96h ARF	2887	597.37	612.88	612.88	1.0	7856	1010
Deep	USLakeGeorge	7054	Max WS	EX10y96h	1886	598.53	610.25	610.28	1.9	2568	498
Deep	USLakeGeorge	7054	Max WS	EX100y96h ARF	2887	598.53	612.57	612.60	1.9	3733	507
Deep	USLakeGeorge	6756	Max WS	EX10y96h	1886	598.53	609.98	609.99	1.4	3568	665
Deep	USLakeGeorge	6756	Max WS	EX100y96h ARF	2887	598.53	612.37	612.38	1.4	5167	675
Deep	USLakeGeorge	6208	Max WS	EX10y96h	1885	598.92	609.61	609.64	1.7	2521	519
Deep	USLakeGeorge	6208	Max WS	EX100y96h ARF	2887	598.92	612.09	612.12	1.8	3836	537
Deep	USLakeGeorge	5892	Max WS	EX10y96h	1885	598.68	609.43	609.47	1.8	1623	481
Deep	USLakeGeorge	5892	Max WS	EX100y96h ARF	2887	598.68	611.97	612.00	1.7	2895	519
Deep	USLakeGeorge	5829			Bridge						
Deep	USLakeGeorge	5782	Max WS	EX10y96h	1886	598.37	609.34	609.39	1.9	1599	539
Deep	USLakeGeorge	5782	Max WS	EX100y96h ARF	2887	598.37	611.88	611.94	2.0	2948	605
Deep	USLakeGeorge	5461	Max WS	EX10y96h	1885	597.56	609.27	609.28	1.1	4549	889
Deep	USLakeGeorge	5461	Max WS	EX100y96h ARF	2887	597.56	611.83	611.84	1.1	6846	904
Deep	USLakeGeorge	5071	Max WS	EX10y96h	1885	595.61	609.15	609.16	0.9	5635	1128
Deep	USLakeGeorge	5071	Max WS	EX100y96h ARF	2887	595.61	611.76	611.76	0.9	8588	1140
Deep	USLakeGeorge	4635	Max WS	EX10y96h	1885	596.19	609.07	609.08	1.5	3760	765
Deep	USLakeGeorge	4635	Max WS	EX100y96h ARF	2886	596.19	611.70	611.71	1.4	5784	772
Deep	USLakeGeorge	3552	Max WS	EX10y96h	1884	596.16	608.86	608.86	0.9	5495	986
Deep	USLakeGeorge	3552	Max WS	EX100y96h ARF	2885	596.16	611.57	611.57	0.9	8186	999

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USLakeGeorge	2936	Max WS	EX10y96h	1884	596.21	608.75	608.75	1.0	5460	916
Deep	USLakeGeorge	2936	Max WS	EX100y96h ARF	2886	596.21	611.49	611.50	1.0	7987	926
Deep	USLakeGeorge	1907	Max WS	EX10y96h	1883	596.71	608.58	608.60	1.6	3649	701
Deep	USLakeGeorge	1907	Max WS	EX100y96h ARF	2883	596.71	611.38	611.40	1.5	5622	708
Deep	USLakeGeorge	1253	Max WS	EX10y96h	1880	596.74	608.36	608.37	1.3	3930	680
Deep	USLakeGeorge	1253	Max WS	EX100y96h ARF	2883	596.74	611.23	611.24	1.3	5903	690
Deep	USLakeGeorge	620	Max WS	EX10y96h	1879	596.76	608.23	608.25	1.7	5416	930
Deep	USLakeGeorge	620	Max WS	EX100y96h ARF	2881	596.76	611.15	611.17	1.7	8144	941
Deep	USDuck	75919.1	Max WS	EX10y96h	3257	596.81	608.09	608.13	2.0	4435	721
Deep	USDuck	75919.1	Max WS	EX100y96h ARF	5039	596.81	611.03	611.08	2.2	6448	732
Deep	USDuck	75919	Max WS	EX10y96h	3256	596.81	608.09	608.13	2.0	4435	721
Deep	USDuck	75919	Max WS	EX100y96h ARF	5039	596.81	611.03	611.08	2.2	6448	732
Deep	USDuck	74577	Max WS	EX10y96h	3259	597.00	608.00	608.01	0.5	7056	1184
Deep	USDuck	74577	Max WS	EX100y96h ARF	5044	597.00	610.97	610.97	0.6	10062	1199
Deep	USDuck	73646	Max WS	EX10y96h	3261	596.68	608.00	608.00	0.4	7827	878
Deep	USDuck	73646	Max WS	EX100y96h ARF	5047	596.68	610.96	610.96	0.5	10057	888
Deep	USDuck	73085	Max WS	EX10y96h	3263	596.68	607.99	608.00	0.5	7159	775
Deep	USDuck	73085	Max WS	EX100y96h ARF	5050	596.68	610.96	610.96	0.5	9223	784
Deep	USDuck	72588	Max WS	EX10y96h	3263	596.89	607.98	607.99	0.7	5006	605
Deep	USDuck	72588	Max WS	EX100y96h ARF	5053	596.89	610.95	610.96	0.8	6430	623
Deep	USDuck	72272	Max WS	EX10y96h	3264	596.89	607.94	607.99	1.7	1992	640
Deep	USDuck	72272	Max WS	EX100y96h ARF	5055	596.89	610.89	610.95	2.0	2585	656
Deep	USDuck	72176			Bridge						
Deep	USDuck	72091	Max WS	EX10y96h	3257	596.89	607.34	607.47	2.9	1153	670
Deep	USDuck	72091	Max WS	EX100y96h ARF	5051	596.89	610.07	610.25	3.4	1510	686
Deep	USDuck	71748	Max WS	EX10y96h	3259	596.89	607.36	607.37	0.8	4193	1049
Deep	USDuck	71748	Max WS	EX100y96h ARF	5054	596.89	610.12	610.14	0.9	5474	1175
Deep	USDuck	71471	Max WS	EX10y96h	3259	596.89	607.36	607.37	0.7	6438	859
Deep	USDuck	71471	Max WS	EX100y96h ARF	5056	596.89	610.12	610.13	0.8	8270	878
Deep	USDuck	70800	Max WS	EX10y96h	3261	597.00	607.35	607.36	0.6	5185	1058
Deep	USDuck	70800	Max WS	EX100y96h ARF	5059	597.00	610.11	610.12	0.8	6707	1162
Deep	USDuck	70081	Max WS	EX10y96h	3263	596.48	607.34	607.35	0.8	4120	461
Deep	USDuck	70081	Max WS	EX100y96h ARF	5063	596.48	610.09	610.11	0.9	5330	470
Deep	USDuck	69112	Max WS	EX10y96h	3265	596.00	607.31	607.33	0.8	3866	754
Deep	USDuck	69112	Max WS	EX100y96h ARF	5067	596.00	610.07	610.09	1.0	4900	772
Deep	USDuck	68349	Max WS	EX10y96h	3266	596.44	607.31	607.31	0.6	6257	797
Deep	USDuck	68349	Max WS	EX100y96h ARF	5072	596.44	610.07	610.07	0.6	8491	824
Deep	USDuck	68057	Max WS	EX10y96h	3267	595.52	607.27	607.31	1.6	2220	734
Deep	USDuck	68057	Max WS	EX100y96h ARF	5072	595.52	610.04	610.07	1.7	3731	751
Deep	USDuck	67948			Bridge						
Deep	USDuck	67862	Max WS	EX10y96h	3268	595.63	607.26	607.27	0.9	4229	1132
Deep	USDuck	67862	Max WS	EX100y96h ARF	5074	595.63	610.02	610.03	1.0	5582	1215
Deep	USDuck	67287	Max WS	EX10y96h	3270	596.15	607.26	607.26	0.5	7350	766
Deep	USDuck	67287	Max WS	EX100y96h ARF	5077	596.15	610.02	610.03	0.6	9478	775
Deep	USDuck	66449	Max WS	EX10y96h	3272	596.00	607.25	607.25	0.7	5071	532
Deep	USDuck	66449	Max WS	EX100y96h ARF	5081	596.00	610.01	610.02	0.8	6518	542
Deep	USDuck	65658	Max WS	EX10y96h	3274	595.31	607.24	607.25	0.5	7088	1147
Deep	USDuck	65658	Max WS	EX100y96h ARF	5085	595.31	610.01	610.01	0.6	8950	1205
Deep	USDuck	64951	Max WS	EX10y96h	3275	595.27	607.24	607.24	0.5	7085	765
Deep	USDuck	64951	Max WS	EX100y96h ARF	5089	595.27	610.00	610.01	0.6	8950	783
Deep	USDuck	64403	Max WS	EX10y96h	3277	596.80	607.22	607.23	0.9	3718	433
Deep	USDuck	64403	Max WS	EX100y96h ARF	5091	596.80	609.98	610.00	1.1	4831	444

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	USDuck	64140	Max WS	EX10y96h	3277	595.08	607.09	607.24	3.2	1030	404
Deep	USDuck	64140	Max WS	EX100y96h ARF	5093	595.08	609.79	610.03	4.0	1287	431
Deep	USDuck	64073			Bridge						
Deep	USDuck	63973	Max WS	EX10y96h	3277	593.70	606.56	606.67	2.7	1280	380
Deep	USDuck	63973	Max WS	EX100y96h ARF	5093	593.70	608.91	609.08	3.4	1559	408
Deep	USDuck	63867	Max WS	EX10y96h	3277	594.00	606.61	606.65	1.6	2095	442
Deep	USDuck	63867	Max WS	EX100y96h ARF	5093	594.00	609.00	609.06	2.1	2593	497
Deep	USDuck	63747	Max WS	EX10y96h	3277	594.89	606.61	606.64	1.6	2163	435
Deep	USDuck	63747	Max WS	EX100y96h ARF	5093	594.89	608.99	609.05	2.0	2649	468
Deep	USDuck	63629			Culvert						
Deep	USDuck	63518	Max WS	EX10y96h	3277	593.73	606.45	606.49	1.6	2068	503
Deep	USDuck	63518	Max WS	EX100y96h ARF	5094	593.73	608.73	608.80	2.1	2511	519
Deep	USDuck	63249	Max WS	EX10y96h	3278	589.74	606.47	606.47	0.6	5430	927
Deep	USDuck	63249	Max WS	EX100y96h ARF	5095	589.74	608.77	608.78	0.8	6434	955
Deep	USDuck	62725	Max WS	EX10y96h	3279	591.46	606.47	606.47	0.3	11243	1224
Deep	USDuck	62725	Max WS	EX100y96h ARF	5096	591.46	608.77	608.77	0.4	13307	1299
Deep	USDuck	62349	Max WS	EX10y96h	3278	591.76	606.47	606.47	0.3	11099	1191
Deep	USDuck	62349	Max WS	EX100y96h ARF	5095	591.76	608.77	608.77	0.4	13958	1371
Deep	USDuck	62232			Inl Struct						
Deep	USDuck	62095	Max WS	EX10y96h	3271	590.00	603.32	603.36	1.7	2017	539
Deep	USDuck	62095	Max WS	EX100y96h ARF	5093	590.00	605.76	605.82	2.2	2448	544
Deep	USDuck	61997	Max WS	EX10y96h	3272	589.00	603.34	603.36	1.0	3550	484
Deep	USDuck	61997	Max WS	EX100y96h ARF	5093	589.00	605.79	605.81	1.3	4346	500
Deep	USDuck	61825	Max WS	EX10y96h	3271	590.00	603.31	603.35	1.7	1899	251
Deep	USDuck	61825	Max WS	EX100y96h ARF	5092	590.00	605.73	605.81	2.2	2324	283
Deep	USDuck	61746			Bridge						
Deep	USDuck	61668	Max WS	EX10y96h	3270	589.14	602.54	602.69	3.1	1123	158
Deep	USDuck	61668	Max WS	EX100y96h ARF	5092	589.14	605.18	605.40	3.8	1500	219
Deep	USDuck	61549	Max WS	EX10y96h	3271	588.37	602.58	602.66	2.3	1692	351
Deep	USDuck	61549	Max WS	EX100y96h ARF	5092	588.37	605.25	605.36	2.8	2335	396
Deep	DSDuck	961329	Max WS	EX10y96h	3685	587.27	602.56	602.62	2.0	1993	523
Deep	DSDuck	961329	Max WS	EX100y96h ARF	5759	587.27	605.22	605.32	2.6	2617	666
Deep	DSDuck	961230	Max WS	EX10y96h	3685	587.13	602.56	602.61	1.9	2287	248
Deep	DSDuck	961230	Max WS	EX100y96h ARF	5757	587.13	605.22	605.30	2.4	2942	612
Deep	DSDuck	961109			Bridge						
Deep	DSDuck	960993	Max WS	EX10y96h	3685	580.09	602.47	602.52	1.7	2601	805
Deep	DSDuck	960993	Max WS	EX100y96h ARF	5758	580.09	605.08	605.15	2.2	3170	843
Deep	DSDuck	960900			Lat Struct						
Deep	DSDuck	960895	Max WS	EX10y96h	3684	586.61	602.47	602.50	1.7	3220	623
Deep	DSDuck	960895	Max WS	EX100y96h ARF	5758	586.61	605.09	605.13	2.0	4299	635
Deep	DSDuck	960679	Max WS	EX10y96h	3684	585.90	602.44	602.47	1.6	3573	508
Deep	DSDuck	960679	Max WS	EX100y96h ARF	5757	585.90	605.06	605.10	1.9	4687	518
Deep	DSDuck	960529	Max WS	EX10y96h	3683	587.09	602.41	602.44	1.8	2971	390
Deep	DSDuck	960529	Max WS	EX100y96h ARF	5728	587.09	605.02	605.07	2.2	3854	405
Deep	DSDuck	959872	Max WS	EX10y96h	3680	588.23	602.28	602.32	1.8	3276	427
Deep	DSDuck	959872	Max WS	EX100y96h ARF	4649	588.23	604.93	604.96	1.7	4516	509
Deep	DSDuck	959178	Max WS	EX10y96h	3678	588.04	602.18	602.20	1.7	3885	565
Deep	DSDuck	959178	Max WS	EX100y96h ARF	5755	588.04	604.83	604.86	1.9	5457	607
Deep	DSDuck	958649	Max WS	EX10y96h	3677	588.33	602.09	602.12	1.7	3001	434
Deep	DSDuck	958649	Max WS	EX100y96h ARF	5754	588.33	604.73	604.77	2.0	3906	474

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	DSDuck	957989	Max WS	EX10y96h	3675	587.53	602.00	602.02	1.4	4468	606
Deep	DSDuck	957989	Max WS	EX100y96h ARF	5753	587.53	604.65	604.67	1.6	6059	634
Deep	DSDuck	957262	Max WS	EX10y96h	3674	586.61	601.89	601.92	1.7	3482	443
Deep	DSDuck	957262	Max WS	EX100y96h ARF	5753	586.61	604.53	604.57	2.0	4558	477
Deep	DSDuck	956509	Max WS	EX10y96h	3673	585.48	601.76	601.83	2.2	2308	502
Deep	DSDuck	956509	Max WS	EX100y96h ARF	5752	585.48	604.37	604.47	2.8	2957	530
Deep	DSDuck	956387			Bridge						
Deep	DSDuck	956282	Max WS	EX10y96h	3673	585.56	601.51	601.59	2.4	1808	478
Deep	DSDuck	956282	Max WS	EX100y96h ARF	5750	585.56	603.84	603.97	3.0	2287	503
Deep	DSDuck	956184	Max WS	EX10y96h	3673	586.11	601.52	601.58	2.1	2064	486
Deep	DSDuck	956184	Max WS	EX100y96h ARF	5749	586.11	603.85	603.94	2.6	2653	509
Deep	DSDuck	956039	Max WS	EX10y96h	3673	585.93	601.52	601.55	1.7	2724	706
Deep	DSDuck	956039	Max WS	EX100y96h ARF	5750	585.93	603.86	603.91	2.1	3409	725
Deep	DSDuck	955916	Max WS	EX10y96h	3674	586.80	601.51	601.54	1.5	3298	1134
Deep	DSDuck	955916	Max WS	EX100y96h ARF	5749	586.80	603.85	603.89	1.9	4106	1161
Deep	DSDuck	955614	Max WS	EX10y96h	3673	587.46	601.48	601.51	1.6	3443	583
Deep	DSDuck	955614	Max WS	EX100y96h ARF	5750	587.46	603.82	603.86	1.8	4526	614
Deep	DSDuck	954784	Max WS	EX10y96h	3672	586.58	601.38	601.42	1.7	2741	392
Deep	DSDuck	954784	Max WS	EX100y96h ARF	5747	586.58	603.70	603.75	2.1	3435	409
Deep	DSDuck	954658	Max WS	EX10y96h	3690	586.80	601.22	601.43	3.7	1089	191
Deep	DSDuck	954658	Max WS	EX100y96h ARF	5783	586.80	603.46	603.78	4.6	1380	414
Deep	DSDuck	954592			Bridge						
Deep	DSDuck	954427.1	Max WS	EX10y96h	3687	586.32	601.03	601.13	2.6	1585	896
Deep	DSDuck	954427.1	Max WS	EX100y96h ARF	5780	586.32	603.22	603.39	3.4	1899	940
Deep	DSDuck	954427	Max WS	EX10y96h	3686	586.32	601.03	601.13	2.6	1585	896
Deep	DSDuck	954427	Max WS	EX100y96h ARF	5780	586.32	603.22	603.39	3.4	1898	940
Deep	DSDuck	954107	Max WS	EX10y96h	3711	586.32	601.02	601.06	1.7	3305	464
Deep	DSDuck	954107	Max WS	EX100y96h ARF	5826	586.32	603.23	603.29	2.2	4387	521
Deep	DSDuck	953696	Max WS	EX10y96h	3708	586.69	600.93	600.98	2.1	3197	475
Deep	DSDuck	953696	Max WS	EX100y96h ARF	5824	586.69	603.11	603.19	2.6	4254	490
Deep	DSDuck	953203	Max WS	EX10y96h	3709	587.19	600.88	600.91	1.6	4491	565
Deep	DSDuck	953203	Max WS	EX100y96h ARF	5822	587.19	603.06	603.10	2.0	5739	580
Deep	DSDuck	952132	Max WS	EX10y96h	3706	585.38	600.75	600.80	1.9	3174	391
Deep	DSDuck	952132	Max WS	EX100y96h ARF	5820	585.38	602.89	602.97	2.4	4037	417
Deep	DSDuck	951884	Max WS	EX10y96h	3706	585.38	600.69	600.74	2.0	2913	340
Deep	DSDuck	951884	Max WS	EX100y96h ARF	5819	585.38	602.81	602.89	2.6	3649	356
Deep	DSDuck	951566	Max WS	EX10y96h	3705	585.38	600.63	600.69	2.0	2358	302
Deep	DSDuck	951566	Max WS	EX100y96h ARF	5817	585.38	602.73	602.82	2.6	3004	315
Deep	DSDuck	950991	Max WS	EX10y96h	3704	585.38	600.54	600.60	2.3	3247	465
Deep	DSDuck	950991	Max WS	EX100y96h ARF	5816	585.38	602.61	602.69	2.8	4225	479
Deep	DSDuck	950682	Max WS	EX10y96h	3703	585.67	600.51	600.54	1.8	3559	520
Deep	DSDuck	950682	Max WS	EX100y96h ARF	5814	585.67	602.57	602.63	2.3	4669	556
Deep	DSDuck	949909	Max WS	EX10y96h	3702	585.17	600.39	600.44	1.9	2606	330
Deep	DSDuck	949909	Max WS	EX100y96h ARF	5812	585.17	602.41	602.49	2.4	3285	342
Deep	DSDuck	949579			Lat Struct						
Deep	DSDuck	949279	Max WS	EX10y96h	3565	584.72	600.33	600.37	1.7	2830	694
Deep	DSDuck	949279	Max WS	EX100y96h ARF	5587	584.72	602.34	602.39	2.1	3672	732
Deep	DSDuck	949168	Max WS	EX10y96h	3569	584.64	600.32	600.35	1.5	3279	670
Deep	DSDuck	949168	Max WS	EX100y96h ARF	5600	584.64	602.33	602.37	1.9	4285	764
Deep	DSDuck	948729	Max WS	EX10y96h	3700	583.73	600.26	600.31	1.8	2306	956
Deep	DSDuck	948729	Max WS	EX100y96h ARF	5810	583.73	602.25	602.32	2.3	3608	1239

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	DSDuck	948655			Bridge						
Deep	DSDuck	948480.1	Max WS	EX10y96h	3698	583.80	599.89	599.93	1.5	2631	1368
Deep	DSDuck	948480.1	Max WS	EX100y96h ARF	5806	583.80	601.97	602.01	1.7	4219	1474
Deep	DSDuck	948480	Max WS	EX10y96h	3699	583.80	599.89	599.93	1.5	2631	1368
Deep	DSDuck	948480	Max WS	EX100y96h ARF	5805	583.80	601.97	602.01	1.7	4218	1474
Deep	DSDuck	948428	Max WS	EX10y96h	3820	583.80	599.90	599.92	1.3	4533	952
Deep	DSDuck	948428	Max WS	EX100y96h ARF	6012	583.80	601.97	602.00	1.5	6566	1004
Deep	DSDuck	948174	Max WS	EX10y96h	3820	585.55	599.86	599.89	1.6	3219	711
Deep	DSDuck	948174	Max WS	EX100y96h ARF	6011	585.55	601.94	601.97	1.8	4839	820
Deep	DSDuck	947566	Max WS	EX10y96h	3820	585.55	599.77	599.79	1.5	3910	669
Deep	DSDuck	947566	Max WS	EX100y96h ARF	6009	585.55	601.85	601.87	1.7	5323	694
Deep	DSDuck	946997	Max WS	EX10y96h	3816	585.55	599.61	599.66	2.1	2746	452
Deep	DSDuck	946997	Max WS	EX100y96h ARF	6006	585.55	601.66	601.73	2.5	3708	481
Deep	DSDuck	946167	Max WS	EX10y96h	3816	585.55	599.53	599.54	1.2	6939	1153
Deep	DSDuck	946167	Max WS	EX100y96h ARF	6004	585.55	601.58	601.59	1.3	9391	1232
Deep	DSDuck	945248	Max WS	EX10y96h	3816	588.03	599.48	599.49	1.4	5499	954
Deep	DSDuck	945248	Max WS	EX100y96h ARF	6004	588.03	601.53	601.55	1.6	7524	1018
Deep	DSDuck	944337	Max WS	EX10y96h	3815	585.30	599.41	599.43	1.3	5221	885
Deep	DSDuck	944337	Max WS	EX100y96h ARF	6002	585.30	601.46	601.48	1.5	7066	913
Deep	DSDuck	942778	Max WS	EX10y96h	3814	584.41	599.05	599.21	3.2	1198	1108
Deep	DSDuck	942778	Max WS	EX100y96h ARF	5997	584.41	601.09	601.28	3.7	3053	1152
Deep	DSDuck	942375	Max WS	EX10y96h	3814	584.44	598.95	599.08	3.0	1294	1015
Deep	DSDuck	942375	Max WS	EX100y96h ARF	5996	584.44	600.97	601.14	3.5	3052	1199
Deep	DSDuck	942129	Max WS	EX10y96h	3813	585.50	598.86	599.01	3.1	1226	896
Deep	DSDuck	942129	Max WS	EX100y96h ARF	5996	585.50	600.89	601.06	3.5	2848	1146
Deep	DSDuck	941984	Max WS	EX10y96h	3813	585.19	598.75	598.94	3.5	1097	746
Deep	DSDuck	941984	Max WS	EX100y96h ARF	5991	585.19	600.72	601.01	4.4	1955	871
Deep	DSDuck	941852			Bridge						
Deep	DSDuck	941790	Max WS	EX10y96h	3814	583.71	598.75	598.84	2.5	1670	537
Deep	DSDuck	941790	Max WS	EX100y96h ARF	5993	583.71	600.71	600.87	3.3	2478	905
Deep	DSDuck	941433	Max WS	EX10y96h	3813	585.40	598.45	598.63	3.4	1156	534
Deep	DSDuck	941433	Max WS	EX100y96h ARF	5987	585.40	600.40	600.65	4.1	1975	762
Deep	DSDuck	940705	Max WS	EX10y96h	3812	584.26	598.14	598.23	2.6	1963	435
Deep	DSDuck	940705	Max WS	EX100y96h ARF	5986	584.26	600.13	600.27	3.2	2883	475
Deep	DSDuck	940620			Bridge						
Deep	DSDuck	940573	Max WS	EX10y96h	3810	585.63	597.82	597.99	3.6	1722	444
Deep	DSDuck	940573	Max WS	EX100y96h ARF	5975	585.63	599.83	600.02	4.1	2681	531
Deep	DSDuck	940382	Max WS	EX10y96h	3810	585.57	597.84	597.86	1.6	4857	949
Deep	DSDuck	940382	Max WS	EX100y96h ARF	5978	585.57	599.86	599.88	1.8	6829	1003
Deep	DSDuck	939456	Max WS	EX10y96h	3810	585.47	597.75	597.77	1.6	4469	812
Deep	DSDuck	939456	Max WS	EX100y96h ARF	5977	585.47	599.76	599.80	1.9	6147	858
Deep	DSDuck	938026	Max WS	EX10y96h	3809	585.07	597.64	597.66	1.7	5203	974
Deep	DSDuck	938026	Max WS	EX100y96h ARF	5972	585.07	599.66	599.69	1.9	7204	1009
Deep	DSDuck	937064	Max WS	EX10y96h	3809	584.87	597.31	597.44	2.9	1705	390
Deep	DSDuck	937064	Max WS	EX100y96h ARF	5964	584.87	599.29	599.46	3.5	2551	473
Deep	DSDuck	936422	Max WS	EX10y96h	3808	584.69	597.22	597.30	2.3	2163	306
Deep	DSDuck	936422	Max WS	EX100y96h ARF	5962	584.69	599.18	599.29	2.9	2772	317
Deep	DSDuck	935423	Max WS	EX10y96h	3809	584.69	597.06	597.14	2.3	2107	342
Deep	DSDuck	935423	Max WS	EX100y96h ARF	5956	584.69	598.98	599.10	2.9	2782	360
Deep	DSDuck	934734	Max WS	EX10y96h	3860	584.69	596.97	597.04	2.2	2559	471
Deep	DSDuck	934734	Max WS	EX100y96h ARF	6041	584.69	598.88	598.98	2.7	3489	499

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	DSDuck	934223	Max WS	EX10y96h	3860	584.72	596.91	596.98	2.0	2218	358
Deep	DSDuck	934223	Max WS	EX100y96h ARF	6034	584.72	598.81	598.90	2.6	2928	389
Deep	DSDuck	934145			Bridge						
Deep	DSDuck	934031	Max WS	EX10y96h	3860	583.42	596.37	596.45	2.2	2049	371
Deep	DSDuck	934031	Max WS	EX100y96h ARF	6037	583.42	598.29	598.40	2.8	2798	420
Deep	DSDuck	933391	Max WS	EX10y96h	3860	583.62	596.29	596.35	2.3	3138	634
Deep	DSDuck	933391	Max WS	EX100y96h ARF	5957	583.62	598.22	598.29	2.6	4376	648
Deep	DSDuck	932574	Max WS	EX10y96h	3859	584.41	596.10	596.19	2.5	1775	281
Deep	DSDuck	932574	Max WS	EX100y96h ARF	5919	584.41	597.98	598.12	3.1	2334	316
Deep	DSDuck	931721	Max WS	EX10y96h	3859	584.51	595.93	596.02	2.4	1758	315
Deep	DSDuck	931721	Max WS	EX100y96h ARF	5875	584.51	597.79	597.92	2.9	2413	389
Deep	DSDuck	931117	Max WS	EX10y96h	3859	584.61	595.87	595.92	2.1	3040	612
Deep	DSDuck	931117	Max WS	EX100y96h ARF	5858	584.61	597.74	597.81	2.3	4202	628
Deep	DSDuck	930406	Max WS	EX10y96h	3859	584.67	595.80	595.85	2.0	3202	688
Deep	DSDuck	930406	Max WS	EX100y96h ARF	5850	584.67	597.68	597.74	2.2	4534	727
Deep	DSDuck	929978	Max WS	EX10y96h	3857	585.50	595.76	595.81	1.9	2524	452
Deep	DSDuck	929978	Max WS	EX100y96h ARF	5827	585.50	597.63	597.69	2.2	3429	523
Deep	DSDuck	929807	Max WS	EX10y96h	3858	584.96	595.72	595.79	2.2	1974	379
Deep	DSDuck	929807	Max WS	EX100y96h ARF	5812	584.96	597.58	597.68	2.6	2602	482
Deep	DSDuck	929749			Bridge						
Deep	DSDuck	929665	Max WS	EX10y96h	3858	584.51	595.52	595.60	2.3	1876	386
Deep	DSDuck	929665	Max WS	EX100y96h ARF	5800	584.51	597.40	597.51	2.8	2526	451
Deep	DSDuck	929174	Max WS	EX10y96h	3858	585.58	595.49	595.54	1.9	2930	689
Deep	DSDuck	929174	Max WS	EX100y96h ARF	5789	585.58	597.38	597.44	2.2	4305	771
Deep	DSDuck	928469	Max WS	EX10y96h	3857	584.96	595.40	595.47	2.2	2276	543
Deep	DSDuck	928469	Max WS	EX100y96h ARF	5748	584.96	597.29	597.37	2.4	3399	636
Deep	DSDuck	927523	Max WS	EX10y96h	3856	584.77	595.22	595.33	2.7	1700	429
Deep	DSDuck	927523	Max WS	EX100y96h ARF	5670	584.77	597.13	597.25	2.9	2645	587
Deep	DSDuck	926814	Max WS	EX10y96h	3856	584.02	595.14	595.22	2.4	1997	553
Deep	DSDuck	926814	Max WS	EX100y96h ARF	5656	584.02	597.08	597.16	2.4	2921	620
Deep	DSDuck	926669	Max WS	EX10y96h	3857	583.94	595.11	595.20	2.4	1911	519
Deep	DSDuck	926669	Max WS	EX100y96h ARF	5622	583.94	597.04	597.14	2.6	2825	698
Deep	DSDuck	926582			Bridge						
Deep	DSDuck	926438	Max WS	EX10y96h	3856	581.96	595.11	595.15	1.7	2732	712
Deep	DSDuck	926438	Max WS	EX100y96h ARF	5637	581.96	597.05	597.10	1.9	3626	805
Deep	DSDuck	925793	Max WS	EX10y96h	3856	586.69	594.99	595.07	2.4	2060	483
Deep	DSDuck	925793	Max WS	EX100y96h ARF	5567	586.69	596.94	597.04	2.6	3106	586
Deep	DSDuck	925300	Max WS	EX10y96h	3855	585.53	594.92	594.99	2.3	2272	486
Deep	DSDuck	925300	Max WS	EX100y96h ARF	5540	585.53	596.89	596.97	2.5	3306	559
Deep	DSDuck	925073	Max WS	EX10y96h	3855	585.18	594.89	594.95	2.0	2126	422
Deep	DSDuck	925073	Max WS	EX100y96h ARF	5512	585.18	596.86	596.93	2.2	3099	565
Deep	DSDuck	924833	Max WS	EX10y96h	3854	584.76	594.81	594.92	2.6	1578	297
Deep	DSDuck	924833	Max WS	EX100y96h ARF	5469	584.76	596.78	596.91	2.9	2039	322
Deep	DSDuck	924743			Bridge						
Deep	DSDuck	924681	Max WS	EX10y96h	3843	583.83	594.04	594.17	2.9	1369	202
Deep	DSDuck	924681	Max WS	EX100y96h ARF	5421	583.83	596.00	596.16	3.3	1761	329
Deep	DSDuck	924342	Max WS	EX10y96h	3834	585.20	593.92	594.06	3.0	1276	229
Deep	DSDuck	924342	Max WS	EX100y96h ARF	5351	585.20	595.94	596.07	3.0	1926	418
Deep	DSDuck	924002	Max WS	EX10y96h	3826	585.46	593.79	593.94	3.1	1518	431
Deep	DSDuck	924002	Max WS	EX100y96h ARF	5298	585.46	595.87	595.99	2.8	2635	802

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Deep	DSDuck	923827	Max WS	EX10y96h	3822	584.38	593.72	593.86	3.2	1574	541
Deep	DSDuck	923827	Max WS	EX100y96h ARF	5285	584.38	595.84	595.94	2.9	3097	1216
Deep	DSDuck	923771	Max WS	EX10y96h	3818	580.08	593.67	593.84	3.5	1473	410
Deep	DSDuck	923771	Max WS	EX100y96h ARF	5244	580.08	595.79	595.94	3.4	2958	1306
Deep	DSDuck	923770			Inl Struct						
Deep	DSDuck	923736	Max WS	EX10y96h	3580	582.50	593.29	593.36	2.2	2196	487
Deep	DSDuck	923736	Max WS	EX100y96h ARF	5232	582.50	595.74	595.81	2.3	3998	1447
Deep	DSDuck	923653	Max WS	EX10y96h	3568	585.50	593.24	593.33	2.6	2065	554
Deep	DSDuck	923653	Max WS	EX100y96h ARF	5214	585.50	595.71	595.77	2.4	4146	1727
Deep	DSDuck	923529	Max WS	EX10y96h	3540	583.50	593.12	593.30	3.5	1230	1062
Deep	DSDuck	923529	Max WS	EX100y96h ARF	5201	583.50	595.65	595.78	3.2	2920	1536
Deep	DSDuck	923513			Lat Struct						
Deep	DSDuck	923502	Max WS	EX10y96h	3560	578.50	593.19	593.28	2.5	1624	662
Deep	DSDuck	923502	Max WS	EX100y96h ARF	5193	578.50	595.66	595.76	2.7	3143	1303
Deep	DSDuck	923500			Bridge						
Deep	DSDuck	923450	Max WS	EX10y96h	3555	578.57	593.17	593.26	2.5	1649	1214
Deep	DSDuck	923450	Max WS	EX100y96h ARF	5202	578.57	595.64	595.74	2.7	2840	1719
Deep	DSDuck	923408	Max WS	EX10y96h	3537	581.50	593.10	593.27	3.3	1258	1320
Deep	DSDuck	923408	Max WS	EX100y96h ARF	5179	581.50	595.62	595.75	3.2	2508	1837
Deep	DSDuck	923308	Max WS	EX10y96h	3546	579.50	593.13	593.23	2.6	1487	1389
Deep	DSDuck	923308	Max WS	EX100y96h ARF	5169	579.50	595.61	595.72	2.8	2417	1729
Deep	DSDuck	923080	Max WS	EX10y96h	3547	576.34	593.13	593.20	2.2	1804	518
Deep	DSDuck	923080	Max WS	EX100y96h ARF	5156	576.34	595.62	595.69	2.4	2949	1494
Deep	DSDuck	922636	Max WS	EX10y96h	3541	576.79	593.05	593.15	2.6	1501	369
Deep	DSDuck	922636	Max WS	EX100y96h ARF	5139	576.79	595.56	595.66	2.8	3518	1588
Deep	DSDuck	922169	Max WS	EX10y96h	3531	574.33	592.99	593.09	2.5	1612	462
Deep	DSDuck	922169	Max WS	EX100y96h ARF	5100	574.33	595.51	595.60	2.7	3402	1131
Deep	DSDuck	921587	Max WS	EX10y96h	3536	577.07	592.91	593.00	2.5	1429	155
Deep	DSDuck	921587	Max WS	EX100y96h ARF	5180	577.07	595.39	595.52	2.9	1762	343
Deep	DSDuck	921501	Max WS	EX10y96h	3504	577.07	592.82	592.99	3.3	1061	88
Deep	DSDuck	921501	Max WS	EX100y96h ARF	5132	577.07	595.25	595.50	4.0	1281	249
Deep	DSDuck	921345			Bridge						
Deep	DSDuck	921039.2	Max WS	EX10y96h	3461	577.00	592.67	592.81	3.1	1289	902
Deep	DSDuck	921039.2	Max WS	EX100y96h ARF	5087	577.00	595.11	595.31	3.6	1620	973
Deep	DSDuck	921039.1	Max WS	EX10y96h	3461	577.00	592.67	592.81	3.1	1289	902
Deep	DSDuck	921039.1	Max WS	EX100y96h ARF	5087	577.00	595.11	595.31	3.6	1620	973
Deep	DSDuck	921039	Max WS	EX10y96h	3461	577.00	592.67	592.81	3.1	1289	902
Deep	DSDuck	921039	Max WS	EX100y96h ARF	5082	577.00	595.11	595.31	3.6	1620	973
Burns	Burns	920939	Max WS	EX10y96h	3593	576.90	592.67	592.83	3.2	1116	95
Burns	Burns	920939	Max WS	EX100y96h ARF	5266	576.90	595.11	595.35	3.9	1355	101
Burns	Burns	920769			Lat Struct						
Burns	Burns	920617	Max WS	EX10y96h	3589	577.01	592.57	592.75	3.4	1072	92
Burns	Burns	920617	Max WS	EX100y96h ARF	5251	577.01	594.99	595.25	4.2	1299	96
Burns	Burns	920468	Max WS	EX10y96h	3587	576.79	592.54	592.71	3.3	1081	98
Burns	Burns	920468	Max WS	EX100y96h ARF	5250	576.79	594.96	595.21	4.0	1348	123
Burns	Burns	920465			Lat Struct						
Burns	Burns	920185	Max WS	EX10y96h	3587	577.35	592.51	592.65	3.0	1209	97
Burns	Burns	920185	Max WS	EX100y96h ARF	5090	577.35	594.95	595.14	3.5	1457	108
Burns	Burns	919872	Max WS	EX10y96h	3579	577.73	592.45	592.58	2.9	1225	109
Burns	Burns	919872	Max WS	EX100y96h ARF	5119	577.73	594.89	595.07	3.4	1569	152

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Burns	Burns	919832	Max WS	EX10y96h	3578	577.73	592.45	592.58	2.9	1264	124
Burns	Burns	919832	Max WS	EX100y96h ARF	5199	577.73	594.88	595.06	3.4	1627	246
Burns	Burns	919726			Bridge						
Burns	Burns	919668	Max WS	EX10y96h	3551	578.51	592.25	592.44	3.5	1029	115
Burns	Burns	919668	Max WS	EX100y96h ARF	5177	578.51	594.68	594.92	3.9	1375	193
Burns	Burns	919588	Max WS	EX10y96h	3551	578.15	592.25	592.42	3.3	1184	170
Burns	Burns	919588	Max WS	EX100y96h ARF	5171	578.15	594.68	594.90	3.8	1622	221
Burns	Burns	919536			Bridge						
Burns	Burns	919491	Max WS	EX10y96h	3561	573.94	592.32	592.40	2.4	1619	305
Burns	Burns	919491	Max WS	EX100y96h ARF	5185	573.94	594.75	594.88	2.9	2040	341
Burns	Burns	919490			Lat Struct						
Burns	Burns	919476			Lat Struct						
Burns	Burns	919340	Max WS	EX10y96h	3520	573.94	592.29	592.38	2.5	1446	126
Burns	Burns	919340	Max WS	EX100y96h ARF	4947	573.94	594.73	594.86	2.9	1759	130
Burns	Burns	919021	Max WS	EX10y96h	2915	575.36	592.32	592.37	1.8	1682	163
Burns	Burns	919021	Max WS	EX100y96h ARF	4062	575.36	594.79	594.85	2.1	2085	164
Burns	Burns	918058	Max WS	EX10y96h	2011	575.23	592.29	592.33	1.4	1452	153
Burns	Burns	918058	Max WS	EX100y96h ARF	2250	575.23	594.81	594.84	1.3	1842	159
Burns	Burns	917449	Max WS	EX10y96h	1572	575.93	592.29	592.31	1.2	1445	155
Burns	Burns	917449	Max WS	EX100y96h ARF	1617	575.93	594.81	594.83	1.0	1837	155
Burns	Burns	916752	Max WS	EX10y96h	3453	574.91	592.05	592.16	2.7	1389	192
Burns	Burns	916752	Max WS	EX100y96h ARF	1819	574.91	594.79	594.81	1.1	1943	209
Burns	Burns	916647	Max WS	EX10y96h	3555	574.91	591.99	592.13	3.0	1274	152
Burns	Burns	916647	Max WS	EX100y96h ARF	1870	574.91	594.78	594.81	1.3	1706	158
Burns	Burns	916591			Bridge						
Burns	Burns	916504	Max WS	EX10y96h	3554	575.48	591.95	592.08	2.9	1218	100
Burns	Burns	916504	Max WS	EX100y96h ARF	1870	575.48	594.77	594.79	1.2	1551	208
Burns	Burns	916490			Lat Struct						
Burns	Burns	916482			Lat Struct						
Burns	Burns	916384	Max WS	EX10y96h	3555	575.48	591.93	592.05	2.8	1276	103
Burns	Burns	916384	Max WS	EX100y96h ARF	1871	575.48	594.76	594.78	1.2	1582	116
Burns	Burns	915170	Max WS	EX10y96h	3156	575.49	591.71	591.82	2.7	1188	96
Burns	Burns	915170	Max WS	EX100y96h ARF	1170	575.49	594.76	594.77	0.8	1500	113
Burns	Burns	914864			Lat Struct						
Burns	Burns	913799	Max WS	EX10y96h	3323	576.30	591.40	591.53	2.9	1143	98
Burns	Burns	913799	Max WS	EX100y96h ARF	1075	576.30	594.75	594.76	0.7	1483	106
Burns	Burns	912165	Max WS	EX10y96h	3326	574.50	591.14	591.24	2.6	1286	106
Burns	Burns	912165	Max WS	EX100y96h ARF	1356	574.50	594.72	594.73	0.8	1755	160
Burns	Burns	911810			Lat Struct						
Burns	Burns	911500	Max WS	EX10y96h	3326	575.18	591.02	591.13	2.7	1221	98
Burns	Burns	911500	Max WS	EX100y96h ARF	2134	575.18	594.68	594.70	1.3	1621	126
Burns	Burns	909818	Max WS	EX10y96h	3304	575.18	590.75	590.86	2.6	1253	107
Burns	Burns	909818	Max WS	EX100y96h ARF	3231	575.18	594.53	594.58	1.9	1687	122
Burns	Burns	907147	Max WS	EX10y96h	3432	574.26	590.34	590.44	2.6	1332	106
Burns	Burns	907147	Max WS	EX100y96h ARF	5050	574.26	594.09	594.22	2.9	1740	112
Burns	Burns	905522	Max WS	EX10y96h	3427	572.08	590.08	590.19	2.6	1313	119
Burns	Burns	905522	Max WS	EX100y96h ARF	5061	572.08	593.84	593.97	2.8	1794	137
Burns	Burns	905438			Bridge						
Burns	Burns	905364	Max WS	EX10y96h	3410	575.40	590.03	590.13	2.6	1292	124

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Burns	Burns	905364	Max WS	EX100y96h ARF	5056	575.40	593.80	593.93	2.8	1788	141
Burns	Burns	904862	Max WS	EX10y96h	3409	573.07	589.90	590.04	2.9	1156	99
Burns	Burns	904862	Max WS	EX100y96h ARF	5050	573.07	593.70	593.84	3.0	1941	755
Burns	Burns	904213	Max WS	EX10y96h	3407	572.55	589.81	589.92	2.7	1278	100
Burns	Burns	904213	Max WS	EX100y96h ARF	5009	572.55	593.62	593.73	2.8	2408	847
Burns	Burns	903765	Max WS	EX10y96h	3397	572.09	589.75	589.85	2.6	1306	104
Burns	Burns	903765	Max WS	EX100y96h ARF	4999	572.09	593.54	593.66	2.9	2016	679
Burns	Burns	903487	Max WS	EX10y96h	3396	572.56	589.71	589.81	2.5	1341	250
Burns	Burns	903487	Max WS	EX100y96h ARF	4999	572.56	593.51	593.62	2.7	1944	580
Burns	Burns	903304			Bridge						
Burns	Burns	903222	Max WS	EX10y96h	3383	574.81	589.59	589.71	2.8	1217	108
Burns	Burns	903222	Max WS	EX100y96h ARF	4988	574.81	593.37	593.52	3.0	1677	136
Burns	Burns	903216			Lat Struct						
Burns	Burns	903196			Lat Struct						
Burns	Burns	902545	Max WS	EX10y96h	3381	571.48	589.50	589.60	2.5	1334	104
Burns	Burns	902545	Max WS	EX100y96h ARF	4919	571.48	593.28	593.41	2.8	1741	112
Burns	Burns	902215	Max WS	EX10y96h	3371	571.10	589.46	589.56	2.5	1322	101
Burns	Burns	902215	Max WS	EX100y96h ARF	4823	571.10	593.25	593.37	2.8	1720	109
Burns	Burns	901966	Max WS	EX10y96h	3369	573.71	589.41	589.52	2.7	1266	102
Burns	Burns	901966	Max WS	EX100y96h ARF	4821	573.71	593.21	593.34	2.9	1670	111
Burns	Burns	901643	Max WS	EX10y96h	3388	571.49	589.41	589.48	2.1	1812	182
Burns	Burns	901643	Max WS	EX100y96h ARF	4927	571.49	593.22	593.29	2.3	2646	236
Burns	Burns	901478			Bridge						
Burns	Burns	901218	Max WS	EX10y96h	3387	572.31	589.28	589.36	2.2	1516	137
Burns	Burns	901218	Max WS	EX100y96h ARF	4886	572.31	593.07	593.16	2.4	2055	148
Burns	Burns	900573	Max WS	EX10y96h	3361	572.92	589.18	589.28	2.6	1291	102
Burns	Burns	900573	Max WS	EX100y96h ARF	4841	572.92	592.96	593.10	2.9	1687	107
Burns	Burns	900081	Max WS	EX10y96h	3358	573.53	589.11	589.21	2.5	1327	109
Burns	Burns	900081	Max WS	EX100y96h ARF	4837	573.53	592.91	593.03	2.8	1756	117
Burns	Burns	18866	Max WS	EX10y96h	3359	573.19	589.09	589.20	2.7	1252	132
Burns	Burns	18866	Max WS	EX100y96h ARF	4837	573.19	592.91	593.02	2.7	1774	177
Burns	Burns	18616	Max WS	EX10y96h	3338	573.19	588.94	589.13	3.4	970	91
Burns	Burns	18616	Max WS	EX100y96h ARF	4835	573.19	592.77	592.97	3.6	1334	100
Burns	Burns	18571			Bridge						
Burns	Burns	18530	Max WS	EX10y96h	3339	571.69	589.00	589.12	2.8	1191	101
Burns	Burns	18530	Max WS	EX100y96h ARF	4835	571.69	592.81	592.95	3.0	1593	111
Burns	Burns	18529	Max WS	EX10y96h	3338	571.69	589.00	589.12	2.8	1191	101
Burns	Burns	18529	Max WS	EX100y96h ARF	4835	571.69	592.81	592.95	3.0	1593	111
Burns	Burns	18452			Bridge						
Burns	Burns	18365	Max WS	EX10y96h	3338	571.03	587.94	588.05	2.6	1263	119
Burns	Burns	18365	Max WS	EX100y96h ARF	4835	571.03	591.47	591.59	2.8	1794	683
Burns	Burns	18249	Max WS	EX10y96h	3338	567.66	587.94	588.03	2.4	1375	117
Burns	Burns	18249	Max WS	EX100y96h ARF	4835	567.66	591.46	591.57	2.7	1805	181
Burns	Burns	18079	Max WS	EX10y96h	3509	573.53	587.83	587.98	3.2	1106	105
Burns	Burns	18079	Max WS	EX100y96h ARF	5098	573.53	591.36	591.52	3.3	1564	145
Burns	Burns	18078	Max WS	EX10y96h	3510	573.53	587.83	587.98	3.2	1107	105
Burns	Burns	18078	Max WS	EX100y96h ARF	5098	573.53	591.36	591.52	3.3	1565	145
Burns	Burns	18017			Bridge						
Burns	Burns	17972	Max WS	EX10y96h	3497	570.01	587.71	587.89	3.4	1033	91
Burns	Burns	17972	Max WS	EX100y96h ARF	5027	570.01	591.17	591.38	3.7	1367	135

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Burns	Burns	17931 south2			Lat Struct						
Burns	Burns	17309	Max WS	EX10y96h	3496	572.31	587.63	587.74	2.6	1322	117
Burns	Burns	17309	Max WS	EX100y96h ARF	5023	572.31	591.11	591.23	2.8	1765	136
Burns	Burns	16898	Max WS	EX10y96h	3495	572.41	587.56	587.67	2.6	1345	131
Burns	Burns	16898	Max WS	EX100y96h ARF	4977	572.41	591.05	591.17	2.7	1812	136
Burns	Burns	16896 north1			Lat Struct						
Burns	Burns	15741	Max WS	EX10y96h	3492	572.63	587.31	587.44	2.9	1198	109
Burns	Burns	15741	Max WS	EX100y96h ARF	4929	572.63	590.82	590.97	3.1	1592	116
Burns	Burns	13924	Max WS	EX10y96h	3509	573.47	586.96	587.08	2.7	1289	116
Burns	Burns	13924	Max WS	EX100y96h ARF	4951	573.47	590.53	590.66	2.9	1712	121
Burns	Burns	13335			Lat Struct						
Burns	Burns	13011	Max WS	EX10y96h	3535	571.71	586.81	586.91	2.6	1349	125
Burns	Burns	13011	Max WS	EX100y96h ARF	4992	571.71	590.40	590.52	2.8	1812	133
Burns	Burns	12796 BurnsN5			Lat Struct						
Burns	Burns	12071	Max WS	EX10y96h	3533	573.23	586.63	586.74	2.7	1291	123
Burns	Burns	12071	Max WS	EX100y96h ARF	4989	573.23	590.26	590.38	2.9	1750	130
Burns	Burns	10721 south1			Lat Struct						
Burns	Burns	10554	Max WS	EX10y96h	3548	571.16	586.40	586.48	2.3	1569	169
Burns	Burns	10554	Max WS	EX100y96h ARF	4986	571.16	590.10	590.18	2.2	2220	183
Burns	Burns	9926			Lat Struct						
Burns	Burns	9194	Max WS	EX10y96h	3524	572.15	586.20	586.28	2.3	1560	152
Burns	Burns	9194	Max WS	EX100y96h ARF	5014	572.15	589.95	590.04	2.3	2143	158
Burns	Burns	7751	Max WS	EX10y96h	3522	573.20	586.01	586.09	2.2	1577	156
Burns	Burns	7751	Max WS	EX100y96h ARF	5013	573.20	589.81	589.89	2.3	2187	164
Burns	Burns	7232	Max WS	EX10y96h	3520	573.52	585.94	586.02	2.2	1572	169
Burns	Burns	7232	Max WS	EX100y96h ARF	5003	573.52	589.76	589.84	2.2	2261	191
Burns	Burns	5385	Max WS	EX10y96h	3516	572.10	585.67	585.75	2.3	1538	155
Burns	Burns	5385	Max WS	EX100y96h ARF	4993	572.10	589.56	589.64	2.3	2181	173
Burns	Burns	4161	Max WS	EX10y96h	3513	567.95	585.46	585.56	2.5	1383	125
Burns	Burns	4161	Max WS	EX100y96h ARF	4915	567.95	589.40	589.50	2.6	1903	137
Burns	Burns	3756	Max WS	EX10y96h	8230	564.41	585.05	585.24	3.5	2362	183
Burns	Burns	3756	Max WS	EX100y96h ARF	14042	564.41	588.66	588.98	4.6	3057	197
Burns	Burns	3276	Max WS	EX10y96h	8230	564.18	584.91	585.13	3.7	2210	159
Burns	Burns	3276	Max WS	EX100y96h ARF	14042	564.18	588.42	588.82	5.0	2782	167
Burns	Burns	2944	Max WS	EX10y96h	8279	566.03	584.75	585.02	4.2	1972	149
Burns	Burns	2944	Max WS	EX100y96h ARF	14122	566.03	588.18	588.67	5.6	2555	462
Burns	Burns	2144	Max WS	EX10y96h	8279	568.65	584.76	584.81	1.8	4670	611
Burns	Burns	2144	Max WS	EX100y96h ARF	14122	568.65	588.27	588.33	2.1	6722	720
Burns	Burns	1865			Bridge						
Burns	Burns	1794	Max WS	EX10y96h	8279	563.27	584.16	584.45	4.3	1918	128
Burns	Burns	1794	Max WS	EX100y96h ARF	14122	563.27	587.12	587.71	6.1	2307	134
Burns	Burns	1793	Max WS	EX10y96h	8279	563.27	584.16	584.45	4.3	1921	129
Burns	Burns	1793	Max WS	EX100y96h ARF	14122	563.27	587.12	587.71	6.1	2310	133
Burns	Burns	1758			Bridge						
Burns	Burns	1700	Max WS	EX10y96h	8280	564.24	583.85	584.27	5.2	1596	123
Burns	Burns	1700	Max WS	EX100y96h ARF	14122	564.24	586.56	587.39	7.3	1937	128
Burns	Burns	1699	Max WS	EX10y96h	8279	564.24	583.85	584.27	5.2	1600	123
Burns	Burns	1699	Max WS	EX100y96h ARF	14122	564.24	586.56	587.38	7.3	1941	128
Burns	Burns	1634			Bridge						

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Top Width
					(cfs)	(ft)	(ft)	(ft)	(ft/s)	(sq ft)	(ft)
Burns	Burns	1579	Max WS	EX10y96h	8280	564.49	584.06	584.25	3.5	2357	177
Burns	Burns	1579	Max WS	EX100y96h ARF	14122	564.49	586.98	587.35	4.9	2884	185
Burns	Burns	1518	Max WS	EX10y96h	8279	564.49	584.04	584.23	3.5	2371	181
Burns	Burns	1518	Max WS	EX100y96h ARF	14122	564.49	586.95	587.32	4.9	2910	188
Burns	Burns	784	Max WS	EX10y96h	8279	565.00	583.78	583.99	3.7	2218	244
Burns	Burns	784	Max WS	EX100y96h ARF	14122	565.00	586.64	587.00	4.8	2926	251
Burns	Burns	682	Max WS	EX10y96h	8279	565.00	583.69	583.95	4.1	2031	212
Burns	Burns	682	Max WS	EX100y96h ARF	14122	565.00	586.50	586.94	5.4	2637	219
Burns	Burns	588			Bridge						
Burns	Burns	532.1	Max WS	EX10y96h	8279	565.79	582.86	583.47	6.3	1316	133
Burns	Burns	532.1	Max WS	EX100y96h ARF	14122	565.79	584.63	585.92	9.1	1555	137
Burns	Burns	532	Max WS	EX10y96h	8280	565.79	583.00	583.47	5.5	1500	133
Burns	Burns	532	Max WS	EX100y96h ARF	14122	565.79	584.91	585.91	8.0	1758	137
Burns	Burns	100	Max WS	EX10y96h	8280	569.72	583.01	583.23	3.8	2187	214
Burns	Burns	100	Max WS	EX100y96h ARF	14122	569.72	585.03	585.48	5.4	2625	218
Burns	Burns	1	Max WS	EX10y96h	8279	568.72	581.96	582.18	3.8	2158	212
Burns	Burns	1	Max WS	EX100y96h ARF	14122	568.72	582.93	583.48	6.0	2365	214
Burns	Burns	0	Max WS	EX10y96h	430	549.00	581.10	581.10	0.0	15801	501
Burns	Burns	0	Max WS	EX100y96h ARF	477	549.00	581.10	581.10	0.0	15801	501

APPENDIX 6: GUIDANCE DOCUMENT ITEMS

Deep River Watershed Model
Guidance for Future Use

The Deep River Watershed model package is composed of a hydrologic model which provides outflow from the modeled subbasins and a hydraulic model that converts the flow inputs to water surface elevation along the studied streams. All elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88). The models are provided in a separate digital data directory along with pertinent shape files. Currently, the DSS files noted in **Table 1** connect the results of the hydrologic model to the input for the hydraulic model. These connections as well as HEC-RAS geometry data, flow file calibration data, flow file input locations or multipliers, and flow file input from non-HEC-HMS model sources may need to be changed for any given update of the models.

Table 1: DSS Connections Between HEC-HMS and HEC-RAS

Plan	DSS Filename	HEC-HMS Run
Existing 10Yr 96Hr	r:\2016\16-0588.00006\Calculations\Models\HMSforRASUse\ EX_10Y_96H_NOAA_10P.dss	RUN:EX 10Y 96H NOAA 10P
Existing 10Yr 24 Hr	r:\2016\16-0588.00006\Calculations\Models\HMSforRASUse\ EX_10Y_24H_NOAA_10P.dss	RUN:EX 10Y 24H NOAA 10P
Existing 100Yr 96Hr ARF	r:\2016\16-0588.00006\Calculations\Models\HMSforRASUse\ EX_100Y_96H_NOAA_10P_ARF.dss	RUN:EX 100Y 96H NOAA 10P ARF
Existing 100Yr 24Hr ARF	r:\2016\16-0588.00006\Calculations\Models\HMSforRASUse\ EX_100Y_24H_NOAA_10PARF.dss	RUN:EX 100Y 24H NOAA 10PARF
2008…	r:\2016\16-0588.00006\Calculations\Models\HMSforRASUse\ 2008_Calibration_AMCII.dss	RUN:2008 CALIBRATION AMCII
2019…	r:\2016\16-0588.00006\Calculations\Models\HMSforRASUse\ 2019_Calibration.dss	RUN:2019 CALIBRATION

The existing condition modeling (both the 10-year and 100-year HEC-HMS and HEC-RAS models) created as part of this study are now considered the "base" model for the purpose of cumulatively tracking the post-2023 completed and proposed projects. Each time a new project is proposed to be evaluated, two additional model conditions will need to be created: an existing condition and a proposed condition model. Below is a description of each of these model conditions.

The base condition model does not include changes due to projects since 2023 as it is intended to preserve the ability to determine cumulative impacts by comparing with future existing or proposed condition models. If changes are necessary in the base model due to availability of better, more accurate data that reflects pre-2023 conditions, a "revised" base condition model" will need to be created. Depending on the nature and magnitude of changes, the created new base condition model may need to be recalibrated to observed events to make sure the parameters used in the modeling are still appropriate. Changes made to the base condition model should be carried forward to the existing and proposed conditions as well unless an existing or proposed project replaces that data.

The existing condition model is the same as the base condition except that it adds projects which have been or may be constructed since 2023. This model reflects cumulative changes resulting from past post-2023 projects that have been constructed. Any changes made to this model should be carried on to the proposed condition model as well unless the proposed project replaces that data.

A proposed condition model is created by copying the existing condition model and adding the proposed project. This model reflects cumulative changes resulting from past post-2023 constructed projects and the project now being proposed. The impact of a proposed project is determined by comparing the proposed

condition model results and the existing condition model results. The cumulative impacts of post-2023 constructed projects and the project being proposed can be determined by comparing the proposed condition model results with the base condition model results.

The following are the recommended steps to be taken to evaluate a proposed project:

1) Make a copy of the latest base condition HEC-HMS and HEC-RAS models and make the following changes, as needed, to create a new/revised base condition model:

    a. If better (more accurate or more detailed) data such as design rainfall, topography, as-built bridge geometry, or similar non-project related better data is available that reflects the pre-2023 conditions, revise the base condition model with that better data. Depending on the nature and magnitude of changes, the created new base condition model may need to be recalibrated to observed events (utilizing a similar process as used in this study) to make sure the parameters used in the modeling are still appropriate.

    b. To allow for correct comparison of the proposed conditions with the base and existing conditions, revise the base condition model by reflecting any pre project condition changes that are needed to correspond to changes such as addition of a new cross section, more detailed data for the base condition, a diversion location, etc. that will have to be made to reflect conditions in the proposed project condition models.

2) Make the same changes made to the base condition model in a copy of a previous existing condition model (if any) and then add any existing post-2023 constructed project projects that may not have been reflected before to create the new existing condition model.

3) Add the proposed project to a copy of the existing condition model to create the proposed condition model.

Changing data inputs as described above may cause the model to not run. Some things that could be adjusted are pilot channels, minimum flow in input hydrographs, starting flow or storage area elevations, reasonableness of input data. If possible, these changes should be made in each set of base, existing, and proposed condition models.

Careful tracking of revisions as well as the location of the revised models will be important to keeping the models useful. Also important is tracking cumulative impacts of proposed projects that are built. A spreadsheet has been created for tracking updates to the model and proposed projects evaluated. This is provided in this Appendix. It includes documentation entry for locations of models, descriptions of changes, date project is completed, etc.

Another spreadsheet template included in this Appendix generates a summary for the Commission of any proposed project. The spreadsheet will show impacts to the various reaches as shown **Figure 1** and summarized in table form as in **Figure 2**. This will provide consistent and objective information for the Commission to use to decide if projects brought to them are regionally detrimental, regionally beneficial, or regionally neutral. All models and associated shape files and results files are currently maintained by Burke.

Figure 1: Template for Project Location and Reach Impact Identification

Proposed Project:	**name**
Project Description:	**description**
Project Location:	
Project Requester:	
Flood Evaluated:	**100 Yr - 96 Hr**

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939					
2	L Calumet River	Deep River confluence to 500 ft	173-2575					
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665					
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480					
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282					
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993					
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095					
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091					
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557					
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630					

ProjInfo | CrossSectionComparison | ReachComparison | Conclusion | +

Proposed Project:	**name**	
Project Description:	**description**	
Project Location:		**0**
Project Requester:		**0**
Flood Evaluated:	**100 Yr - 96 Hr**	

Overall Conclusion:
Water Surface Peak Elevation Decreases:
Water Surface Peak Elevation Increases:
Peak Channel Velocity Increases:
Peak Discharge Increases:

Figure 2: Template for Summary of Project Impacts

As shown in **Figure 2**, the results spreadsheet (a template for 10-year results and one for 100-year results is included with other digital files for this project) has 4 tabs. Tab "ProjInfo" is for entering project name, description, location, requester, and the flood evaluated.

Tab "CrossSectionComparison" is where the HEC-RAS model output table from a model of the proposed project is copied. Both cross sections and storage areas are included. The difference in water surface elevations, discharge and channel velocity at each cross section is calculated under this tab.

The "ReachComparison" tab includes two tables: 1) an auto-populated table on the right showing a reach by reach summary of the largest change in water surface elevation, channel velocity, and discharge calculated in the cross section comparison tab (note that only the maximum value in a reach is used for the table) and 2) a final table on the left that is partially pre-populated, with columns that are expected to be populated by the user

based on the values shown in the table on the right and additional information gleaned from the Cross section comparison tab. The values in this table could summarize a range of results (rather than just the maximum value) that may be appropriate for more informed decision making.

The "Conclusion" tab is where conclusions are filled in to the shaded areas based on the summary table for the Commission. An appropriate overall summary bucket symbol (based only on the water surface elevation, channel velocity, and discharge differences, not additional factors that may influence the benefit determination) may be added in the "Conclusion" tab to provide the impression of the overall regional project at a glance. Use of all these tools will help future users be aware of what was previously determined.

master mxd location ..\..\..\GIS\MXD\MasterUpdateProjMap.mxd

Deep River watershed Lake/Porter Counties **Master Tracking Sheet for Project Reviews or Model Improvements**

Revision Name	Project ID	Project Number (location of files)	base hydro and hydra models that will be copied and updated	existing hydro & hydra models that will be copied and updated	cumulative hydro & hydra models that will be copied and updated	changes made to base	changes to existing conditions	changes to Cumulative Impacts	what add to CumImp to create PR		note date that proposed condition constructed & if is as previously modeled	what changes if any are approved to be in the new base model	file location of new base models	file location of new Existing models	file location of new Cumulative Impacts models	file location of new Proposed condition models	associated shp files folder	file location of results summary spreadsheet	Model Completion Date	Additional Info

APPENDIX 7: PROJECT IMPACT SPREADSHEET FOR RECENT PROJECTS

					EX100y96hARF				2019 conditions				Existing - 2019									
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl							
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904	622.63	1.5		904	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		902	622.35	3.6		902	622.35	3.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072	622.15	3.0		1073	622.15	3.0		0	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1070	621.84	2.3		1070	621.83	2.3		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1068	621.57	1.9		1068	621.56	1.9		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1066	621.41	2.4		1067	621.4	2.4		-1	0.01	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1064	621.1	3.3		1065	621.08	3.3		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062	620.82	2.8		1062	620.8	2.8		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1062	620.8	1.6		1062	620.79	1.6		-1	0.01	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1062	620.78	1.3		1062	620.77	1.3		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1062	620.77	0.9		1063	620.75	0.9		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1062	620.76	0.4		1062	620.74	0.4		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1378	620.75	0.6		1378	620.73	0.6		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1378	620.71	1.8		1378	620.69	1.8		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1377	620.59	3.1		1377	620.58	3.1		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1370	619.75	4.3		1369	619.73	4.3		1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1371	619.79	4.0		1370	619.78	4.0		1	0.01	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1372	619.87	3.1		1371	619.85	3.1		2	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372	619.93	1.7		1372	619.91	1.7		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1373	619.94	1.1		1373	619.92	1.1		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372	619.94	1.0		1373	619.92	1.0		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372	619.93	1.0		1373	619.91	1.0		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372	619.92	1.0		1372	619.91	1.0		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784	619.91	0.9		1785	619.89	0.9		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784	619.9	0.9		1785	619.88	0.9		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1785	619.89	0.9		1785	619.87	0.9		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1785	619.88	0.9		1785	619.86	0.9		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784	619.87	1.0		1785	619.85	1.0		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784	619.86	1.2		1785	619.84	1.2		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1784	619.85	1.3		1783	619.83	1.3		1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784	619.83	1.4		1785	619.82	1.4		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784	619.83	1.5		1785	619.81	1.5		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1784	619.82	1.5		1784	619.8	1.5		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784	619.8	1.5		1784	619.78	1.6		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1784	619.79	1.4		1784	619.78	1.4		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783	619.78	1.6		1784	619.76	1.6		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784	619.76	1.5		1784	619.75	1.5		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1784	619.77	1.2		1785	619.75	1.2		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1784	619.76	1.1		1784	619.75	1.1		-1	0.01	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784	619.75	1.2		1785	619.73	1.2		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784	619.75	1.1		1784	619.73	1.1		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784	619.74	1.0		1784	619.73	1.0		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1784	619.74	1.1		1784	619.72	1.1		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1784	619.71	1.5		1784	619.7	1.5		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1784	619.7	1.7		1784	619.68	1.7		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1784	619.67	1.7		1784	619.66	1.7		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1783	619.66	1.6		1784	619.64	1.6		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1784	619.66	1.0		1784	619.64	1.0		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1784	619.66	0.6		1784	619.65	0.6		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784	619.65	0.6		1784	619.64	0.6		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783	619.65	0.7		1784	619.63	0.7		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1784	619.64	1.0		1784	619.63	1.1		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784	619.64	0.8		1784	619.62	0.8		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1784	619.64	0.7		1784	619.62	0.7		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1784	619.63	0.6		1784	619.62	0.6		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783	619.62	1.0		1784	619.61	1.0		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1784	619.61	1.2		1784	619.6	1.2		-1	0.01	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1784	619.61	0.7		1784	619.6	0.7		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783	619.61	1.0		1784	619.59	1.0		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783	619.59	1.4		1784	619.58	1.5		-1	0.01	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783	619.59	1.3		1784	619.57	1.3		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783	619.58	1.5		1784	619.56	1.5		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1784	619.55	1.3		1784	619.54	1.3		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783	619.55	1.2		1784	619.53	1.2		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	23314		1784	619.5	1.7		1784	619.49	1.7		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783	619.47	1.4		1784	619.45	1.4		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783	619.45	1.9		1784	619.43	1.9		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783	619.41	2.1		1784	619.39	2.1		-1	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783	619.41	1.9		1784	619.39	1.9		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22731		1784	619.43	1.2		1784	619.41	1.2		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783	619.42	1.3		1784	619.4	1.3		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783	619.41	1.2		1784	619.4	1.2		0	0.01	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783	619.39	1.6		1784	619.37	1.6		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783	619.33	2.5		1784	619.31	2.5		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1784	618.88	3.0		1784	618.86	3.0		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783	618.86	3.4		1784	618.84	3.4		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783	618.91	2.5		1784	618.89	2.5		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1784	618.94	1.9		1784	618.92	1.9		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783	618.95	1.5		1784	618.93	1.5		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783	618.92	1.9		1784	618.9	1.9		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1784	618.77	3.5		1784	618.75	3.5		0	0.02	0.0							
17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1784	618.58	4.0		1784	618.58	4.0		0	0	0.0							

17	TurkeyCreek	TurkeyCk	21894.37		1784	618.68	2.2		1784	618.68	2.2		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783	618.65	1.2		1784	618.66	1.2		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783	618.63	1.0		1784	618.63	1.0		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2194	618.58	1.2		2194	618.59	1.2		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	20449		2194	618.52	1.9		2194	618.52	1.9		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2194	618.45	2.1		2194	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193	618.36	2.3		2194	618.37	2.3		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193	618.28	1.8		2194	618.29	1.8		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193	618.2	2.7		2194	618.21	2.7		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193	617.94	4.3		2194	617.94	4.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193	617.92	3.0		2194	617.93	3.0		-1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193	617.26	6.7		2194	617.27	6.7		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	18669		2193	616.2	8.1		2193	616.21	8.1		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	18578		2193	616.31	6.2		2193	616.32	6.2		0	-0.01	0.0	17	2	-1	0.02	-0.01	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2193	615.43	5.4		2193	615.45	5.4		0	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	18392		2193	615.07	6.6		2192	615.09	6.6		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	18218		2192	614.84	5.7		2191	614.86	5.7		0	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	18032		2192	614.91	3.5		2191	614.93	3.4		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17803		2192	614.82	2.9		2191	614.84	2.9		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17589		2192	614.73	3.2		2191	614.75	3.2		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17259		2192	614.65	2.4		2191	614.67	2.3		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17124		2192	614.62	2.2		2191	614.64	2.2		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	16917		2192	614.59	1.2		2190	614.62	1.2		1	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	16494		2192	614.55	1.3		2190	614.57	1.3		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	16288		2191	614.51	1.6		2190	614.54	1.6		1	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15975		2191	614.47	1.5		2190	614.49	1.5		1	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	15724		2191	614.4	2.1		2190	614.43	2.1		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15587		2395	614.35	1.9		2388	614.39	1.9		6	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	15472		2392	614.28	2.8		2386	614.31	2.8		6	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15271		2392	614.25	1.8		2385	614.29	1.8		7	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	15130		2392	614.24	1.5		2384	614.27	1.5		7	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14901		2391	614.22	1.3		2383	614.25	1.3		8	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14694		2390	614.19	1.4		2381	614.23	1.4		9	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14500		2390	614.17	1.4		2379	614.21	1.3		11	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14254		2389	614.16	0.9		2377	614.19	0.9		11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14081		2388	614.15	0.9		2376	614.18	0.9		12	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	13909		2387	614.13	1.1		2378	614.17	1.1		9	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13580		2384	614.07	2.1		2372	614.11	2.1		12	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13356		2382	614	2.1		2368	614.04	2.1		14	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13150		2369	613.81	3.8		2329	613.86	3.7		40	-0.05	0.1							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2329	613.52	4.2		2259	613.59	4.0		70	-0.07	0.2							
16	TurkeyCreek	TurkeyCk	12967		2336	613.55	3.7		2268	613.62	3.5		68	-0.07	0.2							
16	TurkeyCreek	TurkeyCk	12836		2334	613.53	2.8		2264	613.61	2.7		70	-0.08	0.1							
16	TurkeyCreek	TurkeyCk	12718		2331	613.52	2.1		2259	613.59	2.0		71	-0.07	0.1							
16	TurkeyCreek	TurkeyCk	12536		2327	613.5	1.7		2259	613.57	1.6		68	-0.07	0.1							
16	TurkeyCreek	TurkeyCk	12244		2322	613.45	1.8		2249	613.53	1.7		72	-0.08	0.1							
16	TurkeyCreek	TurkeyCk	11927		2313	613.38	2.0		2239	613.47	1.9		74	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11687		2310	613.34	1.6		2232	613.43	1.5		78	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11449		2305	613.3	1.5		2224	613.4	1.4		81	-0.1	0.1							
16	TurkeyCreek	TurkeyCk	11232		2287	613.18	3.0		2203	613.29	2.8		85	-0.11	0.2							
16	TurkeyCreek	TurkeyCk	11119		2269	613	3.8		2172	613.14	3.5		98	-0.14	0.3							
16	TurkeyCreek	TurkeyCk	11013		2234	612.74	5.0		2130	612.91	4.7		104	-0.17	0.4							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2182	612.42	5.6		2070	612.62	5.2		112	-0.2	0.4							
16	TurkeyCreek	TurkeyCk	10905		2162	612.33	5.7		2054	612.54	5.3		108	-0.21	0.4							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2154	612.3	4.1		2044	612.53	3.7		110	-0.23	0.4							
16	TurkeyCreek	TurkeyCk	10552		2103	611.99	5.3		2002	612.28	4.8		101	-0.29	0.5							
16	TurkeyCreek	TurkeyCk	10251		2100	611.92	1.2		1997	612.24	1.1		103	-0.32	0.1							
16	TurkeyCreek	TurkeyCk	9979		2095	611.89	1.3		1994	612.22	1.2		101	-0.33	0.1							
16	TurkeyCreek	TurkeyCk	9783		2094	611.89	1.0		1991	612.22	0.9		103	-0.33	0.1							
16	TurkeyCreek	TurkeyCk	9526		2082	611.83	1.9		1985	612.17	1.7		98	-0.34	0.2							
16	TurkeyCreek	TurkeyCk	9168		2074	611.75	2.0		1974	612.11	1.8		100	-0.36	0.2							
16	TurkeyCreek	TurkeyCk	8838		2074	611.72	1.0		1974	612.09	0.9		100	-0.37	0.1							
16	TurkeyCreek	TurkeyCk	8503		2069	611.7	1.2		1970	612.07	1.1		99	-0.37	0.1							
16	TurkeyCreek	TurkeyCk	8221		2071	611.69	1.0		1969	612.06	0.9		102	-0.37	0.1							
16	TurkeyCreek	TurkeyCk	8013		2071	611.68	0.8		1968	612.06	0.7		103	-0.38	0.1							
16	TurkeyCreek	TurkeyCk	7673		2069	611.67	1.1		1969	612.05	0.9		100	-0.38	0.1							
16	TurkeyCreek	TurkeyCk	7223		2063	611.64	1.4		1962	612.02	1.3		101	-0.38	0.1							
16	TurkeyCreek	TurkeyCk	6947		2062	611.6	1.8		1962	612	1.6		100	-0.4	0.2							
16	TurkeyCreek	TurkeyCk	6829		2058	611.59	1.7		1958	611.99	1.5		100	-0.4	0.2							
16	TurkeyCreek	TurkeyCk	6686		2051	611.5	2.6		1950	611.92	2.4		101	-0.42	0.3	16	112	0	0.00	-0.42	0.5	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2046	611.48	2.0		1951	611.9	1.8		96	-0.42	0.2							
9	TurkeyCreek	TurkeyCk	6407		2050	611.46	1.4		1950	611.89	1.3		100	-0.43	0.2							
9	TurkeyCreek	TurkeyCk	6204		2041	611.41	2.0		1941	611.85	1.8		100	-0.44	0.2							
9	TurkeyCreek	TurkeyCk	5151		2022	611.22	0.7		1928	611.71	0.6		94	-0.49	0.1							
9	TurkeyCreek	TurkeyCk	2193		2015	611.14	0.5		1922	611.66	0.5		93	-0.52	0.1							
9	TurkeyCreek	TurkeyCk	500		2155	611.12	0.3		2050	611.64	0.3		105	-0.52	0.0							
9	TurkeyCreek	TurkeyCk	50		2155	611.12	0.4		2049	611.64	0.4		106	-0.52	0.0	9	106	93	-0.42	-0.52	0.2	0.0
2	LCal	LCal	2575		154	595.19	0.1		156	595.16	0.1		-2	0.03	0.0							
2	LCal	LCal	2359		152	595.19	0.1		156	595.16	0.1		-4	0.03	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		154	595.19	0.1		157	595.16	0.1		-3	0.03	0.0							
2	LCal	LCal	2172		152	595.19	0.1		156	595.16	0.1		-4	0.03	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116	595.15	0.1		118	595.11	0.1		-2	0.04	0.0							
2	LCal	LCal	1559		116	595.15	0.1		119	595.11	0.1		-3	0.04	0.0							
2	LCal	LCal	1414		117	595.15	0.2		119	595.11	0.2		-2	0.04	0.0							
2	LCal	LCal	95 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		103	595.12	0.1		107	595.08	0.1		-4	0.04	0.0							
2	LCal	LCal	75 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		149	595.12	0.2		146	595.08	0.2		4	0.04	0.0							
2	LCal	LCal	173		179	595.11	0.2		174	595.08	0.2		5	0.03	0.0	2	5	-4	0.04	0.00	0.0	0.0
21	Duck Ck	DuckCk	20671		429	616.21	1.7		429	616.21	1.7		0	0	0.0							
21	Duck Ck	DuckCk	20491		429	616.04	2.0		429	616.04	2.0		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		429	615.82	2.4		429	615.82	2.4		0	0	0.0							
21	Duck Ck	DuckCk	20216		429	615.52	2.1		429	615.52	2.1		0	0	0.0							
21	Duck Ck	DuckCk	20113		429	615.38	2.1		429	615.38	2.1		0	0	0.0							
21	Duck Ck	DuckCk	19892		429	615.12	1.8		429	615.12	1.8		0	0	0.0							
21	Duck Ck	DuckCk	19622		429	614.9	2.0		429	614.9	2.0		0	0	0.0							
21	Duck Ck	DuckCk	18735		429	614.07	2.0		429	614.07	2.0		0	0	0.0							
21	Duck Ck	DuckCk	18561		429	613.87	1.7		429	613.87	1.7		0	0	0.0							
21	Duck Ck	DuckCk	17903		428	613.22	2.4		428	613.22	2.4		0	0	0.0							

21	Duck Ck	DuckCk	17603		428	612.74	2.0		428	612.74	2.0		0	0	0.0							
21	Duck Ck	DuckCk	17126		427	612.26	1.9		427	612.26	1.9		0	0	0.0							
21	Duck Ck	DuckCk	16884		427	612.12	1.4		426	612.13	1.4		0	-0.01	0.0							
21	Duck Ck	DuckCk	16463		426	611.94	1.5		426	611.94	1.5		0	0	0.0							
21	Duck Ck	DuckCk	16241		426	611.82	1.4		426	611.82	1.4		0	0	0.0							
21	Duck Ck	DuckCk	16059		426	611.74	1.0		426	611.75	1.0		0	-0.01	0.0							
21	Duck Ck	DuckCk	15912		425	611.62	1.9		425	611.62	1.9		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		424	611.21	2.5		423	611.22	2.5		1	-0.01	0.0							
21	Duck Ck	DuckCk	15754		423	611.09	2.0		423	611.1	2.0		0	-0.01	0.0							
21	Duck Ck	DuckCk	15534		422	610.86	2.0		422	610.87	2.0		0	-0.01	0.0							
21	Duck Ck	DuckCk	15313		421	610.72	1.3		421	610.73	1.3		1	-0.01	0.0							
21	Duck Ck	DuckCk	15077		421	610.62	1.3		420	610.63	1.3		1	-0.01	0.0							
21	Duck Ck	DuckCk	14853		421	610.58	0.8		420	610.59	0.8		1	-0.01	0.0							
21	Duck Ck	DuckCk	14584		421	610.54	0.9		420	610.56	0.8		1	-0.02	0.0							
21	Duck Ck	DuckCk	14275		420	610.51	0.9		419	610.52	0.8		1	-0.01	0.0							
21	Duck Ck	DuckCk	14091		420	610.41	1.6		419	610.43	1.6		1	-0.02	0.0	21	1	0	0.00	-0.02	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		420	610	1.6		419	610.01	1.6		1	-0.01	0.0							
20	Duck Ck	DuckCk	13704		419	609.87	1.4		418	609.88	1.4		1	-0.01	0.0							
20	Duck Ck	DuckCk	13464		418	609.77	1.3		417	609.79	1.3		1	-0.02	0.0							
20	Duck Ck	DuckCk	13279		418	609.73	0.8		417	609.75	0.8		1	-0.02	0.0							
20	Duck Ck	DuckCk	12964		582	609.68	1.0		580	609.7	1.0		2	-0.02	0.0							
20	Duck Ck	DuckCk	12613		581	609.61	1.1		578	609.63	1.0		3	-0.02	0.0							
20	Duck Ck	DuckCk	12306		583	609.57	0.8		580	609.59	0.8		3	-0.02	0.0							
20	Duck Ck	DuckCk	11932		587	609.52	0.9		585	609.54	0.9		3	-0.02	0.0							
20	Duck Ck	DuckCk	11876		587	609.5	1.2		584	609.52	1.1		3	-0.02	0.0							
20	Duck Ck	DuckCk	11801		588	609.5	0.9		586	609.52	0.9		2	-0.02	0.0							
20	Duck Ck	DuckCk	11485		591	609.47	0.8		588	609.49	0.8		3	-0.02	0.0							
20	Duck Ck	DuckCk	10998		596	609.41	1.0		593	609.44	0.9		3	-0.03	0.0							
20	Duck Ck	DuckCk	10813		597	609.4	0.7		595	609.42	0.7		2	-0.02	0.0							
20	Duck Ck	DuckCk	10553		599	609.38	0.8		597	609.4	0.8		2	-0.02	0.0							
20	Duck Ck	DuckCk	10293		602	609.36	0.8		599	609.38	0.8		2	-0.02	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		602	609.34	0.7		599	609.36	0.7		2	-0.02	0.0							
20	Duck Ck	DuckCk	9854		606	609.31	0.8		603	609.33	0.8		3	-0.02	0.0							
20	Duck Ck	DuckCk	9506		610	609.28	0.8		607	609.3	0.8		3	-0.02	0.0							
20	Duck Ck	DuckCk	9287		612	609.27	0.6		609	609.29	0.6		3	-0.02	0.0							
20	Duck Ck	DuckCk	9053		615	609.26	0.7		612	609.28	0.7		3	-0.02	0.0							
20	Duck Ck	DuckCk	8833		617	609.25	0.6		614	609.27	0.6		3	-0.02	0.0							
20	Duck Ck	DuckCk	8619		820	609.22	1.0		816	609.25	1.0		5	-0.03	0.0							
20	Duck Ck	DuckCk	8373		823	609.2	0.6		819	609.23	0.5		4	-0.03	0.0							
20	Duck Ck	DuckCk	8099		826	609.2	0.4		822	609.22	0.4		4	-0.02	0.0							
20	Duck Ck	DuckCk	7623		829	609.19	0.4		825	609.21	0.4		4	-0.02	0.0							
20	Duck Ck	DuckCk	7254		833	609.18	0.6		829	609.2	0.6		4	-0.02	0.0							
20	Duck Ck	DuckCk	6856		837	609.17	0.5		833	609.19	0.5		4	-0.02	0.0							
20	Duck Ck	DuckCk	6359		842	609.15	0.7		838	609.17	0.7		4	-0.02	0.0							
20	Duck Ck	DuckCk	6163		843	609.14	0.6		840	609.17	0.6		4	-0.03	0.0							
20	Duck Ck	DuckCk	5848		848	609.13	0.3		844	609.16	0.3		4	-0.03	0.0							
20	Duck Ck	DuckCk	5638		852	609.13	0.4		848	609.16	0.4		4	-0.03	0.0							
20	Duck Ck	DuckCk	5361		855	609.12	0.8		851	609.15	0.8		4	-0.03	0.0							
20	Duck Ck	DuckCk	4639		862	609.1	0.4		858	609.13	0.4		4	-0.03	0.0							
20	Duck Ck	DuckCk	4257		866	609.1	0.4		863	609.12	0.4		4	-0.02	0.0							
20	Duck Ck	DuckCk	4109		868	609.09	0.4		864	609.12	0.3		4	-0.03	0.0							
20	Duck Ck	DuckCk	3892		870	609	2.6		866	609.03	2.6		4	-0.03	0.0	20	5	1	0.00	-0.03	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		866	608.54	2.7		855	608.58	2.7		10	-0.04	0.0							
19	Duck Ck	DuckCk	3668		868	608.57	0.8		856	608.61	0.8		12	-0.04	0.0							
19	Duck Ck	DuckCk	3440		871	608.57	0.5		859	608.6	0.5		12	-0.03	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		722	606.85	2.0		721	606.94	2.0		1	-0.09	0.0							
19	Duck Ck	DuckCk	3342		720	606.75	3.4		716	606.84	3.3		3	-0.09	0.0	19	12	1	0.00	-0.09	0.0	0.0
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681	606.05	4.1		670	606.14	4.0		11	-0.09	0.1							
18	Duck Ck	DuckCk	3203		687	606.17	1.6		680	606.26	1.5		7	-0.09	0.1							
18	Duck Ck	DuckCk	3126		687	606.16	1.0		680	606.25	1.0		8	-0.09	0.0							
18	Duck Ck	DuckCk	2965		688	606.13	1.0		680	606.23	1.0		8	-0.1	0.1							
18	Duck Ck	DuckCk	2849		689	606.11	1.0		680	606.21	1.0		9	-0.1	0.0							
18	Duck Ck	DuckCk	2794		688	606.1	1.0		678	606.2	1.0		10	-0.1	0.0							
18	Duck Ck	DuckCk	2687		689	606.09	0.9		679	606.19	0.8		11	-0.1	0.0							
18	Duck Ck	DuckCk	2524		690	606.07	0.9		680	606.18	0.9		10	-0.11	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688	606.06	0.9		679	606.16	0.8		9	-0.1	0.0							
18	Duck Ck	DuckCk	2183		690	606.04	0.9		679	606.14	0.9		11	-0.1	0.0							
18	Duck Ck	DuckCk	2053		691	606.01	0.9		680	606.12	0.8		11	-0.11	0.0							
18	Duck Ck	DuckCk	1765		691	605.96	1.1		679	606.07	1.1		12	-0.11	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		668	605.48	0.9		642	605.61	0.8		26	-0.13	0.1							
18	Duck Ck	DuckCk	1358		669	605.47	0.8		646	605.61	0.8		23	-0.14	0.0							
18	Duck Ck	DuckCk	960		672	605.45	0.5		647	605.59	0.5		25	-0.14	0.0							
18	Duck Ck	DuckCk	792		673	605.45	0.4		649	605.59	0.4		23	-0.14	0.0							
18	Duck Ck	DuckCk	572		673	605.41	1.3		648	605.56	1.2		25	-0.15	0.1							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		666	605.31	1.0		642	605.48	0.9		24	-0.17	0.0							
18	Duck Ck	DuckCk	264		666	605.31	0.8		642	605.49	0.7		23	-0.18	0.1	18	26	7	0.00	-0.18	0.1	0.0
15	Deep	!SLakeGeorg	124902		115	687.36	0.5		115	687.36	0.5		0	0	0.0							
15	Deep	!SLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	124398		202	687.29	0.8		202	687.29	0.8		0	0	0.0							
15	Deep	!SLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	123855		153	687.23	0.7		153	687.23	0.7		0	0	0.0							
15	Deep	!SLakeGeorg	123542		153	687.19	0.7		153	687.19	0.7		0	0	0.0							
15	Deep	!SLakeGeorg	123075		125	687.15	0.6		124	687.15	0.6		0	0	0.0							
15	Deep	!SLakeGeorg	122731		53	687.14	0.1		53	687.14	0.1		0	0	0.0							
15	Deep	!SLakeGeorg	122478		44	687.14	0.1		44	687.14	0.1		0	0	0.0							
15	Deep	!SLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	122376		44	687.13	0.1		44	687.13	0.1		0	0	0.0							
15	Deep	!SLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	122102		45	687.13	0.1		45	687.13	0.1		0	0	0.0							
15	Deep	!SLakeGeorg	121717		45	687.13	0.2		45	687.13	0.2		0	0	0.0							
15	Deep	!SLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	121393		40	687.13	0.2		40	687.13	0.2		0	0	0.0							
15	Deep	!SLakeGeorg	121027		41	687.12	0.2		40	687.12	0.2		0	0	0.0							
15	Deep	!SLakeGeorg	120696		248	687.11	0.6		248	687.11	0.6		0	0	0.0							
15	Deep	!SLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	120592		248	687.08	1.0		248	687.08	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	120543		166	687.09	0.6		166	687.09	0.6		0	0	0.0							

15	Deep	!SLakeGeorg	120117		166	687.04	0.7		166	687.04	0.7		0	0	0.0							
15	Deep	!SLakeGeorg	119813		166	687.01	0.6		166	687.01	0.6		0	0	0.0							
15	Deep	!SLakeGeorg	119448		230	686.93	1.0		230	686.93	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	119071		263	686.81	1.1		264	686.81	1.1		-1	0	0.0							
15	Deep	!SLakeGeorg	118751		263	686.71	1.1		263	686.71	1.1		0	0	0.0							
15	Deep	!SLakeGeorg	118584		263	686.64	1.2		263	686.64	1.2		-1	0	0.0							
15	Deep	!SLakeGeorg	118525		263	686.62	1.2		263	686.62	1.2		0	0	0.0							
15	Deep	!SLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	118358		270	686.57	1.1		270	686.57	1.1		-1	0	0.0							
15	Deep	!SLakeGeorg	117980		270	686.47	1.0		270	686.47	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	117631		269	686.35	1.2		268	686.35	1.2		1	0	0.0							
15	Deep	!SLakeGeorg	117334		266	686.26	1.0		265	686.26	1.0		1	0	0.0							
15	Deep	!SLakeGeorg	116995		260	686.14	1.2		260	686.14	1.2		0	0	0.0							
15	Deep	!SLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	116736		253	686.04	1.1		252	686.04	1.1		1	0	0.0							
15	Deep	!SLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	116585		247	685.95	1.4		245	685.95	1.4		2	0	0.0							
15	Deep	!SLakeGeorg	116289		233	685.83	1.0		233	685.83	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	115998		221	685.74	1.1		222	685.74	1.1		-1	0	0.0							
15	Deep	!SLakeGeorg	115832		218	685.71	0.9		219	685.71	0.9		-1	0	0.0							
15	Deep	!SLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	115754		218	685.71	0.8		219	685.71	0.8		-1	0	0.0							
15	Deep	!SLakeGeorg	115310		213	685.66	0.8		213	685.66	0.8		0	0	0.0							
15	Deep	!SLakeGeorg	114871		280	685.57	1.0		280	685.57	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	114397		277	685.47	1.0		278	685.47	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	113918		329	685.23	1.5		328	685.23	1.5		1	0	0.0							
15	Deep	!SLakeGeorg	113720		332	685.14	1.4		333	685.14	1.4		-1	0	0.0							
15	Deep	!SLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	113536		332	685.1	1.3		332	685.1	1.3		0	0	0.0							
15	Deep	!SLakeGeorg	113233		339	684.98	1.9		338	684.98	1.9		0	0	0.0							
15	Deep	!SLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	113059		339	684.94	1.5		339	684.94	1.5		0	0	0.0							
15	Deep	!SLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	112472		354	684.83	1.4		353	684.83	1.4		1	0	0.0							
15	Deep	!SLakeGeorg	111932		367	684.6	1.5		367	684.6	1.5		0	0	0.0							
15	Deep	!SLakeGeorg	111538		376	684.37	1.5		376	684.37	1.5		0	0	0.0							
15	Deep	!SLakeGeorg	111058		387	684.02	1.6		387	684.02	1.6		0	0	0.0							
15	Deep	!SLakeGeorg	110793		394	683.88	1.1		395	683.88	1.1		0	0	0.0							
15	Deep	!SLakeGeorg	110465		404	683.71	1.5		404	683.71	1.5		0	0	0.0							
15	Deep	!SLakeGeorg	110181		413	683.58	1.6		413	683.58	1.6		0	0	0.0							
15	Deep	!SLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	110130		413	683.58	1.4		413	683.58	1.4		0	0	0.0							
15	Deep	!SLakeGeorg	110128		413	683.58	1.4		413	683.58	1.4		-1	0	0.0							
15	Deep	!SLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	110040		413	683.57	1.2		413	683.57	1.2		0	0	0.0							
15	Deep	!SLakeGeorg	109523		429	683.42	1.3		429	683.42	1.3		0	0	0.0							
15	Deep	!SLakeGeorg	109022		444	683.24	1.2		444	683.24	1.2		0	0	0.0							
15	Deep	!SLakeGeorg	108612		457	683.03	1.6		457	683.03	1.6		0	0	0.0							
15	Deep	!SLakeGeorg	108112		473	682.77	1.4		473	682.77	1.4		0	0	0.0							
15	Deep	!SLakeGeorg	107495		493	682.54	1.4		493	682.54	1.4		0	0	0.0							
15	Deep	!SLakeGeorg	107156		504	682.42	1.4		504	682.42	1.4		0	0	0.0							
15	Deep	!SLakeGeorg	106585		504	682.3	0.9		504	682.3	0.9		0	0	0.0							
15	Deep	!SLakeGeorg	106334		503	682.22	1.3		503	682.22	1.3		0	0	0.0							
15	Deep	!SLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	105956		504	682.09	1.3		504	682.09	1.3		0	0	0.0							
15	Deep	!SLakeGeorg	105573		503	681.91	1.6		503	681.91	1.6		0	0	0.0							
15	Deep	!SLakeGeorg	105254		561	681.84	0.9		561	681.84	0.9		0	0	0.0							
15	Deep	!SLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	!SLakeGeorg	105085		561	681.63	1.0		561	681.63	1.0		0	0	0.0							
15	Deep	!SLakeGeorg	104691		561	681.58	1.2		561	681.58	1.2		0	0	0.0							
15	Deep	!SLakeGeorg	104222		561	681.46	1.3		561	681.46	1.3		0	0	0.0							
15	Deep	!SLakeGeorg	104061		560	681.42	1.4		561	681.42	1.4		0	0	0.0							
15	Deep	!SLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	103945		561	680.91	1.4		561	680.91	1.4		0	0	0.0							
15	Deep	!SLakeGeorg	103528		560	680.78	1.5		560	680.78	1.5		0	0	0.0							
15	Deep	!SLakeGeorg	103234		560	680.69	1.2		559	680.69	1.2		0	0	0.0							
15	Deep	!SLakeGeorg	102805		644	680.51	1.7		644	680.51	1.7		0	0	0.0							
15	Deep	!SLakeGeorg	102268		644	680.28	2.0		644	680.28	2.0		0	0	0.0							
15	Deep	!SLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	!SLakeGeorg	102028		645	679.44	1.8		644	679.44	1.8		0	0	0.0							
15	Deep	!SLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	!SLakeGeorg	101538		644	679.05	2.2		645	679.05	2.2		-1	0	0.0							
15	Deep	!SLakeGeorg	100981		643	678.5	2.0		643	678.5	2.0		0	0	0.0							
15	Deep	!SLakeGeorg	100383		360	678.32	0.8		359	678.32	0.8		1	0	0.0							
15	Deep	!SLakeGeorg	99713		355	678.24	0.9		355	678.24	0.9		0	0	0.0							
15	Deep	!SLakeGeorg	99064		412	678.16	0.9		412	678.16	0.9		0	0	0.0							
15	Deep	!SLakeGeorg	98521		316	678.12	0.6		316	678.12	0.6		0	0	0.0							
15	Deep	!SLakeGeorg	97818		917	677.96	1.9		918	677.96	1.9		-1	0	0.0	15	2	-1	0.00	0.00	0.0	0.0
	Deep	!SLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	!SLakeGeorg	97432		918	677.53	1.9		918	677.53	1.9		0	0	0.0							
14	Deep	!SLakeGeorg	96861		917	677.47	0.9		917	677.47	0.9		0	0	0.0							
14	Deep	!SLakeGeorg	96112		1064	677.21	1.5		1064	677.21	1.5		0	0	0.0							
14	Deep	!SLakeGeorg	95541		1059	676.7	2.5		1059	676.7	2.5		0	0	0.0							
14	Deep	!SLakeGeorg	95034		943	676.3	1.9		942	676.3	1.9		1	0	0.0							
14	Deep	!SLakeGeorg	94436		914	675.88	2.2		915	675.88	2.2		-1	0	0.0							
14	Deep	!SLakeGeorg	93802		877	675.55	1.7		879	675.55	1.7		-1	0	0.0							
14	Deep	!SLakeGeorg	93297		869	675.38	1.3		868	675.38	1.3		0	0	0.0							
14	Deep	!SLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	!SLakeGeorg	92606		1131	675.17	1.4		1131	675.17	1.4		0	0	0.0							
14	Deep	!SLakeGeorg	91967		1131	675.04	1.3		1131	675.04	1.3		0	0	0.0							
14	Deep	!SLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	!SLakeGeorg	91814		1131	674.92	2.0		1131	674.92	2.0		0	0	0.0							
14	Deep	!SLakeGeorg	91400		1135	674.67	2.2		1135	674.67	2.2		0	0	0.0							
14	Deep	!SLakeGeorg	90843		1141	674.47	0.8		1141	674.47	0.8		0	0	0.0							
14	Deep	!SLakeGeorg	90268		1147	674.24	1.9		1147	674.24	1.9		0	0	0.0							
14	Deep	!SLakeGeorg	89708		1153	673.92	2.0		1153	673.92	2.0		0	0	0.0							
14	Deep	!SLakeGeorg	89139		1159	673.73	1.4		1159	673.73	1.4		0	0	0.0							
14	Deep	!SLakeGeorg	88645		1164	673.51	1.7		1164	673.51	1.7		0	0	0.0							
14	Deep	!SLakeGeorg	88132		1170	673.19	2.2		1169	673.19	2.2		0	0	0.0							
14	Deep	!SLakeGeorg	87170		1180	672.56	2.1		1180	672.56	2.1		0	0	0.0							
14	Deep	!SLakeGeorg	86814		1183	672.29	2.3		1183	672.29	2.3		0	0	0.0							
14	Deep	!SLakeGeorg	86497		1187	672.16	1.3		1187	672.16	1.3		0	0	0.0							
14	Deep	!SLakeGeorg	86248		1190	671.99	2.2		1190	671.99	2.2		0	0	0.0							
14	Deep	!SLakeGeorg	85858		1194	671.66	2.2		1194	671.66	2.2		0	0	0.0							
14	Deep	!SLakeGeorg	85406		1198	671.33	2.2		1198	671.33	2.2		0	0	0.0							
14	Deep	!SLakeGeorg	84957		1203	670.93	2.6		1202	670.93	2.6		0	0	0.0							
14	Deep	!SLakeGeorg	84375		1208	670.3	3.0		1208	670.29	3.0		0	0.01	0.0							

14	Deep	!SLakeGeorg	84324		Bridge				Bridge					0	0.0						
14	Deep	!SLakeGeorg	84262		1208	670.19	3.2		1208	670.19	3.2		0	0	0.0						
14	Deep	!SLakeGeorg	83723		1214	669.85	1.8		1214	669.85	1.8		0	0	0.0						
14	Deep	!SLakeGeorg	83093		1220	669.47	1.7		1220	669.46	1.7		0	0.01	0.0						
14	Deep	!SLakeGeorg	82750		1224	669.28	1.9		1224	669.28	1.9		0	0	0.0						
14	Deep	!SLakeGeorg	82364		1227	669.04	2.0		1228	669.04	2.0		0	0	0.0						
14	Deep	!SLakeGeorg	81844		1233	668.84	1.0		1233	668.83	1.0		0	0.01	0.0						
14	Deep	!SLakeGeorg	81294		1238	668.73	1.0		1238	668.72	1.0		0	0.01	0.0						
14	Deep	!SLakeGeorg	80717		1245	668.43	2.1		1245	668.42	2.1		0	0.01	0.0						
14	Deep	!SLakeGeorg	80186		1250	668.03	2.3		1250	668.02	2.3		0	0.01	0.0						
14	Deep	!SLakeGeorg	79604		1256	667.68	2.1		1256	667.66	2.1		0	0.02	0.0						
14	Deep	!SLakeGeorg	79148		1260	667.42	1.9		1260	667.4	2.0		0	0.02	0.0						
14	Deep	!SLakeGeorg	78803		1260	667.15	2.5		1259	667.12	2.5		1	0.03	0.0						
14	Deep	!SLakeGeorg	78407		1258	666.87	2.2		1258	666.84	2.2		0	0.03	0.0	14	1	-1	0.03	0.00	0.0	0.0
	Deep	!SLakeGeorg	78346		Bridge				Bridge					0	0.0						
13	Deep	!SLakeGeorg	78285		1257	666.7	2.7		1256	666.7	2.7		0	0	0.0						
13	Deep	!SLakeGeorg	77848		1254	666.44	2.1		1254	666.44	2.1		0	0	0.0						
13	Deep	!SLakeGeorg	77566		1250	666.25	2.0		1249	666.25	2.0		1	0	0.0						
13	Deep	!SLakeGeorg	77073		1437	665.89	2.0		1437	665.89	2.0		0	0	0.0						
13	Deep	!SLakeGeorg	76478		1437	665.58	1.7		1437	665.58	1.7		0	0	0.0						
13	Deep	!SLakeGeorg	76044		1440	665.45	1.4		1440	665.45	1.4		0	0	0.0						
13	Deep	!SLakeGeorg	75777		1442	665.35	1.6		1443	665.35	1.6		0	0	0.0						
13	Deep	!SLakeGeorg	75408		1445	665.22	1.4		1446	665.22	1.4		0	0	0.0						
13	Deep	!SLakeGeorg	75368		Bridge				Bridge					0	0.0						
13	Deep	!SLakeGeorg	75316		1445	665.16	1.4		1446	665.16	1.4		0	0	0.0						
13	Deep	!SLakeGeorg	74938		1449	664.88	2.4		1449	664.88	2.4		0	0	0.0						
13	Deep	!SLakeGeorg	74633		1429	664.6	2.4		1429	664.6	2.4		0	0	0.0						
13	Deep	!SLakeGeorg	74229		1435	664.37	1.7		1435	664.38	1.7		0	-0.01	0.0						
13	Deep	!SLakeGeorg	73723		1434	663.89	2.8		1435	663.9	2.8		0	-0.01	0.0						
13	Deep	!SLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0						
13	Deep	!SLakeGeorg	73616		1332	663.83	2.5		1331	663.83	2.5		0	0	0.0						
13	Deep	!SLakeGeorg	73500		1327	663.76	2.3		1327	663.76	2.3		0	0	0.0						
13	Deep	!SLakeGeorg	72900		1517	663.16	2.1		1517	663.17	2.1		0	-0.01	0.0						
13	Deep	!SLakeGeorg	72028		1517	662.28	2.5		1517	662.29	2.5		0	-0.01	0.0						
13	Deep	!SLakeGeorg	71320		1516	661.73	1.5		1517	661.75	1.5		0	-0.02	0.0						
13	Deep	!SLakeGeorg	71053		1517	661.62	2.3		1517	661.64	2.2		0	-0.02	0.0						
13	Deep	!SLakeGeorg	70997		Bridge				Bridge					0	0.0						
13	Deep	!SLakeGeorg	70937		1516	661.38	3.2		1517	661.38	3.2		0	0	0.0						
13	Deep	!SLakeGeorg	70139		1516	660.86	2.0		1516	660.86	2.0		0	0	0.0						
13	Deep	!SLakeGeorg	69435		1516	660.28	1.0		1515	660.28	1.0		0	0	0.0						
13	Deep	!SLakeGeorg	68193		1514	659.83	1.6		1514	659.83	1.6		0	0	0.0						
13	Deep	!SLakeGeorg	66864		1741	659.03	1.8		1741	659.03	1.8		0	0	0.0						
13	Deep	!SLakeGeorg	66388		1751	658.65	1.7		1751	658.65	1.7		0	0	0.0						
13	Deep	!SLakeGeorg	65488		1768	657.5	2.7		1768	657.5	2.7		0	0	0.0						
13	Deep	!SLakeGeorg	64654		1783	656.2	2.2		1783	656.19	2.2		0	0.01	0.0						
13	Deep	!SLakeGeorg	63857		1799	655.26	1.8		1799	655.24	1.8		0	0.02	0.0						
13	Deep	!SLakeGeorg	63247		1811	654.81	1.6		1811	654.78	1.6		0	0.03	0.0						
13	Deep	!SLakeGeorg	62532		1825	654.54	0.7		1825	654.5	0.7		0	0.04	0.0						
13	Deep	!SLakeGeorg	62169		1833	654.35	3.2		1834	654.31	3.3		0	0.04	0.0						
13	Deep	!SLakeGeorg	62115		Bridge				Bridge					0	0.0						
13	Deep	!SLakeGeorg	62050		1834	654.31	3.2		1834	654.31	3.2		0	0	0.0						
13	Deep	!SLakeGeorg	61732		1842	654.04	1.9		1843	654.04	1.9		0	0	0.0						
13	Deep	!SLakeGeorg	61270		1850	653.64	2.0		1851	653.64	2.0		0	0	0.0						
13	Deep	!SLakeGeorg	61156		1854	653.47	1.9		1854	653.47	1.9		0	0	0.0						
13	Deep	!SLakeGeorg	60978		1859	653.25	1.5		1859	653.25	1.5		0	0	0.0						
13	Deep	!SLakeGeorg	60509		1870	652.75	2.0		1870	652.75	2.0		0	0	0.0						
13	Deep	!SLakeGeorg	59758		1883	651.82	2.4		1883	651.82	2.4		0	0	0.0						
13	Deep	!SLakeGeorg	58574		1899	650.7	1.9		1899	650.7	1.9		0	0	0.0						
13	Deep	!SLakeGeorg	57350		1918	649.76	2.0		1919	649.76	2.0		0	0	0.0						
13	Deep	!SLakeGeorg	56397		1936	648.74	2.2		1936	648.74	2.2		0	0	0.0						
13	Deep	!SLakeGeorg	55724		1950	648.02	1.7		1951	648.02	1.7		0	0	0.0						
13	Deep	!SLakeGeorg	54755		1967	647.32	1.9		1967	647.32	1.9		0	0	0.0						
13	Deep	!SLakeGeorg	53123		1988	646.51	1.5		1988	646.5	1.5		0	0.01	0.0						
13	Deep	!SLakeGeorg	52077		2007	646.08	1.4		2008	646.07	1.4		0	0.01	0.0						
13	Deep	!SLakeGeorg	51203		2024	645.49	2.2		2024	645.48	2.2		0	0.01	0.0						
13	Deep	!SLakeGeorg	50734		2022	645.02	2.1		2022	645.02	2.1		0	0	0.0						
13	Deep	!SLakeGeorg	50234		2307	644.53	2.6		2308	644.52	2.6		-1	0.01	0.0						
13	Deep	!SLakeGeorg	49556		2307	643.78	2.1		2307	643.76	2.1		-1	0.02	0.0						
13	Deep	!SLakeGeorg	48301		2306	642.98	1.8		2307	642.95	1.8		-1	0.03	0.0						
13	Deep	!SLakeGeorg	47270		2306	642.25	2.2		2307	642.2	2.2		0	0.05	0.0						
13	Deep	!SLakeGeorg	46606		2306	641.69	3.4		2307	641.63	3.4		0	0.06	0.0	13	1	-1	0.06	-0.02	0.0	0.0
	Deep	!SLakeGeorg	46438		Bridge				Bridge					0	0.0						
12	Deep	!SLakeGeorg	46376		2306	641.2	3.3		2307	641.2	3.3		-1	0	0.0						
12	Deep	!SLakeGeorg	45906		2306	640.92	2.1		2306	640.92	2.1		-1	0	0.0						
12	Deep	!SLakeGeorg	45247		2314	639.84	2.9		2315	639.84	2.9		-1	0	0.0						
12	Deep	!SLakeGeorg	44666		2320	638.7	3.0		2320	638.7	3.0		0	0	0.0						
12	Deep	!SLakeGeorg	44232		2325	637.66	3.2		2326	637.65	3.2		-1	0.01	0.0						
12	Deep	!SLakeGeorg	43908		2330	637	3.8		2330	636.99	3.8		0	0.01	0.0						
12	Deep	!SLakeGeorg	43875		Bridge				Bridge					0	0.0						
12	Deep	!SLakeGeorg	43837		2330	636.63	5.1		2330	636.62	5.1		-1	0.01	0.0						
12	Deep	!SLakeGeorg	43461		2334	636.09	5.1		2335	636.07	5.1		-1	0.02	0.0						
12	Deep	!SLakeGeorg	43422		Bridge				Bridge					0	0.0						
12	Deep	!SLakeGeorg	43390		2335	636.08	4.7		2335	636.07	4.7		0	0.01	0.0						
12	Deep	!SLakeGeorg	43242		2336	635.82	3.7		2337	635.81	3.7		-1	0.01	0.0						
12	Deep	!SLakeGeorg	43046		2337	635.29	3.1		2339	635.28	3.1		-1	0.01	0.0						
12	Deep	!SLakeGeorg	43012		2339	635.12	4.4		2340	635.1	4.5		-1	0.02	0.0						
12	Deep	!SLakeGeorg	42998		Bridge				Bridge					0	0.0						
12	Deep	!SLakeGeorg	42973		2339	635.12	3.4		2339	635.11	3.4		-1	0.01	0.0						
12	Deep	!SLakeGeorg	42477		2341	634.79	2.5		2343	634.77	2.5		-2	0.02	0.0						
12	Deep	!SLakeGeorg	41418		2352	634.04	0.6		2353	634	0.6		-2	0.04	0.0						
12	Deep	!SLakeGeorg	39881		2363	633.36	2.2		2364	633.28	2.2		-2	0.08	0.0						
12	Deep	!SLakeGeorg	39554		2367	633.04	1.6		2369	632.94	1.7		-2	0.1	0.0						
12	Deep	!SLakeGeorg	38999		2372	632.77	1.7		2373	632.65	1.7		-2	0.12	0.0						
12	Deep	!SLakeGeorg	38116		2379	632.39	1.6		2381	632.24	1.6		-2	0.15	0.0						
12	Deep	!SLakeGeorg	37703		2385	632.03	4.3		2387	631.87	4.4		-2	0.16	-0.1						
12	Deep	!SLakeGeorg	37631		Mult Open				Mult Open					0	0.0						
12	Deep	!SLakeGeorg	37554		2384	629.91	4.8		2386	629.92	4.8		-2	-0.01	0.0						
12	Deep	!SLakeGeorg	36999		2391	629.33	2.2		2393	629.33	2.2		-2	0	0.0						
12	Deep	!SLakeGeorg	36181		2400	628.19	2.3		2402	628.19	2.3		-2	0	0.0						
12	Deep	!SLakeGeorg	35034		2407	627.21	2.1		2409	627.21	2.1		-2	0	0.0						
12	Deep	!SLakeGeorg	34012		2415	626.27	2.2		2417	626.28	2.2		-2	-0.01	0.0						
12	Deep	!SLakeGeorg	33338		2422	625.71	1.5		2424	625.71	1.5		-2	0	0.0						
12	Deep	!SLakeGeorg	32345		2429	625.16	2.9		2431	625.17	2.9		-2	-0.01	0.0						
12	Deep	!SLakeGeorg	31526		2439	624.62	3.1		2441	624.63	3.1		-2	-0.01	0.0						
12	Deep	!SLakeGeorg	31484		Bridge				Bridge					0	0.0						
12	Deep	!SLakeGeorg	31444		2439	624.18	4.6		2441	624.18	4.6		-2	0	0.0						
12	Deep	!SLakeGeorg	30859		2445	623.78	1.9		2447	623.78	1.9		-2	0	0.0						

12	Deep	!SLakeGeorg	30141		2452	623.29	1.4		2454	623.3	1.4		-2	-0.01	0.0						
12	Deep	!SLakeGeorg	28772		2464	622.22	1.8		2466	622.22	1.8		-2	0	0.0						
12	Deep	!SLakeGeorg	27969		2472	621.45	1.7		2473	621.45	1.7		-2	0	0.0						
12	Deep	!SLakeGeorg	26706		2478	620.78	1.7		2480	620.78	1.7		-2	0	0.0						
12	Deep	!SLakeGeorg	25820		2484	620.3	1.6		2485	620.3	1.6		-1	0	0.0						
12	Deep	!SLakeGeorg	24753		2490	619.7	1.8		2491	619.71	1.8		-1	-0.01	0.0						
12	Deep	!SLakeGeorg	24277		2495	619.37	1.6		2496	619.38	1.6		-1	-0.01	0.0						
12	Deep	!SLakeGeorg	23302		2503	618.89	1.4		2503	618.9	1.4		0	-0.01	0.0						
12	Deep	!SLakeGeorg	22507		2510	618.56	1.4		2511	618.57	1.4		0	-0.01	0.0						
12	Deep	!SLakeGeorg	21518		2518	618.09	1.9		2517	618.11	1.9		1	-0.02	0.0						
12	Deep	!SLakeGeorg	20795		2525	617.62	1.5		2525	617.64	1.5		0	-0.02	0.0						
12	Deep	!SLakeGeorg	20086		2532	617.28	1.6		2531	617.3	1.6		2	-0.02	0.0						
12	Deep	!SLakeGeorg	19928		2534	617.21	1.5		2532	617.24	1.5		2	-0.03	0.0						
12	Deep	!SLakeGeorg	19407		2539	616.99	3.5		2538	617.02	3.5		1	-0.03	0.0	12	2	-2	0.16	-0.03	0.0	-0.1
	Deep	!SLakeGeorg	19336		Bridge				Bridge					0	0.0						
11	Deep	!SLakeGeorg	19273		2540	616.97	3.1		2538	617	3.1		2	-0.03	0.0						
11	Deep	!SLakeGeorg	18982		2544	616.88	1.6		2542	616.91	1.6		2	-0.03	0.0						
11	Deep	!SLakeGeorg	18179		2551	616.43	2.0		2549	616.47	1.9		2	-0.04	0.0						
11	Deep	!SLakeGeorg	16616		2562	615.44	2.1		2558	615.51	2.0		4	-0.07	0.0						
11	Deep	!SLakeGeorg	16067		2561	615.05	1.3		2556	615.14	1.3		6	-0.09	0.0						
11	Deep	!SLakeGeorg	15127		2561	614.79	1.2		2555	614.9	1.2		5	-0.11	0.0						
11	Deep	!SLakeGeorg	14039		2561	614.48	1.3		2555	614.61	1.2		6	-0.13	0.0						
11	Deep	!SLakeGeorg	12507		2561	614.08	1.4		2555	614.24	1.4		7	-0.16	0.0						
11	Deep	!SLakeGeorg	11631		2851	613.9	0.7		2835	614.07	0.7		16	-0.17	0.0						
11	Deep	!SLakeGeorg	10855		2850	613.75	1.1		2834	613.94	1.0		16	-0.19	0.0						
11	Deep	!SLakeGeorg	9782		2850	613.47	2.9		2834	613.68	2.8		16	-0.21	0.1	11	16	2	-0.03	-0.21	0.1	0.0
	Deep	!SLakeGeorg	9716		Bridge				Bridge					0	0.0						
10	Deep	!SLakeGeorg	9630		2850	613.26	2.8		2834	613.48	2.7		16	-0.22	0.1						
10	Deep	!SLakeGeorg	9188		2850	613.18	1.5		2834	613.41	1.4		16	-0.23	0.1						
10	Deep	!SLakeGeorg	8897		2849	613.11	0.8		2833	613.34	0.8		16	-0.23	0.0						
10	Deep	!SLakeGeorg	8295		2850	612.98	1.7		2834	613.23	1.6		17	-0.25	0.1						
10	Deep	!SLakeGeorg	8102		2887	612.88	1.0		2868	613.14	1.0		19	-0.26	0.0						
10	Deep	!SLakeGeorg	7054		2887	612.57	1.9		2868	612.87	1.8		20	-0.3	0.1						
10	Deep	!SLakeGeorg	6756		2887	612.37	1.4		2867	612.69	1.3		19	-0.32	0.1						
10	Deep	!SLakeGeorg	6208		2887	612.09	1.8		2867	612.45	1.7		20	-0.36	0.1						
10	Deep	!SLakeGeorg	5892		2887	611.97	1.7		2867	612.35	1.6		20	-0.38	0.1						
10	Deep	!SLakeGeorg	5829		Bridge				Bridge					0	0.0						
10	Deep	!SLakeGeorg	5782		2887	611.88	2.0		2867	612.27	1.9		20	-0.39	0.1						
10	Deep	!SLakeGeorg	5461		2887	611.83	1.1		2868	612.23	1.1		19	-0.4	0.1						
10	Deep	!SLakeGeorg	5071		2887	611.76	0.9		2867	612.17	0.8		20	-0.41	0.1						
10	Deep	!SLakeGeorg	4635		2886	611.7	1.4		2867	612.12	1.3		20	-0.42	0.1						
10	Deep	!SLakeGeorg	3552		2885	611.57	0.9		2867	612.01	0.9		18	-0.44	0.1						
10	Deep	!SLakeGeorg	2936		2886	611.49	1.0		2867	611.95	1.0		19	-0.46	0.1						
10	Deep	!SLakeGeorg	1907		2883	611.38	1.5		2866	611.86	1.4		17	-0.48	0.1						
10	Deep	!SLakeGeorg	1253		2883	611.23	1.3		2865	611.73	1.2		18	-0.5	0.1						
10	Deep	!SLakeGeorg	620		2881	611.15	1.7		2865	611.66	1.6		16	-0.51	0.1	10	20	16	0.00	-0.51	0.1	0.0
9	Deep	USDuck	75919.1		5039	611.03	2.2		4917	611.56	2.0		122	-0.53	0.2						
9	Deep	USDuck	75919		5039	611.03	2.2		4916	611.56	2.0		124	-0.53	0.2						
9	Deep	USDuck	74577		5044	610.97	0.6		4920	611.52	0.6		125	-0.55	0.0						
9	Deep	USDuck	73646		5047	610.96	0.5		4924	611.51	0.5		123	-0.55	0.0						
9	Deep	USDuck	73085		5050	610.96	0.6		4927	611.5	0.5		123	-0.54	0.0						
9	Deep	USDuck	72588		5053	610.95	0.8		4929	611.5	0.7		124	-0.55	0.1						
9	Deep	USDuck	72272		5055	610.89	2.0		4930	611.45	1.9		125	-0.56	0.1	9	125	122	-0.53	-0.56	0.2	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0						
8	Deep	USDuck	72091		5051	610.07	3.4		4924	610.77	3.1		128	-0.7	0.3						
8	Deep	USDuck	71748		5054	610.12	0.9		4925	610.81	0.9		129	-0.69	0.1						
8	Deep	USDuck	71471		5056	610.12	0.8		4926	610.81	0.8		130	-0.69	0.1						
8	Deep	USDuck	70800		5059	610.11	0.8		4929	610.8	0.7		131	-0.69	0.1						
8	Deep	USDuck	70081		5063	610.09	0.9		4933	610.79	0.9		130	-0.7	0.1						
8	Deep	USDuck	69112		5067	610.07	1.0		4936	610.77	0.9		131	-0.7	0.1						
8	Deep	USDuck	68349		5072	610.07	0.6		4940	610.77	0.6		132	-0.7	0.1						
8	Deep	USDuck	68057		5072	610.04	1.7		4941	610.75	1.5		131	-0.71	0.2						
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0						
8	Deep	USDuck	67862		5074	610.02	1.0		4941	610.71	0.9		133	-0.69	0.1						
8	Deep	USDuck	67287		5077	610.02	0.6		4944	610.71	0.5		133	-0.69	0.0						
8	Deep	USDuck	66449		5081	610.01	0.8		4947	610.7	0.8		134	-0.69	0.1						
8	Deep	USDuck	65658		5085	610.01	0.6		4951	610.7	0.6		135	-0.69	0.0						
8	Deep	USDuck	64951		5089	610	0.6		4954	610.69	0.6		135	-0.69	0.0						
8	Deep	USDuck	64403		5091	609.98	1.1		4956	610.68	1.0		136	-0.7	0.1						
8	Deep	USDuck	64140		5093	609.79	4.0		4957	610.52	3.7		135	-0.73	0.3						
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0						
8	Deep	USDuck	63973		5093	608.91	3.4		4957	609.97	3.0		136	-1.06	0.3						
8	Deep	USDuck	63867		5093	609	2.1		4957	610.04	1.9		136	-1.04	0.2						
8	Deep	USDuck	63747		5093	608.99	2.0		4958	610.04	1.8		136	-1.05	0.2						
8	Deep	USDuck	63629		Culvert				Bridge					0	0.0						
8	Deep	USDuck	63518		5094	608.73	2.1		4958	608.68	2.1		136	0.05	0.0						
8	Deep	USDuck	63249		5095	608.77	0.8		4959	608.71	0.8		136	0.06	0.0						
8	Deep	USDuck	62725		5096	608.77	0.4		4959	608.71	0.4		137	0.06	0.0						
8	Deep	USDuck	62349		5095	608.77	0.4		4959	608.71	0.4		136	0.06	0.0	8	137	128	0.06	-1.06	0.3	0.0
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0						
7	Deep	USDuck	62095		5093	605.76	2.2		4959	605.9	2.1		134	-0.14	0.1						
7	Deep	USDuck	61997		5093	605.79	1.3		4958	605.93	1.2		134	-0.14	0.1						
7	Deep	USDuck	61825		5092	605.73	2.2		4958	605.88	2.1		134	-0.15	0.1						
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0						
7	Deep	USDuck	61668		5092	605.18	3.8		4959	605.36	3.6		133	-0.18	0.2						
7	Deep	USDuck	61549		5092	605.25	2.8		4958	605.43	2.7		133	-0.18	0.1						
7	Deep	DSDuck	961329		5759	605.22	2.6		5601	605.4	2.4		158	-0.18	0.2						
7	Deep	DSDuck	961230		5757	605.22	2.4		5600	605.4	2.4		157	-0.18	0.1	7	158	133	0.00	-0.18	0.2	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0						
6	Deep	DSDuck	960993		5758	605.08	2.2		5602	604.94	2.2		156	0.14	0.0						
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0						
6	Deep	DSDuck	960895		5758	605.09	2.0		5601	604.87	2.8		157	0.22	-0.8						
6	Deep	DSDuck	960679		5757	605.06	1.9		5600	604.84	2.5		158	0.22	-0.6						
6	Deep	DSDuck	960529		5728	605.02	2.2		5580	604.83	2.2		148	0.19	0.0						
6	Deep	DSDuck	959872		4649	604.93	1.7		4588	604.74	1.8		62	0.19	0.0						
6	Deep	DSDuck	959178		5755	604.83	1.9		5598	604.63	1.9		157	0.2	0.0						
6	Deep	DSDuck	958649		5754	604.73	2.0		5597	604.54	2.0		157	0.19	0.0						
6	Deep	DSDuck	957989		5753	604.65	1.6		5597	604.45	1.6		157	0.2	0.0						
6	Deep	DSDuck	957262		5753	604.53	2.0		5596	604.33	2.0		157	0.2	0.0						
6	Deep	DSDuck	956509		5752	604.37	2.8		5596	604.18	2.8		157	0.19	0.0	6	158	62	0.22	0.00	0.0	-0.8
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0						
5	Deep	DSDuck	956282		5750	603.84	3.1		5594	603.68	3.0		156	0.16	0.0						
5	Deep	DSDuck	956184		5749	603.85	2.7		5594	603.69	2.6		155	0.16	0.0						
5	Deep	DSDuck	956039		5750	603.86	2.1		5594	603.69	2.1		156	0.17	0.0						
5	Deep	DSDuck	955916		5749	603.85	1.9		5594	603.69	1.9		155	0.16	0.0						
5	Deep	DSDuck	955614		5750	603.82	1.8		5594	603.66	1.8		155	0.16	0.0						
5	Deep	DSDuck	954784		5747	603.7	2.1		5593	603.53	2.1		154	0.17	0.0						

5	Deep	DSDuck	954658		5783	603.46	4.6		5626	603.3	4.6		157	0.16	0.1							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5780	603.22	3.4		5624	603.08	3.3		157	0.14	0.1							
5	Deep	DSDuck	954427		5780	603.22	3.4		5624	603.08	3.3		156	0.14	0.1							
5	Deep	DSDuck	954107		5826	603.23	2.2		5666	603.09	2.2		160	0.14	0.0							
5	Deep	DSDuck	953696		5824	603.11	2.6		5665	602.97	2.6		159	0.14	0.0							
5	Deep	DSDuck	953203		5822	603.06	2.0		5665	602.92	2.0		158	0.14	0.0							
5	Deep	DSDuck	952132		5820	602.89	2.4		5662	602.76	2.4		158	0.13	0.0							
5	Deep	DSDuck	951884		5819	602.81	2.6		5662	602.67	2.5		157	0.14	0.0							
5	Deep	DSDuck	951566		5817	602.73	2.6		5661	602.59	2.5		157	0.14	0.0							
5	Deep	DSDuck	950991		5816	602.61	2.8		5657	602.47	2.8		158	0.14	0.0							
5	Deep	DSDuck	950682		5814	602.57	2.3		5656	602.43	2.2		158	0.14	0.0							
5	Deep	DSDuck	949909		5812	602.41	2.4		5654	602.28	2.4		158	0.13	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5587	602.34	2.1		5439	602.21	2.1		149	0.13	0.0							
5	Deep	DSDuck	949168		5600	602.33	1.9		5449	602.2	1.9		151	0.13	0.0							
5	Deep	DSDuck	948729		5810	602.25	2.3		5654	602.12	2.2		156	0.13	0.0	5	160	149	0.17	0.00	0.1	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5806	601.97	1.7		5652	601.81	1.7		155	0.16	0.0							
4	Deep	DSDuck	948480		5805	601.97	1.7		5652	601.81	1.7		153	0.16	0.0							
4	Deep	DSDuck	948428		6012	601.97	1.5		5849	601.81	1.5		163	0.16	0.0							
4	Deep	DSDuck	948174		6011	601.94	1.8		5850	601.78	1.8		162	0.16	0.0							
4	Deep	DSDuck	947566		6009	601.85	1.7		5847	601.69	1.7		161	0.16	0.0							
4	Deep	DSDuck	946997		6006	601.66	2.5		5844	601.5	2.4		162	0.16	0.0							
4	Deep	DSDuck	946167		6004	601.58	1.3		5843	601.42	1.3		161	0.16	0.0							
4	Deep	DSDuck	945248		6004	601.53	1.6		5842	601.36	1.6		162	0.17	0.0							
4	Deep	DSDuck	944337		6002	601.46	1.5		5840	601.3	1.5		162	0.16	0.0							
4	Deep	DSDuck	942778		5997	601.09	3.7		5836	600.92	3.7		161	0.17	0.0							
4	Deep	DSDuck	942375		5996	600.97	3.5		5834	600.79	3.5		162	0.18	0.0							
4	Deep	DSDuck	942129		5996	600.89	3.5		5835	600.71	3.6		162	0.18	-0.1							
4	Deep	DSDuck	941984		5991	600.72	4.4		5832	600.54	4.4		160	0.18	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		5993	600.71	3.3		5830	600.55	3.2		163	0.16	0.0							
4	Deep	DSDuck	941433		5987	600.4	4.1		5826	600.23	4.1		161	0.17	0.0							
4	Deep	DSDuck	940705		5986	600.13	3.2		5819	599.95	3.1		167	0.18	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5975	599.83	4.1		5811	599.69	4.0		164	0.14	0.0							
4	Deep	DSDuck	940382		5978	599.86	1.8		5813	599.71	1.8		165	0.15	0.0							
4	Deep	DSDuck	939456		5977	599.76	1.9		5811	599.62	1.9		165	0.14	0.0							
4	Deep	DSDuck	938026		5972	599.66	1.9		5806	599.52	1.9		166	0.14	0.0							
4	Deep	DSDuck	937064		5964	599.29	3.5		5795	599.15	3.5		169	0.14	0.0							
4	Deep	DSDuck	936422		5962	599.18	2.9		5790	599.04	2.9		172	0.14	0.0							
4	Deep	DSDuck	935423		5956	598.98	2.9		5727	598.85	2.8		229	0.13	0.1							
4	Deep	DSDuck	934734		6041	598.88	2.7		5802	598.76	2.6		239	0.12	0.1							
4	Deep	DSDuck	934223		6034	598.81	2.6		5787	598.69	2.5		247	0.12	0.1							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6037	598.29	2.8		5785	598.17	2.7		251	0.12	0.1							
4	Deep	DSDuck	933391		5957	598.22	2.6		5779	598.1	2.5		177	0.12	0.0							
4	Deep	DSDuck	932574		5919	597.98	3.1		5738	597.87	3.0		182	0.11	0.0							
4	Deep	DSDuck	931721		5875	597.79	2.9		5696	597.68	2.9		180	0.11	0.0							
4	Deep	DSDuck	931117		5858	597.74	2.3		5673	597.63	2.3		185	0.11	0.0							
4	Deep	DSDuck	930406		5850	597.68	2.3		5649	597.57	2.2		201	0.11	0.0							
4	Deep	DSDuck	929978		5827	597.63	2.2		5646	597.52	2.2		181	0.11	0.0							
4	Deep	DSDuck	929807		5812	597.58	2.6		5622	597.47	2.5		190	0.11	0.1	4	251	153	0.18	0.00	0.1	-0.1
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5800	597.4	2.8		5602	597.29	2.7		198	0.11	0.1							
3	Deep	DSDuck	929174		5789	597.38	2.2		5584	597.27	2.1		206	0.11	0.0							
3	Deep	DSDuck	928469		5748	597.29	2.4		5561	597.19	2.4		188	0.1	0.0							
3	Deep	DSDuck	927523		5670	597.13	2.9		5492	597.03	2.9		178	0.1	0.1							
3	Deep	DSDuck	926814		5656	597.08	2.4		5477	596.98	2.4		179	0.1	0.0							
3	Deep	DSDuck	926669		5622	597.04	2.6		5464	596.94	2.6		158	0.1	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5637	597.05	1.9		5461	596.95	1.9		176	0.1	0.0							
3	Deep	DSDuck	925793		5567	596.94	2.6		5408	596.85	2.5		159	0.09	0.0							
3	Deep	DSDuck	925300		5540	596.89	2.5		5370	596.79	2.4		170	0.1	0.0							
3	Deep	DSDuck	925073		5512	596.86	2.2		5357	596.76	2.1		155	0.1	0.0							
3	Deep	DSDuck	924833		5469	596.78	2.9		5324	596.68	2.9		146	0.1	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5421	596	3.3		5262	595.91	3.2		160	0.09	0.1							
3	Deep	DSDuck	924342		5351	595.94	3.0		5234	595.84	3.0		117	0.1	0.0							
3	Deep	DSDuck	924002		5298	595.87	2.8		5211	595.78	2.8		87	0.09	0.0							
3	Deep	DSDuck	923827		5285	595.84	2.9		5199	595.74	2.9		85	0.1	0.0							
3	Deep	DSDuck	923771		5244	595.79	3.4		5185	595.7	3.4		59	0.09	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5232	595.74	2.3		5168	595.64	2.3		64	0.1	0.0							
3	Deep	DSDuck	923653		5214	595.71	2.4		5165	595.64	1.8		49	0.07	0.6							
3	Deep	DSDuck	923529		5201	595.65	3.2		5161	595.6	2.7		41	0.05	0.5							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5193	595.66	2.7		5154	595.58	3.0		39	0.08	-0.3							
3	Deep	DSDuck	923500		Bridge									0	0.0							
3	Deep	DSDuck	923450		5202	595.64	2.7		5152	595.59	2.7		51	0.05	0.0							
3	Deep	DSDuck	923408		5179	595.62	3.2		5146	595.59	2.7		33	0.03	0.5							
3	Deep	DSDuck	923308		5169	595.61	2.8		5135	595.58	2.7		34	0.03	0.2							
3	Deep	DSDuck	923080		5156	595.62	2.4		5115	595.58	2.4		41	0.04	0.0							
3	Deep	DSDuck	922636		5139	595.56	2.8		5105	595.52	2.8		34	0.04	0.0							
3	Deep	DSDuck	922169		5100	595.51	2.7		5072	595.47	2.7		28	0.04	0.0							
3	Deep	DSDuck	921587		5180	595.39	3.0		5143	595.35	2.9		38	0.04	0.0							
3	Deep	DSDuck	921501		5132	595.25	4.0		5105	595.22	4.0		27	0.03	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5087	595.11	3.7		5061	595.08	3.6		26	0.03	0.0							
3	Deep	DSDuck	921039.1		5087	595.11	3.7		5061	595.08	3.6		26	0.03	0.0							
3	Deep	DSDuck	921039		5082	595.11	3.6		5068	595.08	3.6		14	0.03	0.0	3	206	14	0.11	0.00	0.6	-0.3
1	Burns	Burns	920939		5266	595.11	3.9		5240	595.08	3.9		26	0.03	0.0							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5251	594.99	4.2		5223	594.96	4.1		28	0.03	0.0							
1	Burns	Burns	920468		5250	594.96	4.0		5226	594.93	4.0		24	0.03	0.0							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5090	594.95	3.5		5074	594.91	3.5		16	0.04	0.0							
1	Burns	Burns	919872		5119	594.89	3.4		5099	594.85	3.4		20	0.04	0.0							
1	Burns	Burns	919832		5199	594.88	3.4		5182	594.84	3.4		17	0.04	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5177	594.68	3.9		5161	594.65	3.9		16	0.03	0.0							
1	Burns	Burns	919588		5171	594.68	3.8		5164	594.65	3.8		7	0.03	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5185	594.75	2.9		5170	594.72	2.9		16	0.03	0.0							
1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0							

1	Burns	Burns	919340		4947	594.73	2.9		4934	594.7	2.9		13	0.03	0.0						
1	Burns	Burns	919021		4062	594.79	2.1		4052	594.75	2.1		10	0.04	0.0						
1	Burns	Burns	918058		2250	594.81	1.3		2248	594.77	1.3		2	0.04	0.0						
1	Burns	Burns	917449		1617	594.81	1.0		1611	594.78	1.0		6	0.03	0.0						
1	Burns	Burns	916752		1819	594.79	1.1		1853	594.75	1.1		-34	0.04	0.0						
1	Burns	Burns	916647		1870	594.78	1.3		1911	594.74	1.3		-42	0.04	0.0						
1	Burns	Burns	916591		Bridge				Bridge					0	0.0						
1	Burns	Burns	916504		1870	594.77	1.2		1911	594.72	1.3		-41	0.05	0.0						
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916384		1871	594.76	1.2		1914	594.72	1.2		-43	0.04	0.0						
1	Burns	Burns	915170		1170	594.76	0.8		1217	594.72	0.8		-47	0.04	0.0						
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	913799		1075	594.75	0.7		1135	594.7	0.8		-60	0.05	-0.1						
1	Burns	Burns	912165		1356	594.72	0.8		1423	594.68	0.8		-67	0.04	0.0						
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	911500		2134	594.68	1.3		2237	594.62	1.4		-102	0.06	-0.1						
1	Burns	Burns	909818		3231	594.53	1.9		3303	594.47	2.0		-73	0.06	-0.1						
1	Burns	Burns	907147		5050	594.09	2.9		5013	594.02	2.9		38	0.07	0.0						
1	Burns	Burns	905522		5061	593.84	2.8		5064	593.78	2.8		-4	0.06	0.0						
1	Burns	Burns	905438		Bridge				Bridge					0	0.0						
1	Burns	Burns	905364		5056	593.8	2.8		5064	593.74	2.9		-8	0.06	0.0						
1	Burns	Burns	904862		5050	593.7	3.1		4988	593.63	3.1		62	0.07	0.0						
1	Burns	Burns	904213		5009	593.62	2.8		4980	593.55	2.8		29	0.07	0.0						
1	Burns	Burns	903765		4999	593.54	2.9		4934	593.47	2.8		65	0.07	0.0						
1	Burns	Burns	903487		4999	593.51	2.7		4932	593.44	2.7		68	0.07	0.0						
1	Burns	Burns	903304		Bridge				Bridge					0	0.0						
1	Burns	Burns	903222		4988	593.37	3.0		4919	593.31	3.0		69	0.06	0.0						
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	902545		4919	593.28	2.8		4911	593.22	2.8		9	0.06	0.0						
1	Burns	Burns	902215		4823	593.25	2.8		4820	593.18	2.8		3	0.07	0.0						
1	Burns	Burns	901966		4821	593.21	2.9		4813	593.14	2.9		8	0.07	0.0						
1	Burns	Burns	901643		4927	593.22	2.3		4916	593.15	2.3		10	0.07	0.0						
1	Burns	Burns	901478		Bridge				Bridge					0	0.0						
1	Burns	Burns	901218		4886	593.07	2.4		4844	593.01	2.4		42	0.06	0.0						
1	Burns	Burns	900573		4841	592.96	2.9		4798	592.9	2.9		43	0.06	0.0						
1	Burns	Burns	900081		4837	592.91	2.8		4757	592.85	2.8		80	0.06	0.0						
1	Burns	Burns	18866		4837	592.91	2.7		4758	592.84	2.7		79	0.07	0.0						
1	Burns	Burns	18616		4835	592.77	3.6		4749	592.71	3.6		86	0.06	0.1						
1	Burns	Burns	18571		Bridge				Bridge					0	0.0						
1	Burns	Burns	18530		4835	592.81	3.0		4749	592.74	3.0		85	0.07	0.0						
1	Burns	Burns	18529		4835	592.81	3.0		4749	592.74	3.0		86	0.07	0.0						
1	Burns	Burns	18452		Bridge				Bridge					0	0.0						
1	Burns	Burns	18365		4835	591.47	2.8		4748	591.41	2.8		86	0.06	0.0						
1	Burns	Burns	18249		4835	591.46	2.7		4748	591.4	2.6		87	0.06	0.0						
1	Burns	Burns	18079		5098	591.36	3.3		5012	591.3	3.2		86	0.06	0.0						
1	Burns	Burns	18078		5098	591.36	3.3		5012	591.3	3.2		86	0.06	0.0						
1	Burns	Burns	18017		Bridge				Bridge					0	0.0						
1	Burns	Burns	17972		5027	591.17	3.7		5008	591.1	3.7		19	0.07	0.0						
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	17309		5023	591.11	2.9		4934	591.04	2.8		89	0.07	0.0						
1	Burns	Burns	16898		4977	591.05	2.8		4933	590.99	2.7		44	0.06	0.0						
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	15741		4929	590.82	3.1		4876	590.76	3.1		53	0.06	0.0						
1	Burns	Burns	13924		4951	590.53	2.9		4855	590.48	2.9		96	0.05	0.0						
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	13011		4992	590.4	2.8		4893	590.35	2.7		99	0.05	0.0						
1	Burns	Burns	96 BurnsN5		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	12071		4989	590.26	2.9		4891	590.21	2.8		98	0.05	0.1						
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	10554		4986	590.1	2.3		4888	590.06	2.2		98	0.04	0.0						
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	9194		5014	589.95	2.3		4914	589.91	2.3		100	0.04	0.0						
1	Burns	Burns	7751		5013	589.81	2.3		4911	589.78	2.3		101	0.03	0.0						
1	Burns	Burns	7232		5003	589.76	2.2		4911	589.73	2.2		93	0.03	0.0						
1	Burns	Burns	5385		4993	589.56	2.3		4894	589.53	2.3		99	0.03	0.0						
1	Burns	Burns	4161		4915	589.4	2.6		4809	589.37	2.5		106	0.03	0.1						
1	Burns	Burns	3756		14042	588.66	4.6		13939	588.64	4.6		102	0.02	0.0						
1	Burns	Burns	3276		14042	588.42	5.1		13939	588.41	5.0		102	0.01	0.0						
1	Burns	Burns	2944		14122	588.18	5.6		14019	588.17	5.6		104	0.01	0.0						
1	Burns	Burns	2144		14122	588.27	2.1		14019	588.25	2.1		104	0.02	0.0						
1	Burns	Burns	1865		Bridge				Bridge					0	0.0						
1	Burns	Burns	1794		14122	587.12	6.1		14019	587.13	6.1		103	-0.01	0.0						
1	Burns	Burns	1793		14122	587.12	6.1		14019	587.13	6.1		103	-0.01	0.0						
1	Burns	Burns	1758		Bridge				Bridge					0	0.0						
1	Burns	Burns	1700		14122	586.56	7.3		14019	586.56	7.2		103	0	0.0						
1	Burns	Burns	1699		14122	586.56	7.3		14019	586.57	7.2		103	-0.01	0.1						
1	Burns	Burns	1634		Bridge				Bridge					0	0.0						
1	Burns	Burns	1579		14122	586.98	4.9		14019	586.97	4.9		103	0.01	0.0						
1	Burns	Burns	1518		14122	586.95	4.9		14019	586.95	4.8		103	0	0.0						
1	Burns	Burns	784		14122	586.64	4.8		14019	586.64	4.8		103	0	0.0						
1	Burns	Burns	682		14122	586.5	5.4		14019	586.5	5.3		103	0	0.1						
1	Burns	Burns	588		Bridge				Bridge					0	0.0						
1	Burns	Burns	532.1		14122	584.63	9.1		14019	584.6	9.0		103	0.03	0.0						
1	Burns	Burns	532		14122	584.91	8.0		14019	584.88	8.0		103	0.03	0.0						
1	Burns	Burns	100		14122	585.03	5.4		14019	585	5.4		103	0.03	0.0						
1	Burns	Burns	1		14122	582.93	6.0		14019	582.91	5.9		103	0.02	0.0						
1	Burns	Burns	0		477	581.1	0.0		476	581.1	0.0		1	0	0.0	1	106	-102	0.07	-0.01	0.1	-0.1

Proposed Project: Existing (impact of Lake Station Dam, RRd/s of Lake George, replace 3rd St over Lake George) compared to 2019 event conditions
Project Description: increase bridge capacities, replace Lake Station dam with a riffle
Project Location: Lake Station Dam, RR downstream of Lake George, 3rd St over lake George
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	negligible	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	negligible	negligible	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	negligible	negligible	up to + 0.6		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	+ 0.1	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	+ 0.2	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	+ 0.2	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	- 0.2	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	- 0.7 to - 1.1	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	- 0.6 to - 0.4	up to + 6%	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	up to - 0.5	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	up to - 0.2	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	up to + 0.2	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	up to - 0.4	up to + 5%	up to +0.5		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	up to -0.2	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	up to -0.1	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 8: PROJECT IMPACT SPREADSHEET FOR WISONCSIN STREET REPLACEMENT

paste model output results here - make sure same order and cross sections					EX100y96hARF				Wisconsin St project				Wisconsin St project - existing								
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl						
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.47	622.63	1.5		904.47	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		901.3	622.35	3.61		901.3	622.35	3.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072.1	622.15	2.98		1072.1	622.15	2.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1069.56	621.84	2.32		1069.56	621.84	2.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1067.95	621.57	1.93		1067.95	621.57	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1065.91	621.41	2.36		1065.91	621.41	2.36		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1063.69	621.1	3.3		1063.69	621.1	3.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062.15	620.82	2.78		1062.15	620.82	2.78		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1062.04	620.8	1.61		1062.04	620.8	1.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1062.38	620.78	1.28		1062.38	620.78	1.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1061.84	620.77	0.92		1061.84	620.77	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1062.11	620.76	0.4		1062.11	620.76	0.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1378.04	620.75	0.55		1378.04	620.75	0.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1378.05	620.71	1.79		1378.05	620.71	1.79		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1376.77	620.59	3.1		1376.77	620.59	3.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1369.04	619.75	4.28		1369.04	619.75	4.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1370.29	619.79	3.97		1370.29	619.79	3.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1371.41	619.87	3.09		1371.41	619.87	3.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.48	619.93	1.67		1372.48	619.93	1.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1372.35	619.94	1.1		1372.35	619.94	1.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372.31	619.94	1.03		1372.31	619.94	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.7	619.93	1.02		1372.7	619.93	1.02		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372.02	619.92	1.01		1372.02	619.92	1.01		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784.68	619.91	0.92		1784.68	619.91	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.18	619.9	0.89		1784.18	619.9	0.89		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.86	619.89	0.93		1784.86	619.89	0.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1785.05	619.88	0.94		1785.05	619.88	0.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.92	619.87	0.95		1784.92	619.87	0.95		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.71	619.86	1.16		1784.71	619.86	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1783.99	619.85	1.25		1783.99	619.85	1.25		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.03	619.83	1.43		1784.03	619.83	1.43		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784.21	619.83	1.5		1784.21	619.83	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1783.9	619.82	1.46		1783.9	619.82	1.46		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.29	619.8	1.54		1784.29	619.8	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1784.34	619.79	1.35		1784.34	619.79	1.35		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783.86	619.78	1.55		1783.86	619.78	1.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.25	619.76	1.54		1784.25	619.76	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1784.11	619.77	1.18		1784.11	619.77	1.18		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1784.05	619.76	1.06		1784.05	619.76	1.06		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.11	619.75	1.16		1784.11	619.75	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784.09	619.75	1.13		1784.09	619.75	1.13		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784.09	619.74	0.99		1784.09	619.74	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.54	619.74	1.14		1783.54	619.74	1.14		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.54	619.72	1.48		1783.54	619.72	1.48		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1783.53	619.7	1.74		1783.53	619.7	1.74		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1783.04	619.67	1.68		1783.04	619.67	1.68		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1784.16	619.66	1.63		1784.16	619.66	1.63		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1783.77	619.66	1.03		1783.77	619.66	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1783.28	619.66	0.58		1783.28	619.66	0.58		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.17	619.65	0.56		1784.17	619.65	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.3	619.65	0.71		1783.3	619.65	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.25	619.64	1.04		1783.25	619.64	1.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.01	619.64	0.77		1784.01	619.64	0.77		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1784.02	619.64	0.72		1784.02	619.64	0.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.54	619.63	0.56		1783.54	619.63	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.56	619.62	1.03		1783.56	619.62	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1784.04	619.61	1.15		1784.04	619.61	1.15		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1783.82	619.61	0.71		1783.82	619.61	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.91	619.61	0.97		1783.91	619.61	0.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783.37	619.59	1.44		1783.37	619.59	1.44		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.77	619.59	1.33		1783.77	619.59	1.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783.64	619.58	1.45		1783.64	619.58	1.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1783.21	619.55	1.26		1783.21	619.55	1.26		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783.6	619.55	1.21		1783.6	619.55	1.21		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23314		1783.69	619.5	1.72		1783.69	619.5	1.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783.38	619.47	1.4		1783.38	619.47	1.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783.19	619.45	1.85		1783.19	619.45	1.85		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.54	619.41	2.09		1783.54	619.41	2.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783.48	619.41	1.86		1783.48	619.41	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22731		1783.3	619.43	1.16		1783.3	619.43	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783.13	619.42	1.29		1783.13	619.42	1.29		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.58	619.41	1.22		1783.58	619.41	1.22		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1783.43	619.39	1.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783.21	619.33	2.45		1783.21	619.33	2.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.44	618.88	3.03		1783.44	618.88	3.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.46	618.86	3.41		1783.46	618.86	3.41		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.38	618.91	2.52		1783.38	618.91	2.52		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.53	618.94	1.94		1783.53	618.94	1.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.37	618.95	1.47		1783.37	618.95	1.47		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.46	618.92	1.86		1783.46	618.92	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.4	618.77	3.48		1783.4	618.77	3.48		0	0	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.4	618.58	3.98		1783.4	618.58	3.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.4	618.68	2.19		1783.4	618.68	2.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1783.3	618.65	1.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.3	618.63	0.99		1783.3	618.63	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.3	618.58	1.24		2193.3	618.58	1.24		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.48	618.52	1.93		2193.48	618.52	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.44	618.45	2.1		2193.44	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.45	618.36	2.29		2193.45	618.36	2.29		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.31	618.28	1.81		2193.31	618.28	1.81		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.41	618.21	2.67		2193.41	618.21	2.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2193.35	617.94	4.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.25	617.92	3.04		2193.25	617.92	3.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.28	617.26	6.7		2193.28	617.26	6.7		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.87	616.2	8.11		2192.87	616.2	8.11		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18578		2192.89	616.31	6.22		2192.89	616.31	6.22		0	0	0.0	17	0	0	0.00	0.00	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2192.86	615.44	5.41		2192.86	615.44	5.41		0	0	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.26	615.07	6.57		2192.26	615.07	6.57		0	0	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.47	614.84	5.71		2191.47	614.84	5.71		0	0	0.0							
16	TurkeyCreek	TurkeyCk	18032		2191.78	614.91	3.45		2191.78	614.91	3.45		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.36	614.82	2.9		2191.36	614.82	2.9		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.62	614.73	3.22		2191.62	614.73	3.22		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.02	614.65	2.35		2191.02	614.65	2.35		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.06	614.62	2.17		2191.06	614.62	2.17		0	0	0.0							
16	TurkeyCreek	TurkeyCk	16917		2190.9	614.59	1.22		2190.9	614.59	1.22		0	0	0.0							
16	TurkeyCreek	TurkeyCk	16494		2190.67	614.55	1.33		2190.67	614.55	1.33		0	0	0.0							
16	TurkeyCreek	TurkeyCk	16288		2190.66	614.51	1.57		2190.66	614.51	1.57		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15975		2190.82	614.47	1.54		2190.82	614.47	1.54		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15724		2190.4	614.4	2.08		2190.4	614.4	2.08		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15587		2392.18	614.36	1.94		2392.18	614.36	1.94		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15472		2388.08	614.28	2.83		2388.08	614.28	2.83		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15271		2389.59	614.26	1.78		2389.59	614.26	1.78		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15130		2388.09	614.24	1.54		2388.09	614.24	1.54		0	0	0.0							
16	TurkeyCreek	TurkeyCk	14901		2388.04	614.22	1.32		2388.04	614.22	1.32		0	0	0.0							
16	TurkeyCreek	TurkeyCk	14694		2385.82	614.2	1.43		2385.82	614.2	1.43		0	0	0.0							
16	TurkeyCreek	TurkeyCk	14500		2385.25	614.17	1.36		2385.25	614.17	1.36		0	0	0.0							
16	TurkeyCreek	TurkeyCk	14254		2384.85	614.16	0.9		2384.85	614.16	0.9		0	0	0.0							
16	TurkeyCreek	TurkeyCk	14081		2383.4	614.15	0.93		2383.4	614.15	0.93		0	0	0.0							
16	TurkeyCreek	TurkeyCk	13909		2384.37	614.14	1.07		2384.37	614.14	1.07		0	0	0.0							
16	TurkeyCreek	TurkeyCk	13580		2380.18	614.07	2.13		2380.18	614.07	2.13		0	0	0.0							
16	TurkeyCreek	TurkeyCk	13356		2376.93	614	2.13		2376.93	614	2.13		0	0	0.0							
16	TurkeyCreek	TurkeyCk	13150		2360.91	613.82	3.77		2360.91	613.82	3.77		0	0	0.0							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2312.9	613.53	4.12		2312.9	613.53	4.12		0	0	0.0							
16	TurkeyCreek	TurkeyCk	12967		2320.43	613.56	3.66		2320.43	613.56	3.66		0	0	0.0							
16	TurkeyCreek	TurkeyCk	12836		2316.48	613.54	2.82		2316.48	613.54	2.82		0	0	0.0							
16	TurkeyCreek	TurkeyCk	12718		2313.81	613.53	2.11		2313.81	613.53	2.11		0	0	0.0							
16	TurkeyCreek	TurkeyCk	12536		2310.53	613.51	1.63		2310.53	613.51	1.63		0	0	0.0							
16	TurkeyCreek	TurkeyCk	12244		2305.01	613.46	1.77		2305.01	613.46	1.77		0	0	0.0							
16	TurkeyCreek	TurkeyCk	11927		2299.09	613.39	2.01		2299.09	613.39	2.01		0	0	0.0							
16	TurkeyCreek	TurkeyCk	11687		2291.83	613.36	1.59		2291.83	613.36	1.59		0	0	0.0							
16	TurkeyCreek	TurkeyCk	11449		2285.71	613.32	1.46		2285.71	613.32	1.46		0	0	0.0							
16	TurkeyCreek	TurkeyCk	11232		2274.77	613.19	2.95		2274.77	613.19	2.95		0	0	0.0							
16	TurkeyCreek	TurkeyCk	11119		2253.59	613.02	3.73		2253.59	613.02	3.73		0	0	0.0							
16	TurkeyCreek	TurkeyCk	11013		2239.62	612.77	5.03		2239.62	612.77	5.03		0	0	0.0							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2189.15	612.45	5.63		2189.15	612.45	5.63		0	0	0.0							
16	TurkeyCreek	TurkeyCk	10905		2175.11	612.36	5.71		2175.11	612.36	5.71		0	0	0.0							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2167.85	612.33	4.09		2167.85	612.33	4.09		0	0	0.0							
16	TurkeyCreek	TurkeyCk	10552		2116.96	612.02	5.29		2116.96	612.02	5.29		0	0	0.0							
16	TurkeyCreek	TurkeyCk	10251		2111.35	611.96	1.17		2111.35	611.96	1.17		0	0	0.0							
16	TurkeyCreek	TurkeyCk	9979		2104.72	611.92	1.32		2104.72	611.92	1.32		0	0	0.0							
16	TurkeyCreek	TurkeyCk	9783		2104.61	611.92	1.01		2104.61	611.92	1.01		0	0	0.0							
16	TurkeyCreek	TurkeyCk	9526		2097	611.86	1.92		2097	611.86	1.92		0	0	0.0							
16	TurkeyCreek	TurkeyCk	9168		2089.05	611.79	1.96		2089.05	611.79	1.96		0	0	0.0							
16	TurkeyCreek	TurkeyCk	8838		2087	611.76	0.97		2087	611.76	0.97		0	0	0.0							
16	TurkeyCreek	TurkeyCk	8503		2082.6	611.73	1.16		2082.6	611.73	1.16		0	0	0.0							
16	TurkeyCreek	TurkeyCk	8221		2080.22	611.72	1.01		2080.22	611.72	1.01		0	0	0.0							
16	TurkeyCreek	TurkeyCk	8013		2082.65	611.72	0.8		2082.65	611.72	0.8		0	0	0.0							
16	TurkeyCreek	TurkeyCk	7673		2077.9	611.7	1.05		2077.9	611.7	1.05		0	0	0.0							
16	TurkeyCreek	TurkeyCk	7223		2076.88	611.67	1.41		2076.88	611.67	1.41		0	0	0.0							
16	TurkeyCreek	TurkeyCk	6947		2070.97	611.63	1.76		2070.97	611.63	1.76		0	0	0.0							
16	TurkeyCreek	TurkeyCk	6829		2070.65	611.62	1.7		2070.65	611.62	1.7		0	0	0.0							
16	TurkeyCreek	TurkeyCk	6686		2063.34	611.53	2.61		2063.34	611.53	2.61		0	0	0.0	16	0	0	0.00	0.00	0.0	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2055.18	611.51	2.03		2055.18	611.51	2.03		0	0	0.0							
9	TurkeyCreek	TurkeyCk	6407		2057.93	611.49	1.43		2057.93	611.49	1.43		0	0	0.0							
9	TurkeyCreek	TurkeyCk	6204		2051.55	611.44	2.01		2051.55	611.44	2.01		0	0	0.0							
9	TurkeyCreek	TurkeyCk	5151		2034.09	611.25	0.69		2034.09	611.25	0.69		0	0	0.0							
9	TurkeyCreek	TurkeyCk	2193		2024.59	611.18	0.51		2024.59	611.18	0.51		0	0	0.0							
9	TurkeyCreek	TurkeyCk	500		2169.73	611.16	0.29		2169.73	611.16	0.29		0	0	0.0							
9	TurkeyCreek	TurkeyCk	50		2171.38	611.15	0.39		2171.38	611.15	0.39		0	0	0.0	9	0	0	0.00	0.00	0.0	0.0
2	LCal	LCal	2575		155.63	595.18	0.06		155.63	595.18	0.06		0	0	0.0							
2	LCal	LCal	2359		154.3	595.18	0.05		154.3	595.18	0.05		0	0	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.91	595.18	0.05		153.91	595.18	0.05		0	0	0.0							
2	LCal	LCal	2172		153.33	595.18	0.05		153.33	595.18	0.05		0	0	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.98	595.14	0.09		116.98	595.14	0.09		0	0	0.0							
2	LCal	LCal	1559		118.55	595.14	0.1		118.55	595.14	0.1		0	0	0.0							
2	LCal	LCal	1414		116.24	595.14	0.15		116.24	595.14	0.15		0	0	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		102.45	595.11	0.09		102.45	595.11	0.09		0	0	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		145.39	595.11	0.16		145.39	595.11	0.16		0	0	0.0							
2	LCal	LCal	173		178.24	595.1	0.23		178.24	595.1	0.23		0	0	0.0	2	0	0	0.00	0.00	0.0	0.0
21	Duck Ck	DuckCk	20671		428.89	616.21	1.74		428.89	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.88	616.04	1.97		428.88	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.87	615.82	2.37		428.87	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.87	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.86	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.83	615.12	1.81		428.83	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.85	614.9	2		428.85	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.76	614.07	2.04		428.76	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.73	613.87	1.73		428.73	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.5	613.22	2.37		428.5	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.97	612.74	1.96		427.97	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		426.88	612.26	1.91		426.88	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.77	612.12	1.37		426.77	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.23	611.94	1.51		426.23	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		426.02	611.82	1.43		426.02	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.83	611.74	1.01		425.83	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.52	611.62	1.92		425.52	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.99	611.21	2.51		423.99	611.21	2.51		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.21	611.09	1.98		423.21	611.09	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15534		422.15	610.86	1.98		422.15	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.39	610.72	1.29		421.39	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		421.01	610.62	1.32		421.01	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.75	610.57	0.84		420.75	610.57	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14584		420.49	610.54	0.85		420.49	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.25	610.5	0.85		420.25	610.5	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14091		420.17	610.41	1.56		420.17	610.41	1.56		0	0	0.0	21	0	0	0.00	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.56	610	1.62		419.56	610	1.62		0	0	0.0							
20	Duck Ck	DuckCk	13704		418.86	609.87	1.44		418.86	609.87	1.44		0	0	0.0							
20	Duck Ck	DuckCk	13464		418.32	609.77	1.27		418.32	609.77	1.27		0	0	0.0							
20	Duck Ck	DuckCk	13279		418.34	609.73	0.78		418.34	609.73	0.78		0	0	0.0							
20	Duck Ck	DuckCk	12964		581.53	609.68	1.04		581.53	609.68	1.04		0	0	0.0							
20	Duck Ck	DuckCk	12613		580.8	609.61	1.05		580.8	609.61	1.05		0	0	0.0							
20	Duck Ck	DuckCk	12306		583.33	609.57	0.78		583.33	609.57	0.78		0	0	0.0							
20	Duck Ck	DuckCk	11932		586.77	609.52	0.9		586.77	609.52	0.9		0	0	0.0							
20	Duck Ck	DuckCk	11876		586.78	609.5	1.15		586.78	609.5	1.15		0	0	0.0							
20	Duck Ck	DuckCk	11801		588.04	609.5	0.86		588.04	609.5	0.86		0	0	0.0							
20	Duck Ck	DuckCk	11485		590.91	609.47	0.8		590.91	609.47	0.8		0	0	0.0							
20	Duck Ck	DuckCk	10998		595.71	609.41	0.95		595.71	609.41	0.95		0	0	0.0							
20	Duck Ck	DuckCk	10813		596.99	609.4	0.72		596.99	609.4	0.72		0	0	0.0							
20	Duck Ck	DuckCk	10553		599.49	609.38	0.77		599.49	609.38	0.77		0	0	0.0							
20	Duck Ck	DuckCk	10293		601.6	609.36	0.84		601.6	609.36	0.84		0	0	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		602.07	609.33	0.68		602.07	609.33	0.68		0	0	0.0							
20	Duck Ck	DuckCk	9854		605.88	609.31	0.77		605.88	609.31	0.77		0	0	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		609.83	609.28	0.8		0	0	0.0							
20	Duck Ck	DuckCk	9287		612.11	609.27	0.56		612.11	609.27	0.56		0	0	0.0							
20	Duck Ck	DuckCk	9053		614.36	609.25	0.7		614.36	609.25	0.7		0	0	0.0							
20	Duck Ck	DuckCk	8833		616.87	609.24	0.62		616.87	609.24	0.62		0	0	0.0							
20	Duck Ck	DuckCk	8619		820.14	609.22	1.03		820.14	609.22	1.03		0	0	0.0							
20	Duck Ck	DuckCk	8373		823.2	609.2	0.55		823.2	609.2	0.55		0	0	0.0							
20	Duck Ck	DuckCk	8099		825.87	609.19	0.36		825.87	609.19	0.36		0	0	0.0							
20	Duck Ck	DuckCk	7623		829.27	609.19	0.43		829.27	609.19	0.43		0	0	0.0							
20	Duck Ck	DuckCk	7254		833.05	609.17	0.56		833.05	609.17	0.56		0	0	0.0							
20	Duck Ck	DuckCk	6856		836.74	609.16	0.46		836.74	609.16	0.46		0	0	0.0							
20	Duck Ck	DuckCk	6359		841.57	609.14	0.73		841.57	609.14	0.73		0	0	0.0							
20	Duck Ck	DuckCk	6163		843.64	609.14	0.6		843.64	609.14	0.6		0	0	0.0							
20	Duck Ck	DuckCk	5848		848.4	609.13	0.27		848.4	609.13	0.27		0	0	0.0							
20	Duck Ck	DuckCk	5638		852.07	609.13	0.37		852.07	609.13	0.37		0	0	0.0							
20	Duck Ck	DuckCk	5361		854.61	609.12	0.77		854.61	609.12	0.77		0	0	0.0							
20	Duck Ck	DuckCk	4639		861.86	609.1	0.43		861.86	609.1	0.43		0	0	0.0							
20	Duck Ck	DuckCk	4257		866.49	609.09	0.42		866.49	609.09	0.42		0	0	0.0							
20	Duck Ck	DuckCk	4109		868.18	609.09	0.35		868.18	609.09	0.35		0	0	0.0							
20	Duck Ck	DuckCk	3892		870.19	609	2.63		870.19	609	2.63		0	0	0.0	20	0	0	0.00	0.00	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		866.25	608.54	2.71		866.25	608.54	2.71		0	0	0.0							
19	Duck Ck	DuckCk	3668		868.32	608.57	0.77		868.32	608.57	0.77		0	0	0.0							
19	Duck Ck	DuckCk	3440		870.19	608.56	0.5		870.19	608.56	0.5		0	0	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		718.92	606.86	2.02		718.92	606.86	2.02		0	0	0.0							
19	Duck Ck	DuckCk	3342		715.14	606.76	3.36		715.14	606.76	3.36		0	0	0.0	19	0	0	0.00	0.00	0.0	0.0
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.23	606.06	4.11		681.23	606.06	4.11		0	0	0.0							
18	Duck Ck	DuckCk	3203		686.71	606.19	1.56		686.71	606.19	1.56		0	0	0.0							
18	Duck Ck	DuckCk	3126		687.5	606.17	1.02		687.5	606.17	1.02		0	0	0.0							
18	Duck Ck	DuckCk	2965		688	606.15	1		688	606.15	1		0	0	0.0							
18	Duck Ck	DuckCk	2849		688.33	606.13	0.98		688.33	606.13	0.98		0	0	0.0							
18	Duck Ck	DuckCk	2794		686.93	606.12	1.03		686.93	606.12	1.03		0	0	0.0							
18	Duck Ck	DuckCk	2687		688.04	606.11	0.87		688.04	606.11	0.87		0	0	0.0							
18	Duck Ck	DuckCk	2524		690.01	606.09	0.89		690.01	606.09	0.89		0	0	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.23	606.08	0.85		688.23	606.08	0.85		0	0	0.0							
18	Duck Ck	DuckCk	2183		690.45	606.05	0.91		690.45	606.05	0.91		0	0	0.0							
18	Duck Ck	DuckCk	2053		691.95	606.03	0.87		691.95	606.03	0.87		0	0	0.0							
18	Duck Ck	DuckCk	1765		691.38	605.98	1.12		691.38	605.98	1.12		0	0	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		668.04	605.49	0.88		668.04	605.49	0.88		0	0	0.0							
18	Duck Ck	DuckCk	1358		668.96	605.48	0.81		668.96	605.48	0.81		0	0	0.0							
18	Duck Ck	DuckCk	960		672.71	605.47	0.5		672.71	605.47	0.5		0	0	0.0							
18	Duck Ck	DuckCk	792		675.58	605.47	0.36		675.58	605.47	0.36		0	0	0.0							
18	Duck Ck	DuckCk	572		673.71	605.43	1.3		673.71	605.43	1.3		0	0	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		668.58	605.33	0.97		668.58	605.33	0.97		0	0	0.0							
18	Duck Ck	DuckCk	264		669.03	605.33	0.79		669.03	605.33	0.79		0	0	0.0	18	0	0	0.00	0.00	0.0	0.0
15	Deep	JSLakeGeorg	124902		115.04	687.36	0.47		115.04	687.36	0.47		0	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.82	687.29	0.76		201.82	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.52	687.23	0.65		153.52	687.23	0.65		0	0	0.0							
15	Deep	JSLakeGeorg	123542		152.77	687.19	0.71		152.77	687.19	0.71		0	0	0.0							
15	Deep	JSLakeGeorg	123075		124.25	687.15	0.54		124.25	687.15	0.54		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.17	687.14	0.09		53.17	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.92	687.14	0.08		43.92	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.89	687.13	0.1		43.89	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.05	687.13	0.11		45.05	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.18	687.13	0.17		45.18	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.5	687.13	0.17		40.5	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.43	687.12	0.17		40.43	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.23	687.11	0.6		248.23	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.27	687.08	1.04		248.27	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	120543		165.61	687.09	0.58		165.61	687.09	0.58		0	0	0.0							
15	Deep	JSLakeGeorg	120117		165.57	687.04	0.73		165.57	687.04	0.73		0	0	0.0							
15	Deep	JSLakeGeorg	119813		166.41	687.01	0.57		166.41	687.01	0.57		0	0	0.0							
15	Deep	JSLakeGeorg	119448		229.81	686.93	0.95		229.81	686.93	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	119071		263.63	686.81	1.11		263.63	686.81	1.11		0	0	0.0							
15	Deep	JSLakeGeorg	118751		262.97	686.71	1.13		262.97	686.71	1.13		0	0	0.0							
15	Deep	JSLakeGeorg	118584		262.57	686.64	1.21		262.57	686.64	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	118525		262.29	686.62	1.19		262.29	686.62	1.19		0	0	0.0							
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	118358		269.61	686.57	1.08		269.61	686.57	1.08		0	0	0.0							
15	Deep	JSLakeGeorg	117980		268.83	686.47	1.02		268.83	686.47	1.02		0	0	0.0							
15	Deep	JSLakeGeorg	117631		267.96	686.35	1.15		267.96	686.35	1.15		0	0	0.0							
15	Deep	JSLakeGeorg	117334		265.99	686.26	0.99		265.99	686.26	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		260.19	686.14	1.2		0	0	0.0							
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116736		253.57	686.04	1.13		253.57	686.04	1.13		0	0	0.0							
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116585		244.71	685.95	1.34		244.71	685.95	1.34		0	0	0.0							
15	Deep	JSLakeGeorg	116289		233.22	685.83	1.02		233.22	685.83	1.02		0	0	0.0							
15	Deep	JSLakeGeorg	115998		220.88	685.74	1.07		220.88	685.74	1.07		0	0	0.0							
15	Deep	JSLakeGeorg	115832		217.24	685.71	0.88		217.24	685.71	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.72	685.71	0.77		218.72	685.71	0.77		0	0	0.0							
15	Deep	JSLakeGeorg	115310		212.64	685.66	0.81		212.64	685.66	0.81		0	0	0.0							
15	Deep	JSLakeGeorg	114871		279.48	685.57	0.95		279.48	685.57	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	114397		277.2	685.47	1		277.2	685.47	1		0	0	0.0							
15	Deep	JSLakeGeorg	113918		328.87	685.23	1.47		328.87	685.23	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	113720		332.88	685.14	1.36		332.88	685.14	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.28	685.1	1.28		332.28	685.1	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	113233		338.51	684.98	1.92		338.51	684.98	1.92		0	0	0.0							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.34	684.94	1.45		338.34	684.94	1.45		0	0	0.0							
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	112472		353.43	684.83	1.44		353.43	684.83	1.44		0	0	0.0							
15	Deep	JSLakeGeorg	111932		367.04	684.6	1.49		367.04	684.6	1.49		0	0	0.0							
15	Deep	JSLakeGeorg	111538		375.52	684.37	1.48		375.52	684.37	1.48		0	0	0.0							
15	Deep	JSLakeGeorg	111058		387.33	684.02	1.58		387.33	684.02	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110793		394.8	683.88	1.05		394.8	683.88	1.05		0	0	0.0							
15	Deep	JSLakeGeorg	110465		404.54	683.71	1.47		404.54	683.71	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	110181		412.79	683.58	1.58		412.79	683.58	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.02	683.58	1.4		413.02	683.58	1.4		0	0	0.0							
15	Deep	JSLakeGeorg	110128		413.06	683.58	1.41		413.06	683.58	1.41		0	0	0.0							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.06	683.57	1.24		413.06	683.57	1.24		0	0	0.0							
15	Deep	JSLakeGeorg	109523		429.32	683.42	1.34		429.32	683.42	1.34		0	0	0.0							
15	Deep	JSLakeGeorg	109022		444.23	683.24	1.22		444.23	683.24	1.22		0	0	0.0							
15	Deep	JSLakeGeorg	108612		457.33	683.03	1.62		457.33	683.03	1.62		0	0	0.0							
15	Deep	JSLakeGeorg	108112		472.97	682.77	1.38		472.97	682.77	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107495		492.77	682.54	1.37		492.77	682.54	1.37		0	0	0.0							
15	Deep	JSLakeGeorg	107156		503.38	682.42	1.36		503.38	682.42	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	106585		503.53	682.3	0.91		503.53	682.3	0.91		0	0	0.0							
15	Deep	JSLakeGeorg	106334		503.36	682.22	1.27		503.36	682.22	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	105956		503.41	682.09	1.28		503.41	682.09	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	105573		503.39	681.91	1.59		503.39	681.91	1.59		0	0	0.0							
15	Deep	JSLakeGeorg	105254		561.1	681.84	0.88		561.1	681.84	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		561.25	681.63	0.99		561.25	681.63	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	104691		561.08	681.58	1.16		561.08	681.58	1.16		0	0	0.0							
15	Deep	JSLakeGeorg	104222		560.65	681.46	1.28		560.65	681.46	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	104061		560.67	681.42	1.39		560.67	681.42	1.39		0	0	0.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		559.86	680.91	1.36		559.86	680.91	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	103528		559.81	680.78	1.54		559.81	680.78	1.54		0	0	0.0							
15	Deep	JSLakeGeorg	103234		559.39	680.69	1.21		559.39	680.69	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	102805		644.33	680.51	1.65		644.33	680.51	1.65		0	0	0.0							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.33	680.28	2.03		0	0	0.0							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.51	679.44	1.79		644.51	679.44	1.79		0	0	0.0							
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	101538		644.35	679.05	2.2		644.35	679.05	2.2		0	0	0.0							
15	Deep	JSLakeGeorg	100981		643.15	678.5	1.95		643.15	678.5	1.95		0	0	0.0							
15	Deep	JSLakeGeorg	100383		359.16	678.32	0.78		359.16	678.32	0.78		0	0	0.0							
15	Deep	JSLakeGeorg	99713		354.83	678.24	0.85		354.83	678.24	0.85		0	0	0.0							
15	Deep	JSLakeGeorg	99064		411.77	678.16	0.93		411.77	678.16	0.93		0	0	0.0							
15	Deep	JSLakeGeorg	98521		315.78	678.12	0.64		315.78	678.12	0.64		0	0	0.0							
15	Deep	JSLakeGeorg	97818		917.15	677.96	1.87		917.15	677.96	1.87		0	0	0.0	15	0	0	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.85	677.53	1.88		917.85	677.53	1.88		0	0	0.0							
14	Deep	JSLakeGeorg	96861		917.51	677.47	0.91		917.51	677.47	0.91		0	0	0.0							
14	Deep	JSLakeGeorg	96112		1063.87	677.21	1.53		1063.87	677.21	1.53		0	0	0.0							
14	Deep	JSLakeGeorg	95541		1058.47	676.7	2.45		1058.47	676.7	2.45		0	0	0.0							
14	Deep	JSLakeGeorg	95034		942.88	676.3	1.89		942.88	676.3	1.89		0	0	0.0							
14	Deep	JSLakeGeorg	94436		914.49	675.88	2.16		914.49	675.88	2.16		0	0	0.0							
14	Deep	JSLakeGeorg	93802		878.13	675.55	1.71		878.13	675.55	1.71		0	0	0.0							
14	Deep	JSLakeGeorg	93297		868.35	675.38	1.26		868.35	675.38	1.26		0	0	0.0							
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	JSLakeGeorg	92606		1130.88	675.17	1.37		1130.88	675.17	1.37		0	0	0.0							
14	Deep	JSLakeGeorg	91967		1130.79	675.04	1.34		1130.79	675.04	1.34		0	0	0.0							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.05	674.92	1.96		1131.05	674.92	1.96		0	0	0.0							
14	Deep	JSLakeGeorg	91400		1135.16	674.67	2.15		1135.16	674.67	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	90843		1141.12	674.47	0.81		1141.12	674.47	0.81		0	0	0.0							
14	Deep	JSLakeGeorg	90268		1147.12	674.24	1.86		1147.12	674.24	1.86		0	0	0.0							
14	Deep	JSLakeGeorg	89708		1153.25	673.92	1.98		1153.25	673.92	1.98		0	0	0.0							
14	Deep	JSLakeGeorg	89139		1159.25	673.73	1.4		1159.25	673.73	1.4		0	0	0.0							
14	Deep	JSLakeGeorg	88645		1164.15	673.51	1.74		1164.15	673.51	1.74		0	0	0.0							
14	Deep	JSLakeGeorg	88132		1169.57	673.19	2.15		1169.57	673.19	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	87170		1179.79	672.56	2.05		1179.79	672.56	2.05		0	0	0.0							
14	Deep	JSLakeGeorg	86814		1183.38	672.29	2.3		1183.38	672.29	2.3		0	0	0.0							
14	Deep	JSLakeGeorg	86497		1187.08	672.16	1.27		1187.08	672.16	1.27		0	0	0.0							
14	Deep	JSLakeGeorg	86248		1189.79	671.99	2.15		1189.79	671.99	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	85858		1193.37	671.66	2.22		1193.37	671.66	2.22		0	0	0.0							
14	Deep	JSLakeGeorg	85406		1197.95	671.33	2.19		1197.95	671.33	2.19		0	0	0.0							

14	Deep	JSLakeGeorg	84957		1202.29	670.93	2.57		1202.29	670.93	2.57		0	0	0.0						
14	Deep	JSLakeGeorg	84375		1208.06	670.3	3		1208.06	670.3	3		0	0	0.0						
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0						
14	Deep	JSLakeGeorg	84262		1208.22	670.19	3.16		1208.22	670.19	3.16		0	0	0.0						
14	Deep	JSLakeGeorg	83723		1213.86	669.85	1.84		1213.86	669.85	1.84		0	0	0.0						
14	Deep	JSLakeGeorg	83093		1220.34	669.47	1.73		1220.34	669.47	1.73		0	0	0.0						
14	Deep	JSLakeGeorg	82750		1223.97	669.28	1.85		1223.97	669.28	1.85		0	0	0.0						
14	Deep	JSLakeGeorg	82364		1227.61	669.04	2.03		1227.61	669.04	2.03		0	0	0.0						
14	Deep	JSLakeGeorg	81844		1232.91	668.84	1		1232.91	668.84	1		0	0	0.0						
14	Deep	JSLakeGeorg	81294		1238.58	668.73	0.97		1238.58	668.73	0.97		0	0	0.0						
14	Deep	JSLakeGeorg	80717		1244.8	668.43	2.09		1244.8	668.43	2.09		0	0	0.0						
14	Deep	JSLakeGeorg	80186		1250.16	668.03	2.33		1250.16	668.03	2.33		0	0	0.0						
14	Deep	JSLakeGeorg	79604		1256.28	667.68	2.06		1256.28	667.68	2.06		0	0	0.0						
14	Deep	JSLakeGeorg	79148		1260.23	667.42	1.93		1260.23	667.42	1.93		0	0	0.0						
14	Deep	JSLakeGeorg	78803		1259.75	667.15	2.47		1259.75	667.15	2.47		0	0	0.0						
14	Deep	JSLakeGeorg	78407		1258.2	666.87	2.22		1258.2	666.87	2.22		0	0	0.0	14	0	0	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	78285		1256.43	666.7	2.69		1256.43	666.7	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	77848		1253.41	666.44	2.12		1253.41	666.44	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	77566		1248.89	666.25	1.96		1248.89	666.25	1.96		0	0	0.0						
13	Deep	JSLakeGeorg	77073		1436.77	665.89	2.03		1436.77	665.89	2.03		0	0	0.0						
13	Deep	JSLakeGeorg	76478		1436.64	665.58	1.69		1436.64	665.58	1.69		0	0	0.0						
13	Deep	JSLakeGeorg	76044		1440.09	665.45	1.36		1440.09	665.45	1.36		0	0	0.0						
13	Deep	JSLakeGeorg	75777		1442.33	665.35	1.64		1442.33	665.35	1.64		0	0	0.0						
13	Deep	JSLakeGeorg	75408		1445.41	665.22	1.44		1445.41	665.22	1.44		0	0	0.0						
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	75316		1445.46	665.16	1.42		1445.46	665.16	1.42		0	0	0.0						
13	Deep	JSLakeGeorg	74938		1448.91	664.88	2.42		1448.91	664.88	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.37	664.6	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74229		1434.9	664.37	1.72		1434.9	664.37	1.72		0	0	0.0						
13	Deep	JSLakeGeorg	73723		1434.3	663.89	2.84		1434.3	663.89	2.84		0	0	0.0						
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0						
13	Deep	JSLakeGeorg	73616		1331.32	663.83	2.5		1331.32	663.83	2.5		0	0	0.0						
13	Deep	JSLakeGeorg	73500		1326.74	663.76	2.34		1326.74	663.76	2.34		0	0	0.0						
13	Deep	JSLakeGeorg	72900		1516.57	663.16	2.1		1516.57	663.16	2.1		0	0	0.0						
13	Deep	JSLakeGeorg	72028		1516.41	662.28	2.53		1516.41	662.28	2.53		0	0	0.0						
13	Deep	JSLakeGeorg	71320		1516.5	661.73	1.46		1516.5	661.73	1.46		0	0	0.0						
13	Deep	JSLakeGeorg	71053		1516.42	661.62	2.25		1516.42	661.62	2.25		0	0	0.0						
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	70937		1516.63	661.38	3.21		1516.63	661.38	3.21		0	0	0.0						
13	Deep	JSLakeGeorg	70139		1516.28	660.86	1.97		1516.28	660.86	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	69435		1515.96	660.28	0.95		1515.96	660.28	0.95		0	0	0.0						
13	Deep	JSLakeGeorg	68193		1513.99	659.83	1.55		1513.99	659.83	1.55		0	0	0.0						
13	Deep	JSLakeGeorg	66864		1740.52	659.03	1.81		1740.52	659.03	1.81		0	0	0.0						
13	Deep	JSLakeGeorg	66388		1751.22	658.65	1.7		1751.22	658.65	1.7		0	0	0.0						
13	Deep	JSLakeGeorg	65488		1768.09	657.5	2.69		1768.09	657.5	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	64654		1782.76	656.2	2.21		1782.76	656.2	2.21		0	0	0.0						
13	Deep	JSLakeGeorg	63857		1799.27	655.26	1.78		1799.27	655.26	1.78		0	0	0.0						
13	Deep	JSLakeGeorg	63247		1811.49	654.81	1.59		1811.49	654.81	1.59		0	0	0.0						
13	Deep	JSLakeGeorg	62532		1824.47	654.54	0.65		1824.47	654.54	0.65		0	0	0.0						
13	Deep	JSLakeGeorg	62169		1833.35	654.35	3.23		1833.35	654.35	3.23		0	0	0.0						
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	62050		1833.92	654.31	3.2		1833.92	654.31	3.2		0	0	0.0						
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.38	654.04	1.91		0	0	0.0						
13	Deep	JSLakeGeorg	61270		1850.3	653.64	1.97		1850.3	653.64	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	61156		1853.47	653.47	1.88		1853.47	653.47	1.88		0	0	0.0						
13	Deep	JSLakeGeorg	60978		1858.88	653.25	1.52		1858.88	653.25	1.52		0	0	0.0						
13	Deep	JSLakeGeorg	60509		1870.3	652.75	2.02		1870.3	652.75	2.02		0	0	0.0						
13	Deep	JSLakeGeorg	59758		1882.62	651.82	2.43		1882.62	651.82	2.43		0	0	0.0						
13	Deep	JSLakeGeorg	58574		1899.07	650.7	1.92		1899.07	650.7	1.92		0	0	0.0						
13	Deep	JSLakeGeorg	57350		1918.61	649.76	2.04		1918.61	649.76	2.04		0	0	0.0						
13	Deep	JSLakeGeorg	56397		1935.69	648.74	2.2		1935.69	648.74	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	55724		1950.5	648.02	1.68		1950.5	648.02	1.68		0	0	0.0						
13	Deep	JSLakeGeorg	54755		1966.53	647.32	1.87		1966.53	647.32	1.87		0	0	0.0						
13	Deep	JSLakeGeorg	53123		1987.8	646.51	1.51		1987.8	646.51	1.51		0	0	0.0						
13	Deep	JSLakeGeorg	52077		2007.48	646.08	1.37		2007.48	646.08	1.37		0	0	0.0						
13	Deep	JSLakeGeorg	51203		2023.6	645.49	2.18		2023.6	645.49	2.18		0	0	0.0						
13	Deep	JSLakeGeorg	50734		2021.83	645.02	2.05		2021.83	645.02	2.05		0	0	0.0						
13	Deep	JSLakeGeorg	50234		2306.95	644.53	2.58		2306.95	644.53	2.58		0	0	0.0						
13	Deep	JSLakeGeorg	49556		2306.69	643.78	2.12		2306.69	643.78	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	48301		2306.43	642.98	1.76		2306.43	642.98	1.76		0	0	0.0						
13	Deep	JSLakeGeorg	47270		2306.24	642.25	2.2		2306.24	642.25	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	46606		2306.01	641.69	3.42		2306.01	641.69	3.42		0	0	0.0	13	0	0	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	46376		2306.09	641.2	3.33		2306.09	641.2	3.33		0	0	0.0						
12	Deep	JSLakeGeorg	45906		2305.89	640.92	2.11		2305.89	640.92	2.11		0	0	0.0						
12	Deep	JSLakeGeorg	45247		2313.88	639.84	2.9		2313.88	639.84	2.9		0	0	0.0						
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.87	638.7	3.02		0	0	0.0						
12	Deep	JSLakeGeorg	44232		2325.29	637.66	3.2		2325.29	637.66	3.2		0	0	0.0						
12	Deep	JSLakeGeorg	43908		2329.41	637	3.76		2329.41	637	3.76		0	0	0.0						
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43837		2329.91	636.63	5.07		2329.91	636.63	5.07		0	0	0.0						
12	Deep	JSLakeGeorg	43461		2334.43	636.09	5.08		2334.43	636.09	5.08		0	0	0.0						
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43390		2334.74	636.08	4.73		2334.74	636.08	4.73		0	0	0.0						
12	Deep	JSLakeGeorg	43242		2335.58	635.82	3.64		2335.58	635.82	3.64		0	0	0.0						
12	Deep	JSLakeGeorg	43046		2337.5	635.29	3.07		2337.5	635.29	3.07		0	0	0.0						
12	Deep	JSLakeGeorg	43012		2338.32	635.12	4.42		2338.32	635.12	4.42		0	0	0.0						
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	42973		2338.71	635.12	3.42		2338.71	635.12	3.42		0	0	0.0						
12	Deep	JSLakeGeorg	42477		2341.55	634.79	2.45		2341.55	634.79	2.45		0	0	0.0						
12	Deep	JSLakeGeorg	41418		2351.63	634.04	0.56		2351.63	634.04	0.56		0	0	0.0						
12	Deep	JSLakeGeorg	39881		2362.59	633.36	2.16		2362.59	633.36	2.16		0	0	0.0						
12	Deep	JSLakeGeorg	39554		2366.79	633.04	1.62		2366.79	633.04	1.62		0	0	0.0						
12	Deep	JSLakeGeorg	38999		2371.76	632.77	1.67		2371.76	632.77	1.67		0	0	0.0						
12	Deep	JSLakeGeorg	38116		2379.26	632.39	1.57		2379.26	632.39	1.57		0	0	0.0						
12	Deep	JSLakeGeorg	37703		2384.7	632.03	4.29		2384.7	632.03	4.29		0	0	0.0						
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0						
12	Deep	JSLakeGeorg	37554		2384.19	629.91	4.81		2384.19	629.91	4.81		0	0	0.0						
12	Deep	JSLakeGeorg	36999		2391.19	629.33	2.2		2391.19	629.33	2.2		0	0	0.0						
12	Deep	JSLakeGeorg	36181		2399.62	628.19	2.31		2399.62	628.19	2.31		0	0	0.0						
12	Deep	JSLakeGeorg	35034		2406.86	627.21	2.07		2406.86	627.21	2.07		0	0	0.0						
12	Deep	JSLakeGeorg	34012		2415.24	626.27	2.17		2415.24	626.27	2.17		0	0	0.0						
12	Deep	JSLakeGeorg	33338		2421.64	625.71	1.52		2421.64	625.71	1.52		0	0	0.0						
12	Deep	JSLakeGeorg	32345		2429.27	625.16	2.88		2429.27	625.16	2.88		0	0	0.0						
12	Deep	JSLakeGeorg	31526		2438.57	624.62	3.12		2438.57	624.62	3.12		0	0	0.0						
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0						

12	Deep	USLakeGeorg	31444		2438.93	624.18	4.62		2438.93	624.18	4.62		0	0	0.0							
12	Deep	USLakeGeorg	30859		2444.98	623.78	1.85		2444.98	623.78	1.85		0	0	0.0							
12	Deep	USLakeGeorg	30141		2452.22	623.29	1.41		2452.22	623.29	1.41		0	0	0.0							
12	Deep	USLakeGeorg	28772		2464.22	622.22	1.84		2464.22	622.22	1.84		0	0	0.0							
12	Deep	USLakeGeorg	27969		2471.39	621.45	1.72		2471.39	621.45	1.72		0	0	0.0							
12	Deep	USLakeGeorg	26706		2478.54	620.78	1.73		2478.54	620.78	1.73		0	0	0.0							
12	Deep	USLakeGeorg	25820		2483.44	620.3	1.61		2483.44	620.3	1.61		0	0	0.0							
12	Deep	USLakeGeorg	24753		2490.41	619.7	1.79		2490.41	619.7	1.79		0	0	0.0							
12	Deep	USLakeGeorg	24277		2494.6	619.37	1.56		2494.6	619.37	1.56		0	0	0.0							
12	Deep	USLakeGeorg	23302		2503.06	618.89	1.36		2503.06	618.89	1.36		0	0	0.0							
12	Deep	USLakeGeorg	22507		2510.78	618.56	1.37		2510.78	618.56	1.37		0	0	0.0							
12	Deep	USLakeGeorg	21518		2517.97	618.09	1.86		2517.97	618.09	1.86		0	0	0.0							
12	Deep	USLakeGeorg	20795		2525.82	617.63	1.51		2525.82	617.63	1.51		0	0	0.0							
12	Deep	USLakeGeorg	20086		2531.6	617.28	1.6		2531.6	617.28	1.6		0	0	0.0							
12	Deep	USLakeGeorg	19928		2534.1	617.22	1.54		2534.1	617.22	1.54		0	0	0.0							
12	Deep	USLakeGeorg	19407		2539.67	617	3.49		2539.67	617	3.49		0	0	0.0	12	0	0	0.00	0.00	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0							
11	Deep	USLakeGeorg	19273		2540.37	616.97	3.07		2540.37	616.97	3.07		0	0	0.0							
11	Deep	USLakeGeorg	18982		2543.61	616.88	1.6		2543.61	616.88	1.6		0	0	0.0							
11	Deep	USLakeGeorg	18179		2551.17	616.44	1.96		2551.17	616.44	1.96		0	0	0.0							
11	Deep	USLakeGeorg	16616		2562.58	615.44	2.05		2562.58	615.44	2.05		0	0	0.0							
11	Deep	USLakeGeorg	16067		2561.85	615.06	1.29		2561.85	615.06	1.29		0	0	0.0							
11	Deep	USLakeGeorg	15127		2562.13	614.8	1.18		2562.13	614.8	1.18		0	0	0.0							
11	Deep	USLakeGeorg	14039		2561.77	614.49	1.27		2561.77	614.49	1.27		0	0	0.0							
11	Deep	USLakeGeorg	12507		2561.3	614.09	1.39		2561.3	614.09	1.39		0	0	0.0							
11	Deep	USLakeGeorg	11631		2852.78	613.91	0.72		2852.78	613.91	0.72		0	0	0.0							
11	Deep	USLakeGeorg	10855		2852.31	613.77	1.05		2852.31	613.77	1.05		0	0	0.0							
11	Deep	USLakeGeorg	9782		2852.21	613.49	2.87		2852.21	613.49	2.87		0	0	0.0	11	0	0	0.00	0.00	0.0	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0							
10	Deep	USLakeGeorg	9630		2852.61	613.27	2.82		2852.61	613.27	2.82		0	0	0.0							
10	Deep	USLakeGeorg	9188		2852.72	613.2	1.46		2852.72	613.2	1.46		0	0	0.0							
10	Deep	USLakeGeorg	8897		2852.16	613.13	0.81		2852.16	613.13	0.81		0	0	0.0							
10	Deep	USLakeGeorg	8295		2852.35	613	1.65		2852.35	613	1.65		0	0	0.0							
10	Deep	USLakeGeorg	8102		2889.94	612.9	1		2889.94	612.9	1		0	0	0.0							
10	Deep	USLakeGeorg	7054		2889.72	612.6	1.92		2889.72	612.6	1.92		0	0	0.0							
10	Deep	USLakeGeorg	6756		2889.04	612.39	1.4		2889.04	612.39	1.4		0	0	0.0							
10	Deep	USLakeGeorg	6208		2888.96	612.12	1.76		2888.96	612.12	1.76		0	0	0.0							
10	Deep	USLakeGeorg	5892		2888.42	611.99	1.72		2888.42	611.99	1.72		0	0	0.0							
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0							
10	Deep	USLakeGeorg	5782		2888.52	611.91	2.02		2888.52	611.91	2.02		0	0	0.0							
10	Deep	USLakeGeorg	5461		2888.38	611.86	1.11		2888.38	611.86	1.11		0	0	0.0							
10	Deep	USLakeGeorg	5071		2889.18	611.79	0.86		2889.18	611.79	0.86		0	0	0.0							
10	Deep	USLakeGeorg	4635		2888.08	611.73	1.39		2888.08	611.73	1.39		0	0	0.0							
10	Deep	USLakeGeorg	3552		2887.43	611.6	0.92		2887.43	611.6	0.92		0	0	0.0							
10	Deep	USLakeGeorg	2936		2885.63	611.52	1.03		2885.63	611.52	1.03		0	0	0.0							
10	Deep	USLakeGeorg	1907		2885.45	611.41	1.51		2885.45	611.41	1.51		0	0	0.0							
10	Deep	USLakeGeorg	1253		2883.77	611.27	1.3		2883.77	611.27	1.3		0	0	0.0							
10	Deep	USLakeGeorg	620		2881.15	611.18	1.68		2881.15	611.18	1.68		0	0	0.0	10	0	0	0.00	0.00	0.0	0.0
9	Deep	USDuck	75919.1		5054.32	611.06	2.17		5054.32	611.06	2.17		0	0	0.0							
9	Deep	USDuck	75919		5055.06	611.06	2.17		5055.06	611.06	2.17		0	0	0.0							
9	Deep	USDuck	74577		5060.33	611	0.59		5060.33	611	0.59		0	0	0.0							
9	Deep	USDuck	73646		5065.04	610.99	0.5		5065.04	610.99	0.5		0	0	0.0							
9	Deep	USDuck	73085		5067.88	610.99	0.55		5067.88	610.99	0.55		0	0	0.0							
9	Deep	USDuck	72588		5071.1	610.98	0.79		5071.1	610.98	0.79		0	0	0.0							
9	Deep	USDuck	72272		5072.6	610.93	1.98		5072.6	610.93	1.98		0	0	0.0	9	0	0	0.00	0.00	0.0	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0							
8	Deep	USDuck	72091		5068.03	610.1	3.41		5068.03	610.1	3.41		0	0	0.0							
8	Deep	USDuck	71748		5071.11	610.16	0.94		5071.11	610.16	0.94		0	0	0.0							
8	Deep	USDuck	71471		5072.06	610.16	0.83		5072.06	610.16	0.83		0	0	0.0							
8	Deep	USDuck	70800		5076.42	610.14	0.76		5076.42	610.14	0.76		0	0	0.0							
8	Deep	USDuck	70081		5079.77	610.13	0.92		5079.77	610.13	0.92		0	0	0.0							
8	Deep	USDuck	69112		5085.46	610.1	1		5085.46	610.1	1		0	0	0.0							
8	Deep	USDuck	68349		5089.41	610.1	0.67		5089.41	610.1	0.67		0	0	0.0							
8	Deep	USDuck	68057		5091.12	610.05	1.93		5091.12	610.05	1.93		0	0	0.0							
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0							
8	Deep	USDuck	67862		5091.04	610.04	1.01		5091.04	610.04	1.01		0	0	0.0							
8	Deep	USDuck	67287		5094	610.04	0.57		5094	610.04	0.57		0	0	0.0							
8	Deep	USDuck	66449		5099.15	610.03	0.83		5099.15	610.03	0.83		0	0	0.0							
8	Deep	USDuck	65658		5103.32	610.02	0.6		5103.32	610.02	0.6		0	0	0.0							
8	Deep	USDuck	64951		5106.69	610.02	0.6		5106.69	610.02	0.6		0	0	0.0							
8	Deep	USDuck	64403		5109.73	610	1.11		5109.73	610	1.11		0	0	0.0							
8	Deep	USDuck	64140		5111.3	609.81	4.02		5111.3	609.81	4.02		0	0	0.0							
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0							
8	Deep	USDuck	63973		5111.05	608.92	3.39		5111.05	608.92	3.39		0	0	0.0							
8	Deep	USDuck	63867		5111.66	609.01	2.06		5111.66	609.01	2.06		0	0	0.0							
8	Deep	USDuck	63747		5112.03	609	1.98		5112.03	609	1.98		0	0	0.0							
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0							
8	Deep	USDuck	63518		5112.06	608.74	2.1		5112.06	608.74	2.1		0	0	0.0							
8	Deep	USDuck	63249		5113.91	608.77	0.84		5113.91	608.77	0.84		0	0	0.0							
8	Deep	USDuck	62725		5113.85	608.78	0.4		5113.85	608.78	0.4		0	0	0.0							
8	Deep	USDuck	62349		5113.82	608.78	0.41		5113.82	608.78	0.41		0	0	0.0	8	0	0	0.00	0.00	0.0	0.0
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0							
7	Deep	USDuck	62095		5111.08	605.78	2.16		5111.08	605.78	2.16		0	0	0.0							
7	Deep	USDuck	61997		5110.81	605.81	1.26		5110.81	605.81	1.26		0	0	0.0							
7	Deep	USDuck	61825		5110.81	605.76	2.22		5110.81	605.76	2.22		0	0	0.0							
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0							
7	Deep	USDuck	61668		5109.62	605.2	3.78		5109.62	605.2	3.78		0	0	0.0							
7	Deep	USDuck	61549		5108.79	605.27	2.78		5108.79	605.27	2.78		0	0	0.0							
7	Deep	DSDuck	961329		5777.85	605.23	2.61		5777.85	605.23	2.61		0	0	0.0							
7	Deep	DSDuck	961230		5777.97	605.24	2.44		5777.97	605.24	2.44		0	0	0.0	7	0	0	0.00	0.00	0.0	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0							
6	Deep	DSDuck	960993		5777.01	605.1	2.24		5777.01	605.1	2.24		0	0	0.0							
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0							
6	Deep	DSDuck	960895		5777.02	605.11	1.99		5777.02	605.11	1.99		0	0	0.0							
6	Deep	DSDuck	960679		5776.25	605.08	1.9		5776.25	605.08	1.9		0	0	0.0							
6	Deep	DSDuck	960529		5746.02	605.04	2.18		5746.02	605.04	2.18		0	0	0.0							
6	Deep	DSDuck	959872		4657.56	604.95	1.73		4657.56	604.95	1.73		0	0	0.0							
6	Deep	DSDuck	959178		5773.32	604.85	1.87		5773.32	604.85	1.87		0	0	0.0							
6	Deep	DSDuck	958649		5772.22	604.75	1.98		5772.22	604.75	1.98		0	0	0.0							
6	Deep	DSDuck	957989		5771.45	604.67	1.58		5771.45	604.67	1.58		0	0	0.0							
6	Deep	DSDuck	957262		5771.76	604.54	2.01		5771.76	604.54	2.01		0	0	0.0							
6	Deep	DSDuck	956509		5770.4	604.39	2.8		5770.4	604.39	2.8		0	0	0.0	6	0	0	0.00	0.00	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	956282		5767.17	603.85	3.05		5767.17	603.85	3.05		0	0	0.0							
5	Deep	DSDuck	956184		5767.32	603.87	2.65		5767.32	603.87	2.65		0	0	0.0							
5	Deep	DSDuck	956039		5767.02	603.87	2.1		5767.02	603.87	2.1		0	0	0.0							
5	Deep	DSDuck	955916		5767.82	603.87	1.88		5767.82	603.87	1.88		0	0	0.0							

5	Deep	DSDuck	955614		5766.99	603.84	1.85		5766.99	603.84	1.85		0	0	0.0							
5	Deep	DSDuck	954784		5765.28	603.71	2.12		5765.28	603.71	2.12		0	0	0.0							
5	Deep	DSDuck	954658		5800.47	603.47	4.65		5800.47	603.47	4.65		0	0	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5796	603.24	3.38		5796	603.24	3.38		0	0	0.0							
5	Deep	DSDuck	954427		5797.75	603.24	3.38		5797.75	603.24	3.38		0	0	0.0							
5	Deep	DSDuck	954107		5841.48	603.24	2.18		5841.48	603.24	2.18		0	0	0.0							
5	Deep	DSDuck	953696		5840.67	603.13	2.64		5840.67	603.13	2.64		0	0	0.0							
5	Deep	DSDuck	953203		5840.53	603.08	2.04		5840.53	603.08	2.04		0	0	0.0							
5	Deep	DSDuck	952132		5835.12	602.91	2.44		5835.12	602.91	2.44		0	0	0.0							
5	Deep	DSDuck	951884		5836.41	602.82	2.56		5836.41	602.82	2.56		0	0	0.0							
5	Deep	DSDuck	951566		5835.16	602.74	2.58		5835.16	602.74	2.58		0	0	0.0							
5	Deep	DSDuck	950991		5832.6	602.62	2.84		5832.6	602.62	2.84		0	0	0.0							
5	Deep	DSDuck	950682		5831.47	602.58	2.28		5831.47	602.58	2.28		0	0	0.0							
5	Deep	DSDuck	949909		5828.42	602.42	2.42		5828.42	602.42	2.42		0	0	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5602.19	602.35	2.09		5602.19	602.35	2.09		0	0	0.0							
5	Deep	DSDuck	949168		5615.36	602.34	1.91		5615.36	602.34	1.91		0	0	0.0							
5	Deep	DSDuck	948729		5824.51	602.26	2.27		5824.51	602.26	2.27		0	0	0.0	5	0	0	0.00	0.00	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5820.65	601.98	1.74		5820.65	601.98	1.74		0	0	0.0							
4	Deep	DSDuck	948480		5822.46	601.98	1.74		5822.46	601.98	1.74		0	0	0.0							
4	Deep	DSDuck	948428		6029.75	601.99	1.52		6029.75	601.99	1.52		0	0	0.0							
4	Deep	DSDuck	948174		6029.89	601.95	1.77		6029.89	601.95	1.77		0	0	0.0							
4	Deep	DSDuck	947566		6027.57	601.86	1.67		6027.57	601.86	1.67		0	0	0.0							
4	Deep	DSDuck	946997		6022.61	601.67	2.47		6022.61	601.67	2.47		0	0	0.0							
4	Deep	DSDuck	946167		6020.93	601.59	1.34		6020.93	601.59	1.34		0	0	0.0							
4	Deep	DSDuck	945248		6020.67	601.54	1.58		6020.67	601.54	1.58		0	0	0.0							
4	Deep	DSDuck	944337		6019.43	601.47	1.51		6019.43	601.47	1.51		0	0	0.0							
4	Deep	DSDuck	942778		6014.52	601.1	3.69		6014.52	601.1	3.69		0	0	0.0							
4	Deep	DSDuck	942375		6013.04	600.98	3.49		6013.04	600.98	3.49		0	0	0.0							
4	Deep	DSDuck	942129		6011.55	600.9	3.53		6011.55	600.9	3.53		0	0	0.0							
4	Deep	DSDuck	941984		6010.3	600.73	4.43		6010.3	600.73	4.43		0	0	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		6010.12	600.72	3.27		6010.12	600.72	3.27		0	0	0.0							
4	Deep	DSDuck	941433		6004.29	600.41	4.13		6004.29	600.41	4.13		0	0	0.0							
4	Deep	DSDuck	940705		5998.79	600.14	3.16		5998.79	600.14	3.16		0	0	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5993.29	599.84	4.07		5993.29	599.84	4.07		0	0	0.0							
4	Deep	DSDuck	940382		5991.93	599.87	1.84		5991.93	599.87	1.84		0	0	0.0							
4	Deep	DSDuck	939456		5991.39	599.77	1.86		5991.39	599.77	1.86		0	0	0.0							
4	Deep	DSDuck	938026		5988.12	599.67	1.95		5988.12	599.67	1.95		0	0	0.0							
4	Deep	DSDuck	937064		5981.11	599.3	3.52		5981.11	599.3	3.52		0	0	0.0							
4	Deep	DSDuck	936422		5979.5	599.19	2.92		5979.5	599.19	2.92		0	0	0.0							
4	Deep	DSDuck	935423		5971.41	598.99	2.89		5971.41	598.99	2.89		0	0	0.0							
4	Deep	DSDuck	934734		6058.49	598.89	2.69		6058.49	598.89	2.69		0	0	0.0							
4	Deep	DSDuck	934223		6052.27	598.82	2.56		6052.27	598.82	2.56		0	0	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6053.33	598.3	2.78		6053.33	598.3	2.78		0	0	0.0							
4	Deep	DSDuck	933391		6050.43	598.23	2.61		6050.43	598.23	2.61		0	0	0.0							
4	Deep	DSDuck	932574		5939.54	597.99	3.06		5939.54	597.99	3.06		0	0	0.0							
4	Deep	DSDuck	931721		5897.77	597.79	2.91		5897.77	597.79	2.91		0	0	0.0							
4	Deep	DSDuck	931117		5886.62	597.75	2.35		5886.62	597.75	2.35		0	0	0.0							
4	Deep	DSDuck	930406		5871.71	597.68	2.26		5871.71	597.68	2.26		0	0	0.0							
4	Deep	DSDuck	929978		5851.53	597.63	2.22		5851.53	597.63	2.22		0	0	0.0							
4	Deep	DSDuck	929807		5838.68	597.58	2.61		5838.68	597.58	2.61		0	0	0.0	4	0	0	0.00	0.00	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5828.56	597.4	2.78		5828.56	597.4	2.78		0	0	0.0							
3	Deep	DSDuck	929174		5812.45	597.38	2.18		5812.45	597.38	2.18		0	0	0.0							
3	Deep	DSDuck	928469		5776.42	597.29	2.43		5776.42	597.29	2.43		0	0	0.0							
3	Deep	DSDuck	927523		5717.38	597.13	2.96		5717.38	597.13	2.96		0	0	0.0							
3	Deep	DSDuck	926814		5698.22	597.08	2.46		5698.22	597.08	2.46		0	0	0.0							
3	Deep	DSDuck	926669		5682.19	597.04	2.66		5682.19	597.04	2.66		0	0	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5681.65	597.04	1.93		5681.65	597.04	1.93		0	0	0.0							
3	Deep	DSDuck	925793		5634.14	596.94	2.6		5634.14	596.94	2.6		0	0	0.0							
3	Deep	DSDuck	925300		5582.21	596.88	2.48		5582.21	596.88	2.48		0	0	0.0							
3	Deep	DSDuck	925073		5571.32	596.85	2.2		5571.32	596.85	2.2		0	0	0.0							
3	Deep	DSDuck	924833		5490.47	596.77	2.94		5490.47	596.77	2.94		0	0	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5440.47	595.99	3.29		5440.47	595.99	3.29		0	0	0.0							
3	Deep	DSDuck	924342		5332.69	595.92	3.01		5332.69	595.92	3.01		0	0	0.0							
3	Deep	DSDuck	924002		5292.99	595.86	2.82		5292.99	595.86	2.82		0	0	0.0							
3	Deep	DSDuck	923827		5262.26	595.82	2.86		5262.26	595.82	2.86		0	0	0.0							
3	Deep	DSDuck	923771		5231.25	595.78	3.4		5231.25	595.78	3.4		0	0	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5209.36	595.73	2.3		5209.36	595.73	2.3		0	0	0.0							
3	Deep	DSDuck	923653		5200.93	595.7	2.37		5200.93	595.7	2.37		0	0	0.0							
3	Deep	DSDuck	923529		5177.84	595.64	3.2		5177.84	595.64	3.2		0	0	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5185.22	595.64	2.73		5185.22	595.64	2.73		0	0	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5177.56	595.63	2.71		5177.56	595.63	2.71		0	0	0.0							
3	Deep	DSDuck	923408		5164.05	595.61	3.17		5164.05	595.61	3.17		0	0	0.0							
3	Deep	DSDuck	923308		5155.18	595.6	2.83		5155.18	595.6	2.83		0	0	0.0							
3	Deep	DSDuck	923080		5133.26	595.6	2.38		5133.26	595.6	2.38		0	0	0.0							
3	Deep	DSDuck	922636		5122.21	595.55	2.75		5122.21	595.55	2.75		0	0	0.0							
3	Deep	DSDuck	922169		5085.8	595.5	2.65		5085.8	595.5	2.65		0	0	0.0							
3	Deep	DSDuck	921587		5162.34	595.38	2.94		5162.34	595.38	2.94		0	0	0.0							
3	Deep	DSDuck	921501		5116.32	595.24	4		5116.32	595.24	4		0	0	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5067.04	595.1	3.63		5067.04	595.1	3.63		0	0	0.0							
3	Deep	DSDuck	921039.1		5064.43	595.1	3.63		5064.43	595.1	3.63		0	0	0.0							
3	Deep	DSDuck	921039		5063.03	595.1	3.63		5063.03	595.1	3.63		0	0	0.0	3	0	0	0.00	0.00	0.0	0.0
1	Burns	Burns	920939		5245.13	595.1	3.89		5245.13	595.1	3.89		0	0	0.0							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5233.14	594.98	4.14		5233.14	594.98	4.14		0	0	0.0							
1	Burns	Burns	920468		5230.76	594.95	3.96		5230.76	594.95	3.96		0	0	0.0							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5071.14	594.94	3.5		5071.14	594.94	3.5		0	0	0.0							
1	Burns	Burns	919872		5103.06	594.88	3.41		5103.06	594.88	3.41		0	0	0.0							
1	Burns	Burns	919832		5186.18	594.87	3.39		5186.18	594.87	3.39		0	0	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5160.53	594.68	3.89		5160.53	594.68	3.89		0	0	0.0							
1	Burns	Burns	919588		5162.84	594.68	3.82		5162.84	594.68	3.82		0	0	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5172.73	594.75	2.85		5172.73	594.75	2.85		0	0	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919340		4932.01	594.73	2.92		4932.01	594.73	2.92		0	0	0.0							
1	Burns	Burns	919021		4053.83	594.78	2.1		4053.83	594.78	2.1		0	0	0.0							
1	Burns	Burns	918058		2245.39	594.8	1.32		2245.39	594.8	1.32		0	0	0.0							
1	Burns	Burns	917449		1613.95	594.81	0.99		1613.95	594.81	0.99		0	0	0.0							
1	Burns	Burns	916752		1822.23	594.78	1.11		1822.23	594.78	1.11		0	0	0.0							
1	Burns	Burns	916647		1874.21	594.77	1.26		1874.21	594.77	1.26		0	0	0.0							
1	Burns	Burns	916591		Bridge				Bridge					0	0.0							
1	Burns	Burns	916504		1874.6	594.76	1.24		1874.6	594.76	1.24		0	0	0.0							
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916384		1875.9	594.75	1.19		1875.9	594.75	1.19		0	0	0.0							
1	Burns	Burns	915170		1177.68	594.75	0.79		1177.68	594.75	0.79		0	0	0.0							
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	913799		1086.36	594.74	0.73		1086.36	594.74	0.73		0	0	0.0							
1	Burns	Burns	912165		1366.73	594.72	0.81		1366.73	594.72	0.81		0	0	0.0							
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	911500		2150.8	594.67	1.34		2150.8	594.67	1.34		0	0	0.0							
1	Burns	Burns	909818		3235.75	594.52	1.92		3235.75	594.52	1.92		0	0	0.0							
1	Burns	Burns	907147		5040.35	594.08	2.9		5040.35	594.08	2.9		0	0	0.0							
1	Burns	Burns	905522		5049.17	593.84	2.82		5049.17	593.84	2.82		0	0	0.0							
1	Burns	Burns	905438		Bridge				Bridge					0	0.0							
1	Burns	Burns	905364		5049.17	593.79	2.83		5049.17	593.79	2.83		0	0	0.0							
1	Burns	Burns	904862		5007.02	593.69	3.03		5007.02	593.69	3.03		0	0	0.0							
1	Burns	Burns	904213		5000.17	593.61	2.79		5000.17	593.61	2.79		0	0	0.0							
1	Burns	Burns	903765		4990.99	593.53	2.85		4990.99	593.53	2.85		0	0	0.0							
1	Burns	Burns	903487		4987.72	593.5	2.73		4987.72	593.5	2.73		0	0	0.0							
1	Burns	Burns	903304		Bridge				Bridge					0	0.0							
1	Burns	Burns	903222		4980.29	593.37	3.02		4980.29	593.37	3.02		0	0	0.0							
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	902545		4913.42	593.28	2.82		4913.42	593.28	2.82		0	0	0.0							
1	Burns	Burns	902215		4816.03	593.24	2.8		4816.03	593.24	2.8		0	0	0.0							
1	Burns	Burns	901966		4815.87	593.2	2.88		4815.87	593.2	2.88		0	0	0.0							
1	Burns	Burns	901643		4922.18	593.21	2.32		4922.18	593.21	2.32		0	0	0.0							
1	Burns	Burns	901478		Bridge				Bridge					0	0.0							
1	Burns	Burns	901218		4843.57	593.07	2.39		4843.57	593.07	2.39		0	0	0.0							
1	Burns	Burns	900573		4835.53	592.96	2.92		4835.53	592.96	2.92		0	0	0.0							
1	Burns	Burns	900081		4833.44	592.91	2.82		4833.44	592.91	2.82		0	0	0.0							
1	Burns	Burns	18866		4833.54	592.9	2.72		4833.54	592.9	2.72		0	0	0.0							
1	Burns	Burns	18616		4829.5	592.76	3.62		4829.5	592.76	3.62		0	0	0.0							
1	Burns	Burns	18571		Bridge				Bridge					0	0.0							
1	Burns	Burns	18530		4830.82	592.81	3.03		4830.82	592.81	3.03		0	0	0.0							
1	Burns	Burns	18529		4830.6	592.81	3.03		4830.6	592.81	3.03		0	0	0.0							
1	Burns	Burns	18452		Bridge				Bridge					0	0.0							
1	Burns	Burns	18365		4831.67	591.46	2.82		4831.67	591.46	2.82		0	0	0.0							
1	Burns	Burns	18249		4832.38	591.46	2.68		4832.38	591.46	2.68		0	0	0.0							
1	Burns	Burns	18079		5092.84	591.36	3.26		5092.84	591.36	3.26		0	0	0.0							
1	Burns	Burns	18078		5092.81	591.36	3.25		5092.81	591.36	3.25		0	0	0.0							
1	Burns	Burns	18017		Bridge				Bridge					0	0.0							
1	Burns	Burns	17972		5023.95	591.17	3.68		5023.95	591.17	3.68		0	0	0.0							
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	17309		5019.75	591.11	2.84		5019.75	591.11	2.84		0	0	0.0							
1	Burns	Burns	16898		4975.12	591.05	2.75		4975.12	591.05	2.75		0	0	0.0							
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	15741		4927.13	590.82	3.1		4927.13	590.82	3.1		0	0	0.0							
1	Burns	Burns	13924		4949.34	590.53	2.89		4949.34	590.53	2.89		0	0	0.0							
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	13011		4991.44	590.4	2.75		4991.44	590.4	2.75		0	0	0.0							
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	12071		4988.06	590.25	2.85		4988.06	590.25	2.85		0	0	0.0							
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	10554		4984.46	590.1	2.25		4984.46	590.1	2.25		0	0	0.0							
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	9194		5012.67	589.95	2.34		5012.67	589.95	2.34		0	0	0.0							
1	Burns	Burns	7751		5006.69	589.81	2.29		5006.69	589.81	2.29		0	0	0.0							
1	Burns	Burns	7232		5002.49	589.76	2.21		5002.49	589.76	2.21		0	0	0.0							
1	Burns	Burns	5385		4989.1	589.56	2.29		4989.1	589.56	2.29		0	0	0.0							
1	Burns	Burns	4161		4915.27	589.4	2.58		4915.27	589.4	2.58		0	0	0.0							
1	Burns	Burns	3756		14040.52	588.66	4.59		14040.52	588.66	4.59		0	0	0.0							
1	Burns	Burns	3276		14040.47	588.42	5.05		14040.47	588.42	5.05		0	0	0.0							
1	Burns	Burns	2944		14121.73	588.18	5.6		14121.73	588.18	5.6		0	0	0.0							
1	Burns	Burns	2144		14121.32	588.26	2.1		14121.32	588.26	2.1		0	0	0.0							
1	Burns	Burns	1865		Bridge				Bridge					0	0.0							
1	Burns	Burns	1794		14121.29	587.12	6.12		14121.29	587.12	6.12		0	0	0.0							
1	Burns	Burns	1793		14121.49	587.12	6.11		14121.49	587.12	6.11		0	0	0.0							
1	Burns	Burns	1758		Bridge				Bridge					0	0.0							
1	Burns	Burns	1700		14121.5	586.56	7.29		14121.5	586.56	7.29		0	0	0.0							
1	Burns	Burns	1699		14121.03	586.56	7.28		14121.03	586.56	7.28		0	0	0.0							
1	Burns	Burns	1634		Bridge				Bridge					0	0.0							
1	Burns	Burns	1579		14121.51	586.98	4.9		14121.51	586.98	4.9		0	0	0.0							
1	Burns	Burns	1518		14121.57	586.95	4.85		14121.57	586.95	4.85		0	0	0.0							
1	Burns	Burns	784		14121.29	586.64	4.83		14121.29	586.64	4.83		0	0	0.0							
1	Burns	Burns	682		14121.19	586.5	5.36		14121.19	586.5	5.36		0	0	0.0							
1	Burns	Burns	588		Bridge				Bridge					0	0.0							
1	Burns	Burns	532.1		14121.14	584.63	9.08		14121.14	584.63	9.08		0	0	0.0							
1	Burns	Burns	532		14121.29	584.91	8.03		14121.29	584.91	8.03		0	0	0.0							
1	Burns	Burns	100		14121.58	585.03	5.38		14121.58	585.03	5.38		0	0	0.0							
1	Burns	Burns	1		14121.32	582.93	5.97		14121.32	582.93	5.97		0	0	0.0							
1	Burns	Burns	0		476.6	581.1	0.03		476.6	581.1	0.03		0	0	0.0	1	0	0	0.00	0.00	0.0	0.0

Proposed Project: Wisconsin St
Project Description: replace Wisconsin St bridge over Lake George
Project Location: Wisconsin St bridge over Lake George
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	negligible	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	negligible	negligible	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	negligible	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	negligible	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	negligible	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	negligible	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	negligible	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	negligible	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	negligible	negligible	negligible		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	negligible	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 9: PROJECT IMPACT SPREADSHEET FOR I-65 CULVERT ON LITTLE CALUMET RIVER

paste model output results here - make sure same order and cross sections					EX100y96hARF				I-65 project				I-65 project - existing									
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl							
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.47	622.63	1.5		904.37	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		901.3	622.35	3.61		902.2	622.35	3.62		1	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072.1	622.15	2.98		1072.7	622.15	2.98		1	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1069.56	621.84	2.32		1069.53	621.84	2.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1067.95	621.57	1.93		1067.46	621.57	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1065.91	621.41	2.36		1066.29	621.41	2.36		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1063.69	621.1	3.3		1063.57	621.1	3.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062.15	620.82	2.78		1062.16	620.82	2.78		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1062.04	620.8	1.61		1062.39	620.8	1.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1062.38	620.78	1.28		1061.93	620.78	1.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1061.84	620.77	0.92		1062.16	620.77	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1062.11	620.76	0.4		1061.93	620.76	0.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1378.04	620.75	0.55		1377.89	620.75	0.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1378.05	620.71	1.79		1377.83	620.71	1.79		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1376.77	620.59	3.1		1377.17	620.59	3.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1369.04	619.75	4.28		1368.63	619.75	4.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1370.29	619.79	3.97		1369.96	619.79	3.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1371.41	619.87	3.09		1372.03	619.87	3.09		1	0	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.48	619.93	1.67		1372.2	619.93	1.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1372.35	619.94	1.1		1372.66	619.94	1.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372.31	619.94	1.03		1371.76	619.94	1.02		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.7	619.93	1.02		1371.76	619.93	1.02		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372.02	619.92	1.01		1372.02	619.92	1.01		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784.68	619.91	0.92		1784.62	619.91	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.18	619.9	0.89		1784.55	619.9	0.89		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.86	619.89	0.93		1784.55	619.89	0.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1785.05	619.88	0.94		1784.87	619.88	0.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.92	619.87	0.95		1784.7	619.87	0.95		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.71	619.86	1.16		1783.4	619.86	1.16		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1783.99	619.85	1.25		1784.58	619.85	1.25		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.03	619.83	1.43		1784.58	619.83	1.43		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784.21	619.83	1.5		1784.41	619.83	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1783.9	619.82	1.46		1783.96	619.82	1.46		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.29	619.8	1.54		1784.1	619.8	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1784.34	619.79	1.35		1783.95	619.79	1.35		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783.86	619.78	1.55		1784.36	619.78	1.55		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.25	619.76	1.54		1784.35	619.76	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1784.11	619.77	1.18		1783.56	619.77	1.18		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1784.05	619.76	1.06		1783.87	619.76	1.06		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.11	619.75	1.16		1784.66	619.75	1.17		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784.09	619.75	1.13		1784.22	619.75	1.13		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784.09	619.74	0.99		1784.01	619.74	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.54	619.74	1.14		1783.96	619.74	1.14		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.54	619.72	1.48		1784.26	619.71	1.48		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1783.53	619.7	1.74		1783.3	619.7	1.74		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1783.04	619.67	1.68		1784.16	619.67	1.69		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1784.16	619.66	1.63		1783.21	619.66	1.63		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1783.77	619.66	1.03		1783.5	619.66	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1783.28	619.66	0.58		1783.31	619.66	0.58		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.17	619.65	0.56		1783.86	619.65	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.3	619.65	0.71		1783.89	619.65	0.71		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.25	619.64	1.04		1783.63	619.64	1.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.01	619.64	0.77		1783.54	619.64	0.77		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1784.02	619.64	0.72		1784.05	619.64	0.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.54	619.63	0.56		1783.41	619.63	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.56	619.62	1.03		1783.8	619.62	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1784.04	619.61	1.15		1783.45	619.61	1.15		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1783.82	619.61	0.71		1783.99	619.61	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.91	619.61	0.97		1783.56	619.61	0.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783.37	619.59	1.44		1783.77	619.59	1.44		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.77	619.59	1.33		1783.65	619.59	1.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783.64	619.58	1.45		1783.22	619.58	1.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1783.21	619.55	1.26		1783.61	619.55	1.26		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783.6	619.55	1.21		1783.54	619.55	1.21		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23314		1783.69	619.5	1.72		1783.3	619.5	1.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783.38	619.47	1.4		1783.52	619.47	1.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783.19	619.45	1.85		1783.25	619.45	1.85		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.54	619.41	2.09		1783.36	619.41	2.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783.48	619.41	1.86		1783.27	619.41	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22731		1783.3	619.43	1.16		1783.35	619.43	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783.13	619.42	1.29		1783.36	619.42	1.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.58	619.41	1.22		1783.55	619.41	1.22		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1783.28	619.39	1.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783.21	619.33	2.45		1783.64	619.33	2.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.44	618.88	3.03		1783.48	618.88	3.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.46	618.86	3.41		1783.6	618.86	3.41		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.38	618.91	2.52		1783.69	618.91	2.52		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.53	618.94	1.94		1783.49	618.94	1.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.37	618.95	1.47		1783.53	618.95	1.47		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.46	618.92	1.86		1783.54	618.92	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.4	618.77	3.48		1783.4	618.77	3.48		0	0	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.4	618.58	3.98		1783.42	618.58	3.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.4	618.68	2.19		1783.44	618.68	2.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1783.23	618.65	1.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.3	618.63	0.99		1783.37	618.63	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.3	618.58	1.24		2193.6	618.58	1.24		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.48	618.52	1.93		2193.58	618.52	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.44	618.45	2.1		2193.51	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.45	618.36	2.29		2193.39	618.36	2.29		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.31	618.28	1.81		2193.32	618.28	1.81		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.41	618.21	2.67		2193.41	618.2	2.67		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2193.48	617.94	4.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.25	617.92	3.04		2193.33	617.92	3.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.28	617.26	6.7		2193.29	617.26	6.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.87	616.2	8.11		2193.09	616.2	8.11		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18578		2192.89	616.31	6.22		2192.96	616.31	6.22		0	0	0.0	17	1	-1	0.00	-0.01	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2192.86	615.44	5.41		2193.07	615.43	5.41		0	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.26	615.07	6.57		2192.35	615.07	6.57		0	0	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.47	614.84	5.71		2191.88	614.84	5.71		0	0	0.0							
16	TurkeyCreek	TurkeyCk	18032		2191.78	614.91	3.45		2192.31	614.91	3.45		1	0	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.36	614.82	2.9		2191.95	614.82	2.9		1	0	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.62	614.73	3.22		2192.01	614.73	3.22		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.02	614.65	2.35		2191.51	614.65	2.35		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.06	614.62	2.17		2191.44	614.62	2.17		0	0	0.0							
16	TurkeyCreek	TurkeyCk	16917		2190.9	614.59	1.22		2191.57	614.59	1.23		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16494		2190.67	614.55	1.33		2191.43	614.55	1.33		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16288		2190.66	614.51	1.57		2191.53	614.51	1.58		1	0	0.0							
16	TurkeyCreek	TurkeyCk	15975		2190.82	614.47	1.54		2191.47	614.46	1.54		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15724		2190.4	614.4	2.08		2191.24	614.4	2.08		1	0	0.0							
16	TurkeyCreek	TurkeyCk	15587		2392.18	614.36	1.94		2394.58	614.35	1.94		2	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15472		2388.08	614.28	2.83		2393.6	614.28	2.84		6	0	0.0							
16	TurkeyCreek	TurkeyCk	15271		2389.59	614.26	1.78		2392.03	614.25	1.78		2	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15130		2388.09	614.24	1.54		2391.24	614.24	1.54		3	0	0.0							
16	TurkeyCreek	TurkeyCk	14901		2388.04	614.22	1.32		2390.48	614.22	1.32		2	0	0.0							
16	TurkeyCreek	TurkeyCk	14694		2385.82	614.2	1.43		2389.43	614.19	1.44		4	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	14500		2385.25	614.17	1.36		2389.32	614.17	1.36		4	0	0.0							
16	TurkeyCreek	TurkeyCk	14254		2384.85	614.16	0.9		2388.33	614.16	0.9		3	0	0.0							
16	TurkeyCreek	TurkeyCk	14081		2383.4	614.15	0.93		2387.93	614.15	0.94		5	0	0.0							
16	TurkeyCreek	TurkeyCk	13909		2384.37	614.14	1.07		2386.95	614.13	1.07		3	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	13580		2380.18	614.07	2.13		2383.37	614.07	2.13		3	0	0.0							
16	TurkeyCreek	TurkeyCk	13356		2376.93	614	2.13		2380.77	614	2.13		4	0	0.0							
16	TurkeyCreek	TurkeyCk	13150		2360.91	613.82	3.77		2371.34	613.81	3.79		10	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2312.9	613.53	4.12		2331.57	613.52	4.16		19	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12967		2320.43	613.56	3.66		2333.49	613.55	3.68		13	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12836		2316.48	613.54	2.82		2332.4	613.53	2.84		16	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12718		2313.81	613.53	2.11		2330.17	613.52	2.13		16	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12536		2310.53	613.51	1.63		2329.51	613.5	1.65		19	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12244		2305.01	613.46	1.77		2320.43	613.45	1.79		15	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11927		2299.09	613.39	2.01		2311.67	613.38	2.03		13	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11687		2291.83	613.36	1.59		2308.69	613.34	1.6		17	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11449		2285.71	613.32	1.46		2303.89	613.3	1.48		18	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11232		2274.77	613.19	2.95		2290.76	613.17	2.98		16	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11119		2253.59	613.02	3.73		2266.97	613	3.76		13	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11013		2239.62	612.77	5.03		2239.23	612.74	5.06		0	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2189.15	612.45	5.63		2180.54	612.42	5.63		-9	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10905		2175.11	612.36	5.71		2166.78	612.33	5.71		-8	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2167.85	612.33	4.09		2157.1	612.3	4.08		-11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10552		2116.96	612.02	5.29		2100.78	611.99	5.27		-16	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10251		2111.35	611.96	1.17		2098.22	611.92	1.17		-13	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	9979		2104.72	611.92	1.32		2095.26	611.89	1.32		-9	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	9783		2104.61	611.92	1.01		2094.74	611.89	1.01		-10	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	9526		2097	611.86	1.92		2087.26	611.83	1.93		-10	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	9168		2089.05	611.79	1.96		2075.78	611.75	1.96		-13	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	8838		2087	611.76	0.97		2074.74	611.72	0.97		-12	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	8503		2082.6	611.73	1.16		2071.23	611.7	1.16		-11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	8221		2080.22	611.72	1.01		2069.48	611.69	1.01		-11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	8013		2082.65	611.72	0.8		2069.8	611.68	0.8		-13	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	7673		2077.9	611.7	1.05		2068.21	611.67	1.05		-10	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	7223		2076.88	611.67	1.41		2062.56	611.64	1.41		-14	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	6947		2070.97	611.63	1.76		2058.98	611.6	1.76		-12	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	6829		2070.65	611.62	1.7		2060.14	611.59	1.7		-11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	6686		2063.34	611.53	2.61		2050.67	611.5	2.6		-13	-0.03	0.0	16	19	-16	0.00	-0.04	0.0	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2055.18	611.51	2.03		2049.77	611.48	2.04		-5	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	6407		2057.93	611.49	1.43		2045.83	611.46	1.43		-12	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	6204		2051.55	611.44	2.01		2040.97	611.41	2.01		-11	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	5151		2034.09	611.25	0.69		2021.58	611.22	0.68		-13	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	2193		2024.59	611.18	0.51		2015.16	611.14	0.51		-9	-0.04	0.0							
9	TurkeyCreek	TurkeyCk	500		2169.73	611.16	0.29		2154.98	611.12	0.29		-15	-0.04	0.0							
9	TurkeyCreek	TurkeyCk	50		2171.38	611.15	0.39		2156.23	611.12	0.39		-15	-0.03	0.0	9	-5	-15	-0.03	-0.04	0.0	0.0
2	LCal	LCal	2575		155.63	595.18	0.06		154.74	595.2	0.06		-1	0.02	0.0							
2	LCal	LCal	2359		154.3	595.18	0.05		160.29	595.2	0.05		6	0.02	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.91	595.18	0.05		158.26	595.2	0.05		4	0.02	0.0							
2	LCal	LCal	2172		153.33	595.18	0.05		156.62	595.2	0.05		3	0.02	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.98	595.14	0.09		149.72	595.18	0.12		33	0.04	0.0							
2	LCal	LCal	1559		118.55	595.14	0.1		149.45	595.18	0.12		31	0.04	0.0							
2	LCal	LCal	1414		116.24	595.14	0.15		148.55	595.18	0.19		32	0.04	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		102.45	595.11	0.09		120.63	595.14	0.1		18	0.03	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		145.39	595.11	0.16		168.84	595.14	0.19		23	0.03	0.0							
2	LCal	LCal	173		178.24	595.1	0.23		207.07	595.14	0.27		29	0.04	0.0	2	33	-1	0.04	0.00	0.0	0.0
21	Duck Ck	DuckCk	20671		428.89	616.21	1.74		428.87	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.88	616.04	1.97		428.86	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.87	615.82	2.37		428.89	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.86	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.85	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.83	615.12	1.81		428.83	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.85	614.9	2		428.85	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.76	614.07	2.04		428.74	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.73	613.87	1.73		428.73	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.5	613.22	2.37		428.48	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.97	612.74	1.96		427.94	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		426.88	612.26	1.91		427.05	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.77	612.12	1.37		426.42	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.23	611.94	1.51		426.28	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		426.02	611.82	1.43		425.85	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.83	611.74	1.01		425.75	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.52	611.62	1.92		425.5	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.99	611.21	2.51		423.8	611.21	2.51		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.21	611.09	1.98		423.27	611.09	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15534		422.15	610.86	1.98		422.13	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.39	610.72	1.29		421.32	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		421.01	610.62	1.32		420.98	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.75	610.57	0.84		420.64	610.58	0.84		0	0.01	0.0							
21	Duck Ck	DuckCk	14584		420.49	610.54	0.85		420.59	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.25	610.5	0.85		420.3	610.51	0.85		0	0.01	0.0							
21	Duck Ck	DuckCk	14091		420.17	610.41	1.56		420.09	610.41	1.56		0	0	0.0	21	0	0	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.56	610	1.62		419.63	610	1.62		0	0	0.0							
20	Duck Ck	DuckCk	13704		418.86	609.87	1.44		418.96	609.87	1.44		0	0	0.0							
20	Duck Ck	DuckCk	13464		418.32	609.77	1.27		418.32	609.77	1.27		0	0	0.0							
20	Duck Ck	DuckCk	13279		418.34	609.73	0.78		418.43	609.73	0.78		0	0	0.0							
20	Duck Ck	DuckCk	12964		581.53	609.68	1.04		581.86	609.68	1.04		0	0	0.0							
20	Duck Ck	DuckCk	12613		580.8	609.61	1.05		580.46	609.61	1.05		0	0	0.0							
20	Duck Ck	DuckCk	12306		583.33	609.57	0.78		583.18	609.57	0.78		0	0	0.0							
20	Duck Ck	DuckCk	11932		586.77	609.52	0.9		586.97	609.52	0.9		0	0	0.0							
20	Duck Ck	DuckCk	11876		586.78	609.5	1.15		587.32	609.5	1.15		1	0	0.0							
20	Duck Ck	DuckCk	11801		588.04	609.5	0.86		587.9	609.5	0.86		0	0	0.0							
20	Duck Ck	DuckCk	11485		590.91	609.47	0.8		591.07	609.47	0.8		0	0	0.0							
20	Duck Ck	DuckCk	10998		595.71	609.41	0.95		594.97	609.41	0.95		-1	0	0.0							
20	Duck Ck	DuckCk	10813		596.99	609.4	0.72		597.07	609.4	0.72		0	0	0.0							
20	Duck Ck	DuckCk	10553		599.49	609.38	0.77		599.34	609.38	0.77		0	0	0.0							
20	Duck Ck	DuckCk	10293		601.6	609.36	0.84		601.79	609.36	0.84		0	0	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		602.07	609.33	0.68		601.77	609.34	0.68		0	0.01	0.0							
20	Duck Ck	DuckCk	9854		605.88	609.31	0.77		605.77	609.31	0.77		0	0	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		610.18	609.28	0.8		0	0	0.0							
20	Duck Ck	DuckCk	9287		612.11	609.27	0.56		612.26	609.27	0.56		0	0	0.0							
20	Duck Ck	DuckCk	9053		614.36	609.25	0.7		614.92	609.26	0.7		1	0.01	0.0							
20	Duck Ck	DuckCk	8833		616.87	609.24	0.62		617.1	609.25	0.62		0	0.01	0.0							
20	Duck Ck	DuckCk	8619		820.14	609.22	1.03		820.33	609.22	1.03		0	0	0.0							
20	Duck Ck	DuckCk	8373		823.2	609.2	0.55		823.1	609.2	0.55		0	0	0.0							
20	Duck Ck	DuckCk	8099		825.87	609.19	0.36		825.94	609.2	0.36		0	0.01	0.0							
20	Duck Ck	DuckCk	7623		829.27	609.19	0.43		829.59	609.19	0.43		0	0	0.0							
20	Duck Ck	DuckCk	7254		833.05	609.17	0.56		832.74	609.18	0.55		0	0.01	0.0							
20	Duck Ck	DuckCk	6856		836.74	609.16	0.46		836.73	609.17	0.46		0	0.01	0.0							
20	Duck Ck	DuckCk	6359		841.57	609.14	0.73		841.08	609.15	0.73		0	0.01	0.0							
20	Duck Ck	DuckCk	6163		843.64	609.14	0.6		843.51	609.14	0.6		0	0	0.0							
20	Duck Ck	DuckCk	5848		848.4	609.13	0.27		848.26	609.13	0.27		0	0	0.0							
20	Duck Ck	DuckCk	5638		852.07	609.13	0.37		851.93	609.13	0.37		0	0	0.0							
20	Duck Ck	DuckCk	5361		854.61	609.12	0.77		854.79	609.12	0.77		0	0	0.0							
20	Duck Ck	DuckCk	4639		861.86	609.1	0.43		861.99	609.1	0.43		0	0	0.0							
20	Duck Ck	DuckCk	4257		866.49	609.09	0.42		866.67	609.1	0.42		0	0.01	0.0							
20	Duck Ck	DuckCk	4109		868.18	609.09	0.35		868.57	609.09	0.35		0	0	0.0							
20	Duck Ck	DuckCk	3892		870.19	609	2.63		870.26	609	2.63		0	0	0.0	20	1	-1	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		866.25	608.54	2.71		866.57	608.54	2.71		0	0	0.0							
19	Duck Ck	DuckCk	3668		868.32	608.57	0.77		867.54	608.57	0.76		-1	0	0.0							
19	Duck Ck	DuckCk	3440		870.19	608.56	0.5		870.38	608.57	0.5		0	0.01	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		718.92	606.86	2.02		721.59	606.85	2.03		3	-0.01	0.0							
19	Duck Ck	DuckCk	3342		715.14	606.76	3.36		720.3	606.75	3.39		5	-0.01	0.0	19	5	-1	0.01	-0.01	0.0	0.0
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.23	606.06	4.11		681.48	606.05	4.12		0	-0.01	0.0							
18	Duck Ck	DuckCk	3203		686.71	606.19	1.56		686.84	606.17	1.57		0	-0.02	0.0							
18	Duck Ck	DuckCk	3126		687.5	606.17	1.02		687.46	606.16	1.03		0	-0.01	0.0							
18	Duck Ck	DuckCk	2965		688	606.15	1		688.15	606.13	1.01		0	-0.02	0.0							
18	Duck Ck	DuckCk	2849		688.33	606.13	0.98		687.81	606.11	0.99		-1	-0.02	0.0							
18	Duck Ck	DuckCk	2794		686.93	606.12	1.03		688.13	606.1	1.03		1	-0.02	0.0							
18	Duck Ck	DuckCk	2687		688.04	606.11	0.87		689.3	606.09	0.88		1	-0.02	0.0							
18	Duck Ck	DuckCk	2524		690.01	606.09	0.89		689.32	606.07	0.89		-1	-0.02	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.23	606.08	0.85		689.51	606.06	0.85		1	-0.02	0.0							
18	Duck Ck	DuckCk	2183		690.45	606.05	0.91		690.36	606.04	0.92		0	-0.01	0.0							
18	Duck Ck	DuckCk	2053		691.95	606.03	0.87		690.83	606.01	0.87		-1	-0.02	0.0							
18	Duck Ck	DuckCk	1765		691.38	605.98	1.12		691.18	605.96	1.13		0	-0.02	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		668.04	605.49	0.88		667.91	605.48	0.88		0	-0.01	0.0							
18	Duck Ck	DuckCk	1358		668.96	605.48	0.81		670.02	605.47	0.82		1	-0.01	0.0							
18	Duck Ck	DuckCk	960		672.71	605.47	0.5		672.35	605.45	0.5		0	-0.02	0.0							
18	Duck Ck	DuckCk	792		675.58	605.47	0.36		672.39	605.45	0.36		-3	-0.02	0.0							
18	Duck Ck	DuckCk	572		673.71	605.43	1.3		673.1	605.41	1.3		-1	-0.02	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		668.58	605.33	0.97		666.22	605.31	0.97		-2	-0.02	0.0							
18	Duck Ck	DuckCk	264		669.03	605.33	0.79		666.02	605.31	0.79		-3	-0.02	0.0	18	1	-3	0.00	-0.02	0.0	0.0
15	Deep	JSLakeGeorg	124902		115.04	687.36	0.47		114.5	687.36	0.47		-1	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.82	687.29	0.76		201.76	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.52	687.23	0.65		153.28	687.23	0.65		0	0	0.0							
15	Deep	JSLakeGeorg	123542		152.77	687.19	0.71		153.29	687.19	0.71		1	0	0.0							
15	Deep	JSLakeGeorg	123075		124.25	687.15	0.54		124.54	687.15	0.55		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.17	687.14	0.09		53.22	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.92	687.14	0.08		43.93	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.89	687.13	0.1		43.94	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.05	687.13	0.11		45	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.18	687.13	0.17		45.24	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.5	687.13	0.17		40.45	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.43	687.12	0.17		40.42	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.23	687.11	0.6		248.21	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.27	687.08	1.04		248.31	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	120543		165.61	687.09	0.58		165.57	687.09	0.58		0	0	0.0							
15	Deep	JSLakeGeorg	120117		165.57	687.04	0.73		165.6	687.04	0.73		0	0	0.0							
15	Deep	JSLakeGeorg	119813		166.41	687.01	0.57		166.4	687.01	0.57		0	0	0.0							
15	Deep	JSLakeGeorg	119448		229.81	686.93	0.95		229.86	686.93	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	119071		263.63	686.81	1.11		263.67	686.81	1.11		0	0	0.0							
15	Deep	JSLakeGeorg	118751		262.97	686.71	1.13		263.53	686.71	1.13		1	0	0.0							
15	Deep	JSLakeGeorg	118584		262.57	686.64	1.21		262.56	686.64	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	118525		262.29	686.62	1.19		262.78	686.62	1.19		0	0	0.0							
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	118358		269.61	686.57	1.08		270.47	686.57	1.09		1	0	0.0							
15	Deep	JSLakeGeorg	117980		268.83	686.47	1.02		270.06	686.47	1.03		1	0	0.0							
15	Deep	JSLakeGeorg	117631		267.96	686.35	1.15		268.08	686.35	1.15		0	0	0.0							
15	Deep	JSLakeGeorg	117334		265.99	686.26	0.99		266.22	686.26	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		260.44	686.14	1.2		0	0	0.0							
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116736		253.57	686.04	1.13		253.32	686.04	1.12		0	0	0.0							
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116585		244.71	685.95	1.34		245.25	685.95	1.35		1	0	0.0							
15	Deep	JSLakeGeorg	116289		233.22	685.83	1.02		232.3	685.83	1.01		-1	0	0.0							
15	Deep	JSLakeGeorg	115998		220.88	685.74	1.07		222.01	685.74	1.08		1	0	0.0							
15	Deep	JSLakeGeorg	115832		217.24	685.71	0.88		218.38	685.71	0.89		1	0	0.0							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.72	685.71	0.77		218.54	685.71	0.77		0	0	0.0							
15	Deep	JSLakeGeorg	115310		212.64	685.66	0.81		212.53	685.66	0.81		0	0	0.0							
15	Deep	JSLakeGeorg	114871		279.48	685.57	0.95		279.72	685.57	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	114397		277.2	685.47	1		277.66	685.47	1		0	0	0.0							
15	Deep	JSLakeGeorg	113918		328.87	685.23	1.47		329.02	685.23	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	113720		332.88	685.14	1.36		333.4	685.14	1.36		1	0	0.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.28	685.1	1.28		332.3	685.1	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	113233		338.51	684.98	1.92		338.59	684.98	1.92		0	0	0.0							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.34	684.94	1.45		338.1	684.94	1.45		0	0	0.0							
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	112472		353.43	684.83	1.44		353.23	684.83	1.44		0	0	0.0							
15	Deep	JSLakeGeorg	111932		367.04	684.6	1.49		366.84	684.6	1.49		0	0	0.0							
15	Deep	JSLakeGeorg	111538		375.52	684.37	1.48		375.67	684.37	1.48		0	0	0.0							
15	Deep	JSLakeGeorg	111058		387.33	684.02	1.58		386.73	684.02	1.58		-1	0	0.0							
15	Deep	JSLakeGeorg	110793		394.8	683.88	1.05		394.46	683.88	1.05		0	0	0.0							
15	Deep	JSLakeGeorg	110465		404.54	683.71	1.47		404.49	683.71	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	110181		412.79	683.58	1.58		412.87	683.58	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.02	683.58	1.4		413.04	683.58	1.4		0	0	0.0							
15	Deep	JSLakeGeorg	110128		413.06	683.58	1.41		412.93	683.58	1.41		0	0	0.0							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.06	683.57	1.24		413.38	683.57	1.24		0	0	0.0							
15	Deep	JSLakeGeorg	109523		429.32	683.42	1.34		428.65	683.42	1.34		-1	0	0.0							
15	Deep	JSLakeGeorg	109022		444.23	683.24	1.22		444.27	683.24	1.22		0	0	0.0							
15	Deep	JSLakeGeorg	108612		457.33	683.03	1.62		457.41	683.03	1.62		0	0	0.0							
15	Deep	JSLakeGeorg	108112		472.97	682.77	1.38		473.08	682.77	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107495		492.77	682.54	1.37		492.68	682.54	1.37		0	0	0.0							
15	Deep	JSLakeGeorg	107156		503.38	682.42	1.36		503.7	682.42	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	106585		503.53	682.3	0.91		503.5	682.3	0.91		0	0	0.0							
15	Deep	JSLakeGeorg	106334		503.36	682.22	1.27		503.49	682.22	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	105956		503.41	682.09	1.28		503.55	682.09	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	105573		503.39	681.91	1.59		503.48	681.91	1.59		0	0	0.0							
15	Deep	JSLakeGeorg	105254		561.1	681.84	0.88		561.13	681.84	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		561.25	681.63	0.99		560.78	681.63	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	104691		561.08	681.58	1.16		560.82	681.58	1.16		0	0	0.0							
15	Deep	JSLakeGeorg	104222		560.65	681.46	1.28		560.86	681.46	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	104061		560.67	681.42	1.39		560.35	681.42	1.39		0	0	0.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		559.86	680.91	1.36		560.61	680.91	1.36		1	0	0.0							
15	Deep	JSLakeGeorg	103528		559.81	680.78	1.54		559.48	680.78	1.54		0	0	0.0							
15	Deep	JSLakeGeorg	103234		559.39	680.69	1.21		558.64	680.69	1.2		-1	0	0.0							
15	Deep	JSLakeGeorg	102805		644.33	680.51	1.65		644.43	680.51	1.65		0	0	0.0							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.16	680.28	2.03		0	0	0.0							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.51	679.44	1.79		644.16	679.44	1.79		0	0	0.0							
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	101538		644.35	679.05	2.2		644.5	679.05	2.2		0	0	0.0							
15	Deep	JSLakeGeorg	100981		643.15	678.5	1.95		643	678.5	1.95		0	0	0.0							
15	Deep	JSLakeGeorg	100383		359.16	678.32	0.78		359.3	678.32	0.79		0	0	0.0							
15	Deep	JSLakeGeorg	99713		354.83	678.24	0.85		354.59	678.24	0.85		0	0	0.0							
15	Deep	JSLakeGeorg	99064		411.77	678.16	0.93		411.68	678.16	0.93		0	0	0.0							
15	Deep	JSLakeGeorg	98521		315.78	678.12	0.64		315.97	678.12	0.64		0	0	0.0							
15	Deep	JSLakeGeorg	97818		917.15	677.96	1.87		917.16	677.96	1.87		0	0	0.0	15	1	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.85	677.53	1.88		917.73	677.53	1.88		0	0	0.0							
14	Deep	JSLakeGeorg	96861		917.51	677.47	0.91		917.62	677.47	0.91		0	0	0.0							
14	Deep	JSLakeGeorg	96112		1063.87	677.21	1.53		1063.49	677.21	1.53		0	0	0.0							
14	Deep	JSLakeGeorg	95541		1058.47	676.7	2.45		1058.83	676.7	2.46		0	0	0.0							
14	Deep	JSLakeGeorg	95034		942.88	676.3	1.89		942.94	676.3	1.89		0	0	0.0							
14	Deep	JSLakeGeorg	94436		914.49	675.88	2.16		913.59	675.88	2.16		-1	0	0.0							
14	Deep	JSLakeGeorg	93802		878.13	675.55	1.71		877.87	675.55	1.71		0	0	0.0							
14	Deep	JSLakeGeorg	93297		868.35	675.38	1.26		869	675.38	1.26		1	0	0.0							
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	JSLakeGeorg	92606		1130.88	675.17	1.37		1130.74	675.17	1.37		0	0	0.0							
14	Deep	JSLakeGeorg	91967		1130.79	675.04	1.34		1130.96	675.04	1.34		0	0	0.0							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.05	674.92	1.96		1131.15	674.92	1.96		0	0	0.0							
14	Deep	JSLakeGeorg	91400		1135.16	674.67	2.15		1135.22	674.67	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	90843		1141.12	674.47	0.81		1141.07	674.47	0.81		0	0	0.0							
14	Deep	JSLakeGeorg	90268		1147.12	674.24	1.86		1147.07	674.24	1.86		0	0	0.0							
14	Deep	JSLakeGeorg	89708		1153.25	673.92	1.98		1153.06	673.92	1.98		0	0	0.0							
14	Deep	JSLakeGeorg	89139		1159.25	673.73	1.4		1159.05	673.73	1.4		0	0	0.0							
14	Deep	JSLakeGeorg	88645		1164.15	673.51	1.74		1164.32	673.51	1.74		0	0	0.0							
14	Deep	JSLakeGeorg	88132		1169.57	673.19	2.15		1169.6	673.19	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	87170		1179.79	672.56	2.05		1179.77	672.56	2.05		0	0	0.0							
14	Deep	JSLakeGeorg	86814		1183.38	672.29	2.3		1183.26	672.29	2.3		0	0	0.0							
14	Deep	JSLakeGeorg	86497		1187.08	672.16	1.27		1187.09	672.16	1.27		0	0	0.0							
14	Deep	JSLakeGeorg	86248		1189.79	671.99	2.15		1189.72	671.99	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	85858		1193.37	671.66	2.22		1193.69	671.66	2.23		0	0	0.0							
14	Deep	JSLakeGeorg	85406		1197.95	671.33	2.19		1198.1	671.33	2.19		0	0	0.0							

14	Deep	JSLakeGeorg	84957		1202.29	670.93	2.57		1202.64	670.93	2.57		0	0	0.0						
14	Deep	JSLakeGeorg	84375		1208.06	670.3	3		1208.08	670.3	3		0	0	0.0						
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0						
14	Deep	JSLakeGeorg	84262		1208.22	670.19	3.16		1208.2	670.19	3.16		0	0	0.0						
14	Deep	JSLakeGeorg	83723		1213.86	669.85	1.84		1213.72	669.85	1.84		0	0	0.0						
14	Deep	JSLakeGeorg	83093		1220.34	669.47	1.73		1220.35	669.47	1.73		0	0	0.0						
14	Deep	JSLakeGeorg	82750		1223.97	669.28	1.85		1223.79	669.28	1.85		0	0	0.0						
14	Deep	JSLakeGeorg	82364		1227.61	669.04	2.03		1227.59	669.04	2.03		0	0	0.0						
14	Deep	JSLakeGeorg	81844		1232.91	668.84	1		1232.78	668.84	1		0	0	0.0						
14	Deep	JSLakeGeorg	81294		1238.58	668.73	0.97		1238.37	668.73	0.97		0	0	0.0						
14	Deep	JSLakeGeorg	80717		1244.8	668.43	2.09		1244.72	668.43	2.09		0	0	0.0						
14	Deep	JSLakeGeorg	80186		1250.16	668.03	2.33		1250.16	668.03	2.33		0	0	0.0						
14	Deep	JSLakeGeorg	79604		1256.28	667.68	2.06		1256	667.68	2.06		0	0	0.0						
14	Deep	JSLakeGeorg	79148		1260.23	667.42	1.93		1260.43	667.42	1.93		0	0	0.0						
14	Deep	JSLakeGeorg	78803		1259.75	667.15	2.47		1259.27	667.15	2.47		0	0	0.0						
14	Deep	JSLakeGeorg	78407		1258.2	666.87	2.22		1257.78	666.87	2.22		0	0	0.0	14	1	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	78285		1256.43	666.7	2.69		1256.68	666.7	2.7		0	0	0.0						
13	Deep	JSLakeGeorg	77848		1253.41	666.44	2.12		1253.55	666.44	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	77566		1248.89	666.25	1.96		1249.34	666.25	1.96		0	0	0.0						
13	Deep	JSLakeGeorg	77073		1436.77	665.89	2.03		1436.73	665.89	2.03		0	0	0.0						
13	Deep	JSLakeGeorg	76478		1436.64	665.58	1.69		1436.67	665.58	1.69		0	0	0.0						
13	Deep	JSLakeGeorg	76044		1440.09	665.45	1.36		1440.21	665.45	1.36		0	0	0.0						
13	Deep	JSLakeGeorg	75777		1442.33	665.35	1.64		1442.4	665.35	1.64		0	0	0.0						
13	Deep	JSLakeGeorg	75408		1445.41	665.22	1.44		1445.12	665.22	1.44		0	0	0.0						
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	75316		1445.46	665.16	1.42		1445.42	665.16	1.42		0	0	0.0						
13	Deep	JSLakeGeorg	74938		1448.91	664.88	2.42		1449.15	664.88	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.37	664.6	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74229		1434.9	664.37	1.72		1434.96	664.37	1.72		0	0	0.0						
13	Deep	JSLakeGeorg	73723		1434.3	663.89	2.84		1434.36	663.89	2.84		0	0	0.0						
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0						
13	Deep	JSLakeGeorg	73616		1331.32	663.83	2.5		1331.32	663.83	2.5		0	0	0.0						
13	Deep	JSLakeGeorg	73500		1326.74	663.76	2.34		1326.76	663.76	2.34		0	0	0.0						
13	Deep	JSLakeGeorg	72900		1516.57	663.16	2.1		1516.45	663.16	2.1		0	0	0.0						
13	Deep	JSLakeGeorg	72028		1516.41	662.28	2.53		1516.57	662.28	2.53		0	0	0.0						
13	Deep	JSLakeGeorg	71320		1516.5	661.73	1.46		1516.41	661.73	1.46		0	0	0.0						
13	Deep	JSLakeGeorg	71053		1516.42	661.62	2.25		1516.62	661.62	2.25		0	0	0.0						
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	70937		1516.63	661.38	3.21		1516.62	661.38	3.21		0	0	0.0						
13	Deep	JSLakeGeorg	70139		1516.28	660.86	1.97		1516.13	660.86	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	69435		1515.96	660.28	0.95		1515.99	660.28	0.95		0	0	0.0						
13	Deep	JSLakeGeorg	68193		1513.99	659.83	1.55		1514.38	659.83	1.55		0	0	0.0						
13	Deep	JSLakeGeorg	66864		1740.52	659.03	1.81		1740.64	659.03	1.81		0	0	0.0						
13	Deep	JSLakeGeorg	66388		1751.22	658.65	1.7		1751.26	658.65	1.7		0	0	0.0						
13	Deep	JSLakeGeorg	65488		1768.09	657.5	2.69		1768.02	657.5	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	64654		1782.76	656.2	2.21		1782.89	656.2	2.21		0	0	0.0						
13	Deep	JSLakeGeorg	63857		1799.27	655.26	1.78		1799.22	655.26	1.78		0	0	0.0						
13	Deep	JSLakeGeorg	63247		1811.49	654.81	1.59		1811.35	654.81	1.59		0	0	0.0						
13	Deep	JSLakeGeorg	62532		1824.47	654.54	0.65		1824.61	654.54	0.65		0	0	0.0						
13	Deep	JSLakeGeorg	62169		1833.35	654.35	3.23		1833.46	654.35	3.23		0	0	0.0						
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	62050		1833.92	654.31	3.2		1833.86	654.31	3.2		0	0	0.0						
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.51	654.04	1.91		0	0	0.0						
13	Deep	JSLakeGeorg	61270		1850.3	653.64	1.97		1850.53	653.64	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	61156		1853.47	653.47	1.88		1853.6	653.47	1.88		0	0	0.0						
13	Deep	JSLakeGeorg	60978		1858.88	653.25	1.52		1859.1	653.25	1.52		0	0	0.0						
13	Deep	JSLakeGeorg	60509		1870.3	652.75	2.02		1870.21	652.75	2.02		0	0	0.0						
13	Deep	JSLakeGeorg	59758		1882.62	651.82	2.43		1882.62	651.82	2.43		0	0	0.0						
13	Deep	JSLakeGeorg	58574		1899.07	650.7	1.92		1899.07	650.7	1.92		0	0	0.0						
13	Deep	JSLakeGeorg	57350		1918.61	649.76	2.04		1918.68	649.76	2.04		0	0	0.0						
13	Deep	JSLakeGeorg	56397		1935.69	648.74	2.2		1935.66	648.74	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	55724		1950.5	648.02	1.68		1950.31	648.02	1.68		0	0	0.0						
13	Deep	JSLakeGeorg	54755		1966.53	647.32	1.87		1966.6	647.32	1.87		0	0	0.0						
13	Deep	JSLakeGeorg	53123		1987.8	646.51	1.51		1987.94	646.51	1.51		0	0	0.0						
13	Deep	JSLakeGeorg	52077		2007.48	646.08	1.37		2007.46	646.08	1.37		0	0	0.0						
13	Deep	JSLakeGeorg	51203		2023.6	645.49	2.18		2023.97	645.49	2.18		0	0	0.0						
13	Deep	JSLakeGeorg	50734		2021.83	645.02	2.05		2021.59	645.02	2.05		0	0	0.0						
13	Deep	JSLakeGeorg	50234		2306.95	644.53	2.58		2307.17	644.53	2.58		0	0	0.0						
13	Deep	JSLakeGeorg	49556		2306.69	643.78	2.12		2306.59	643.78	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	48301		2306.43	642.98	1.76		2306.44	642.98	1.76		0	0	0.0						
13	Deep	JSLakeGeorg	47270		2306.24	642.25	2.2		2306.18	642.25	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	46606		2306.01	641.69	3.42		2305.99	641.69	3.42		0	0	0.0	13	0	0	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	46376		2306.09	641.2	3.33		2306.08	641.2	3.33		0	0	0.0						
12	Deep	JSLakeGeorg	45906		2305.89	640.92	2.11		2305.97	640.92	2.11		0	0	0.0						
12	Deep	JSLakeGeorg	45247		2313.88	639.84	2.9		2313.84	639.84	2.9		0	0	0.0						
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.78	638.7	3.02		0	0	0.0						
12	Deep	JSLakeGeorg	44232		2325.29	637.66	3.2		2325.31	637.66	3.2		0	0	0.0						
12	Deep	JSLakeGeorg	43908		2329.41	637	3.76		2329.79	637	3.76		0	0	0.0						
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43837		2329.91	636.63	5.07		2329.59	636.63	5.07		0	0	0.0						
12	Deep	JSLakeGeorg	43461		2334.43	636.09	5.08		2334.31	636.09	5.08		0	0	0.0						
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43390		2334.74	636.08	4.73		2334.64	636.08	4.73		0	0	0.0						
12	Deep	JSLakeGeorg	43242		2335.58	635.82	3.64		2335.46	635.82	3.64		0	0	0.0						
12	Deep	JSLakeGeorg	43046		2337.5	635.29	3.07		2337.52	635.29	3.07		0	0	0.0						
12	Deep	JSLakeGeorg	43012		2338.32	635.12	4.42		2338.34	635.12	4.42		0	0	0.0						
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	42973		2338.71	635.12	3.42		2338.39	635.12	3.42		0	0	0.0						
12	Deep	JSLakeGeorg	42477		2341.55	634.79	2.45		2340.93	634.79	2.45		-1	0	0.0						
12	Deep	JSLakeGeorg	41418		2351.63	634.04	0.56		2351.33	634.04	0.56		0	0	0.0						
12	Deep	JSLakeGeorg	39881		2362.59	633.36	2.16		2362.74	633.36	2.16		0	0	0.0						
12	Deep	JSLakeGeorg	39554		2366.79	633.04	1.62		2366.62	633.04	1.62		0	0	0.0						
12	Deep	JSLakeGeorg	38999		2371.76	632.77	1.67		2371.92	632.77	1.67		0	0	0.0						
12	Deep	JSLakeGeorg	38116		2379.26	632.39	1.57		2379	632.39	1.57		0	0	0.0						
12	Deep	JSLakeGeorg	37703		2384.7	632.03	4.29		2384.52	632.03	4.29		0	0	0.0						
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0						
12	Deep	JSLakeGeorg	37554		2384.19	629.91	4.81		2384.4	629.91	4.81		0	0	0.0						
12	Deep	JSLakeGeorg	36999		2391.19	629.33	2.2		2391.18	629.33	2.2		0	0	0.0						
12	Deep	JSLakeGeorg	36181		2399.62	628.19	2.31		2399.51	628.19	2.31		0	0	0.0						
12	Deep	JSLakeGeorg	35034		2406.86	627.21	2.07		2406.9	627.21	2.07		0	0	0.0						
12	Deep	JSLakeGeorg	34012		2415.24	626.27	2.17		2414.9	626.27	2.17		0	0	0.0						
12	Deep	JSLakeGeorg	33338		2421.64	625.71	1.52		2421.86	625.71	1.52		0	0	0.0						
12	Deep	JSLakeGeorg	32345		2429.27	625.16	2.88		2428.68	625.16	2.88		-1	0	0.0						
12	Deep	JSLakeGeorg	31526		2438.57	624.62	3.12		2438.16	624.62	3.11		0	0	0.0						
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0						

12	Deep	USLakeGeorg	31444		2438.93	624.18	4.62		2438.67	624.18	4.62		0	0	0.0						
12	Deep	USLakeGeorg	30859		2444.98	623.78	1.85		2444.41	623.78	1.85		-1	0	0.0						
12	Deep	USLakeGeorg	30141		2452.22	623.29	1.41		2452.02	623.29	1.41		0	0	0.0						
12	Deep	USLakeGeorg	28772		2464.22	622.22	1.84		2463.98	622.22	1.84		0	0	0.0						
12	Deep	USLakeGeorg	27969		2471.39	621.45	1.72		2471.45	621.45	1.72		0	0	0.0						
12	Deep	USLakeGeorg	26706		2478.54	620.78	1.73		2478.49	620.78	1.73		0	0	0.0						
12	Deep	USLakeGeorg	25820		2483.44	620.3	1.61		2483.47	620.3	1.61		0	0	0.0						
12	Deep	USLakeGeorg	24753		2490.41	619.7	1.79		2490.31	619.7	1.79		0	0	0.0						
12	Deep	USLakeGeorg	24277		2494.6	619.37	1.56		2494.73	619.37	1.56		0	0	0.0						
12	Deep	USLakeGeorg	23302		2503.06	618.89	1.36		2503.22	618.89	1.36		0	0	0.0						
12	Deep	USLakeGeorg	22507		2510.78	618.56	1.37		2510.7	618.56	1.37		0	0	0.0						
12	Deep	USLakeGeorg	21518		2517.97	618.09	1.86		2517.4	618.09	1.86		-1	0	0.0						
12	Deep	USLakeGeorg	20795		2525.82	617.63	1.51		2524.71	617.62	1.51		-1	-0.01	0.0						
12	Deep	USLakeGeorg	20086		2531.6	617.28	1.6		2532.21	617.28	1.61		1	0	0.0						
12	Deep	USLakeGeorg	19928		2534.1	617.22	1.54		2533.95	617.21	1.54		0	-0.01	0.0						
12	Deep	USLakeGeorg	19407		2539.67	617	3.49		2539.8	616.99	3.49		0	-0.01	0.0	12	1	-1	0.00	-0.01	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0						
11	Deep	USLakeGeorg	19273		2540.37	616.97	3.07		2540.35	616.97	3.07		0	0	0.0						
11	Deep	USLakeGeorg	18982		2543.61	616.88	1.6		2543.54	616.88	1.61		0	0	0.0						
11	Deep	USLakeGeorg	18179		2551.17	616.44	1.96		2550.97	616.43	1.96		0	-0.01	0.0						
11	Deep	USLakeGeorg	16616		2562.58	615.44	2.05		2562.03	615.44	2.06		-1	0	0.0						
11	Deep	USLakeGeorg	16067		2561.85	615.06	1.29		2562.07	615.05	1.29		0	-0.01	0.0						
11	Deep	USLakeGeorg	15127		2562.13	614.8	1.18		2561.86	614.79	1.18		0	-0.01	0.0						
11	Deep	USLakeGeorg	14039		2561.77	614.49	1.27		2561.1	614.48	1.27		-1	-0.01	0.0						
11	Deep	USLakeGeorg	12507		2561.3	614.09	1.39		2561.49	614.08	1.39		0	-0.01	0.0						
11	Deep	USLakeGeorg	11631		2852.78	613.91	0.72		2850.94	613.9	0.72		-2	-0.01	0.0						
11	Deep	USLakeGeorg	10855		2852.31	613.77	1.05		2850.02	613.75	1.05		-2	-0.02	0.0						
11	Deep	USLakeGeorg	9782		2852.21	613.49	2.87		2850.39	613.47	2.87		-2	-0.02	0.0	11	0	-2	0.00	-0.02	0.0	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	9630		2852.61	613.27	2.82		2850.6	613.26	2.83		-2	-0.01	0.0						
10	Deep	USLakeGeorg	9188		2852.72	613.2	1.46		2850.9	613.18	1.46		-2	-0.02	0.0						
10	Deep	USLakeGeorg	8897		2852.16	613.13	0.81		2849.84	613.11	0.81		-2	-0.02	0.0						
10	Deep	USLakeGeorg	8295		2852.35	613	1.65		2850.19	612.98	1.66		-2	-0.02	0.0						
10	Deep	USLakeGeorg	8102		2889.94	612.9	1		2886.72	612.88	1		-3	-0.02	0.0						
10	Deep	USLakeGeorg	7054		2889.72	612.6	1.92		2887.11	612.57	1.92		-3	-0.03	0.0						
10	Deep	USLakeGeorg	6756		2889.04	612.39	1.4		2886.64	612.37	1.41		-2	-0.02	0.0						
10	Deep	USLakeGeorg	6208		2888.96	612.12	1.76		2886.93	612.09	1.76		-2	-0.03	0.0						
10	Deep	USLakeGeorg	5892		2888.42	611.99	1.72		2886.54	611.97	1.73		-2	-0.02	0.0						
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	5782		2888.52	611.91	2.02		2887.8	611.88	2.03		-1	-0.03	0.0						
10	Deep	USLakeGeorg	5461		2888.38	611.86	1.11		2886.56	611.83	1.11		-2	-0.03	0.0						
10	Deep	USLakeGeorg	5071		2889.18	611.79	0.86		2886.43	611.76	0.87		-3	-0.03	0.0						
10	Deep	USLakeGeorg	4635		2888.08	611.73	1.39		2886.29	611.7	1.39		-2	-0.03	0.0						
10	Deep	USLakeGeorg	3552		2887.43	611.6	0.92		2886.07	611.57	0.92		-1	-0.03	0.0						
10	Deep	USLakeGeorg	2936		2885.63	611.52	1.03		2884.01	611.49	1.03		-2	-0.03	0.0						
10	Deep	USLakeGeorg	1907		2885.45	611.41	1.51		2882.26	611.38	1.52		-3	-0.03	0.0						
10	Deep	USLakeGeorg	1253		2883.77	611.27	1.3		2882.6	611.23	1.3		-1	-0.04	0.0						
10	Deep	USLakeGeorg	620		2881.15	611.18	1.68		2881.58	611.15	1.69		0	-0.03	0.0	10	0	-3	0.00	-0.04	0.0	0.0
9	Deep	USDuck	75919.1		5054.32	611.06	2.17		5039.53	611.03	2.17		-15	-0.03	0.0						
9	Deep	USDuck	75919		5055.06	611.06	2.17		5039.11	611.03	2.17		-16	-0.03	0.0						
9	Deep	USDuck	74577		5060.33	611	0.59		5043.31	610.97	0.59		-17	-0.03	0.0						
9	Deep	USDuck	73646		5065.04	610.99	0.5		5049.01	610.96	0.5		-16	-0.03	0.0						
9	Deep	USDuck	73085		5067.88	610.99	0.55		5051.81	610.96	0.55		-16	-0.03	0.0						
9	Deep	USDuck	72588		5071.1	610.98	0.79		5052.78	610.95	0.79		-18	-0.03	0.0						
9	Deep	USDuck	72272		5072.6	610.93	1.98		5054.52	610.89	1.98		-18	-0.04	0.0	9	-15	-18	-0.03	-0.04	0.0	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0						
8	Deep	USDuck	72091		5068.03	610.1	3.41		5051.29	610.07	3.41		-17	-0.03	0.0						
8	Deep	USDuck	71748		5071.11	610.16	0.94		5053.96	610.12	0.94		-17	-0.04	0.0						
8	Deep	USDuck	71471		5072.06	610.16	0.83		5055.44	610.12	0.83		-17	-0.04	0.0						
8	Deep	USDuck	70800		5076.42	610.14	0.76		5058.54	610.11	0.76		-18	-0.03	0.0						
8	Deep	USDuck	70081		5079.77	610.13	0.92		5063.09	610.09	0.92		-17	-0.04	0.0						
8	Deep	USDuck	69112		5085.46	610.1	1		5067.29	610.07	1		-18	-0.03	0.0						
8	Deep	USDuck	68349		5089.41	610.1	0.67		5071.58	610.07	0.63		-18	-0.03	0.0						
8	Deep	USDuck	68057		5091.12	610.05	1.93		5072.73	610.04	1.66		-18	-0.01	-0.3						
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0						
8	Deep	USDuck	67862		5091.04	610.04	1.01		5073.59	610.02	1.01		-17	-0.02	0.0						
8	Deep	USDuck	67287		5094	610.04	0.57		5076.09	610.02	0.57		-18	-0.02	0.0						
8	Deep	USDuck	66449		5099.15	610.03	0.83		5080.99	610.01	0.83		-18	-0.02	0.0						
8	Deep	USDuck	65658		5103.32	610.02	0.6		5084.8	610.01	0.6		-19	-0.01	0.0						
8	Deep	USDuck	64951		5106.69	610.02	0.6		5088.57	610	0.6		-18	-0.02	0.0						
8	Deep	USDuck	64403		5109.73	610	1.11		5091.5	609.98	1.11		-18	-0.02	0.0						
8	Deep	USDuck	64140		5111.3	609.81	4.02		5092.57	609.79	4.01		-19	-0.02	0.0						
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0						
8	Deep	USDuck	63973		5111.05	608.92	3.39		5092.77	608.91	3.38		-18	-0.01	0.0						
8	Deep	USDuck	63867		5111.66	609.01	2.06		5093.08	609	2.06		-19	-0.01	0.0						
8	Deep	USDuck	63747		5112.03	609	1.98		5093.51	608.99	1.98		-19	-0.01	0.0						
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0						
8	Deep	USDuck	63518		5112.06	608.74	2.1		5093.63	608.73	2.09		-18	-0.01	0.0						
8	Deep	USDuck	63249		5113.91	608.77	0.84		5095.04	608.77	0.84		-19	0	0.0						
8	Deep	USDuck	62725		5113.85	608.78	0.4		5095.31	608.77	0.4		-19	-0.01	0.0						
8	Deep	USDuck	62349		5113.82	608.78	0.41		5095.21	608.77	0.41		-19	-0.01	0.0	8	-17	-19	0.00	-0.04	0.0	-0.3
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0						
7	Deep	USDuck	62095		5111.08	605.78	2.16		5092.81	605.75	2.15		-18	-0.03	0.0						
7	Deep	USDuck	61997		5110.81	605.81	1.26		5092.7	605.79	1.26		-18	-0.02	0.0						
7	Deep	USDuck	61825		5110.81	605.76	2.22		5092.43	605.73	2.21		-18	-0.03	0.0						
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0						
7	Deep	USDuck	61668		5109.62	605.2	3.78		5091.99	605.18	3.78		-18	-0.02	0.0						
7	Deep	USDuck	61549		5108.79	605.27	2.78		5092.3	605.25	2.77		-16	-0.02	0.0						
7	Deep	DSDuck	961329		5777.85	605.23	2.61		5758.23	605.21	2.6		-20	-0.02	0.0						
7	Deep	DSDuck	961230		5777.97	605.24	2.44		5758.2	605.22	2.44		-20	-0.02	0.0	7	-16	-20	0.00	-0.03	0.0	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0						
6	Deep	DSDuck	960993		5777.01	605.1	2.24		5758.28	605.08	2.24		-19	-0.02	0.0						
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0						
6	Deep	DSDuck	960895		5777.02	605.11	1.99		5758.11	605.09	1.99		-19	-0.02	0.0						
6	Deep	DSDuck	960679		5776.25	605.08	1.9		5757.74	605.06	1.89		-19	-0.02	0.0						
6	Deep	DSDuck	960529		5746.02	605.04	2.18		5727.29	605.02	2.17		-19	-0.02	0.0						
6	Deep	DSDuck	959872		4657.56	604.95	1.73		4648.7	604.93	1.73		-9	-0.02	0.0						
6	Deep	DSDuck	959178		5773.32	604.85	1.87		5754.16	604.83	1.86		-19	-0.02	0.0						
6	Deep	DSDuck	958649		5772.22	604.75	1.98		5754.4	604.73	1.98		-18	-0.02	0.0						
6	Deep	DSDuck	957989		5771.45	604.67	1.58		5753.4	604.65	1.58		-18	-0.02	0.0						
6	Deep	DSDuck	957262		5771.76	604.54	2.01		5752.45	604.53	2.01		-19	-0.01	0.0						
6	Deep	DSDuck	956509		5770.4	604.39	2.8		5752.1	604.37	2.79		-18	-0.02	0.0	6	-9	-19	0.00	-0.02	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0						
5	Deep	DSDuck	956282		5767.17	603.85	3.05		5749.18	603.84	3.05		-18	-0.01	0.0						
5	Deep	DSDuck	956184		5767.32	603.87	2.65		5749.99	603.85	2.65		-17	-0.02	0.0						
5	Deep	DSDuck	956039		5767.02	603.87	2.1		5749.8	603.86	2.09		-17	-0.01	0.0						
5	Deep	DSDuck	955916		5767.82	603.87	1.88		5749.77	603.85	1.87		-18	-0.02	0.0						

5	Deep	DSDuck	955614		5766.99	603.84	1.85		5748.15	603.82	1.84		-19	-0.02	0.0							
5	Deep	DSDuck	954784		5765.28	603.71	2.12		5746.79	603.7	2.11		-18	-0.01	0.0							
5	Deep	DSDuck	954658		5800.47	603.47	4.65		5782.34	603.46	4.64		-18	-0.01	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5796	603.24	3.38		5780.1	603.22	3.38		-16	-0.02	0.0							
5	Deep	DSDuck	954427		5797.75	603.24	3.38		5779.36	603.22	3.38		-18	-0.02	0.0							
5	Deep	DSDuck	954107		5841.48	603.24	2.18		5826.13	603.23	2.18		-15	-0.01	0.0							
5	Deep	DSDuck	953696		5840.67	603.13	2.64		5824.41	603.11	2.64		-16	-0.02	0.0							
5	Deep	DSDuck	953203		5840.53	603.08	2.04		5822.95	603.06	2.04		-18	-0.02	0.0							
5	Deep	DSDuck	952132		5835.12	602.91	2.44		5820.79	602.89	2.43		-14	-0.02	0.0							
5	Deep	DSDuck	951884		5836.41	602.82	2.56		5818.42	602.8	2.56		-18	-0.02	0.0							
5	Deep	DSDuck	951566		5835.16	602.74	2.58		5817.96	602.72	2.57		-17	-0.02	0.0							
5	Deep	DSDuck	950991		5832.6	602.62	2.84		5815.46	602.61	2.84		-17	-0.01	0.0							
5	Deep	DSDuck	950682		5831.47	602.58	2.28		5815.44	602.57	2.27		-16	-0.01	0.0							
5	Deep	DSDuck	949909		5828.42	602.42	2.42		5812.23	602.41	2.42		-16	-0.01	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5602.19	602.35	2.09		5587.09	602.33	2.09		-15	-0.02	0.0							
5	Deep	DSDuck	949168		5615.36	602.34	1.91		5598.67	602.33	1.91		-17	-0.01	0.0							
5	Deep	DSDuck	948729		5824.51	602.26	2.27		5809.63	602.25	2.27		-15	-0.01	0.0	5	-14	-19	0.00	-0.02	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5820.65	601.98	1.74		5805.87	601.97	1.74		-15	-0.01	0.0							
4	Deep	DSDuck	948480		5822.46	601.98	1.74		5805.07	601.97	1.74		-17	-0.01	0.0							
4	Deep	DSDuck	948428		6029.75	601.99	1.52		6011.9	601.97	1.51		-18	-0.02	0.0							
4	Deep	DSDuck	948174		6029.89	601.95	1.77		6011.29	601.94	1.77		-19	-0.01	0.0							
4	Deep	DSDuck	947566		6027.57	601.86	1.67		6009.47	601.85	1.67		-18	-0.01	0.0							
4	Deep	DSDuck	946997		6022.61	601.67	2.47		6006.04	601.66	2.46		-17	-0.01	0.0							
4	Deep	DSDuck	946167		6020.93	601.59	1.34		6004.59	601.58	1.34		-16	-0.01	0.0							
4	Deep	DSDuck	945248		6020.67	601.54	1.58		6002.49	601.53	1.58		-18	-0.01	0.0							
4	Deep	DSDuck	944337		6019.43	601.47	1.51		6002.8	601.46	1.51		-17	-0.01	0.0							
4	Deep	DSDuck	942778		6014.52	601.1	3.69		5998.56	601.09	3.69		-16	-0.01	0.0							
4	Deep	DSDuck	942375		6013.04	600.98	3.49		5996.19	600.96	3.49		-17	-0.02	0.0							
4	Deep	DSDuck	942129		6011.55	600.9	3.53		5994.75	600.89	3.54		-17	-0.01	0.0							
4	Deep	DSDuck	941984		6010.3	600.73	4.43		5993.61	600.72	4.43		-17	-0.01	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		6010.12	600.72	3.27		5992.94	600.71	3.27		-17	-0.01	0.0							
4	Deep	DSDuck	941433		6004.29	600.41	4.13		5988.48	600.4	4.13		-16	-0.01	0.0							
4	Deep	DSDuck	940705		5998.79	600.14	3.16		5982.43	600.13	3.16		-16	-0.01	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5993.29	599.84	4.07		5974.06	599.82	4.06		-19	-0.02	0.0							
4	Deep	DSDuck	940382		5991.93	599.87	1.84		5976.48	599.85	1.84		-15	-0.02	0.0							
4	Deep	DSDuck	939456		5991.39	599.77	1.86		5974.17	599.76	1.86		-17	-0.01	0.0							
4	Deep	DSDuck	938026		5988.12	599.67	1.95		5971.99	599.66	1.94		-16	-0.01	0.0							
4	Deep	DSDuck	937064		5981.11	599.3	3.52		5962.66	599.29	3.51		-18	-0.01	0.0							
4	Deep	DSDuck	936422		5979.5	599.19	2.92		5960.61	599.17	2.92		-19	-0.02	0.0							
4	Deep	DSDuck	935423		5971.41	598.99	2.89		5951.39	598.98	2.89		-20	-0.01	0.0							
4	Deep	DSDuck	934734		6058.49	598.89	2.69		6040.04	598.88	2.69		-18	-0.01	0.0							
4	Deep	DSDuck	934223		6052.27	598.82	2.56		6036.1	598.81	2.56		-16	-0.01	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6053.33	598.3	2.78		6029.99	598.29	2.78		-23	-0.01	0.0							
4	Deep	DSDuck	933391		6050.43	598.23	2.61		6030.97	598.21	2.6		-19	-0.02	0.0							
4	Deep	DSDuck	932574		5939.54	597.99	3.06		5898.97	597.98	3.05		-41	-0.01	0.0							
4	Deep	DSDuck	931721		5897.77	597.79	2.91		5857.65	597.79	2.9		-40	0	0.0							
4	Deep	DSDuck	931117		5886.62	597.75	2.35		5840.77	597.74	2.33		-46	-0.01	0.0							
4	Deep	DSDuck	930406		5871.71	597.68	2.26		5820.41	597.68	2.24		-51	0	0.0							
4	Deep	DSDuck	929978		5851.53	597.63	2.22		5797.26	597.62	2.2		-54	-0.01	0.0							
4	Deep	DSDuck	929807		5838.68	597.58	2.61		5788.12	597.58	2.59		-51	0	0.0	4	-15	-54	0.00	-0.02	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5828.56	597.4	2.78		5757.73	597.39	2.74		-71	-0.01	0.0							
3	Deep	DSDuck	929174		5812.45	597.38	2.18		5743.46	597.38	2.15		-69	0	0.0							
3	Deep	DSDuck	928469		5776.42	597.29	2.43		5700.37	597.29	2.4		-76	0	0.0							
3	Deep	DSDuck	927523		5717.38	597.13	2.96		5584.02	597.13	2.89		-133	0	-0.1							
3	Deep	DSDuck	926814		5698.22	597.08	2.46		5553.56	597.09	2.4		-145	0.01	-0.1							
3	Deep	DSDuck	926669		5682.19	597.04	2.66		5532.26	597.05	2.59		-150	0.01	-0.1							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5681.65	597.04	1.93		5523.36	597.05	1.88		-158	0.01	-0.1							
3	Deep	DSDuck	925793		5634.14	596.94	2.6		5473.59	596.95	2.52		-161	0.01	-0.1							
3	Deep	DSDuck	925300		5582.21	596.88	2.48		5447.2	596.9	2.41		-135	0.02	-0.1							
3	Deep	DSDuck	925073		5571.32	596.85	2.2		5443.36	596.87	2.14		-128	0.02	-0.1							
3	Deep	DSDuck	924833		5490.47	596.77	2.94		5399.98	596.79	2.88		-90	0.02	-0.1							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5440.47	595.99	3.29		5341.07	596.02	3.22		-99	0.03	-0.1							
3	Deep	DSDuck	924342		5332.69	595.92	3.01		5311.23	595.96	2.98		-21	0.04	0.0							
3	Deep	DSDuck	924002		5292.99	595.86	2.82		5287.05	595.9	2.8		-6	0.04	0.0							
3	Deep	DSDuck	923827		5262.26	595.82	2.86		5270.23	595.86	2.84		8	0.04	0.0							
3	Deep	DSDuck	923771		5231.25	595.78	3.4		5257.13	595.81	3.39		26	0.03	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5209.36	595.73	2.3		5244.59	595.76	2.3		35	0.03	0.0							
3	Deep	DSDuck	923653		5200.93	595.7	2.37		5230.2	595.73	2.37		29	0.03	0.0							
3	Deep	DSDuck	923529		5177.84	595.64	3.2		5214.38	595.67	3.2		37	0.03	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5185.22	595.64	2.73		5212.27	595.68	2.72		27	0.04	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5177.56	595.63	2.71		5204.82	595.67	2.71		27	0.04	0.0							
3	Deep	DSDuck	923408		5164.05	595.61	3.17		5195.77	595.65	3.17		32	0.04	0.0							
3	Deep	DSDuck	923308		5155.18	595.6	2.83		5181.94	595.64	2.83		27	0.04	0.0							
3	Deep	DSDuck	923080		5133.26	595.6	2.38		5156.54	595.64	2.38		23	0.04	0.0							
3	Deep	DSDuck	922636		5122.21	595.55	2.75		5139.49	595.59	2.74		17	0.04	0.0							
3	Deep	DSDuck	922169		5085.8	595.5	2.65		5099.86	595.54	2.64		14	0.04	0.0							
3	Deep	DSDuck	921587		5162.34	595.38	2.94		5191.95	595.42	2.95		30	0.04	0.0							
3	Deep	DSDuck	921501		5116.32	595.24	4		5144.23	595.28	4.01		28	0.04	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5067.04	595.1	3.63		5090.63	595.14	3.64		24	0.04	0.0							
3	Deep	DSDuck	921039.1		5064.43	595.1	3.63		5090.62	595.14	3.64		26	0.04	0.0							
3	Deep	DSDuck	921039		5063.03	595.1	3.63		5089.79	595.14	3.64		27	0.04	0.0	3	37	-161	0.04	-0.01	0.0	-0.1
1	Burns	Burns	920939		5245.13	595.1	3.89		5296.86	595.14	3.92		52	0.04	0.0							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5233.14	594.98	4.14		5283.27	595.02	4.17		50	0.04	0.0							
1	Burns	Burns	920468		5230.76	594.95	3.96		5277.66	594.99	3.98		47	0.04	0.0							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5071.14	594.94	3.5		5108.69	594.98	3.52		38	0.04	0.0							
1	Burns	Burns	919872		5103.06	594.88	3.41		5139.14	594.92	3.42		36	0.04	0.0							
1	Burns	Burns	919832		5186.18	594.87	3.39		5224.62	594.91	3.4		38	0.04	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5160.53	594.68	3.89		5204.65	594.71	3.9		44	0.03	0.0							
1	Burns	Burns	919588		5162.84	594.68	3.82		5204.71	594.71	3.84		42	0.03	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5172.73	594.75	2.85		5204.37	594.78	2.86		32	0.03	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919340		4932.01	594.73	2.92		4968.35	594.76	2.93		36	0.03	0.0						
1	Burns	Burns	919021		4053.83	594.78	2.1		4078.1	594.82	2.11		24	0.04	0.0						
1	Burns	Burns	918058		2245.39	594.8	1.32		2256.87	594.84	1.33		11	0.04	0.0						
1	Burns	Burns	917449		1613.95	594.81	0.99		1625.61	594.84	0.99		12	0.03	0.0						
1	Burns	Burns	916752		1822.23	594.78	1.11		1798.78	594.82	1.09		-23	0.04	0.0						
1	Burns	Burns	916647		1874.21	594.77	1.26		1844.62	594.81	1.24		-30	0.04	0.0						
1	Burns	Burns	916591		Bridge				Bridge					0	0.0						
1	Burns	Burns	916504		1874.6	594.76	1.24		1844.88	594.8	1.22		-30	0.04	0.0						
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916384		1875.9	594.75	1.19		1844.14	594.79	1.17		-32	0.04	0.0						
1	Burns	Burns	915170		1177.68	594.75	0.79		1138.22	594.79	0.77		-39	0.04	0.0						
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	913799		1086.36	594.74	0.73		1033.81	594.78	0.7		-53	0.04	0.0						
1	Burns	Burns	912165		1366.73	594.72	0.81		1306.86	594.76	0.77		-60	0.04	0.0						
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	911500		2150.8	594.67	1.34		2061.68	594.72	1.28		-89	0.05	-0.1						
1	Burns	Burns	909818		3235.75	594.52	1.92		3193.9	594.57	1.89		-42	0.05	0.0						
1	Burns	Burns	907147		5040.35	594.08	2.9		5079.85	594.13	2.91		40	0.05	0.0						
1	Burns	Burns	905522		5049.17	593.84	2.82		5092.9	593.88	2.83		44	0.04	0.0						
1	Burns	Burns	905438		Bridge				Bridge					0	0.0						
1	Burns	Burns	905364		5049.17	593.79	2.83		5092.02	593.84	2.84		43	0.05	0.0						
1	Burns	Burns	904862		5007.02	593.69	3.03		5083.89	593.74	3.05		77	0.05	0.0						
1	Burns	Burns	904213		5000.17	593.61	2.79		5044.05	593.65	2.8		44	0.04	0.0						
1	Burns	Burns	903765		4990.99	593.53	2.85		5036.46	593.58	2.87		45	0.05	0.0						
1	Burns	Burns	903487		4987.72	593.5	2.73		5032.9	593.55	2.74		45	0.05	0.0						
1	Burns	Burns	903304		Bridge				Bridge					0	0.0						
1	Burns	Burns	903222		4980.29	593.37	3.02		5023.23	593.41	3.03		43	0.04	0.0						
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	902545		4913.42	593.28	2.82		5017.31	593.32	2.88		104	0.04	0.1						
1	Burns	Burns	902215		4816.03	593.24	2.8		4916.18	593.28	2.85		100	0.04	0.1						
1	Burns	Burns	901966		4815.87	593.2	2.88		4914.51	593.24	2.94		99	0.04	0.1						
1	Burns	Burns	901643		4922.18	593.21	2.32		5021.53	593.25	2.36		99	0.04	0.0						
1	Burns	Burns	901478		Bridge				Bridge					0	0.0						
1	Burns	Burns	901218		4843.57	593.07	2.39		4955.43	593.1	2.43		112	0.03	0.0						
1	Burns	Burns	900573		4835.53	592.96	2.92		4949.84	592.99	2.98		114	0.03	0.1						
1	Burns	Burns	900081		4833.44	592.91	2.82		4908.2	592.93	2.86		75	0.02	0.0						
1	Burns	Burns	18866		4833.54	592.9	2.72		4908.22	592.93	2.76		75	0.03	0.0						
1	Burns	Burns	18616		4829.5	592.76	3.62		4858.44	592.79	3.63		29	0.03	0.0						
1	Burns	Burns	18571		Bridge				Bridge					0	0.0						
1	Burns	Burns	18530		4830.82	592.81	3.03		4858.44	592.83	3.04		28	0.02	0.0						
1	Burns	Burns	18529		4830.6	592.81	3.03		4860.6	592.83	3.05		30	0.02	0.0						
1	Burns	Burns	18452		Bridge				Bridge					0	0.0						
1	Burns	Burns	18365		4831.67	591.46	2.82		4858.57	591.49	2.84		27	0.03	0.0						
1	Burns	Burns	18249		4832.38	591.46	2.68		4860.71	591.48	2.69		28	0.02	0.0						
1	Burns	Burns	18079		5092.84	591.36	3.26		5121.14	591.38	3.27		28	0.02	0.0						
1	Burns	Burns	18078		5092.81	591.36	3.25		5121.12	591.38	3.27		28	0.02	0.0						
1	Burns	Burns	18017		Bridge				Bridge					0	0.0						
1	Burns	Burns	17972		5023.95	591.17	3.68		5116.49	591.19	3.74		93	0.02	0.1						
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	17309		5019.75	591.11	2.84		5115.96	591.12	2.9		96	0.01	0.1						
1	Burns	Burns	16898		4975.12	591.05	2.75		5114.56	591.06	2.82		139	0.01	0.1						
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	15741		4927.13	590.82	3.1		4982.24	590.83	3.13		55	0.01	0.0						
1	Burns	Burns	13924		4949.34	590.53	2.89		4958.2	590.53	2.9		9	0	0.0						
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	13011		4991.44	590.4	2.75		4998.95	590.41	2.76		8	0.01	0.0						
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	12071		4988.06	590.25	2.85		4995.58	590.26	2.85		8	0.01	0.0						
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	10554		4984.46	590.1	2.25		4989.42	590.11	2.25		5	0.01	0.0						
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	9194		5012.67	589.95	2.34		5017.42	589.96	2.34		5	0.01	0.0						
1	Burns	Burns	7751		5006.69	589.81	2.29		5015.19	589.81	2.29		9	0	0.0						
1	Burns	Burns	7232		5002.49	589.76	2.21		5013.93	589.76	2.22		11	0	0.0						
1	Burns	Burns	5385		4989.1	589.56	2.29		4996.85	589.56	2.29		8	0	0.0						
1	Burns	Burns	4161		4915.27	589.4	2.58		4910.75	589.39	2.58		-5	-0.01	0.0						
1	Burns	Burns	3756		14040.52	588.66	4.59		14043.18	588.66	4.59		3	0	0.0						
1	Burns	Burns	3276		14040.47	588.42	5.05		14043.14	588.42	5.05		3	0	0.0						
1	Burns	Burns	2944		14121.73	588.18	5.6		14122.62	588.18	5.6		1	0	0.0						
1	Burns	Burns	2144		14121.32	588.26	2.1		14122.32	588.27	2.1		1	0.01	0.0						
1	Burns	Burns	1865		Bridge				Bridge					0	0.0						
1	Burns	Burns	1794		14121.29	587.12	6.12		14122.58	587.12	6.12		1	0	0.0						
1	Burns	Burns	1793		14121.49	587.12	6.11		14122.48	587.12	6.11		1	0	0.0						
1	Burns	Burns	1758		Bridge				Bridge					0	0.0						
1	Burns	Burns	1700		14121.5	586.56	7.29		14122.34	586.56	7.29		1	0	0.0						
1	Burns	Burns	1699		14121.03	586.56	7.28		14122.57	586.56	7.28		2	0	0.0						
1	Burns	Burns	1634		Bridge				Bridge					0	0.0						
1	Burns	Burns	1579		14121.51	586.98	4.9		14122.61	586.98	4.9		1	0	0.0						
1	Burns	Burns	1518		14121.57	586.95	4.85		14122.43	586.95	4.85		1	0	0.0						
1	Burns	Burns	784		14121.29	586.64	4.83		14121.98	586.64	4.83		1	0	0.0						
1	Burns	Burns	682		14121.19	586.5	5.36		14122.11	586.5	5.36		1	0	0.0						
1	Burns	Burns	588		Bridge				Bridge					0	0.0						
1	Burns	Burns	532.1		14121.14	584.63	9.08		14122.35	584.63	9.08		1	0	0.0						
1	Burns	Burns	532		14121.29	584.91	8.03		14122.29	584.91	8.03		1	0	0.0						
1	Burns	Burns	100		14121.58	585.03	5.38		14122.44	585.03	5.38		1	0	0.0						
1	Burns	Burns	1		14121.32	582.93	5.97		14122.09	582.93	5.97		1	0	0.0						
1	Burns	Burns	0		476.6	581.1	0.03		477.1	581.1	0.03		1	0	0.0	1	139	-89	0.05	-0.01	0.1	-0.1

Proposed Project: I-65
Project Description: add a second culvert of the same size to I-65
Project Location: I-65 over L Calumet River
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	negligible	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	negligible	28	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	negligible	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	negligible	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	negligible	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	negligible	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	negligible	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	negligible	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	negligible	negligible	negligible		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	negligible	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 10: PROJECT IMPACT SPREADSHEET FOR STINKY CREEK DIVERSION

paste model output results here - make sure same order and cross sections					EX100y96hARF				Stinky Ck project				Stinky Ck project - existing									
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl							
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.47	622.63	1.5		904.08	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		901.3	622.35	3.61		902.23	622.35	3.62		1	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072.1	622.15	2.98		1072.61	622.15	2.98		1	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1069.56	621.84	2.32		1069.89	621.84	2.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1067.95	621.57	1.93		1068.06	621.57	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1065.91	621.41	2.36		1066.34	621.41	2.36		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1063.69	621.1	3.3		1064.46	621.1	3.31		1	0	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062.15	620.82	2.78		1062.45	620.82	2.78		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1062.04	620.8	1.61		1061.74	620.8	1.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1062.38	620.78	1.28		1062.24	620.78	1.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1061.84	620.77	0.92		1062.05	620.77	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1062.11	620.76	0.4		1061.73	620.76	0.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1378.04	620.75	0.55		1377.67	620.75	0.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1378.05	620.71	1.79		1377.81	620.71	1.79		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1376.77	620.59	3.1		1376.76	620.59	3.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1369.04	619.75	4.28		1369.99	619.75	4.29		1	0	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1370.29	619.79	3.97		1370.72	619.79	3.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1371.41	619.87	3.09		1372.06	619.87	3.09		1	0	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.48	619.93	1.67		1372.44	619.93	1.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1372.35	619.94	1.1		1371.8	619.94	1.1		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372.31	619.94	1.03		1372.58	619.94	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.7	619.93	1.02		1371.99	619.93	1.02		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372.02	619.92	1.01		1372.47	619.92	1.01		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784.68	619.91	0.92		1784.78	619.91	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.18	619.9	0.89		1784.81	619.9	0.89		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.86	619.89	0.93		1784.78	619.89	0.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1785.05	619.88	0.94		1785	619.88	0.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.92	619.87	0.95		1784.63	619.87	0.95		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.71	619.86	1.16		1784.22	619.86	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1783.99	619.85	1.25		1783.69	619.85	1.25		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.03	619.83	1.43		1783.86	619.83	1.43		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784.21	619.83	1.5		1784.59	619.83	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1783.9	619.82	1.46		1783.64	619.82	1.46		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.29	619.8	1.54		1784.19	619.8	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1784.34	619.79	1.35		1783.5	619.79	1.35		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783.86	619.78	1.55		1783.97	619.78	1.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.25	619.76	1.54		1783.9	619.76	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1784.11	619.77	1.18		1783.87	619.77	1.18		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1784.05	619.76	1.06		1783.75	619.76	1.06		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.11	619.75	1.16		1784.48	619.75	1.17		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784.09	619.75	1.13		1784.57	619.75	1.13		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784.09	619.74	0.99		1784.05	619.74	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.54	619.74	1.14		1783.38	619.74	1.14		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.54	619.72	1.48		1784.11	619.71	1.48		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1783.53	619.7	1.74		1783.83	619.7	1.74		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1783.04	619.67	1.68		1783.94	619.67	1.69		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1784.16	619.66	1.63		1784.07	619.66	1.63		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1783.77	619.66	1.03		1783.89	619.66	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1783.28	619.66	0.58		1784.04	619.66	0.58		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.17	619.65	0.56		1783.83	619.65	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.3	619.65	0.71		1783.62	619.65	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.25	619.64	1.04		1783.58	619.64	1.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.01	619.64	0.77		1783.73	619.64	0.77		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1784.02	619.64	0.72		1784.09	619.64	0.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.54	619.63	0.56		1783.9	619.63	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.56	619.62	1.03		1783.62	619.62	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1784.04	619.61	1.15		1783.78	619.61	1.15		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1783.82	619.61	0.71		1783.73	619.61	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.91	619.61	0.97		1783.93	619.61	0.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783.37	619.59	1.44		1783.39	619.59	1.44		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.77	619.59	1.33		1783.75	619.59	1.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783.64	619.58	1.45		1783.73	619.58	1.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1783.21	619.55	1.26		1783.58	619.55	1.26		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783.6	619.55	1.21		1783.62	619.55	1.21		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23314		1783.69	619.5	1.72		1783.78	619.5	1.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783.38	619.47	1.4		1783.25	619.47	1.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783.19	619.45	1.85		1783.48	619.45	1.85		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.54	619.41	2.09		1783.61	619.41	2.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783.48	619.41	1.86		1783.36	619.41	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22731		1783.3	619.43	1.16		1783.38	619.43	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783.13	619.42	1.29		1783.49	619.42	1.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.58	619.41	1.22		1783.33	619.41	1.22		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1783.55	619.39	1.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783.21	619.33	2.45		1783.56	619.33	2.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.44	618.88	3.03		1783.4	618.88	3.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.46	618.86	3.41		1783.5	618.86	3.41		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.38	618.91	2.52		1783.57	618.91	2.52		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.53	618.94	1.94		1783.6	618.94	1.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.37	618.95	1.47		1783.78	618.95	1.47		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.46	618.92	1.86		1783.48	618.92	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.4	618.77	3.48		1783.44	618.77	3.48		0	0	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.4	618.58	3.98		1783.33	618.58	3.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.4	618.68	2.19		1783.4	618.68	2.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1783.37	618.65	1.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.3	618.63	0.99		1783.47	618.63	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.3	618.58	1.24		2193.61	618.58	1.24		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.48	618.52	1.93		2193.45	618.52	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.44	618.45	2.1		2193.65	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.45	618.36	2.29		2193.36	618.36	2.29		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.31	618.28	1.81		2193.29	618.28	1.81		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.41	618.21	2.67		2193.4	618.2	2.67		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2193.43	617.94	4.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.25	617.92	3.04		2193.26	617.92	3.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.28	617.26	6.7		2193.43	617.26	6.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.87	616.2	8.11		2193.02	616.2	8.11		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18578		2192.89	616.31	6.22		2192.97	616.31	6.22		0	0	0.0	17	1	-1	0.00	-0.01	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2192.86	615.44	5.41		2193.06	615.43	5.41		0	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.26	615.07	6.57		2192.76	615.07	6.57		1	0	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.47	614.84	5.71		2191.93	614.84	5.71		0	0	0.0							
16	TurkeyCreek	TurkeyCk	18032		2191.78	614.91	3.45		2192.3	614.91	3.45		1	0	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.36	614.82	2.9		2191.9	614.82	2.9		1	0	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.62	614.73	3.22		2191.95	614.73	3.22		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.02	614.65	2.35		2191.62	614.65	2.35		1	0	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.06	614.62	2.17		2191.51	614.62	2.17		0	0	0.0							
16	TurkeyCreek	TurkeyCk	16917		2190.9	614.59	1.22		2191.58	614.59	1.23		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16494		2190.67	614.55	1.33		2191.49	614.55	1.33		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16288		2190.66	614.51	1.57		2191.16	614.51	1.57		1	0	0.0							
16	TurkeyCreek	TurkeyCk	15975		2190.82	614.47	1.54		2191.01	614.47	1.54		0	0	0.0							
16	TurkeyCreek	TurkeyCk	15724		2190.4	614.4	2.08		2191.12	614.4	2.08		1	0	0.0							
16	TurkeyCreek	TurkeyCk	15587		2392.18	614.36	1.94		2395.17	614.35	1.94		3	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15472		2388.08	614.28	2.83		2392.97	614.28	2.84		5	0	0.0							
16	TurkeyCreek	TurkeyCk	15271		2389.59	614.26	1.78		2392.04	614.25	1.78		2	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15130		2388.09	614.24	1.54		2391.54	614.24	1.54		3	0	0.0							
16	TurkeyCreek	TurkeyCk	14901		2388.04	614.22	1.32		2390.71	614.22	1.32		3	0	0.0							
16	TurkeyCreek	TurkeyCk	14694		2385.82	614.2	1.43		2389.6	614.19	1.44		4	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	14500		2385.25	614.17	1.36		2389.47	614.17	1.36		4	0	0.0							
16	TurkeyCreek	TurkeyCk	14254		2384.85	614.16	0.9		2388.38	614.16	0.9		4	0	0.0							
16	TurkeyCreek	TurkeyCk	14081		2383.4	614.15	0.93		2388.03	614.15	0.94		5	0	0.0							
16	TurkeyCreek	TurkeyCk	13909		2384.37	614.14	1.07		2386.91	614.13	1.07		3	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	13580		2380.18	614.07	2.13		2384.11	614.07	2.13		4	0	0.0							
16	TurkeyCreek	TurkeyCk	13356		2376.93	614	2.13		2381.06	614	2.14		4	0	0.0							
16	TurkeyCreek	TurkeyCk	13150		2360.91	613.82	3.77		2367.6	613.81	3.78		7	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2312.9	613.53	4.12		2331.58	613.52	4.16		19	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12967		2320.43	613.56	3.66		2334.55	613.55	3.69		14	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12836		2316.48	613.54	2.82		2333.31	613.53	2.84		17	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12718		2313.81	613.53	2.11		2330.3	613.52	2.13		16	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12536		2310.53	613.51	1.63		2326.33	613.5	1.65		16	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12244		2305.01	613.46	1.77		2321.17	613.45	1.79		16	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11927		2299.09	613.39	2.01		2313.02	613.38	2.03		14	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11687		2291.83	613.36	1.59		2309.16	613.34	1.6		17	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11449		2285.71	613.32	1.46		2304.48	613.3	1.48		19	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11232		2274.77	613.19	2.95		2286.54	613.18	2.98		12	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11119		2253.59	613.02	3.73		2268.98	613	3.77		15	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	11013		2239.62	612.77	5.03		2238.8	612.74	5.05		-1	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2189.15	612.45	5.63		2181.53	612.42	5.64		-8	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10905		2175.11	612.36	5.71		2162.75	612.33	5.7		-12	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2167.85	612.33	4.09		2154.1	612.3	4.08		-14	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10552		2116.96	612.02	5.29		2105.6	611.99	5.28		-11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	10251		2111.35	611.96	1.17		2097.59	611.92	1.17		-14	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	9979		2104.72	611.92	1.32		2095.29	611.89	1.32		-9	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	9783		2104.61	611.92	1.01		2095.49	611.89	1.01		-9	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	9526		2097	611.86	1.92		2085.82	611.83	1.92		-11	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	9168		2089.05	611.79	1.96		2077.57	611.75	1.96		-11	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	8838		2087	611.76	0.97		2070.54	611.72	0.97		-16	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	8503		2082.6	611.73	1.16		2070.52	611.7	1.16		-12	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	8221		2080.22	611.72	1.01		2070.85	611.69	1.02		-9	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	8013		2082.65	611.72	0.8		2070.49	611.68	0.8		-12	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	7673		2077.9	611.7	1.05		2068.37	611.67	1.05		-10	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	7223		2076.88	611.67	1.41		2061.77	611.64	1.41		-15	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	6947		2070.97	611.63	1.76		2062.11	611.6	1.76		-9	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	6829		2070.65	611.62	1.7		2058.45	611.59	1.69		-12	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	6686		2063.34	611.53	2.61		2050.44	611.5	2.6		-13	-0.03	0.0	16	19	-16	0.00	-0.04	0.0	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2055.18	611.51	2.03		2044.61	611.48	2.03		-11	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	6407		2057.93	611.49	1.43		2044.41	611.46	1.43		-14	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	6204		2051.55	611.44	2.01		2039.54	611.41	2.01		-12	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	5151		2034.09	611.25	0.69		2020.88	611.22	0.68		-13	-0.03	0.0							
9	TurkeyCreek	TurkeyCk	2193		2024.59	611.18	0.51		2014.05	611.14	0.51		-11	-0.04	0.0							
9	TurkeyCreek	TurkeyCk	500		2169.73	611.16	0.29		2155.41	611.12	0.29		-14	-0.04	0.0							
9	TurkeyCreek	TurkeyCk	50		2171.38	611.15	0.39		2157.72	611.12	0.39		-14	-0.03	0.0	9	-11	-14	-0.03	-0.04	0.0	0.0
2	LCal	LCal	2575		155.63	595.18	0.06		156.13	595.16	0.06		1	-0.02	0.0							
2	LCal	LCal	2359		154.3	595.18	0.05		155.71	595.16	0.05		1	-0.02	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.91	595.18	0.05		154.57	595.16	0.05		1	-0.02	0.0							
2	LCal	LCal	2172		153.33	595.18	0.05		155.85	595.16	0.05		3	-0.02	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.98	595.14	0.09		116.82	595.12	0.09		0	-0.02	0.0							
2	LCal	LCal	1559		118.55	595.14	0.1		117.9	595.12	0.1		-1	-0.02	0.0							
2	LCal	LCal	1414		116.24	595.14	0.15		116.92	595.12	0.15		1	-0.02	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		102.45	595.11	0.09		103.01	595.09	0.09		1	-0.02	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		145.39	595.11	0.16		142.04	595.09	0.16		-3	-0.02	0.0							
2	LCal	LCal	173		178.24	595.1	0.23		173.5	595.09	0.23		-5	-0.01	0.0	2	3	-5	0.00	-0.02	0.0	0.0
21	Duck Ck	DuckCk	20671		428.89	616.21	1.74		428.89	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.88	616.04	1.97		428.88	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.87	615.82	2.37		428.89	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.88	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.86	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.83	615.12	1.81		428.85	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.85	614.9	2		428.85	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.76	614.07	2.04		428.73	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.73	613.87	1.73		428.77	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.5	613.22	2.37		428.46	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.97	612.74	1.96		427.84	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		426.88	612.26	1.91		426.98	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.77	612.12	1.37		426.6	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.23	611.94	1.51		426.22	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		426.02	611.82	1.43		426.06	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.83	611.74	1.01		425.87	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.52	611.62	1.92		425.44	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.99	611.21	2.51		423.86	611.21	2.51		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.21	611.09	1.98		423.4	611.09	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15534		422.15	610.86	1.98		422.29	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.39	610.72	1.29		421.58	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		421.01	610.62	1.32		421.1	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.75	610.57	0.84		420.9	610.57	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14584		420.49	610.54	0.85		420.55	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.25	610.5	0.85		420.55	610.5	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14091		420.17	610.41	1.56		420.14	610.41	1.56		0	0	0.0	21	0	0	0.00	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.56	610	1.62		419.47	610	1.62		0	0	0.0							
20	Duck Ck	DuckCk	13704		418.86	609.87	1.44		419.04	609.87	1.44		0	0	0.0							
20	Duck Ck	DuckCk	13464		418.32	609.77	1.27		418.73	609.77	1.27		0	0	0.0							
20	Duck Ck	DuckCk	13279		418.34	609.73	0.78		418.34	609.73	0.78		0	0	0.0							
20	Duck Ck	DuckCk	12964		581.53	609.68	1.04		582.14	609.68	1.04		1	0	0.0							
20	Duck Ck	DuckCk	12613		580.8	609.61	1.05		580.75	609.61	1.05		0	0	0.0							
20	Duck Ck	DuckCk	12306		583.33	609.57	0.78		584.03	609.57	0.78		1	0	0.0							
20	Duck Ck	DuckCk	11932		586.77	609.52	0.9		586.86	609.52	0.9		0	0	0.0							
20	Duck Ck	DuckCk	11876		586.78	609.5	1.15		587.37	609.5	1.15		1	0	0.0							
20	Duck Ck	DuckCk	11801		588.04	609.5	0.86		588.33	609.5	0.86		0	0	0.0							
20	Duck Ck	DuckCk	11485		590.91	609.47	0.8		591.33	609.47	0.8		0	0	0.0							
20	Duck Ck	DuckCk	10998		595.71	609.41	0.95		596.01	609.41	0.95		0	0	0.0							
20	Duck Ck	DuckCk	10813		596.99	609.4	0.72		597.68	609.4	0.72		1	0	0.0							
20	Duck Ck	DuckCk	10553		599.49	609.38	0.77		599.87	609.38	0.77		0	0	0.0							
20	Duck Ck	DuckCk	10293		601.6	609.36	0.84		602.26	609.36	0.85		1	0	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		602.07	609.33	0.68		602.4	609.33	0.68		0	0	0.0							
20	Duck Ck	DuckCk	9854		605.88	609.31	0.77		606.05	609.31	0.77		0	0	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		610.42	609.28	0.8		1	0	0.0							
20	Duck Ck	DuckCk	9287		612.11	609.27	0.56		612.77	609.27	0.56		1	0	0.0							
20	Duck Ck	DuckCk	9053		614.36	609.25	0.7		615.09	609.25	0.7		1	0	0.0							
20	Duck Ck	DuckCk	8833		616.87	609.24	0.62		617.34	609.24	0.62		0	0	0.0							
20	Duck Ck	DuckCk	8619		820.14	609.22	1.03		821.35	609.22	1.04		1	0	0.0							
20	Duck Ck	DuckCk	8373		823.2	609.2	0.55		823.83	609.2	0.55		1	0	0.0							
20	Duck Ck	DuckCk	8099		825.87	609.19	0.36		826.45	609.19	0.36		1	0	0.0							
20	Duck Ck	DuckCk	7623		829.27	609.19	0.43		830.37	609.18	0.43		1	-0.01	0.0							
20	Duck Ck	DuckCk	7254		833.05	609.17	0.56		833.81	609.17	0.56		1	0	0.0							
20	Duck Ck	DuckCk	6856		836.74	609.16	0.46		837.7	609.16	0.46		1	0	0.0							
20	Duck Ck	DuckCk	6359		841.57	609.14	0.73		842.52	609.14	0.73		1	0	0.0							
20	Duck Ck	DuckCk	6163		843.64	609.14	0.6		844.49	609.14	0.6		1	0	0.0							
20	Duck Ck	DuckCk	5848		848.4	609.13	0.27		849.04	609.13	0.27		1	0	0.0							
20	Duck Ck	DuckCk	5638		852.07	609.13	0.37		852.49	609.13	0.37		0	0	0.0							
20	Duck Ck	DuckCk	5361		854.61	609.12	0.77		855.4	609.12	0.78		1	0	0.0							
20	Duck Ck	DuckCk	4639		861.86	609.1	0.43		862.79	609.1	0.43		1	0	0.0							
20	Duck Ck	DuckCk	4257		866.49	609.09	0.42		867.12	609.09	0.42		1	0	0.0							
20	Duck Ck	DuckCk	4109		868.18	609.09	0.35		868.86	609.09	0.35		1	0	0.0							
20	Duck Ck	DuckCk	3892		870.19	609	2.63		870.73	609	2.63		1	0	0.0	20	1	0	0.00	-0.01	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		866.25	608.54	2.71		867.04	608.54	2.71		1	0	0.0							
19	Duck Ck	DuckCk	3668		868.32	608.57	0.77		868.84	608.57	0.77		1	0	0.0							
19	Duck Ck	DuckCk	3440		870.19	608.56	0.5		870.54	608.56	0.5		0	0	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		718.92	606.86	2.02		723.6	606.82	2.04		5	-0.04	0.0							
19	Duck Ck	DuckCk	3342		715.14	606.76	3.36		716.02	606.72	3.37		1	-0.04	0.0	19	5	0	0.00	-0.04	0.0	0.0
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.23	606.06	4.11		676.72	606.02	4.1		-5	-0.04	0.0							
18	Duck Ck	DuckCk	3203		686.71	606.19	1.56		684.32	606.15	1.57		-2	-0.04	0.0							
18	Duck Ck	DuckCk	3126		687.5	606.17	1.02		684.99	606.13	1.03		-3	-0.04	0.0							
18	Duck Ck	DuckCk	2965		688	606.15	1		684.25	606.1	1.01		-4	-0.05	0.0							
18	Duck Ck	DuckCk	2849		688.33	606.13	0.98		684.81	606.09	0.99		-4	-0.04	0.0							
18	Duck Ck	DuckCk	2794		686.93	606.12	1.03		684.66	606.08	1.04		-2	-0.04	0.0							
18	Duck Ck	DuckCk	2687		688.04	606.11	0.87		684.25	606.06	0.88		-4	-0.05	0.0							
18	Duck Ck	DuckCk	2524		690.01	606.09	0.89		685.67	606.05	0.89		-4	-0.04	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.23	606.08	0.85		685.17	606.03	0.85		-3	-0.05	0.0							
18	Duck Ck	DuckCk	2183		690.45	606.05	0.91		685.89	606.01	0.92		-5	-0.04	0.0							
18	Duck Ck	DuckCk	2053		691.95	606.03	0.87		687.71	605.99	0.87		-4	-0.04	0.0							
18	Duck Ck	DuckCk	1765		691.38	605.98	1.12		687.96	605.94	1.12		-3	-0.04	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		668.04	605.49	0.88		665.96	605.45	0.88		-2	-0.04	0.0							
18	Duck Ck	DuckCk	1358		668.96	605.48	0.81		667.72	605.45	0.82		-1	-0.03	0.0							
18	Duck Ck	DuckCk	960		672.71	605.47	0.5		669.51	605.43	0.5		-3	-0.04	0.0							
18	Duck Ck	DuckCk	792		675.58	605.47	0.36		671.25	605.43	0.36		-4	-0.04	0.0							
18	Duck Ck	DuckCk	572		673.71	605.43	1.3		670.38	605.39	1.3		-3	-0.04	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		668.58	605.33	0.97		665.97	605.29	0.97		-3	-0.04	0.0							
18	Duck Ck	DuckCk	264		669.03	605.33	0.79		665.13	605.29	0.79		-4	-0.04	0.0	18	-1	-5	0.00	-0.05	0.0	0.0
15	Deep	JSLakeGeorg	124902		115.04	687.36	0.47		114.51	687.36	0.47		-1	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.82	687.29	0.76		201.79	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.52	687.23	0.65		153.53	687.23	0.65		0	0	0.0							
15	Deep	JSLakeGeorg	123542		152.77	687.19	0.71		152.82	687.19	0.71		0	0	0.0							
15	Deep	JSLakeGeorg	123075		124.25	687.15	0.54		124.47	687.15	0.55		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.17	687.14	0.09		53.34	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.92	687.14	0.08		44.03	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.89	687.13	0.1		43.86	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.05	687.13	0.11		44.97	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.18	687.13	0.17		45.2	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.5	687.13	0.17		40.49	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.43	687.12	0.17		40.44	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.23	687.11	0.6		248.24	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.27	687.08	1.04		248.23	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	120543		165.61	687.09	0.58		165.62	687.09	0.58		0	0	0.0							
15	Deep	JSLakeGeorg	120117		165.57	687.04	0.73		165.59	687.04	0.73		0	0	0.0							
15	Deep	JSLakeGeorg	119813		166.41	687.01	0.57		166.42	687.01	0.57		0	0	0.0							
15	Deep	JSLakeGeorg	119448		229.81	686.93	0.95		229.56	686.93	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	119071		263.63	686.81	1.11		263.2	686.81	1.11		0	0	0.0							
15	Deep	JSLakeGeorg	118751		262.97	686.71	1.13		263.25	686.71	1.13		0	0	0.0							
15	Deep	JSLakeGeorg	118584		262.57	686.64	1.21		262.87	686.64	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	118525		262.29	686.62	1.19		262.5	686.62	1.19		0	0	0.0							
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	118358		269.61	686.57	1.08		269.91	686.57	1.08		0	0	0.0							
15	Deep	JSLakeGeorg	117980		268.83	686.47	1.02		270.28	686.47	1.03		1	0	0.0							
15	Deep	JSLakeGeorg	117631		267.96	686.35	1.15		268.04	686.35	1.15		0	0	0.0							
15	Deep	JSLakeGeorg	117334		265.99	686.26	0.99		265.59	686.26	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		259.96	686.14	1.2		0	0	0.0							
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116736		253.57	686.04	1.13		252.84	686.04	1.12		-1	0	0.0							
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116585		244.71	685.95	1.34		245.2	685.95	1.35		0	0	0.0							
15	Deep	JSLakeGeorg	116289		233.22	685.83	1.02		233.28	685.83	1.02		0	0	0.0							
15	Deep	JSLakeGeorg	115998		220.88	685.74	1.07		223.53	685.74	1.09		3	0	0.0							
15	Deep	JSLakeGeorg	115832		217.24	685.71	0.88		219.29	685.71	0.89		2	0	0.0							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.72	685.71	0.77		217.93	685.71	0.77		-1	0	0.0							
15	Deep	JSLakeGeorg	115310		212.64	685.66	0.81		210.97	685.66	0.81		-2	0	0.0							
15	Deep	JSLakeGeorg	114871		279.48	685.57	0.95		279.49	685.57	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	114397		277.2	685.47	1		277.5	685.47	1		0	0	0.0							
15	Deep	JSLakeGeorg	113918		328.87	685.23	1.47		328.78	685.23	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	113720		332.88	685.14	1.36		332.88	685.14	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.28	685.1	1.28		332.16	685.1	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	113233		338.51	684.98	1.92		338.59	684.98	1.92		0	0	0.0							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.34	684.94	1.45		338.52	684.94	1.46		0	0	0.0							
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	112472		353.43	684.83	1.44		353.37	684.83	1.44		0	0	0.0							
15	Deep	JSLakeGeorg	111932		367.04	684.6	1.49		366.8	684.6	1.49		0	0	0.0							
15	Deep	JSLakeGeorg	111538		375.52	684.37	1.48		375.48	684.37	1.48		0	0	0.0							
15	Deep	JSLakeGeorg	111058		387.33	684.02	1.58		386.84	684.02	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110793		394.8	683.88	1.05		394.94	683.88	1.05		0	0	0.0							
15	Deep	JSLakeGeorg	110465		404.54	683.71	1.47		404.73	683.71	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	110181		412.79	683.58	1.58		412.92	683.58	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.02	683.58	1.4		413.07	683.58	1.4		0	0	0.0							
15	Deep	JSLakeGeorg	110128		413.06	683.58	1.41		413.13	683.58	1.41		0	0	0.0							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.06	683.57	1.24		413.13	683.57	1.24		0	0	0.0							
15	Deep	JSLakeGeorg	109523		429.32	683.42	1.34		428.74	683.42	1.34		-1	0	0.0							
15	Deep	JSLakeGeorg	109022		444.23	683.24	1.22		444.22	683.24	1.22		0	0	0.0							
15	Deep	JSLakeGeorg	108612		457.33	683.03	1.62		457.14	683.03	1.61		0	0	0.0							
15	Deep	JSLakeGeorg	108112		472.97	682.77	1.38		473.09	682.77	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107495		492.77	682.54	1.37		492.75	682.54	1.37		0	0	0.0							
15	Deep	JSLakeGeorg	107156		503.38	682.42	1.36		503.7	682.42	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	106585		503.53	682.3	0.91		503.68	682.3	0.91		0	0	0.0							
15	Deep	JSLakeGeorg	106334		503.36	682.22	1.27		503.53	682.22	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	105956		503.41	682.09	1.28		503.62	682.09	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	105573		503.39	681.91	1.59		503.54	681.91	1.59		0	0	0.0							
15	Deep	JSLakeGeorg	105254		561.1	681.84	0.88		561.22	681.84	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		561.25	681.63	0.99		560.87	681.63	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	104691		561.08	681.58	1.16		560.76	681.58	1.16		0	0	0.0							
15	Deep	JSLakeGeorg	104222		560.65	681.46	1.28		560.5	681.46	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	104061		560.67	681.42	1.39		560.46	681.42	1.39		0	0	0.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		559.86	680.91	1.36		560.56	680.91	1.36		1	0	0.0							
15	Deep	JSLakeGeorg	103528		559.81	680.78	1.54		559.94	680.78	1.54		0	0	0.0							
15	Deep	JSLakeGeorg	103234		559.39	680.69	1.21		559.45	680.69	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	102805		644.33	680.51	1.65		644.21	680.51	1.65		0	0	0.0							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.33	680.28	2.03		0	0	0.0							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.51	679.44	1.79		644.42	679.44	1.79		0	0	0.0							
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	101538		644.35	679.05	2.2		644.46	679.05	2.2		0	0	0.0							
15	Deep	JSLakeGeorg	100981		643.15	678.5	1.95		642.92	678.5	1.95		0	0	0.0							
15	Deep	JSLakeGeorg	100383		359.16	678.32	0.78		360.14	678.32	0.79		1	0	0.0							
15	Deep	JSLakeGeorg	99713		354.83	678.24	0.85		355.56	678.24	0.85		1	0	0.0							
15	Deep	JSLakeGeorg	99064		411.77	678.16	0.93		411.76	678.16	0.93		0	0	0.0							
15	Deep	JSLakeGeorg	98521		315.78	678.12	0.64		315.71	678.12	0.64		0	0	0.0							
15	Deep	JSLakeGeorg	97818		917.15	677.96	1.87		917.76	677.96	1.87		1	0	0.0	15	3	-2	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.85	677.53	1.88		917.77	677.53	1.88		0	0	0.0							
14	Deep	JSLakeGeorg	96861		917.51	677.47	0.91		917.68	677.47	0.91		0	0	0.0							
14	Deep	JSLakeGeorg	96112		1063.87	677.21	1.53		1064.23	677.21	1.53		0	0	0.0							
14	Deep	JSLakeGeorg	95541		1058.47	676.7	2.45		1059.46	676.7	2.46		1	0	0.0							
14	Deep	JSLakeGeorg	95034		942.88	676.3	1.89		942.75	676.3	1.89		0	0	0.0							
14	Deep	JSLakeGeorg	94436		914.49	675.88	2.16		915.07	675.88	2.16		1	0	0.0							
14	Deep	JSLakeGeorg	93802		878.13	675.55	1.71		877.78	675.55	1.71		0	0	0.0							
14	Deep	JSLakeGeorg	93297		868.35	675.38	1.26		869.08	675.38	1.26		1	0	0.0							
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	JSLakeGeorg	92606		1130.88	675.17	1.37		1131.04	675.17	1.37		0	0	0.0							
14	Deep	JSLakeGeorg	91967		1130.79	675.04	1.34		1130.97	675.04	1.34		0	0	0.0							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.05	674.92	1.96		1131.09	674.92	1.96		0	0	0.0							
14	Deep	JSLakeGeorg	91400		1135.16	674.67	2.15		1135.27	674.67	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	90843		1141.12	674.47	0.81		1140.9	674.47	0.81		0	0	0.0							
14	Deep	JSLakeGeorg	90268		1147.12	674.24	1.86		1147	674.24	1.86		0	0	0.0							
14	Deep	JSLakeGeorg	89708		1153.25	673.92	1.98		1153.03	673.92	1.98		0	0	0.0							
14	Deep	JSLakeGeorg	89139		1159.25	673.73	1.4		1159.14	673.73	1.4		0	0	0.0							
14	Deep	JSLakeGeorg	88645		1164.15	673.51	1.74		1164.21	673.51	1.74		0	0	0.0							
14	Deep	JSLakeGeorg	88132		1169.57	673.19	2.15		1169.53	673.19	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	87170		1179.79	672.56	2.05		1179.62	672.56	2.05		0	0	0.0							
14	Deep	JSLakeGeorg	86814		1183.38	672.29	2.3		1183.26	672.29	2.3		0	0	0.0							
14	Deep	JSLakeGeorg	86497		1187.08	672.16	1.27		1187.1	672.16	1.27		0	0	0.0							
14	Deep	JSLakeGeorg	86248		1189.79	671.99	2.15		1189.72	671.99	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	85858		1193.37	671.66	2.22		1193.68	671.66	2.23		0	0	0.0							
14	Deep	JSLakeGeorg	85406		1197.95	671.33	2.19		1198.12	671.33	2.19		0	0	0.0							

14	Deep	JSLakeGeorg	84957		1202.29	670.93	2.57		1202.55	670.93	2.57		0	0	0.0						
14	Deep	JSLakeGeorg	84375		1208.06	670.3	3		1208.03	670.3	3		0	0	0.0						
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0						
14	Deep	JSLakeGeorg	84262		1208.22	670.19	3.16		1208.16	670.19	3.16		0	0	0.0						
14	Deep	JSLakeGeorg	83723		1213.86	669.85	1.84		1213.96	669.85	1.84		0	0	0.0						
14	Deep	JSLakeGeorg	83093		1220.34	669.47	1.73		1220.32	669.47	1.73		0	0	0.0						
14	Deep	JSLakeGeorg	82750		1223.97	669.28	1.85		1223.76	669.28	1.85		0	0	0.0						
14	Deep	JSLakeGeorg	82364		1227.61	669.04	2.03		1227.78	669.04	2.03		0	0	0.0						
14	Deep	JSLakeGeorg	81844		1232.91	668.84	1		1232.97	668.84	1		0	0	0.0						
14	Deep	JSLakeGeorg	81294		1238.58	668.73	0.97		1238.44	668.73	0.97		0	0	0.0						
14	Deep	JSLakeGeorg	80717		1244.8	668.43	2.09		1244.81	668.43	2.09		0	0	0.0						
14	Deep	JSLakeGeorg	80186		1250.16	668.03	2.33		1250.63	668.03	2.33		0	0	0.0						
14	Deep	JSLakeGeorg	79604		1256.28	667.68	2.06		1256.15	667.68	2.06		0	0	0.0						
14	Deep	JSLakeGeorg	79148		1260.23	667.42	1.93		1260.43	667.42	1.93		0	0	0.0						
14	Deep	JSLakeGeorg	78803		1259.75	667.15	2.47		1259.32	667.15	2.47		0	0	0.0						
14	Deep	JSLakeGeorg	78407		1258.2	666.87	2.22		1257.77	666.87	2.22		0	0	0.0	14	1	0	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	78285		1256.43	666.7	2.69		1256.37	666.7	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	77848		1253.41	666.44	2.12		1253.41	666.44	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	77566		1248.89	666.25	1.96		1248.89	666.25	1.96		0	0	0.0						
13	Deep	JSLakeGeorg	77073		1436.77	665.89	2.03		1436.72	665.89	2.03		0	0	0.0						
13	Deep	JSLakeGeorg	76478		1436.64	665.58	1.69		1436.51	665.58	1.69		0	0	0.0						
13	Deep	JSLakeGeorg	76044		1440.09	665.45	1.36		1440.13	665.45	1.36		0	0	0.0						
13	Deep	JSLakeGeorg	75777		1442.33	665.35	1.64		1442.36	665.35	1.64		0	0	0.0						
13	Deep	JSLakeGeorg	75408		1445.41	665.22	1.44		1445.36	665.22	1.44		0	0	0.0						
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	75316		1445.46	665.16	1.42		1445.41	665.16	1.42		0	0	0.0						
13	Deep	JSLakeGeorg	74938		1448.91	664.88	2.42		1448.85	664.88	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.46	664.6	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74229		1434.9	664.37	1.72		1435.04	664.37	1.72		0	0	0.0						
13	Deep	JSLakeGeorg	73723		1434.3	663.89	2.84		1434.23	663.89	2.84		0	0	0.0						
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0						
13	Deep	JSLakeGeorg	73616		1331.32	663.83	2.5		1331.58	663.83	2.5		0	0	0.0						
13	Deep	JSLakeGeorg	73500		1326.74	663.76	2.34		1326.77	663.76	2.34		0	0	0.0						
13	Deep	JSLakeGeorg	72900		1516.57	663.16	2.1		1516.6	663.16	2.1		0	0	0.0						
13	Deep	JSLakeGeorg	72028		1516.41	662.28	2.53		1516.63	662.28	2.53		0	0	0.0						
13	Deep	JSLakeGeorg	71320		1516.5	661.73	1.46		1516.36	661.73	1.46		0	0	0.0						
13	Deep	JSLakeGeorg	71053		1516.42	661.62	2.25		1516.55	661.62	2.25		0	0	0.0						
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	70937		1516.63	661.38	3.21		1516.55	661.38	3.21		0	0	0.0						
13	Deep	JSLakeGeorg	70139		1516.28	660.86	1.97		1516.07	660.86	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	69435		1515.96	660.28	0.95		1515.64	660.28	0.95		0	0	0.0						
13	Deep	JSLakeGeorg	68193		1513.99	659.83	1.55		1513.9	659.83	1.55		0	0	0.0						
13	Deep	JSLakeGeorg	66864		1740.52	659.03	1.81		1740.54	659.03	1.81		0	0	0.0						
13	Deep	JSLakeGeorg	66388		1751.22	658.65	1.7		1751.3	658.65	1.7		0	0	0.0						
13	Deep	JSLakeGeorg	65488		1768.09	657.5	2.69		1768.08	657.5	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	64654		1782.76	656.2	2.21		1782.95	656.2	2.21		0	0	0.0						
13	Deep	JSLakeGeorg	63857		1799.27	655.26	1.78		1799.03	655.26	1.78		0	0	0.0						
13	Deep	JSLakeGeorg	63247		1811.49	654.81	1.59		1811.13	654.81	1.59		0	0	0.0						
13	Deep	JSLakeGeorg	62532		1824.47	654.54	0.65		1824.52	654.54	0.65		0	0	0.0						
13	Deep	JSLakeGeorg	62169		1833.35	654.35	3.23		1833.58	654.35	3.23		0	0	0.0						
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	62050		1833.92	654.31	3.2		1833.92	654.31	3.2		0	0	0.0						
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.6	654.04	1.91		0	0	0.0						
13	Deep	JSLakeGeorg	61270		1850.3	653.64	1.97		1850.35	653.64	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	61156		1853.47	653.47	1.88		1853.57	653.47	1.88		0	0	0.0						
13	Deep	JSLakeGeorg	60978		1858.88	653.25	1.52		1858.85	653.25	1.52		0	0	0.0						
13	Deep	JSLakeGeorg	60509		1870.3	652.75	2.02		1870.26	652.75	2.02		0	0	0.0						
13	Deep	JSLakeGeorg	59758		1882.62	651.82	2.43		1882.63	651.82	2.43		0	0	0.0						
13	Deep	JSLakeGeorg	58574		1899.07	650.7	1.92		1899.03	650.7	1.92		0	0	0.0						
13	Deep	JSLakeGeorg	57350		1918.61	649.76	2.04		1918.55	649.76	2.04		0	0	0.0						
13	Deep	JSLakeGeorg	56397		1935.69	648.74	2.2		1935.79	648.74	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	55724		1950.5	648.02	1.68		1950.34	648.02	1.68		0	0	0.0						
13	Deep	JSLakeGeorg	54755		1966.53	647.32	1.87		1966.42	647.32	1.87		0	0	0.0						
13	Deep	JSLakeGeorg	53123		1987.8	646.51	1.51		1987.81	646.51	1.51		0	0	0.0						
13	Deep	JSLakeGeorg	52077		2007.48	646.08	1.37		2007.41	646.08	1.37		0	0	0.0						
13	Deep	JSLakeGeorg	51203		2023.6	645.49	2.18		2023.74	645.49	2.18		0	0	0.0						
13	Deep	JSLakeGeorg	50734		2021.83	645.02	2.05		2021.7	645.02	2.05		0	0	0.0						
13	Deep	JSLakeGeorg	50234		2306.95	644.53	2.58		2306.75	644.53	2.58		0	0	0.0						
13	Deep	JSLakeGeorg	49556		2306.69	643.78	2.12		2306.81	643.78	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	48301		2306.43	642.98	1.76		2306.16	642.98	1.76		0	0	0.0						
13	Deep	JSLakeGeorg	47270		2306.24	642.25	2.2		2306.28	642.25	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	46606		2306.01	641.69	3.42		2306.05	641.69	3.42		0	0	0.0	13	0	0	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	46376		2306.09	641.2	3.33		2306.15	641.2	3.33		0	0	0.0						
12	Deep	JSLakeGeorg	45906		2305.89	640.92	2.11		2306.08	640.92	2.11		0	0	0.0						
12	Deep	JSLakeGeorg	45247		2313.88	639.84	2.9		2313.79	639.84	2.9		0	0	0.0						
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.86	638.7	3.02		0	0	0.0						
12	Deep	JSLakeGeorg	44232		2325.29	637.66	3.2		2325.05	637.66	3.2		0	0	0.0						
12	Deep	JSLakeGeorg	43908		2329.41	637	3.76		2329.98	637	3.76		1	0	0.0						
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43837		2329.91	636.63	5.07		2329.7	636.63	5.07		0	0	0.0						
12	Deep	JSLakeGeorg	43461		2334.43	636.09	5.08		2334.54	636.09	5.09		0	0	0.0						
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43390		2334.74	636.08	4.73		2334.72	636.08	4.73		0	0	0.0						
12	Deep	JSLakeGeorg	43242		2335.58	635.82	3.64		2335.94	635.82	3.65		0	0	0.0						
12	Deep	JSLakeGeorg	43046		2337.5	635.29	3.07		2337.56	635.29	3.07		0	0	0.0						
12	Deep	JSLakeGeorg	43012		2338.32	635.12	4.42		2338.32	635.12	4.42		0	0	0.0						
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	42973		2338.71	635.12	3.42		2338.51	635.12	3.42		0	0	0.0						
12	Deep	JSLakeGeorg	42477		2341.55	634.79	2.45		2341.41	634.79	2.45		0	0	0.0						
12	Deep	JSLakeGeorg	41418		2351.63	634.04	0.56		2351.15	634.04	0.56		0	0	0.0						
12	Deep	JSLakeGeorg	39881		2362.59	633.36	2.16		2362.69	633.36	2.16		0	0	0.0						
12	Deep	JSLakeGeorg	39554		2366.79	633.04	1.62		2366.8	633.04	1.62		0	0	0.0						
12	Deep	JSLakeGeorg	38999		2371.76	632.77	1.67		2371.67	632.77	1.67		0	0	0.0						
12	Deep	JSLakeGeorg	38116		2379.26	632.39	1.57		2379.43	632.39	1.57		0	0	0.0						
12	Deep	JSLakeGeorg	37703		2384.7	632.03	4.29		2384.74	632.03	4.29		0	0	0.0						
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0						
12	Deep	JSLakeGeorg	37554		2384.19	629.91	4.81		2384.22	629.91	4.81		0	0	0.0						
12	Deep	JSLakeGeorg	36999		2391.19	629.33	2.2		2391.33	629.33	2.2		0	0	0.0						
12	Deep	JSLakeGeorg	36181		2399.62	628.19	2.31		2399.36	628.19	2.31		0	0	0.0						
12	Deep	JSLakeGeorg	35034		2406.86	627.21	2.07		2406.98	627.21	2.07		0	0	0.0						
12	Deep	JSLakeGeorg	34012		2415.24	626.27	2.17		2415	626.27	2.17		0	0	0.0						
12	Deep	JSLakeGeorg	33338		2421.64	625.71	1.52		2421.77	625.71	1.52		0	0	0.0						
12	Deep	JSLakeGeorg	32345		2429.27	625.16	2.88		2429	625.16	2.88		0	0	0.0						
12	Deep	JSLakeGeorg	31526		2438.57	624.62	3.12		2438.38	624.62	3.11		0	0	0.0						
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0						

12	Deep	USLakeGeorg	31444		2438.93	624.18	4.62		2438.38	624.18	4.62		-1	0	0.0						
12	Deep	USLakeGeorg	30859		2444.98	623.78	1.85		2445.17	623.78	1.85		0	0	0.0						
12	Deep	USLakeGeorg	30141		2452.22	623.29	1.41		2452.06	623.29	1.41		0	0	0.0						
12	Deep	USLakeGeorg	28772		2464.22	622.22	1.84		2464.3	622.22	1.84		0	0	0.0						
12	Deep	USLakeGeorg	27969		2471.39	621.45	1.72		2471.5	621.45	1.72		0	0	0.0						
12	Deep	USLakeGeorg	26706		2478.54	620.78	1.73		2478.39	620.78	1.73		0	0	0.0						
12	Deep	USLakeGeorg	25820		2483.44	620.3	1.61		2483.39	620.3	1.61		0	0	0.0						
12	Deep	USLakeGeorg	24753		2490.41	619.7	1.79		2490.77	619.7	1.79		0	0	0.0						
12	Deep	USLakeGeorg	24277		2494.6	619.37	1.56		2494.46	619.37	1.56		0	0	0.0						
12	Deep	USLakeGeorg	23302		2503.06	618.89	1.36		2502.85	618.89	1.36		0	0	0.0						
12	Deep	USLakeGeorg	22507		2510.78	618.56	1.37		2510.32	618.56	1.37		0	0	0.0						
12	Deep	USLakeGeorg	21518		2517.97	618.09	1.86		2517.56	618.09	1.86		0	0	0.0						
12	Deep	USLakeGeorg	20795		2525.82	617.63	1.51		2524.9	617.62	1.51		-1	-0.01	0.0						
12	Deep	USLakeGeorg	20086		2531.6	617.28	1.6		2532.25	617.28	1.61		1	0	0.0						
12	Deep	USLakeGeorg	19928		2534.1	617.22	1.54		2534.03	617.21	1.54		0	-0.01	0.0						
12	Deep	USLakeGeorg	19407		2539.67	617	3.49		2539.97	616.99	3.49		0	-0.01	0.0	12	1	-1	0.00	-0.01	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0						
11	Deep	USLakeGeorg	19273		2540.37	616.97	3.07		2540.23	616.97	3.07		0	0	0.0						
11	Deep	USLakeGeorg	18982		2543.61	616.88	1.6		2542.94	616.88	1.61		-1	0	0.0						
11	Deep	USLakeGeorg	18179		2551.17	616.44	1.96		2551.21	616.43	1.96		0	-0.01	0.0						
11	Deep	USLakeGeorg	16616		2562.58	615.44	2.05		2561.8	615.44	2.06		-1	0	0.0						
11	Deep	USLakeGeorg	16067		2561.85	615.06	1.29		2561.53	615.05	1.29		0	-0.01	0.0						
11	Deep	USLakeGeorg	15127		2562.13	614.8	1.18		2561.26	614.79	1.18		-1	-0.01	0.0						
11	Deep	USLakeGeorg	14039		2561.77	614.49	1.27		2561.37	614.48	1.27		0	-0.01	0.0						
11	Deep	USLakeGeorg	12507		2561.3	614.09	1.39		2561.27	614.08	1.39		0	-0.01	0.0						
11	Deep	USLakeGeorg	11631		2852.78	613.91	0.72		2850.72	613.9	0.72		-2	-0.01	0.0						
11	Deep	USLakeGeorg	10855		2852.31	613.77	1.05		2850.48	613.75	1.05		-2	-0.02	0.0						
11	Deep	USLakeGeorg	9782		2852.21	613.49	2.87		2850.5	613.47	2.87		-2	-0.02	0.0	11	0	-2	0.00	-0.02	0.0	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	9630		2852.61	613.27	2.82		2849.89	613.26	2.83		-3	-0.01	0.0						
10	Deep	USLakeGeorg	9188		2852.72	613.2	1.46		2850.61	613.18	1.46		-2	-0.02	0.0						
10	Deep	USLakeGeorg	8897		2852.16	613.13	0.81		2849.62	613.11	0.81		-3	-0.02	0.0						
10	Deep	USLakeGeorg	8295		2852.35	613	1.65		2849.97	612.98	1.66		-2	-0.02	0.0						
10	Deep	USLakeGeorg	8102		2889.94	612.9	1		2887.15	612.88	1		-3	-0.02	0.0						
10	Deep	USLakeGeorg	7054		2889.72	612.6	1.92		2886.95	612.57	1.92		-3	-0.03	0.0						
10	Deep	USLakeGeorg	6756		2889.04	612.39	1.4		2887.19	612.37	1.41		-2	-0.02	0.0						
10	Deep	USLakeGeorg	6208		2888.96	612.12	1.76		2886.67	612.09	1.76		-2	-0.03	0.0						
10	Deep	USLakeGeorg	5892		2888.42	611.99	1.72		2887.35	611.97	1.73		-1	-0.02	0.0						
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	5782		2888.52	611.91	2.02		2886.17	611.88	2.03		-2	-0.03	0.0						
10	Deep	USLakeGeorg	5461		2888.38	611.86	1.11		2887.71	611.83	1.11		-1	-0.03	0.0						
10	Deep	USLakeGeorg	5071		2889.18	611.79	0.86		2886.5	611.76	0.87		-3	-0.03	0.0						
10	Deep	USLakeGeorg	4635		2888.08	611.73	1.39		2886.28	611.7	1.39		-2	-0.03	0.0						
10	Deep	USLakeGeorg	3552		2887.43	611.6	0.92		2885.85	611.57	0.92		-2	-0.03	0.0						
10	Deep	USLakeGeorg	2936		2885.63	611.52	1.03		2886.06	611.49	1.03		0	-0.03	0.0						
10	Deep	USLakeGeorg	1907		2885.45	611.41	1.51		2882.98	611.38	1.52		-2	-0.03	0.0						
10	Deep	USLakeGeorg	1253		2883.77	611.27	1.3		2882.88	611.23	1.3		-1	-0.04	0.0						
10	Deep	USLakeGeorg	620		2881.15	611.18	1.68		2880.5	611.15	1.69		-1	-0.03	0.0	10	0	-3	0.00	-0.04	0.0	0.0
9	Deep	USDuck	75919.1		5054.32	611.06	2.17		5039.22	611.03	2.17		-15	-0.03	0.0						
9	Deep	USDuck	75919		5055.06	611.06	2.17		5039.03	611.03	2.17		-16	-0.03	0.0						
9	Deep	USDuck	74577		5060.33	611	0.59		5044.29	610.97	0.59		-16	-0.03	0.0						
9	Deep	USDuck	73646		5065.04	610.99	0.5		5048.79	610.96	0.5		-16	-0.03	0.0						
9	Deep	USDuck	73085		5067.88	610.99	0.55		5052.45	610.96	0.55		-15	-0.03	0.0						
9	Deep	USDuck	72588		5071.1	610.98	0.79		5053.41	610.95	0.79		-18	-0.03	0.0						
9	Deep	USDuck	72272		5072.6	610.93	1.98		5055.11	610.89	1.98		-17	-0.04	0.0	9	-15	-18	-0.03	-0.04	0.0	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0						
8	Deep	USDuck	72091		5068.03	610.1	3.41		5051.33	610.07	3.41		-17	-0.03	0.0						
8	Deep	USDuck	71748		5071.11	610.16	0.94		5053.92	610.12	0.94		-17	-0.04	0.0						
8	Deep	USDuck	71471		5072.06	610.16	0.83		5055.81	610.12	0.83		-16	-0.04	0.0						
8	Deep	USDuck	70800		5076.42	610.14	0.76		5058.65	610.11	0.76		-18	-0.03	0.0						
8	Deep	USDuck	70081		5079.77	610.13	0.92		5061.97	610.09	0.92		-18	-0.04	0.0						
8	Deep	USDuck	69112		5085.46	610.1	1		5067.9	610.07	1		-18	-0.03	0.0						
8	Deep	USDuck	68349		5089.41	610.1	0.67		5072.05	610.07	0.63		-17	-0.03	0.0						
8	Deep	USDuck	68057		5091.12	610.05	1.93		5073	610.04	1.66		-18	-0.01	-0.3						
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0						
8	Deep	USDuck	67862		5091.04	610.04	1.01		5073.79	610.02	1.01		-17	-0.02	0.0						
8	Deep	USDuck	67287		5094	610.04	0.57		5076.32	610.02	0.57		-18	-0.02	0.0						
8	Deep	USDuck	66449		5099.15	610.03	0.83		5081.05	610.01	0.83		-18	-0.02	0.0						
8	Deep	USDuck	65658		5103.32	610.02	0.6		5085.27	610.01	0.6		-18	-0.01	0.0						
8	Deep	USDuck	64951		5106.69	610.02	0.6		5088.42	610	0.6		-18	-0.02	0.0						
8	Deep	USDuck	64403		5109.73	610	1.11		5091.29	609.98	1.11		-18	-0.02	0.0						
8	Deep	USDuck	64140		5111.3	609.81	4.02		5092.72	609.79	4.01		-19	-0.02	0.0						
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0						
8	Deep	USDuck	63973		5111.05	608.92	3.39		5092.6	608.91	3.38		-18	-0.01	0.0						
8	Deep	USDuck	63867		5111.66	609.01	2.06		5093.04	609	2.06		-19	-0.01	0.0						
8	Deep	USDuck	63747		5112.03	609	1.98		5093.44	608.99	1.98		-19	-0.01	0.0						
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0						
8	Deep	USDuck	63518		5112.06	608.74	2.1		5093.86	608.73	2.09		-18	-0.01	0.0						
8	Deep	USDuck	63249		5113.91	608.77	0.84		5095.13	608.77	0.84		-19	0	0.0						
8	Deep	USDuck	62725		5113.85	608.78	0.4		5095.35	608.77	0.4		-19	-0.01	0.0						
8	Deep	USDuck	62349		5113.82	608.78	0.41		5095.23	608.77	0.41		-19	-0.01	0.0	8	-16	-19	0.00	-0.04	0.0	-0.3
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0						
7	Deep	USDuck	62095		5111.08	605.78	2.16		5092.85	605.73	2.16		-18	-0.05	0.0						
7	Deep	USDuck	61997		5110.81	605.81	1.26		5092.63	605.77	1.26		-18	-0.04	0.0						
7	Deep	USDuck	61825		5110.81	605.76	2.22		5092.73	605.71	2.22		-18	-0.05	0.0						
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0						
7	Deep	USDuck	61668		5109.62	605.2	3.78		5091.22	605.16	3.78		-18	-0.04	0.0						
7	Deep	USDuck	61549		5108.79	605.27	2.78		5091.45	605.23	2.78		-17	-0.04	0.0						
7	Deep	DSDuck	961329		5777.85	605.23	2.61		5756.7	605.19	2.61		-21	-0.04	0.0						
7	Deep	DSDuck	961230		5777.97	605.24	2.44		5756.48	605.2	2.44		-21	-0.04	0.0	7	-17	-21	0.00	-0.05	0.0	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0						
6	Deep	DSDuck	960993		5777.01	605.1	2.24		5753.84	605.06	2.24		-23	-0.04	0.0						
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0						
6	Deep	DSDuck	960895		5777.02	605.11	1.99		5756.02	605.06	2		-21	-0.05	0.0						
6	Deep	DSDuck	960679		5776.25	605.08	1.9		5752.95	605.03	1.9		-23	-0.05	0.0						
6	Deep	DSDuck	960529		5746.02	605.04	2.18		5724.6	604.99	2.18		-21	-0.05	0.0						
6	Deep	DSDuck	959872		4657.56	604.95	1.73		4654.46	604.91	1.74		-3	-0.04	0.0						
6	Deep	DSDuck	959178		5773.32	604.85	1.87		5751.97	604.8	1.87		-21	-0.05	0.0						
6	Deep	DSDuck	958649		5772.22	604.75	1.98		5750.07	604.7	1.98		-22	-0.05	0.0						
6	Deep	DSDuck	957989		5771.45	604.67	1.58		5749.99	604.62	1.58		-21	-0.05	0.0						
6	Deep	DSDuck	957262		5771.76	604.54	2.01		5748.69	604.5	2.02		-23	-0.04	0.0						
6	Deep	DSDuck	956509		5770.4	604.39	2.8		5748.88	604.34	2.8		-22	-0.05	0.0	6	-3	-23	0.00	-0.05	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0						
5	Deep	DSDuck	956282		5767.17	603.85	3.05		5745.6	603.81	3.05		-22	-0.04	0.0						
5	Deep	DSDuck	956184		5767.32	603.87	2.65		5744.37	603.82	2.65		-23	-0.05	0.0						
5	Deep	DSDuck	956039		5767.02	603.87	2.1		5745.7	603.83	2.1		-21	-0.04	0.0						
5	Deep	DSDuck	955916		5767.82	603.87	1.88		5744.32	603.82	1.88		-24	-0.05	0.0						

5	Deep	DSDuck	955614		5766.99	603.84	1.85		5745.29	603.79	1.85		-22	-0.05	0.0							
5	Deep	DSDuck	954784		5765.28	603.71	2.12		5744.25	603.67	2.12		-21	-0.04	0.0							
5	Deep	DSDuck	954658		5800.47	603.47	4.65		5776.25	603.43	4.65		-24	-0.04	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5796	603.24	3.38		5771.69	603.19	3.38		-24	-0.05	0.0							
5	Deep	DSDuck	954427		5797.75	603.24	3.38		5774.12	603.19	3.38		-24	-0.05	0.0							
5	Deep	DSDuck	954107		5841.48	603.24	2.18		5784.84	603.2	2.17		-57	-0.04	0.0							
5	Deep	DSDuck	953696		5840.67	603.13	2.64		5782.02	603.08	2.63		-59	-0.05	0.0							
5	Deep	DSDuck	953203		5840.53	603.08	2.04		5780.98	603.03	2.03		-60	-0.05	0.0							
5	Deep	DSDuck	952132		5835.12	602.91	2.44		5779.62	602.86	2.42		-56	-0.05	0.0							
5	Deep	DSDuck	951884		5836.41	602.82	2.56		5778.51	602.78	2.55		-58	-0.04	0.0							
5	Deep	DSDuck	951566		5835.16	602.74	2.58		5777.57	602.7	2.56		-58	-0.04	0.0							
5	Deep	DSDuck	950991		5832.6	602.62	2.84		5776.08	602.58	2.83		-57	-0.04	0.0							
5	Deep	DSDuck	950682		5831.47	602.58	2.28		5774.6	602.54	2.26		-57	-0.04	0.0							
5	Deep	DSDuck	949909		5828.42	602.42	2.42		5772.81	602.38	2.41		-56	-0.04	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5602.19	602.35	2.09		5550.66	602.31	2.08		-52	-0.04	0.0							
5	Deep	DSDuck	949168		5615.36	602.34	1.91		5561.49	602.3	1.9		-54	-0.04	0.0							
5	Deep	DSDuck	948729		5824.51	602.26	2.27		5771	602.22	2.26		-54	-0.04	0.0	5	-21	-60	0.00	-0.05	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5820.65	601.98	1.74		5765.23	601.93	1.73		-55	-0.05	0.0							
4	Deep	DSDuck	948480		5822.46	601.98	1.74		5765.85	601.93	1.73		-57	-0.05	0.0							
4	Deep	DSDuck	948428		6029.75	601.99	1.52		5970.24	601.94	1.51		-60	-0.05	0.0							
4	Deep	DSDuck	948174		6029.89	601.95	1.77		5969.69	601.9	1.77		-60	-0.05	0.0							
4	Deep	DSDuck	947566		6027.57	601.86	1.67		5969.54	601.81	1.66		-58	-0.05	0.0							
4	Deep	DSDuck	946997		6022.61	601.67	2.47		5963.76	601.63	2.45		-59	-0.04	0.0							
4	Deep	DSDuck	946167		6020.93	601.59	1.34		5963.05	601.55	1.34		-58	-0.04	0.0							
4	Deep	DSDuck	945248		6020.67	601.54	1.58		5959.58	601.5	1.57		-61	-0.04	0.0							
4	Deep	DSDuck	944337		6019.43	601.47	1.51		5960.66	601.43	1.5		-59	-0.04	0.0							
4	Deep	DSDuck	942778		6014.52	601.1	3.69		5955.91	601.06	3.68		-59	-0.04	0.0							
4	Deep	DSDuck	942375		6013.04	600.98	3.49		5954.18	600.93	3.49		-59	-0.05	0.0							
4	Deep	DSDuck	942129		6011.55	600.9	3.53		5953.69	600.86	3.53		-58	-0.04	0.0							
4	Deep	DSDuck	941984		6010.3	600.73	4.43		5951.75	600.69	4.42		-59	-0.04	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		6010.12	600.72	3.27		5952.24	600.68	3.26		-58	-0.04	0.0							
4	Deep	DSDuck	941433		6004.29	600.41	4.13		5946.98	600.37	4.12		-57	-0.04	0.0							
4	Deep	DSDuck	940705		5998.79	600.14	3.16		5941.26	600.1	3.15		-58	-0.04	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5993.29	599.84	4.07		5935.68	599.8	4.06		-58	-0.04	0.0							
4	Deep	DSDuck	940382		5991.93	599.87	1.84		5935.24	599.82	1.83		-57	-0.05	0.0							
4	Deep	DSDuck	939456		5991.39	599.77	1.86		5933.96	599.73	1.86		-57	-0.04	0.0							
4	Deep	DSDuck	938026		5988.12	599.67	1.95		5931.78	599.63	1.94		-56	-0.04	0.0							
4	Deep	DSDuck	937064		5981.11	599.3	3.52		5924.01	599.26	3.49		-57	-0.04	0.0							
4	Deep	DSDuck	936422		5979.5	599.19	2.92		5917.63	599.15	2.91		-62	-0.04	0.0							
4	Deep	DSDuck	935423		5971.41	598.99	2.89		5914.1	598.95	2.88		-57	-0.04	0.0							
4	Deep	DSDuck	934734		6058.49	598.89	2.69		6001.07	598.86	2.68		-57	-0.03	0.0							
4	Deep	DSDuck	934223		6052.27	598.82	2.56		5995.81	598.78	2.55		-56	-0.04	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6053.33	598.3	2.78		5995.81	598.26	2.77		-58	-0.04	0.0							
4	Deep	DSDuck	933391		6050.43	598.23	2.61		5992.39	598.19	2.6		-58	-0.04	0.0							
4	Deep	DSDuck	932574		5939.54	597.99	3.06		5873.53	597.95	3.04		-66	-0.04	0.0							
4	Deep	DSDuck	931721		5897.77	597.79	2.91		5830.03	597.76	2.89		-68	-0.03	0.0							
4	Deep	DSDuck	931117		5886.62	597.75	2.35		5819.31	597.71	2.33		-67	-0.04	0.0							
4	Deep	DSDuck	930406		5871.71	597.68	2.26		5796.16	597.65	2.24		-76	-0.03	0.0							
4	Deep	DSDuck	929978		5851.53	597.63	2.22		5787.32	597.6	2.2		-64	-0.03	0.0							
4	Deep	DSDuck	929807		5838.68	597.58	2.61		5768.81	597.55	2.59		-70	-0.03	0.0	4	-55	-76	0.00	-0.05	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5828.56	597.4	2.78		5751.39	597.37	2.75		-77	-0.03	0.0							
3	Deep	DSDuck	929174		5812.45	597.38	2.18		5741.25	597.35	2.16		-71	-0.03	0.0							
3	Deep	DSDuck	928469		5776.42	597.29	2.43		5713.07	597.26	2.41		-63	-0.03	0.0							
3	Deep	DSDuck	927523		5717.38	597.13	2.96		5639.3	597.1	2.94		-78	-0.03	0.0							
3	Deep	DSDuck	926814		5698.22	597.08	2.46		5607.12	597.05	2.43		-91	-0.03	0.0							
3	Deep	DSDuck	926669		5682.19	597.04	2.66		5578.47	597.02	2.62		-104	-0.02	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5681.65	597.04	1.93		5580.82	597.02	1.91		-101	-0.02	0.0							
3	Deep	DSDuck	925793		5634.14	596.94	2.6		5535.61	596.92	2.57		-99	-0.02	0.0							
3	Deep	DSDuck	925300		5582.21	596.88	2.48		5497.9	596.86	2.45		-84	-0.02	0.0							
3	Deep	DSDuck	925073		5571.32	596.85	2.2		5471.59	596.83	2.16		-100	-0.02	0.0							
3	Deep	DSDuck	924833		5490.47	596.77	2.94		5441.47	596.75	2.92		-49	-0.02	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5440.47	595.99	3.29		5348.7	595.97	3.24		-92	-0.02	0.0							
3	Deep	DSDuck	924342		5332.69	595.92	3.01		5317.63	595.91	3		-15	-0.01	0.0							
3	Deep	DSDuck	924002		5292.99	595.86	2.82		5279.81	595.85	2.82		-13	-0.01	0.0							
3	Deep	DSDuck	923827		5262.26	595.82	2.86		5250.95	595.81	2.86		-11	-0.01	0.0							
3	Deep	DSDuck	923771		5231.25	595.78	3.4		5218.6	595.76	3.4		-13	-0.02	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5209.36	595.73	2.3		5206.03	595.71	2.3		-3	-0.02	0.0							
3	Deep	DSDuck	923653		5200.93	595.7	2.37		5199.2	595.68	2.38		-2	-0.02	0.0							
3	Deep	DSDuck	923529		5177.84	595.64	3.2		5178.28	595.62	3.21		0	-0.02	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5185.22	595.64	2.73		5175.46	595.63	2.73		-10	-0.01	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5177.56	595.63	2.71		5174.75	595.61	2.71		-3	-0.02	0.0							
3	Deep	DSDuck	923408		5164.05	595.61	3.17		5163.87	595.59	3.18		0	-0.02	0.0							
3	Deep	DSDuck	923308		5155.18	595.6	2.83		5154	595.58	2.84		-1	-0.02	0.0							
3	Deep	DSDuck	923080		5133.26	595.6	2.38		5137.84	595.59	2.39		5	-0.01	0.0							
3	Deep	DSDuck	922636		5122.21	595.55	2.75		5120.6	595.53	2.76		-2	-0.02	0.0							
3	Deep	DSDuck	922169		5085.8	595.5	2.65		5083.74	595.48	2.66		-2	-0.02	0.0							
3	Deep	DSDuck	921587		5162.34	595.38	2.94		5150.04	595.36	2.94		-12	-0.02	0.0							
3	Deep	DSDuck	921501		5116.32	595.24	4		5117.72	595.22	4		1	-0.02	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5067.04	595.1	3.63		5061.98	595.09	3.64		-5	-0.01	0.0							
3	Deep	DSDuck	921039.1		5064.43	595.1	3.63		5061.98	595.09	3.64		-2	-0.01	0.0							
3	Deep	DSDuck	921039		5063.03	595.1	3.63		5061.97	595.09	3.64		-1	-0.01	0.0	3	5	-104	0.00	-0.03	0.0	0.0
1	Burns	Burns	920939		5245.13	595.1	3.89		5235.48	595.09	3.89		-10	-0.01	0.0							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5233.14	594.98	4.14		5221.16	594.96	4.14		-12	-0.02	0.0							
1	Burns	Burns	920468		5230.76	594.95	3.96		5217.8	594.93	3.96		-13	-0.02	0.0							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5071.14	594.94	3.5		5069.73	594.92	3.5		-1	-0.02	0.0							
1	Burns	Burns	919872		5103.06	594.88	3.41		5095.38	594.86	3.41		-8	-0.02	0.0							
1	Burns	Burns	919832		5186.18	594.87	3.39		5174.43	594.85	3.38		-12	-0.02	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5160.53	594.68	3.89		5154.43	594.66	3.89		-6	-0.02	0.0							
1	Burns	Burns	919588		5162.84	594.68	3.82		5154.94	594.66	3.82		-8	-0.02	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5172.73	594.75	2.85		5162.47	594.73	2.85		-10	-0.02	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919340		4932.01	594.73	2.92		4929.1	594.7	2.92		-3	-0.03	0.0							
1	Burns	Burns	919021		4053.83	594.78	2.1		4040.06	594.76	2.09		-14	-0.02	0.0							
1	Burns	Burns	918058		2245.39	594.8	1.32		2243.54	594.78	1.32		-2	-0.02	0.0							
1	Burns	Burns	917449		1613.95	594.81	0.99		1610.45	594.78	0.99		-4	-0.03	0.0							
1	Burns	Burns	916752		1822.23	594.78	1.11		1841.41	594.76	1.12		19	-0.02	0.0							
1	Burns	Burns	916647		1874.21	594.77	1.26		1898.12	594.75	1.28		24	-0.02	0.0							
1	Burns	Burns	916591		Bridge				Bridge					0	0.0							
1	Burns	Burns	916504		1874.6	594.76	1.24		1898.08	594.73	1.26		23	-0.03	0.0							
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916384		1875.9	594.75	1.19		1900.68	594.73	1.21		25	-0.02	0.0							
1	Burns	Burns	915170		1177.68	594.75	0.79		1205.33	594.73	0.81		28	-0.02	0.0							
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	913799		1086.36	594.74	0.73		1121.63	594.71	0.76		35	-0.03	0.0							
1	Burns	Burns	912165		1366.73	594.72	0.81		1410.91	594.69	0.84		44	-0.03	0.0							
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	911500		2150.8	594.67	1.34		2222.34	594.64	1.38		72	-0.03	0.0							
1	Burns	Burns	909818		3235.75	594.52	1.92		3275.19	594.48	1.95		39	-0.04	0.0							
1	Burns	Burns	907147		5040.35	594.08	2.9		5025.28	594.04	2.9		-15	-0.04	0.0							
1	Burns	Burns	905522		5049.17	593.84	2.82		5028.75	593.8	2.81		-20	-0.04	0.0							
1	Burns	Burns	905438		Bridge				Bridge					0	0.0							
1	Burns	Burns	905364		5049.17	593.79	2.83		5028.75	593.76	2.82		-20	-0.03	0.0							
1	Burns	Burns	904862		5007.02	593.69	3.03		5019.03	593.66	3.05		12	-0.03	0.0							
1	Burns	Burns	904213		5000.17	593.61	2.79		4980.78	593.57	2.8		-19	-0.04	0.0							
1	Burns	Burns	903765		4990.99	593.53	2.85		4972.83	593.49	2.85		-18	-0.04	0.0							
1	Burns	Burns	903487		4987.72	593.5	2.73		4967.21	593.46	2.73		-21	-0.04	0.0							
1	Burns	Burns	903304		Bridge				Bridge					0	0.0							
1	Burns	Burns	903222		4980.29	593.37	3.02		4959.58	593.33	3.01		-21	-0.04	0.0							
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	902545		4913.42	593.28	2.82		4949.58	593.24	2.85		36	-0.04	0.0							
1	Burns	Burns	902215		4816.03	593.24	2.8		4791.32	593.21	2.79		-25	-0.03	0.0							
1	Burns	Burns	901966		4815.87	593.2	2.88		4791.42	593.16	2.88		-24	-0.04	0.0							
1	Burns	Burns	901643		4922.18	593.21	2.32		4892.07	593.17	2.31		-30	-0.04	0.0							
1	Burns	Burns	901478		Bridge				Bridge					0	0.0							
1	Burns	Burns	901218		4843.57	593.07	2.39		4852.67	593.03	2.4		9	-0.04	0.0							
1	Burns	Burns	900573		4835.53	592.96	2.92		4806.99	592.92	2.9		-29	-0.04	0.0							
1	Burns	Burns	900081		4833.44	592.91	2.82		4804.43	592.87	2.81		-29	-0.04	0.0							
1	Burns	Burns	18866		4833.54	592.9	2.72		4806.98	592.87	2.72		-27	-0.03	0.0							
1	Burns	Burns	18616		4829.5	592.76	3.62		4800.27	592.72	3.61		-29	-0.04	0.0							
1	Burns	Burns	18571		Bridge				Bridge					0	0.0							
1	Burns	Burns	18530		4830.82	592.81	3.03		4800.46	592.77	3.02		-30	-0.04	0.0							
1	Burns	Burns	18529		4830.6	592.81	3.03		4800.55	592.77	3.02		-30	-0.04	0.0							
1	Burns	Burns	18452		Bridge				Bridge					0	0.0							
1	Burns	Burns	18365		4831.67	591.46	2.82		4801.18	591.43	2.81		-30	-0.03	0.0							
1	Burns	Burns	18249		4832.38	591.46	2.68		4801.58	591.42	2.67		-31	-0.04	0.0							
1	Burns	Burns	18079		5092.84	591.36	3.26		5062.83	591.32	3.25		-30	-0.04	0.0							
1	Burns	Burns	18078		5092.81	591.36	3.25		5063.62	591.32	3.25		-29	-0.04	0.0							
1	Burns	Burns	18017		Bridge				Bridge					0	0.0							
1	Burns	Burns	17972		5023.95	591.17	3.68		4993.37	591.14	3.66		-31	-0.03	0.0							
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	17309		5019.75	591.11	2.84		4988.84	591.07	2.83		-31	-0.04	0.0							
1	Burns	Burns	16898		4975.12	591.05	2.75		4985.82	591.02	2.76		11	-0.03	0.0							
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	15741		4927.13	590.82	3.1		4893.39	590.79	3.08		-34	-0.03	0.0							
1	Burns	Burns	13924		4949.34	590.53	2.89		4912.97	590.5	2.88		-36	-0.03	0.0							
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	13011		4991.44	590.4	2.75		4955.22	590.37	2.74		-36	-0.03	0.0							
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	12071		4988.06	590.25	2.85		4951.92	590.23	2.84		-36	-0.02	0.0							
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	10554		4984.46	590.1	2.25		4948.24	590.07	2.23		-36	-0.03	0.0							
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	9194		5012.67	589.95	2.34		4975.52	589.93	2.33		-37	-0.02	0.0							
1	Burns	Burns	7751		5006.69	589.81	2.29		4973.71	589.79	2.28		-33	-0.02	0.0							
1	Burns	Burns	7232		5002.49	589.76	2.21		4973.11	589.74	2.2		-29	-0.02	0.0							
1	Burns	Burns	5385		4989.1	589.56	2.29		4953.94	589.54	2.28		-35	-0.02	0.0							
1	Burns	Burns	4161		4915.27	589.4	2.58		4875.69	589.37	2.57		-40	-0.03	0.0							
1	Burns	Burns	3756		14040.52	588.66	4.59		14003.75	588.63	4.59		-37	-0.03	0.0							
1	Burns	Burns	3276		14040.47	588.42	5.05		14003.82	588.4	5.04		-37	-0.02	0.0							
1	Burns	Burns	2944		14121.73	588.18	5.6		14083.3	588.16	5.59		-38	-0.02	0.0							
1	Burns	Burns	2144		14121.32	588.26	2.1		14082.76	588.24	2.1		-39	-0.02	0.0							
1	Burns	Burns	1865		Bridge				Bridge					0	0.0							
1	Burns	Burns	1794		14121.29	587.12	6.12		14082.87	587.1	6.11		-38	-0.02	0.0							
1	Burns	Burns	1793		14121.49	587.12	6.11		14082.96	587.11	6.1		-39	-0.01	0.0							
1	Burns	Burns	1758		Bridge				Bridge					0	0.0							
1	Burns	Burns	1700		14121.5	586.56	7.29		14082.95	586.54	7.28		-39	-0.02	0.0							
1	Burns	Burns	1699		14121.03	586.56	7.28		14082.77	586.54	7.26		-38	-0.02	0.0							
1	Burns	Burns	1634		Bridge				Bridge					0	0.0							
1	Burns	Burns	1579		14121.51	586.98	4.9		14083.18	586.96	4.89		-38	-0.02	0.0							
1	Burns	Burns	1518		14121.57	586.95	4.85		14082.9	586.94	4.85		-39	-0.01	0.0							
1	Burns	Burns	784		14121.29	586.64	4.83		14082.97	586.62	4.82		-38	-0.02	0.0							
1	Burns	Burns	682		14121.19	586.5	5.36		14082.67	586.48	5.35		-39	-0.02	0.0							
1	Burns	Burns	588		Bridge				Bridge					0	0.0							
1	Burns	Burns	532.1		14121.14	584.63	9.08		14082.98	584.62	9.07		-38	-0.01	0.0							
1	Burns	Burns	532		14121.29	584.91	8.03		14083.2	584.9	8.02		-38	-0.01	0.0							
1	Burns	Burns	100		14121.58	585.03	5.38		14083.24	585.02	5.37		-38	-0.01	0.0							
1	Burns	Burns	1		14121.32	582.93	5.97		14082.08	582.92	5.96		-39	-0.01	0.0							
1	Burns	Burns	0		476.6	581.1	0.03		476.6	581.1	0.03		0	0	0.0	1	72	-40	0.00	-0.04	0.0	0.0

Project Description: divert approximately 480 Acres of upper Stinky ck basin via pipe to DeepRiver almost 2,000 feet downstream of Michigan St
Project Location: 0
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	negligible	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	negligible	negligible	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	negligible	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	negligible	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	negligible	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	negligible	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	negligible	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	negligible	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	negligible	negligible	negligible		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	negligible	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 11: PROJECT IMPACT SPREADSHEET FOR LAKE GEORGE SPILLWAY EXPANSION

paste model output results here - make sure same order and cross sections					EX100y96hARF				double Lake George outlet				double Lake George outlet length project - existing								
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl						
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.38	622.63	1.5		903.98	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		902.09	622.35	3.61		901.08	622.35	3.61		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072.44	622.15	2.98		1072.37	622.15	2.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1070.12	621.84	2.32		1068.83	621.84	2.32		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1067.53	621.57	1.93		1067.61	621.57	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1066.47	621.41	2.36		1066.65	621.41	2.36		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1064.03	621.1	3.31		1063.92	621.09	3.31		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062.12	620.82	2.78		1062.49	620.82	2.78		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1061.74	620.8	1.61		1062.07	620.8	1.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1061.83	620.78	1.28		1062.36	620.78	1.28		1	0	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1062.15	620.77	0.92		1062.05	620.77	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1061.75	620.76	0.4		1061.82	620.76	0.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1377.83	620.75	0.55		1377.96	620.75	0.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1377.78	620.71	1.79		1377.72	620.71	1.79		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1377.4	620.59	3.1		1377.2	620.59	3.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1370.18	619.75	4.29		1369.53	619.75	4.29		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1370.62	619.79	3.97		1369.45	619.79	3.96		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1372.29	619.87	3.09		1372.19	619.87	3.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.29	619.93	1.67		1371.96	619.93	1.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1372.64	619.94	1.1		1372.44	619.94	1.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372.23	619.94	1.03		1372.65	619.94	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.23	619.93	1.02		1373.04	619.92	1.02		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372.33	619.92	1.01		1372.33	619.92	1.01		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784.39	619.91	0.92		1785.53	619.91	0.92		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.23	619.9	0.89		1785.15	619.9	0.89		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.8	619.89	0.93		1785.89	619.89	0.93		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1784.94	619.88	0.94		1785.36	619.88	0.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.19	619.87	0.95		1785.24	619.87	0.95		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.09	619.86	1.16		1785.38	619.85	1.16		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1783.84	619.85	1.25		1785.03	619.85	1.25		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.15	619.83	1.43		1785.27	619.83	1.44		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784.31	619.83	1.5		1784.47	619.82	1.5		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1784	619.82	1.46		1785.12	619.82	1.46		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.19	619.8	1.54		1784.36	619.8	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1783.65	619.79	1.35		1784.78	619.79	1.35		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783.45	619.78	1.55		1784.68	619.78	1.55		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.22	619.76	1.54		1785.2	619.76	1.54		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1783.57	619.77	1.18		1784.84	619.76	1.18		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1783.73	619.76	1.06		1784.51	619.76	1.06		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.46	619.75	1.17		1784.52	619.75	1.17		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784.31	619.75	1.13		1784.84	619.75	1.13		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784.06	619.74	0.99		1784.38	619.74	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.87	619.74	1.14		1784.5	619.74	1.14		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.87	619.71	1.48		1784.82	619.71	1.48		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1784.05	619.7	1.74		1784.5	619.7	1.74		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1783.83	619.67	1.69		1784.07	619.67	1.69		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1783.1	619.66	1.63		1783.74	619.66	1.63		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1783.59	619.66	1.03		1784.42	619.66	1.03		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1783.8	619.66	0.58		1783.66	619.66	0.58		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.13	619.65	0.56		1784.46	619.65	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.31	619.65	0.71		1784.08	619.65	0.71		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.71	619.64	1.04		1784.14	619.64	1.05		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.1	619.64	0.77		1784.42	619.64	0.77		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1783.9	619.64	0.72		1784.38	619.63	0.72		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.89	619.63	0.56		1783.93	619.63	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.22	619.62	1.03		1784.11	619.62	1.03		1	0	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1783.81	619.61	1.15		1783.76	619.61	1.15		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1783.53	619.61	0.71		1783.83	619.61	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.47	619.61	0.97		1784.58	619.61	0.98		1	0	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783.36	619.59	1.44		1784.08	619.59	1.44		1	0	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.36	619.59	1.33		1783.74	619.59	1.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783.47	619.58	1.45		1783.75	619.57	1.45		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1783.81	619.55	1.26		1784.19	619.55	1.26		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783.39	619.55	1.21		1784.27	619.54	1.21		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	23314		1783.58	619.5	1.72		1784.01	619.5	1.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783.41	619.47	1.4		1783.96	619.46	1.4		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783.38	619.45	1.85		1783.92	619.45	1.85		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.42	619.41	2.09		1783.8	619.41	2.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783.47	619.41	1.86		1783.8	619.41	1.87		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22731		1783.53	619.43	1.16		1783.68	619.42	1.16		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783.46	619.42	1.3		1783.72	619.42	1.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.4	619.41	1.22		1783.82	619.41	1.22		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1783.92	619.39	1.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783.42	619.33	2.45		1783.76	619.33	2.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.65	618.88	3.03		1783.78	618.88	3.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.48	618.86	3.41		1783.94	618.86	3.41		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.48	618.91	2.52		1783.94	618.91	2.53		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.54	618.94	1.94		1783.92	618.94	1.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.43	618.95	1.47		1784.05	618.95	1.47		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.49	618.92	1.86		1784.01	618.92	1.86		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.56	618.77	3.49		1783.79	618.77	3.49		0	0	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.56	618.58	3.98		1783.74	618.58	3.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.5	618.68	2.19		1783.84	618.68	2.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1783.79	618.65	1.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.36	618.63	0.99		1783.71	618.62	0.99		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.63	618.58	1.24		2194	618.58	1.25		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.5	618.52	1.93		2193.86	618.52	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.59	618.45	2.1		2193.97	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.4	618.36	2.29		2193.98	618.36	2.29		1	0	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.49	618.28	1.81		2193.84	618.28	1.81		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.4	618.2	2.67		2193.93	618.2	2.67		1	0	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2193.89	617.94	4.33		1	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.39	617.92	3.04		2193.83	617.92	3.05		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.37	617.26	6.71		2193.9	617.26	6.71		1	0	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.89	616.2	8.11		2193.91	616.19	8.13		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	18578		2193.01	616.31	6.22		2193.86	616.3	6.23		1	-0.01	0.0	17	1	-1	0.00	-0.01	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2193.02	615.43	5.41		2193.85	615.42	5.43		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.8	615.07	6.57		2193.81	615.06	6.59		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.8	614.84	5.71		2193.81	614.82	5.73		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	18032		2192.3	614.91	3.45		2193.8	614.9	3.47		2	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.99	614.82	2.9		2193.68	614.8	2.92		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.56	614.73	3.22		2193.77	614.71	3.24		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.54	614.65	2.35		2193.68	614.63	2.37		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.51	614.62	2.17		2193.66	614.59	2.18		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	16917		2191.7	614.59	1.23		2193.77	614.57	1.23		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	16494		2191.53	614.55	1.33		2193.68	614.52	1.34		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	16288		2191.18	614.51	1.57		2193.68	614.49	1.59		3	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	15975		2191.04	614.47	1.54		2193.67	614.44	1.55		3	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15724		2191.29	614.4	2.08		2193.44	614.37	2.09		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15587		2394.58	614.35	1.94		2407.77	614.33	1.96		13	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	15472		2391.83	614.28	2.84		2407.55	614.25	2.88		16	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15271		2392.25	614.25	1.78		2407.21	614.22	1.81		15	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15130		2391.51	614.24	1.54		2407.19	614.21	1.57		16	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14901		2390.94	614.22	1.32		2406.73	614.18	1.33		16	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14694		2389.53	614.19	1.44		2406.35	614.16	1.46		17	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14500		2389.59	614.17	1.36		2406.22	614.14	1.38		17	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14254		2388.55	614.16	0.9		2406.17	614.12	0.91		18	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14081		2388.21	614.15	0.94		2406.81	614.11	0.95		19	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13909		2387.14	614.13	1.07		2406.42	614.1	1.09		19	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	13580		2384	614.07	2.13		2405.98	614.03	2.17		22	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13356		2381.75	614	2.14		2405.62	613.96	2.17		24	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13150		2369.18	613.81	3.78		2404.25	613.76	3.87		35	-0.05	0.1							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2328.87	613.52	4.16		2400.65	613.44	4.33		72	-0.08	0.2							
16	TurkeyCreek	TurkeyCk	12967		2336	613.55	3.69		2400.37	613.48	3.83		64	-0.07	0.1							
16	TurkeyCreek	TurkeyCk	12836		2333.69	613.53	2.84		2400.04	613.46	2.96		66	-0.07	0.1							
16	TurkeyCreek	TurkeyCk	12718		2330.54	613.52	2.13		2399.8	613.44	2.23		69	-0.08	0.1							
16	TurkeyCreek	TurkeyCk	12536		2327.01	613.5	1.65		2399.58	613.42	1.72		73	-0.08	0.1							
16	TurkeyCreek	TurkeyCk	12244		2321.65	613.45	1.79		2398.29	613.36	1.88		77	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11927		2312.77	613.38	2.03		2397.42	613.29	2.14		85	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11687		2309.59	613.34	1.6		2396.74	613.25	1.7		87	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11449		2304.93	613.3	1.48		2395.7	613.2	1.57		91	-0.1	0.1							
16	TurkeyCreek	TurkeyCk	11232		2287.24	613.18	2.98		2394.03	613.05	3.19		107	-0.13	0.2							
16	TurkeyCreek	TurkeyCk	11119		2269.41	613	3.77		2389.24	612.85	4.07		120	-0.15	0.3							
16	TurkeyCreek	TurkeyCk	11013		2234.27	612.74	5.04		2375.93	612.52	5.56		142	-0.22	0.5							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2182.43	612.42	5.64		2338.15	612.11	6.36		156	-0.31	0.7							
16	TurkeyCreek	TurkeyCk	10905		2162.05	612.33	5.7		2320.96	611.98	6.43		159	-0.35	0.7							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2153.87	612.3	4.08		2291.31	611.9	4.64		137	-0.4	0.6							
16	TurkeyCreek	TurkeyCk	10552		2103.24	611.99	5.28		2197.73	611.43	6.07		94	-0.56	0.8							
16	TurkeyCreek	TurkeyCk	10251		2099.77	611.92	1.17		2163.68	611.31	1.31		64	-0.61	0.1							
16	TurkeyCreek	TurkeyCk	9979		2095.15	611.89	1.32		2159.25	611.27	1.49		64	-0.62	0.2							
16	TurkeyCreek	TurkeyCk	9783		2093.83	611.89	1.01		2159.11	611.26	1.19		65	-0.63	0.2							
16	TurkeyCreek	TurkeyCk	9526		2082.42	611.83	1.92		2144.02	611.17	2.22		62	-0.66	0.3							
16	TurkeyCreek	TurkeyCk	9168		2073.51	611.75	1.96		2124.28	611.06	2.28		51	-0.69	0.3							
16	TurkeyCreek	TurkeyCk	8838		2073.87	611.72	0.97		2114.41	611.01	1.14		41	-0.71	0.2							
16	TurkeyCreek	TurkeyCk	8503		2069.16	611.7	1.16		2109.55	610.97	1.34		40	-0.73	0.2							
16	TurkeyCreek	TurkeyCk	8221		2070.59	611.69	1.02		2103.88	610.96	1.19		33	-0.73	0.2							
16	TurkeyCreek	TurkeyCk	8013		2070.86	611.68	0.8		2104.41	610.95	0.95		34	-0.73	0.2							
16	TurkeyCreek	TurkeyCk	7673		2069.25	611.67	1.05		2101.01	610.93	1.22		32	-0.74	0.2							
16	TurkeyCreek	TurkeyCk	7223		2063.24	611.64	1.41		2095.16	610.88	1.6		32	-0.76	0.2							
16	TurkeyCreek	TurkeyCk	6947		2062.19	611.6	1.76		2085.84	610.83	2.03		24	-0.77	0.3							
16	TurkeyCreek	TurkeyCk	6829		2057.68	611.59	1.69		2084.19	610.81	1.95		27	-0.78	0.3							
16	TurkeyCreek	TurkeyCk	6686		2050.8	611.5	2.6		2067.92	610.69	2.93		17	-0.81	0.3	16	159	1	0.00	-0.81	0.8	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2046.25	611.48	2.03		2059.85	610.66	2.34		14	-0.82	0.3							
9	TurkeyCreek	TurkeyCk	6407		2050.16	611.46	1.43		2060.29	610.63	1.65		10	-0.83	0.2							
9	TurkeyCreek	TurkeyCk	6204		2041.33	611.41	2.01		2050.52	610.54	2.33		9	-0.87	0.3							
9	TurkeyCreek	TurkeyCk	5151		2021.8	611.22	0.68		2013.54	610.25	0.8		-8	-0.97	0.1							
9	TurkeyCreek	TurkeyCk	2193		2014.66	611.14	0.51		2003.5	610.14	0.59		-11	-1	0.1							
9	TurkeyCreek	TurkeyCk	500		2154.98	611.12	0.29		2137.96	610.11	0.31		-17	-1.01	0.0							
9	TurkeyCreek	TurkeyCk	50		2155.22	611.12	0.39		2139.06	610.11	0.42		-16	-1.01	0.0	9	14	-17	-0.82	-1.01	0.3	0.0
2	LCal	LCal	2575		153.96	595.19	0.06		144.37	595.3	0.06		-10	0.11	0.0							
2	LCal	LCal	2359		152.17	595.19	0.05		143.58	595.3	0.04		-9	0.11	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.96	595.19	0.05		144.21	595.3	0.04		-10	0.11	0.0							
2	LCal	LCal	2172		152.27	595.19	0.05		143.77	595.3	0.04		-9	0.11	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.16	595.15	0.09		113.54	595.27	0.09		-3	0.12	0.0							
2	LCal	LCal	1559		115.79	595.15	0.1		113.77	595.27	0.09		-2	0.12	0.0							
2	LCal	LCal	1414		116.6	595.15	0.15		113.89	595.27	0.14		-3	0.12	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		103.3	595.12	0.09		95.16	595.24	0.08		-8	0.12	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		149.16	595.12	0.17		160.34	595.23	0.18		11	0.11	0.0							
2	LCal	LCal	173		179.45	595.11	0.23		215.3	595.23	0.28		36	0.12	0.1	2	36	-10	0.12	0.00	0.1	0.0
21	Duck Ck	DuckCk	20671		428.88	616.21	1.74		428.89	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.87	616.04	1.97		428.87	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.89	615.82	2.37		428.87	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.87	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.87	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.84	615.12	1.81		428.84	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.86	614.9	2		428.84	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.74	614.07	2.04		428.77	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.75	613.87	1.73		428.74	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.45	613.22	2.37		428.47	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.95	612.74	1.96		427.86	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		427.1	612.26	1.91		427.03	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.6	612.12	1.37		426.64	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.29	611.94	1.51		426.29	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		425.86	611.82	1.43		425.91	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.72	611.74	1.01		425.8	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.44	611.62	1.92		425.37	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.85	611.21	2.51		423.58	611.21	2.5		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.28	611.09	1.98		423.03	611.1	1.98		0	0.01	0.0							
21	Duck Ck	DuckCk	15534		422.04	610.86	1.98		421.78	610.86	1.97		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.33	610.72	1.29		421.32	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		420.77	610.62	1.32		420.62	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.67	610.58	0.84		420.5	610.58	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14584		420.6	610.54	0.85		420.33	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.31	610.51	0.85		420.04	610.51	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14091		420.2	610.41	1.56		419.76	610.42	1.55		0	0.01	0.0	21	0	0	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.55	610	1.62		418.81	610	1.61		-1	0	0.0							
20	Duck Ck	DuckCk	13704		419.02	609.87	1.44		418.26	609.88	1.44		-1	0.01	0.0							
20	Duck Ck	DuckCk	13464		418.41	609.77	1.27		417.8	609.78	1.26		-1	0.01	0.0							
20	Duck Ck	DuckCk	13279		418.19	609.73	0.78		417.5	609.74	0.78		-1	0.01	0.0							
20	Duck Ck	DuckCk	12964		581.93	609.68	1.04		580.06	609.69	1.04		-2	0.01	0.0							
20	Duck Ck	DuckCk	12613		580.69	609.61	1.05		578.37	609.62	1.04		-2	0.01	0.0							
20	Duck Ck	DuckCk	12306		583.34	609.57	0.78		581.21	609.58	0.77		-2	0.01	0.0							
20	Duck Ck	DuckCk	11932		587.1	609.52	0.9		584.39	609.53	0.89		-3	0.01	0.0							
20	Duck Ck	DuckCk	11876		587.47	609.5	1.15		584.01	609.52	1.14		-3	0.02	0.0							
20	Duck Ck	DuckCk	11801		587.96	609.5	0.86		585.07	609.51	0.85		-3	0.01	0.0							
20	Duck Ck	DuckCk	11485		590.63	609.47	0.8		587.7	609.48	0.79		-3	0.01	0.0							
20	Duck Ck	DuckCk	10998		595.56	609.41	0.95		591.84	609.43	0.94		-4	0.02	0.0							
20	Duck Ck	DuckCk	10813		597.07	609.4	0.72		593.9	609.41	0.71		-3	0.01	0.0							
20	Duck Ck	DuckCk	10553		599.39	609.38	0.77		596.24	609.39	0.76		-3	0.01	0.0							
20	Duck Ck	DuckCk	10293		601.52	609.36	0.84		598.05	609.37	0.84		-3	0.01	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		601.83	609.34	0.68		598.19	609.35	0.67		-4	0.01	0.0							
20	Duck Ck	DuckCk	9854		606.13	609.31	0.77		601.95	609.32	0.77		-4	0.01	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		605.82	609.29	0.79		-4	0.01	0.0							
20	Duck Ck	DuckCk	9287		612.43	609.27	0.56		607.96	609.29	0.56		-4	0.02	0.0							
20	Duck Ck	DuckCk	9053		614.58	609.26	0.7		609.93	609.27	0.7		-5	0.01	0.0							
20	Duck Ck	DuckCk	8833		617.05	609.25	0.62		612.57	609.26	0.61		-4	0.01	0.0							
20	Duck Ck	DuckCk	8619		820.47	609.22	1.03		812.92	609.24	1.02		-8	0.02	0.0							
20	Duck Ck	DuckCk	8373		823.32	609.2	0.55		816.19	609.22	0.54		-7	0.02	0.0							
20	Duck Ck	DuckCk	8099		826.08	609.2	0.36		818.36	609.21	0.35		-8	0.01	0.0							
20	Duck Ck	DuckCk	7623		828.65	609.19	0.43		821.49	609.21	0.43		-7	0.02	0.0							
20	Duck Ck	DuckCk	7254		832.96	609.18	0.56		825.31	609.19	0.55		-8	0.01	0.0							
20	Duck Ck	DuckCk	6856		836.61	609.17	0.46		828.51	609.18	0.45		-8	0.01	0.0							
20	Duck Ck	DuckCk	6359		841.68	609.15	0.73		833.01	609.16	0.72		-9	0.01	0.0							
20	Duck Ck	DuckCk	6163		843.47	609.14	0.6		833.89	609.16	0.59		-10	0.02	0.0							
20	Duck Ck	DuckCk	5848		848.33	609.13	0.27		839.4	609.15	0.26		-9	0.02	0.0							
20	Duck Ck	DuckCk	5638		852.04	609.13	0.37		842.79	609.15	0.36		-9	0.02	0.0							
20	Duck Ck	DuckCk	5361		854.72	609.12	0.77		845.42	609.14	0.76		-9	0.02	0.0							
20	Duck Ck	DuckCk	4639		862.05	609.1	0.43		851.85	609.12	0.42		-10	0.02	0.0							
20	Duck Ck	DuckCk	4257		866.35	609.1	0.42		855.91	609.11	0.42		-10	0.01	0.0							
20	Duck Ck	DuckCk	4109		868.43	609.09	0.35		857.08	609.11	0.34		-11	0.02	0.0							
20	Duck Ck	DuckCk	3892		869.9	609	2.63		854.38	609.03	2.58		-16	0.03	0.0	20	-1	-16	0.03	0.00	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		865.72	608.54	2.7		837.54	608.59	2.61		-28	0.05	-0.1							
19	Duck Ck	DuckCk	3668		868.14	608.57	0.77		841.64	608.62	0.74		-27	0.05	0.0							
19	Duck Ck	DuckCk	3440		870.56	608.57	0.5		843.68	608.61	0.49		-27	0.04	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		721.69	606.85	2.03		782.24	607.01	2.15		61	0.16	0.1							
19	Duck Ck	DuckCk	3342		719.57	606.75	3.38		778.71	606.89	3.62		59	0.14	0.2	19	61	-28	0.16	0.00	0.2	-0.1
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.35	606.05	4.12		712.16	606.08	4.29		31	0.03	0.2							
18	Duck Ck	DuckCk	3203		686.78	606.17	1.57		723.38	606.21	1.63		37	0.04	0.1							
18	Duck Ck	DuckCk	3126		687.25	606.16	1.03		723.86	606.2	1.07		37	0.04	0.0							
18	Duck Ck	DuckCk	2965		688.11	606.13	1.01		721.79	606.17	1.04		34	0.04	0.0							
18	Duck Ck	DuckCk	2849		688.83	606.11	0.99		723.15	606.15	1.03		34	0.04	0.0							
18	Duck Ck	DuckCk	2794		688.17	606.1	1.03		723.67	606.14	1.08		36	0.04	0.1							
18	Duck Ck	DuckCk	2687		689.3	606.09	0.88		722.08	606.13	0.91		33	0.04	0.0							
18	Duck Ck	DuckCk	2524		689.6	606.07	0.89		723.25	606.11	0.93		34	0.04	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.21	606.06	0.85		721.93	606.09	0.88		34	0.03	0.0							
18	Duck Ck	DuckCk	2183		690.38	606.04	0.92		722.66	606.07	0.95		32	0.03	0.0							
18	Duck Ck	DuckCk	2053		691.18	606.01	0.87		721.83	606.04	0.9		31	0.03	0.0							
18	Duck Ck	DuckCk	1765		691.13	605.96	1.13		720.01	605.99	1.17		29	0.03	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		667.65	605.48	0.88		679.24	605.47	0.89		12	-0.01	0.0							
18	Duck Ck	DuckCk	1358		669.04	605.47	0.81		677.53	605.46	0.83		8	-0.01	0.0							
18	Duck Ck	DuckCk	960		672.45	605.45	0.5		681.19	605.45	0.51		9	0	0.0							
18	Duck Ck	DuckCk	792		672.7	605.45	0.36		682.94	605.45	0.37		10	0	0.0							
18	Duck Ck	DuckCk	572		673.06	605.41	1.3		684.63	605.4	1.33		12	-0.01	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		666.22	605.31	0.97		670.98	605.3	0.98		5	-0.01	0.0							
18	Duck Ck	DuckCk	264		665.71	605.31	0.79		671.3	605.3	0.8		6	-0.01	0.0	18	37	5	0.04	-0.01	0.2	0.0
15	Deep	JSLakeGeorg	124902		114.79	687.36	0.47		115.83	687.36	0.48		1	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.76	687.29	0.76		201.78	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.33	687.23	0.65		153.45	687.24	0.65		0	0.01	0.0							
15	Deep	JSLakeGeorg	123542		152.88	687.19	0.71		152.44	687.2	0.71		0	0.01	0.0							
15	Deep	JSLakeGeorg	123075		124.64	687.15	0.55		124.73	687.15	0.55		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.12	687.14	0.09		53.24	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.97	687.14	0.08		43.83	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.98	687.13	0.1		43.97	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.06	687.13	0.11		44.97	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.21	687.13	0.17		45.15	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.39	687.13	0.17		40.49	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.5	687.12	0.17		40.4	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.25	687.11	0.6		248.25	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.28	687.08	1.04		248.23	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	120543		165.62	687.09	0.58		165.57	687.09	0.58		0	0	0.0					
15	Deep	JSLakeGeorg	120117		165.53	687.04	0.73		165.48	687.04	0.73		0	0	0.0					
15	Deep	JSLakeGeorg	119813		166.33	687.01	0.57		166.3	687.01	0.57		0	0	0.0					
15	Deep	JSLakeGeorg	119448		230.21	686.93	0.95		229.43	686.93	0.95		-1	0	0.0					
15	Deep	JSLakeGeorg	119071		263.17	686.81	1.11		263.45	686.81	1.11		0	0	0.0					
15	Deep	JSLakeGeorg	118751		262.93	686.71	1.13		263.3	686.71	1.13		0	0	0.0					
15	Deep	JSLakeGeorg	118584		262.56	686.64	1.21		262.55	686.64	1.21		0	0	0.0					
15	Deep	JSLakeGeorg	118525		262.81	686.62	1.19		262.18	686.62	1.19		-1	0	0.0					
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	118358		269.55	686.57	1.08		269.81	686.57	1.08		0	0	0.0					
15	Deep	JSLakeGeorg	117980		270	686.47	1.03		269.62	686.47	1.03		0	0	0.0					
15	Deep	JSLakeGeorg	117631		268.77	686.35	1.15		267.69	686.35	1.15		-1	0	0.0					
15	Deep	JSLakeGeorg	117334		266.03	686.26	0.99		266.03	686.26	0.99		0	0	0.0					
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		260.54	686.14	1.2		0	0	0.0					
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	116736		253.3	686.04	1.12		252.88	686.04	1.12		0	0	0.0					
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	116585		246.84	685.95	1.36		246.67	685.95	1.35		0	0	0.0					
15	Deep	JSLakeGeorg	116289		232.81	685.83	1.01		232.28	685.83	1.01		-1	0	0.0					
15	Deep	JSLakeGeorg	115998		220.85	685.74	1.07		222.26	685.74	1.08		1	0	0.0					
15	Deep	JSLakeGeorg	115832		218.18	685.71	0.89		218.03	685.71	0.89		0	0	0.0					
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	115754		218.34	685.71	0.77		218.03	685.71	0.77		0	0	0.0					
15	Deep	JSLakeGeorg	115310		212.9	685.66	0.81		212.32	685.66	0.81		-1	0	0.0					
15	Deep	JSLakeGeorg	114871		279.53	685.57	0.95		279.43	685.57	0.95		0	0	0.0					
15	Deep	JSLakeGeorg	114397		277.19	685.47	1		277.8	685.47	1		1	0	0.0					
15	Deep	JSLakeGeorg	113918		328.96	685.23	1.47		328.77	685.23	1.47		0	0	0.0					
15	Deep	JSLakeGeorg	113720		331.99	685.14	1.35		332.25	685.14	1.35		0	0	0.0					
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	113536		332.18	685.1	1.28		332.25	685.1	1.28		0	0	0.0					
15	Deep	JSLakeGeorg	113233		338.53	684.98	1.92		338.59	684.98	1.92		0	0	0.0					
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	113059		338.75	684.94	1.46		338.59	684.94	1.46		0	0	0.0					
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	112472		353.56	684.83	1.44		353.49	684.83	1.44		0	0	0.0					
15	Deep	JSLakeGeorg	111932		366.95	684.6	1.49		366.79	684.6	1.49		0	0	0.0					
15	Deep	JSLakeGeorg	111538		376.14	684.37	1.48		375.66	684.37	1.48		0	0	0.0					
15	Deep	JSLakeGeorg	111058		387.11	684.02	1.58		387.55	684.02	1.58		0	0	0.0					
15	Deep	JSLakeGeorg	110793		394.44	683.88	1.05		394.78	683.88	1.05		0	0	0.0					
15	Deep	JSLakeGeorg	110465		404.49	683.71	1.47		404.41	683.71	1.47		0	0	0.0					
15	Deep	JSLakeGeorg	110181		413.37	683.58	1.58		412.83	683.58	1.58		-1	0	0.0					
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	110130		413.16	683.58	1.4		412.98	683.58	1.4		0	0	0.0					
15	Deep	JSLakeGeorg	110128		412.96	683.58	1.41		412.86	683.58	1.41		0	0	0.0					
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	110040		413.23	683.57	1.24		412.86	683.57	1.24		0	0	0.0					
15	Deep	JSLakeGeorg	109523		429.26	683.42	1.34		428.72	683.42	1.34		-1	0	0.0					
15	Deep	JSLakeGeorg	109022		444.09	683.24	1.22		443.99	683.24	1.22		0	0	0.0					
15	Deep	JSLakeGeorg	108612		457.21	683.03	1.61		457.19	683.03	1.61		0	0	0.0					
15	Deep	JSLakeGeorg	108112		473.08	682.77	1.38		473.15	682.77	1.38		0	0	0.0					
15	Deep	JSLakeGeorg	107495		492.92	682.54	1.38		492.75	682.54	1.37		0	0	0.0					
15	Deep	JSLakeGeorg	107156		503.53	682.42	1.36		503.54	682.42	1.36		0	0	0.0					
15	Deep	JSLakeGeorg	106585		503.67	682.3	0.91		503.59	682.3	0.91		0	0	0.0					
15	Deep	JSLakeGeorg	106334		503.47	682.22	1.27		503.5	682.22	1.27		0	0	0.0					
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	105956		503.59	682.09	1.28		503.54	682.09	1.28		0	0	0.0					
15	Deep	JSLakeGeorg	105573		503.44	681.91	1.59		503.56	681.91	1.59		0	0	0.0					
15	Deep	JSLakeGeorg	105254		561.18	681.84	0.88		561.08	681.84	0.88		0	0	0.0					
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0					
15	Deep	JSLakeGeorg	105085		560.79	681.63	0.99		561.21	681.63	0.99		0	0	0.0					
15	Deep	JSLakeGeorg	104691		560.96	681.58	1.16		561.06	681.58	1.16		0	0	0.0					
15	Deep	JSLakeGeorg	104222		560.77	681.46	1.28		560.61	681.46	1.28		0	0	0.0					
15	Deep	JSLakeGeorg	104061		560.3	681.42	1.39		560.56	681.42	1.39		0	0	0.0					
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	103945		560.56	680.91	1.36		560.56	680.91	1.36		0	0	0.0					
15	Deep	JSLakeGeorg	103528		560.15	680.78	1.54		560.05	680.78	1.54		0	0	0.0					
15	Deep	JSLakeGeorg	103234		559.57	680.69	1.21		559.55	680.69	1.21		0	0	0.0					
15	Deep	JSLakeGeorg	102805		644.35	680.51	1.65		644.27	680.51	1.65		0	0	0.0					
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.34	680.28	2.03		0	0	0.0					
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0					
15	Deep	JSLakeGeorg	102028		644.65	679.44	1.79		644.41	679.44	1.79		0	0	0.0					
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0					
15	Deep	JSLakeGeorg	101538		644.07	679.05	2.2		644.42	679.05	2.2		0	0	0.0					
15	Deep	JSLakeGeorg	100981		643.16	678.5	1.95		642.78	678.5	1.95		0	0	0.0					
15	Deep	JSLakeGeorg	100383		359.78	678.32	0.79		358.88	678.32	0.78		-1	0	0.0					
15	Deep	JSLakeGeorg	99713		355.17	678.24	0.85		355.02	678.24	0.85		0	0	0.0					
15	Deep	JSLakeGeorg	99064		411.84	678.16	0.93		411.55	678.16	0.93		0	0	0.0					
15	Deep	JSLakeGeorg	98521		315.74	678.12	0.64		315.38	678.12	0.64		0	0	0.0					
15	Deep	JSLakeGeorg	97818		917.11	677.96	1.87		917.12	677.96	1.87		0	0	0.0	15	1	-1	0.01	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0					
14	Deep	JSLakeGeorg	97432		917.52	677.53	1.88		917.5	677.53	1.88		0	0	0.0					
14	Deep	JSLakeGeorg	96861		917.41	677.47	0.91		917.28	677.47	0.91		0	0	0.0					
14	Deep	JSLakeGeorg	96112		1063.92	677.21	1.53		1063.92	677.21	1.53		0	0	0.0					
14	Deep	JSLakeGeorg	95541		1059.05	676.7	2.46		1058.92	676.7	2.46		0	0	0.0					
14	Deep	JSLakeGeorg	95034		943.1	676.3	1.9		941.35	676.3	1.89		-2	0	0.0					
14	Deep	JSLakeGeorg	94436		914.36	675.88	2.16		915.04	675.88	2.16		1	0	0.0					
14	Deep	JSLakeGeorg	93802		877.37	675.55	1.71		878.06	675.55	1.71		1	0	0.0					
14	Deep	JSLakeGeorg	93297		868.85	675.38	1.26		868.38	675.38	1.26		0	0	0.0					
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0					
14	Deep	JSLakeGeorg	92606		1130.83	675.17	1.37		1130.82	675.17	1.37		0	0	0.0					
14	Deep	JSLakeGeorg	91967		1130.9	675.04	1.34		1130.99	675.04	1.34		0	0	0.0					
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0					
14	Deep	JSLakeGeorg	91814		1131.11	674.92	1.96		1130.81	674.92	1.96		0	0	0.0					
14	Deep	JSLakeGeorg	91400		1135.08	674.67	2.15		1135.15	674.67	2.15		0	0	0.0					
14	Deep	JSLakeGeorg	90843		1141.04	674.47	0.81		1140.87	674.47	0.81		0	0	0.0					
14	Deep	JSLakeGeorg	90268		1147.05	674.24	1.86		1147.23	674.24	1.86		0	0	0.0					
14	Deep	JSLakeGeorg	89708		1152.99	673.92	1.98		1153.07	673.92	1.98		0	0	0.0					
14	Deep	JSLakeGeorg	89139		1159.16	673.73	1.4		1159.35	673.73	1.4		0	0	0.0					
14	Deep	JSLakeGeorg	88645		1164.31	673.51	1.74		1164.29	673.51	1.74		0	0	0.0					
14	Deep	JSLakeGeorg	88132		1169.51	673.19	2.15		1169.72	673.19	2.15		0	0	0.0					
14	Deep	JSLakeGeorg	87170		1179.73	672.56	2.05		1179.51	672.56	2.05		0	0	0.0					
14	Deep	JSLakeGeorg	86814		1183.27	672.29	2.3		1183.26	672.29	2.3		0	0	0.0					
14	Deep	JSLakeGeorg	86497		1187.07	672.16	1.27		1187.22	672.16	1.27		0	0	0.0					
14	Deep	JSLakeGeorg	86248		1189.72	671.99	2.15		1189.71	671.99	2.15		0	0	0.0					
14	Deep	JSLakeGeorg	85858		1193.81	671.66	2.23		1193.64	671.66	2.23		0	0	0.0					
14	Deep	JSLakeGeorg	85406		1198.25	671.33	2.19		1198.16	671.33	2.19		0	0	0.0					

14	Deep	JSLakeGeorg	84957		1202.56	670.93	2.57		1202.55	670.93	2.57		0	0	0.0							
14	Deep	JSLakeGeorg	84375		1208.14	670.3	3		1208.21	670.3	3		0	0	0.0							
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	84262		1208.32	670.19	3.16		1208.2	670.19	3.16		0	0	0.0							
14	Deep	JSLakeGeorg	83723		1213.73	669.85	1.84		1213.86	669.85	1.84		0	0	0.0							
14	Deep	JSLakeGeorg	83093		1220.07	669.47	1.73		1220.32	669.47	1.73		0	0	0.0							
14	Deep	JSLakeGeorg	82750		1223.88	669.28	1.85		1223.86	669.28	1.85		0	0	0.0							
14	Deep	JSLakeGeorg	82364		1227.46	669.04	2.03		1227.81	669.04	2.03		0	0	0.0							
14	Deep	JSLakeGeorg	81844		1232.92	668.84	1		1232.84	668.84	1		0	0	0.0							
14	Deep	JSLakeGeorg	81294		1238.48	668.73	0.97		1238.45	668.73	0.97		0	0	0.0							
14	Deep	JSLakeGeorg	80717		1244.73	668.43	2.09		1244.82	668.43	2.09		0	0	0.0							
14	Deep	JSLakeGeorg	80186		1250.43	668.03	2.33		1250.14	668.03	2.33		0	0	0.0							
14	Deep	JSLakeGeorg	79604		1256.32	667.68	2.06		1256.14	667.68	2.06		0	0	0.0							
14	Deep	JSLakeGeorg	79148		1260.43	667.42	1.93		1260.2	667.42	1.93		0	0	0.0							
14	Deep	JSLakeGeorg	78803		1259.77	667.15	2.47		1259.69	667.15	2.47		0	0	0.0							
14	Deep	JSLakeGeorg	78407		1257.74	666.87	2.22		1257.83	666.87	2.22		0	0	0.0	14	1	-2	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	78285		1256.71	666.7	2.7		1256.43	666.7	2.69		0	0	0.0							
13	Deep	JSLakeGeorg	77848		1253.86	666.44	2.12		1253.3	666.44	2.12		-1	0	0.0							
13	Deep	JSLakeGeorg	77566		1250.02	666.25	1.96		1249.03	666.25	1.96		-1	0	0.0							
13	Deep	JSLakeGeorg	77073		1436.84	665.89	2.03		1436.75	665.89	2.03		0	0	0.0							
13	Deep	JSLakeGeorg	76478		1436.62	665.58	1.69		1436.54	665.58	1.69		0	0	0.0							
13	Deep	JSLakeGeorg	76044		1440.1	665.45	1.36		1440.08	665.45	1.36		0	0	0.0							
13	Deep	JSLakeGeorg	75777		1442.35	665.35	1.64		1442.42	665.35	1.64		0	0	0.0							
13	Deep	JSLakeGeorg	75408		1445.34	665.22	1.44		1445.35	665.22	1.44		0	0	0.0							
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	75316		1445.33	665.16	1.42		1445.54	665.16	1.42		0	0	0.0							
13	Deep	JSLakeGeorg	74938		1449.01	664.88	2.42		1449.24	664.88	2.42		0	0	0.0							
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.39	664.6	2.42		0	0	0.0							
13	Deep	JSLakeGeorg	74229		1434.92	664.37	1.72		1435	664.37	1.72		0	0	0.0							
13	Deep	JSLakeGeorg	73723		1434.41	663.89	2.84		1434.46	663.89	2.84		0	0	0.0							
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0							
13	Deep	JSLakeGeorg	73616		1331.59	663.83	2.5		1331.27	663.83	2.5		0	0	0.0							
13	Deep	JSLakeGeorg	73500		1326.73	663.76	2.34		1326.72	663.76	2.34		0	0	0.0							
13	Deep	JSLakeGeorg	72900		1516.72	663.16	2.1		1516.61	663.16	2.1		0	0	0.0							
13	Deep	JSLakeGeorg	72028		1516.68	662.28	2.53		1516.48	662.28	2.53		0	0	0.0							
13	Deep	JSLakeGeorg	71320		1516.35	661.73	1.46		1516.51	661.73	1.46		0	0	0.0							
13	Deep	JSLakeGeorg	71053		1516.58	661.62	2.25		1516.49	661.62	2.25		0	0	0.0							
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	70937		1516.43	661.38	3.21		1516.62	661.38	3.21		0	0	0.0							
13	Deep	JSLakeGeorg	70139		1516.03	660.86	1.97		1516.12	660.86	1.97		0	0	0.0							
13	Deep	JSLakeGeorg	69435		1515.86	660.28	0.95		1515.65	660.28	0.95		0	0	0.0							
13	Deep	JSLakeGeorg	68193		1513.92	659.83	1.55		1514.19	659.83	1.55		0	0	0.0							
13	Deep	JSLakeGeorg	66864		1740.55	659.03	1.81		1740.8	659.03	1.81		0	0	0.0							
13	Deep	JSLakeGeorg	66388		1751.33	658.65	1.7		1751.19	658.65	1.7		0	0	0.0							
13	Deep	JSLakeGeorg	65488		1768.35	657.5	2.69		1768.21	657.5	2.69		0	0	0.0							
13	Deep	JSLakeGeorg	64654		1782.81	656.2	2.21		1782.71	656.2	2.21		0	0	0.0							
13	Deep	JSLakeGeorg	63857		1799.25	655.26	1.78		1799.28	655.26	1.78		0	0	0.0							
13	Deep	JSLakeGeorg	63247		1811.34	654.81	1.59		1811.07	654.81	1.59		0	0	0.0							
13	Deep	JSLakeGeorg	62532		1824.5	654.54	0.65		1824.4	654.54	0.65		0	0	0.0							
13	Deep	JSLakeGeorg	62169		1833.49	654.35	3.23		1833.59	654.35	3.23		0	0	0.0							
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	62050		1833.84	654.31	3.2		1833.75	654.31	3.2		0	0	0.0							
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.47	654.04	1.91		0	0	0.0							
13	Deep	JSLakeGeorg	61270		1850.35	653.64	1.97		1850.24	653.64	1.97		0	0	0.0							
13	Deep	JSLakeGeorg	61156		1853.54	653.47	1.88		1853.59	653.47	1.88		0	0	0.0							
13	Deep	JSLakeGeorg	60978		1859.06	653.25	1.52		1858.91	653.25	1.52		0	0	0.0							
13	Deep	JSLakeGeorg	60509		1870.12	652.75	2.02		1870.11	652.75	2.02		0	0	0.0							
13	Deep	JSLakeGeorg	59758		1882.58	651.82	2.43		1882.75	651.82	2.43		0	0	0.0							
13	Deep	JSLakeGeorg	58574		1899.01	650.7	1.92		1899.01	650.7	1.92		0	0	0.0							
13	Deep	JSLakeGeorg	57350		1918.42	649.76	2.04		1918.47	649.76	2.04		0	0	0.0							
13	Deep	JSLakeGeorg	56397		1935.83	648.74	2.2		1936.03	648.74	2.2		0	0	0.0							
13	Deep	JSLakeGeorg	55724		1950.37	648.02	1.68		1950.46	648.02	1.68		0	0	0.0							
13	Deep	JSLakeGeorg	54755		1966.58	647.32	1.87		1966.36	647.32	1.87		0	0	0.0							
13	Deep	JSLakeGeorg	53123		1988.13	646.51	1.51		1988.01	646.51	1.51		0	0	0.0							
13	Deep	JSLakeGeorg	52077		2007.42	646.08	1.37		2007.4	646.08	1.37		0	0	0.0							
13	Deep	JSLakeGeorg	51203		2023.9	645.49	2.18		2023.92	645.49	2.18		0	0	0.0							
13	Deep	JSLakeGeorg	50734		2021.64	645.02	2.05		2021.59	645.02	2.05		0	0	0.0							
13	Deep	JSLakeGeorg	50234		2307.04	644.53	2.58		2306.83	644.53	2.58		0	0	0.0							
13	Deep	JSLakeGeorg	49556		2306.73	643.78	2.12		2306.63	643.78	2.12		0	0	0.0							
13	Deep	JSLakeGeorg	48301		2306.18	642.98	1.76		2306.55	642.98	1.76		0	0	0.0							
13	Deep	JSLakeGeorg	47270		2306.29	642.25	2.2		2306.17	642.25	2.2		0	0	0.0							
13	Deep	JSLakeGeorg	46606		2306.09	641.69	3.42		2306.01	641.69	3.42		0	0	0.0	13	0	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	46376		2305.87	641.2	3.33		2306.01	641.2	3.33		0	0	0.0							
12	Deep	JSLakeGeorg	45906		2305.94	640.92	2.11		2305.88	640.92	2.11		0	0	0.0							
12	Deep	JSLakeGeorg	45247		2313.8	639.84	2.9		2313.78	639.84	2.9		0	0	0.0							
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.79	638.7	3.02		0	0	0.0							
12	Deep	JSLakeGeorg	44232		2325.24	637.66	3.2		2325.08	637.66	3.2		0	0	0.0							
12	Deep	JSLakeGeorg	43908		2329.98	637	3.76		2330.08	637	3.76		0	0	0.0							
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	43837		2329.73	636.63	5.07		2329.88	636.63	5.07		0	0	0.0							
12	Deep	JSLakeGeorg	43461		2334.32	636.09	5.08		2334.56	636.09	5.09		0	0	0.0							
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	43390		2334.85	636.08	4.73		2334.65	636.08	4.73		0	0	0.0							
12	Deep	JSLakeGeorg	43242		2335.65	635.82	3.65		2335.92	635.82	3.65		0	0	0.0							
12	Deep	JSLakeGeorg	43046		2337.42	635.29	3.07		2337.28	635.29	3.07		0	0	0.0							
12	Deep	JSLakeGeorg	43012		2338.64	635.12	4.42		2338.32	635.12	4.42		0	0	0.0							
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	42973		2338.87	635.12	3.42		2338.52	635.12	3.42		0	0	0.0							
12	Deep	JSLakeGeorg	42477		2340.97	634.79	2.45		2341.48	634.79	2.45		1	0	0.0							
12	Deep	JSLakeGeorg	41418		2351.52	634.04	0.56		2351.56	634.04	0.56		0	0	0.0							
12	Deep	JSLakeGeorg	39881		2362.67	633.36	2.16		2362.2	633.36	2.16		0	0	0.0							
12	Deep	JSLakeGeorg	39554		2366.81	633.04	1.62		2367.23	633.04	1.62		0	0	0.0							
12	Deep	JSLakeGeorg	38999		2371.85	632.77	1.67		2371.73	632.77	1.67		0	0	0.0							
12	Deep	JSLakeGeorg	38116		2379.44	632.39	1.57		2379.19	632.39	1.57		0	0	0.0							
12	Deep	JSLakeGeorg	37703		2384.8	632.03	4.29		2384.47	632.03	4.29		0	0	0.0							
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0							
12	Deep	JSLakeGeorg	37554		2384.27	629.91	4.81		2383.74	629.91	4.81		-1	0	0.0							
12	Deep	JSLakeGeorg	36999		2391.12	629.33	2.2		2390.63	629.33	2.2		0	0	0.0							
12	Deep	JSLakeGeorg	36181		2399.5	628.19	2.31		2399.12	628.19	2.31		0	0	0.0							
12	Deep	JSLakeGeorg	35034		2406.95	627.21	2.07		2407.01	627.21	2.07		0	0	0.0							
12	Deep	JSLakeGeorg	34012		2414.9	626.27	2.17		2415.07	626.27	2.17		0	0	0.0							
12	Deep	JSLakeGeorg	33338		2421.95	625.71	1.52		2421.54	625.71	1.52		0	0	0.0							
12	Deep	JSLakeGeorg	32345		2429.09	625.16	2.88		2429.07	625.16	2.88		0	0	0.0							
12	Deep	JSLakeGeorg	31526		2438.72	624.62	3.12		2438.64	624.62	3.12		0	0	0.0							
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0							

12	Deep	USLakeGeorg	31444		2438.63	624.18	4.62		2438.17	624.18	4.62		0	0	0.0						
12	Deep	USLakeGeorg	30859		2444.67	623.78	1.85		2444.89	623.78	1.85		0	0	0.0						
12	Deep	USLakeGeorg	30141		2451.98	623.29	1.41		2452.28	623.29	1.41		0	0	0.0						
12	Deep	USLakeGeorg	28772		2464.34	622.22	1.84		2464.61	622.22	1.84		0	0	0.0						
12	Deep	USLakeGeorg	27969		2471.72	621.45	1.72		2471.54	621.45	1.73		0	0	0.0						
12	Deep	USLakeGeorg	26706		2478.1	620.78	1.73		2478.7	620.78	1.73		1	0	0.0						
12	Deep	USLakeGeorg	25820		2483.58	620.3	1.61		2483.5	620.29	1.61		0	-0.01	0.0						
12	Deep	USLakeGeorg	24753		2490.4	619.7	1.79		2491.23	619.69	1.79		1	-0.01	0.0						
12	Deep	USLakeGeorg	24277		2494.64	619.37	1.56		2494.8	619.36	1.56		0	-0.01	0.0						
12	Deep	USLakeGeorg	23302		2502.89	618.89	1.36		2504.14	618.87	1.37		1	-0.02	0.0						
12	Deep	USLakeGeorg	22507		2510.48	618.56	1.37		2511.14	618.54	1.37		1	-0.02	0.0						
12	Deep	USLakeGeorg	21518		2518.26	618.09	1.86		2519.05	618.06	1.88		1	-0.03	0.0						
12	Deep	USLakeGeorg	20795		2524.78	617.62	1.51		2526.74	617.58	1.52		2	-0.04	0.0						
12	Deep	USLakeGeorg	20086		2532.31	617.28	1.61		2533.86	617.23	1.62		2	-0.05	0.0						
12	Deep	USLakeGeorg	19928		2533.96	617.21	1.54		2535.36	617.17	1.56		1	-0.04	0.0						
12	Deep	USLakeGeorg	19407		2538.86	616.99	3.49		2541.09	616.94	3.52		2	-0.05	0.0	12	2	-1	0.00	-0.05	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0						
11	Deep	USLakeGeorg	19273		2540.3	616.97	3.07		2541.42	616.92	3.09		1	-0.05	0.0						
11	Deep	USLakeGeorg	18982		2543.99	616.88	1.61		2545.97	616.82	1.62		2	-0.06	0.0						
11	Deep	USLakeGeorg	18179		2550.73	616.43	1.96		2553.39	616.36	1.99		3	-0.07	0.0						
11	Deep	USLakeGeorg	16616		2561.57	615.44	2.06		2564.45	615.3	2.12		3	-0.14	0.1						
11	Deep	USLakeGeorg	16067		2561.49	615.05	1.29		2563.66	614.89	1.33		2	-0.16	0.0						
11	Deep	USLakeGeorg	15127		2560.91	614.79	1.18		2563.32	614.6	1.22		2	-0.19	0.0						
11	Deep	USLakeGeorg	14039		2561	614.48	1.27		2562.88	614.26	1.32		2	-0.22	0.1						
11	Deep	USLakeGeorg	12507		2561.33	614.08	1.39		2563.56	613.81	1.46		2	-0.27	0.1						
11	Deep	USLakeGeorg	11631		2850.66	613.9	0.72		2853.6	613.6	0.76		3	-0.3	0.0						
11	Deep	USLakeGeorg	10855		2850.29	613.75	1.05		2854.67	613.43	1.11		4	-0.32	0.1						
11	Deep	USLakeGeorg	9782		2850.04	613.47	2.87		2854.15	613.11	2.99		4	-0.36	0.1	11	4	1	-0.05	-0.36	0.1	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	9630		2850.04	613.26	2.83		2853.63	612.89	2.97		4	-0.37	0.1						
10	Deep	USLakeGeorg	9188		2850.25	613.18	1.46		2853.3	612.8	1.55		3	-0.38	0.1						
10	Deep	USLakeGeorg	8897		2849.49	613.11	0.81		2853.43	612.72	0.86		4	-0.39	0.0						
10	Deep	USLakeGeorg	8295		2850.49	612.98	1.66		2853.02	612.57	1.76		3	-0.41	0.1						
10	Deep	USLakeGeorg	8102		2886.72	612.88	1		2890.42	612.44	1.07		4	-0.44	0.1						
10	Deep	USLakeGeorg	7054		2887.31	612.57	1.92		2890.05	612.07	2.08		3	-0.5	0.2						
10	Deep	USLakeGeorg	6756		2886.75	612.37	1.41		2890.16	611.81	1.53		3	-0.56	0.1						
10	Deep	USLakeGeorg	6208		2886.93	612.09	1.76		2890.06	611.45	1.94		3	-0.64	0.2						
10	Deep	USLakeGeorg	5892		2886.79	611.97	1.73		2890.29	611.28	1.96		4	-0.69	0.2						
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	5782		2887.38	611.88	2.03		2890.5	611.19	2.22		3	-0.69	0.2						
10	Deep	USLakeGeorg	5461		2886.67	611.83	1.11		2889.53	611.12	1.24		3	-0.71	0.1						
10	Deep	USLakeGeorg	5071		2887.09	611.76	0.87		2889.91	611.02	0.97		3	-0.74	0.1						
10	Deep	USLakeGeorg	4635		2886.31	611.7	1.39		2889.12	610.94	1.57		3	-0.76	0.2						
10	Deep	USLakeGeorg	3552		2885.42	611.57	0.92		2890.28	610.75	1.04		5	-0.82	0.1						
10	Deep	USLakeGeorg	2936		2886.32	611.49	1.03		2889.62	610.65	1.16		3	-0.84	0.1						
10	Deep	USLakeGeorg	1907		2882.89	611.38	1.52		2887.83	610.49	1.73		5	-0.89	0.2						
10	Deep	USLakeGeorg	1253		2883.21	611.23	1.3		2887.76	610.27	1.47		5	-0.96	0.2						
10	Deep	USLakeGeorg	620		2880.81	611.15	1.69		2887.03	610.15	1.91		6	-1	0.2	10	6	3	0.00	-1.00	0.2	0.0
9	Deep	USDuck	75919.1		5039.01	611.03	2.17		5028.76	609.98	2.42		-10	-1.05	0.3						
9	Deep	USDuck	75919		5039.19	611.03	2.17		5029.41	609.98	2.42		-10	-1.05	0.3						
9	Deep	USDuck	74577		5044.4	610.97	0.59		5031.9	609.9	0.65		-13	-1.07	0.1						
9	Deep	USDuck	73646		5047.21	610.96	0.5		5034.85	609.89	0.55		-12	-1.07	0.1						
9	Deep	USDuck	73085		5050.26	610.96	0.55		5040.33	609.88	0.59		-10	-1.08	0.0						
9	Deep	USDuck	72588		5052.92	610.95	0.79		5043.22	609.87	0.86		-10	-1.08	0.1						
9	Deep	USDuck	72272		5054.77	610.89	1.98		5041.54	609.8	2.15		-13	-1.09	0.2	9	-10	-13	-1.05	-1.09	0.3	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0						
8	Deep	USDuck	72091		5051.06	610.07	3.41		5026.62	608.72	3.84		-24	-1.35	0.4						
8	Deep	USDuck	71748		5054.02	610.12	0.94		5028.29	608.78	1.05		-26	-1.34	0.1						
8	Deep	USDuck	71471		5055.99	610.12	0.83		5030.95	608.77	0.92		-25	-1.35	0.1						
8	Deep	USDuck	70800		5059.34	610.11	0.76		5033.56	608.76	0.85		-26	-1.35	0.1						
8	Deep	USDuck	70081		5063.25	610.09	0.92		5036.69	608.73	1.04		-27	-1.36	0.1						
8	Deep	USDuck	69112		5067.38	610.07	1		5043.22	608.7	1.11		-24	-1.37	0.1						
8	Deep	USDuck	68349		5071.68	610.07	0.63		5046.09	608.69	0.73		-26	-1.38	0.1						
8	Deep	USDuck	68057		5072.31	610.04	1.66		5047.42	608.64	2		-25	-1.4	0.3						
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0						
8	Deep	USDuck	67862		5073.96	610.02	1.01		5047.48	608.62	1.16		-26	-1.4	0.2						
8	Deep	USDuck	67287		5076.95	610.02	0.57		5049.8	608.62	0.64		-27	-1.4	0.1						
8	Deep	USDuck	66449		5081.12	610.01	0.83		5053.77	608.61	0.93		-27	-1.4	0.1						
8	Deep	USDuck	65658		5085.34	610.01	0.6		5057.54	608.6	0.67		-28	-1.41	0.1						
8	Deep	USDuck	64951		5089.01	610	0.6		5060.7	608.6	0.66		-28	-1.4	0.1						
8	Deep	USDuck	64403		5091.25	609.98	1.11		5063.08	608.57	1.25		-28	-1.41	0.1						
8	Deep	USDuck	64140		5092.77	609.79	4.01		5064.42	608.32	4.48		-28	-1.47	0.5						
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0						
8	Deep	USDuck	63973		5092.78	608.91	3.38		5064.25	607.04	3.93		-29	-1.87	0.6						
8	Deep	USDuck	63867		5092.85	609	2.06		5064.86	607.15	2.39		-28	-1.85	0.3						
8	Deep	USDuck	63747		5093.49	608.99	1.98		5065.11	607.15	2.3		-28	-1.84	0.3						
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0						
8	Deep	USDuck	63518		5093.95	608.73	2.09		5065.29	606.78	2.46		-29	-1.95	0.4						
8	Deep	USDuck	63249		5095.35	608.77	0.84		5066.65	606.82	0.96		-29	-1.95	0.1						
8	Deep	USDuck	62725		5095.54	608.77	0.4		5066.67	606.83	0.46		-29	-1.94	0.1						
8	Deep	USDuck	62349		5095.3	608.77	0.41		5066.51	606.83	0.49		-29	-1.94	0.1	8	-24	-29	0.00	-1.95	0.6	0.0
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0						
7	Deep	USDuck	62095		5093.01	605.76	2.15		5065.82	605.77	1.14		-27	0.01	-1.0						
7	Deep	USDuck	61997		5092.62	605.79	1.26		5066.36	605.78	0.87		-26	-0.01	-0.4						
7	Deep	USDuck	61825		5092.12	605.73	2.21		5065.29	605.72	2.2		-27	-0.01	0.0						
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0						
7	Deep	USDuck	61668		5091.62	605.18	3.78		5065.7	605.17	3.76		-26	-0.01	0.0						
7	Deep	USDuck	61549		5091.73	605.25	2.77		5065.3	605.24	2.76		-26	-0.01	0.0						
7	Deep	DSDuck	961329		5759.13	605.22	2.6		5737.37	605.2	2.59		-22	-0.02	0.0						
7	Deep	DSDuck	961230		5756.97	605.22	2.43		5736.82	605.21	2.43		-20	-0.01	0.0	7	-20	-27	0.01	-0.02	0.0	-1.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0						
6	Deep	DSDuck	960993		5757.88	605.08	2.24		5736.68	605.07	2.23		-21	-0.01	0.0						
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0						
6	Deep	DSDuck	960895		5757.83	605.09	1.99		5736.58	605.08	1.99		-21	-0.01	0.0						
6	Deep	DSDuck	960679		5757.47	605.06	1.89		5736.07	605.05	1.89		-21	-0.01	0.0						
6	Deep	DSDuck	960529		5728.05	605.02	2.17		5706.84	605.01	2.17		-21	-0.01	0.0						
6	Deep	DSDuck	959872		4649.33	604.93	1.73		4634.96	604.92	1.73		-14	-0.01	0.0						
6	Deep	DSDuck	959178		5755.03	604.83	1.86		5734.8	604.82	1.86		-20	-0.01	0.0						
6	Deep	DSDuck	958649		5753.72	604.73	1.98		5734.82	604.72	1.97		-19	-0.01	0.0						
6	Deep	DSDuck	957989		5753.48	604.65	1.58		5734.35	604.64	1.57		-19	-0.01	0.0						
6	Deep	DSDuck	957262		5753	604.53	2.01		5733.85	604.52	2.01		-19	-0.01	0.0						
6	Deep	DSDuck	956509		5752.32	604.37	2.79		5733.87	604.36	2.78		-18	-0.01	0.0	6	-14	-21	0.00	-0.01	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0						
5	Deep	DSDuck	956282		5749.89	603.84	3.05		5732.86	603.84	3.04		-17	0	0.0						
5	Deep	DSDuck	956184		5749.28	603.85	2.65		5732.82	603.85	2.64		-16	0	0.0						
5	Deep	DSDuck	956039		5749.92	603.86	2.09		5732.77	603.86	2.09		-17	0	0.0						
5	Deep	DSDuck	955916		5749.47	603.85	1.87		5733.02	603.85	1.87		-16	0	0.0						

5	Deep	DSDuck	955614		5749.54	603.82	1.84		5732.88	603.82	1.84		-17	0	0.0							
5	Deep	DSDuck	954784		5747.43	603.7	2.11		5732.25	603.7	2.11		-15	0	0.0							
5	Deep	DSDuck	954658		5782.93	603.46	4.64		5768.65	603.46	4.63		-14	0	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5780.49	603.22	3.38		5767.81	603.22	3.37		-13	0	0.0							
5	Deep	DSDuck	954427		5779.52	603.22	3.38		5766.74	603.22	3.37		-13	0	0.0							
5	Deep	DSDuck	954107		5826.35	603.23	2.18		5814.26	603.23	2.18		-12	0	0.0							
5	Deep	DSDuck	953696		5824.3	603.11	2.64		5812.65	603.12	2.63		-12	0.01	0.0							
5	Deep	DSDuck	953203		5822.48	603.06	2.04		5812.03	603.06	2.03		-10	0	0.0							
5	Deep	DSDuck	952132		5819.75	602.89	2.43		5811.4	602.9	2.43		-8	0.01	0.0							
5	Deep	DSDuck	951884		5819.03	602.81	2.56		5809.19	602.81	2.55		-10	0	0.0							
5	Deep	DSDuck	951566		5817.25	602.73	2.57		5809.22	602.73	2.57		-8	0	0.0							
5	Deep	DSDuck	950991		5815.54	602.61	2.84		5809.04	602.61	2.84		-7	0	0.0							
5	Deep	DSDuck	950682		5814.35	602.57	2.27		5807.7	602.57	2.27		-7	0	0.0							
5	Deep	DSDuck	949909		5812.06	602.41	2.42		5807.22	602.42	2.41		-5	0.01	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5587.31	602.34	2.09		5584.98	602.34	2.09		-2	0	0.0							
5	Deep	DSDuck	949168		5600.05	602.33	1.91		5595.98	602.33	1.91		-4	0	0.0							
5	Deep	DSDuck	948729		5810.15	602.25	2.27		5803.98	602.25	2.27		-6	0	0.0	5	-2	-17	0.01	0.00	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5806.49	601.97	1.74		5803.61	601.97	1.74		-3	0	0.0							
4	Deep	DSDuck	948480		5805.46	601.97	1.74		5804.37	601.97	1.74		-1	0	0.0							
4	Deep	DSDuck	948428		6012.44	601.97	1.51		6012.33	601.98	1.51		0	0.01	0.0							
4	Deep	DSDuck	948174		6011.33	601.94	1.77		6013.66	601.94	1.77		2	0	0.0							
4	Deep	DSDuck	947566		6008.83	601.85	1.67		6012.07	601.85	1.67		3	0	0.0							
4	Deep	DSDuck	946997		6005.92	601.66	2.46		6008.55	601.67	2.46		3	0.01	0.0							
4	Deep	DSDuck	946167		6003.88	601.58	1.34		6005.91	601.59	1.34		2	0.01	0.0							
4	Deep	DSDuck	945248		6003.98	601.53	1.58		6006.18	601.53	1.58		2	0	0.0							
4	Deep	DSDuck	944337		6001.8	601.46	1.51		6005.02	601.47	1.51		3	0.01	0.0							
4	Deep	DSDuck	942778		5996.81	601.09	3.69		6001.79	601.1	3.68		5	0.01	0.0							
4	Deep	DSDuck	942375		5995.89	600.97	3.49		6000.31	600.98	3.49		4	0.01	0.0							
4	Deep	DSDuck	942129		5996.3	600.89	3.53		5998.33	600.9	3.53		2	0.01	0.0							
4	Deep	DSDuck	941984		5991.48	600.72	4.43		5996.26	600.73	4.42		5	0.01	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		5992.82	600.71	3.27		5998.2	600.72	3.27		5	0.01	0.0							
4	Deep	DSDuck	941433		5987.05	600.4	4.13		5991.52	600.41	4.12		4	0.01	0.0							
4	Deep	DSDuck	940705		5985.78	600.13	3.16		5987.42	600.15	3.15		2	0.02	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5974.87	599.83	4.06		5976.34	599.84	4.05		1	0.01	0.0							
4	Deep	DSDuck	940382		5978.05	599.86	1.84		5980.25	599.87	1.83		2	0.01	0.0							
4	Deep	DSDuck	939456		5976.51	599.76	1.86		5975.97	599.78	1.86		-1	0.02	0.0							
4	Deep	DSDuck	938026		5971.99	599.66	1.94		5940.08	599.68	1.93		-32	0.02	0.0							
4	Deep	DSDuck	937064		5963.76	599.29	3.51		5915.88	599.31	3.47		-48	0.02	0.0							
4	Deep	DSDuck	936422		5961.94	599.18	2.92		5909.21	599.2	2.89		-53	0.02	0.0							
4	Deep	DSDuck	935423		5955.88	598.98	2.89		5883.47	599.01	2.84		-72	0.03	-0.1							
4	Deep	DSDuck	934734		6041.27	598.88	2.69		5955.98	598.92	2.64		-85	0.04	0.0							
4	Deep	DSDuck	934223		6034.21	598.81	2.56		5955.64	598.85	2.51		-79	0.04	-0.1							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6036.69	598.29	2.78		5945.8	598.33	2.72		-91	0.04	-0.1							
4	Deep	DSDuck	933391		5956.75	598.22	2.57		5935.18	598.26	2.55		-22	0.04	0.0							
4	Deep	DSDuck	932574		5919.21	597.98	3.05		5894.25	598.03	3.03		-25	0.05	0.0							
4	Deep	DSDuck	931721		5875.43	597.79	2.9		5834.37	597.84	2.87		-41	0.05	0.0							
4	Deep	DSDuck	931117		5857.93	597.74	2.34		5821.26	597.8	2.3		-37	0.06	0.0							
4	Deep	DSDuck	930406		5849.82	597.68	2.25		5785.88	597.74	2.21		-64	0.06	0.0							
4	Deep	DSDuck	929978		5826.55	597.63	2.21		5768.74	597.69	2.17		-58	0.06	0.0							
4	Deep	DSDuck	929807		5812.45	597.58	2.6		5741.69	597.64	2.55		-71	0.06	-0.1	4	5	-91	0.06	0.00	0.0	-0.1
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5799.8	597.4	2.76		5729.59	597.46	2.71		-70	0.06	0.0							
3	Deep	DSDuck	929174		5789.47	597.38	2.17		5729.53	597.45	2.12		-60	0.07	0.0							
3	Deep	DSDuck	928469		5748.45	597.29	2.42		5694.16	597.36	2.37		-54	0.07	0.0							
3	Deep	DSDuck	927523		5670.23	597.13	2.94		5645.87	597.21	2.89		-24	0.08	0.0							
3	Deep	DSDuck	926814		5656.48	597.08	2.44		5626.48	597.16	2.4		-30	0.08	0.0							
3	Deep	DSDuck	926669		5622.41	597.04	2.63		5609.06	597.13	2.59		-13	0.09	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5637.28	597.05	1.92		5604.3	597.13	1.89		-33	0.08	0.0							
3	Deep	DSDuck	925793		5567.38	596.94	2.57		5571.67	597.03	2.54		4	0.09	0.0							
3	Deep	DSDuck	925300		5540	596.89	2.46		5531.72	596.98	2.42		-8	0.09	0.0							
3	Deep	DSDuck	925073		5511.55	596.86	2.17		5508.32	596.95	2.15		-3	0.09	0.0							
3	Deep	DSDuck	924833		5469.29	596.78	2.92		5483.4	596.87	2.9		14	0.09	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5421.33	596	3.27		5459.99	596.09	3.26		39	0.09	0.0							
3	Deep	DSDuck	924342		5350.58	595.94	3.01		5427.54	596.03	3.01		77	0.09	0.0							
3	Deep	DSDuck	924002		5298.27	595.87	2.82		5383.68	595.98	2.81		85	0.11	0.0							
3	Deep	DSDuck	923827		5284.85	595.84	2.86		5368.34	595.94	2.87		83	0.1	0.0							
3	Deep	DSDuck	923771		5243.74	595.79	3.4		5353.46	595.9	3.43		110	0.11	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5232.26	595.74	2.3		5347.58	595.85	2.34		115	0.11	0.0							
3	Deep	DSDuck	923653		5213.93	595.71	2.37		5345.69	595.82	2.41		132	0.11	0.0							
3	Deep	DSDuck	923529		5201.37	595.65	3.21		5320.02	595.76	3.25		119	0.11	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5193.29	595.66	2.73		5315.06	595.77	2.76		122	0.11	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5202.32	595.64	2.72		5318.74	595.76	2.75		116	0.12	0.0							
3	Deep	DSDuck	923408		5179.32	595.62	3.17		5308.34	595.74	3.22		129	0.12	0.1							
3	Deep	DSDuck	923308		5169.47	595.61	2.84		5284	595.73	2.87		115	0.12	0.0							
3	Deep	DSDuck	923080		5156.25	595.62	2.38		5256.32	595.74	2.41		100	0.12	0.0							
3	Deep	DSDuck	922636		5138.85	595.56	2.76		5227.83	595.69	2.74		89	0.13	0.0							
3	Deep	DSDuck	922169		5099.95	595.51	2.65		5193.2	595.64	2.65		93	0.13	0.0							
3	Deep	DSDuck	921587		5180.39	595.39	2.95		5305.87	595.51	2.99		125	0.12	0.0							
3	Deep	DSDuck	921501		5132.33	595.25	4.01		5257.76	595.37	4.07		125	0.12	0.1							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5086.76	595.11	3.65		5211.02	595.23	3.7		124	0.12	0.1							
3	Deep	DSDuck	921039.1		5086.75	595.11	3.65		5207.13	595.23	3.7		120	0.12	0.1							
3	Deep	DSDuck	921039		5081.89	595.11	3.64		5211.61	595.23	3.7		130	0.12	0.1	3	132	-70	0.13	0.00	0.1	0.0
1	Burns	Burns	920939		5266.18	595.11	3.91		5423.73	595.23	3.99		158	0.12	0.1							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5251.12	594.99	4.15		5406.32	595.1	4.24		155	0.11	0.1							
1	Burns	Burns	920468		5250	594.96	3.97		5399.98	595.08	4.05		150	0.12	0.1							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5089.88	594.95	3.51		5211.39	595.07	3.57		122	0.12	0.1							
1	Burns	Burns	919872		5119.01	594.89	3.42		5231.95	595.01	3.46		113	0.12	0.0							
1	Burns	Burns	919832		5199.01	594.88	3.39		5320.9	595	3.44		122	0.12	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5176.55	594.68	3.89		5292.05	594.8	3.94		116	0.12	0.0							
1	Burns	Burns	919588		5171.39	594.68	3.82		5290.95	594.8	3.87		120	0.12	0.1							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5185.23	594.75	2.85		5307.03	594.87	2.89		122	0.12	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919340		4947.3	594.73	2.92		5060.71	594.85	2.97		113	0.12	0.1							
1	Burns	Burns	919021		4062.08	594.79	2.1		4148.7	594.91	2.13		87	0.12	0.0							
1	Burns	Burns	918058		2249.89	594.81	1.32		2291.92	594.93	1.34		42	0.12	0.0							
1	Burns	Burns	917449		1616.7	594.81	0.99		1653.88	594.93	1		37	0.12	0.0							
1	Burns	Burns	916752		1818.86	594.79	1.11		1761.53	594.92	1.06		-57	0.13	-0.1							
1	Burns	Burns	916647		1869.73	594.78	1.26		1798.19	594.91	1.2		-72	0.13	-0.1							
1	Burns	Burns	916591		Bridge				Bridge					0	0.0							
1	Burns	Burns	916504		1870.09	594.77	1.24		1798.09	594.89	1.18		-72	0.12	-0.1							
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916384		1870.96	594.76	1.19		1792.26	594.89	1.13		-79	0.13	-0.1							
1	Burns	Burns	915170		1170.33	594.76	0.79		1075.49	594.89	0.72		-95	0.13	-0.1							
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	913799		1074.67	594.75	0.72		952.64	594.88	0.64		-122	0.13	-0.1							
1	Burns	Burns	912165		1355.92	594.72	0.8		1171.71	594.87	0.69		-184	0.15	-0.1							
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	911500		2134.48	594.68	1.32		1847.35	594.83	1.13		-287	0.15	-0.2							
1	Burns	Burns	909818		3230.61	594.53	1.91		3071.54	594.69	1.8		-159	0.16	-0.1							
1	Burns	Burns	907147		5050.49	594.09	2.9		5166.11	594.24	2.94		116	0.15	0.0							
1	Burns	Burns	905522		5060.51	593.84	2.82		5209.19	593.99	2.87		149	0.15	0.1							
1	Burns	Burns	905438		Bridge				Bridge					0	0.0							
1	Burns	Burns	905364		5055.87	593.8	2.83		5180.09	593.95	2.86		124	0.15	0.0							
1	Burns	Burns	904862		5050.14	593.7	3.05		5169.54	593.85	3.03		119	0.15	0.0							
1	Burns	Burns	904213		5008.89	593.62	2.79		5165.05	593.77	2.81		156	0.15	0.0							
1	Burns	Burns	903765		4999.31	593.54	2.86		5123.54	593.69	2.89		124	0.15	0.0							
1	Burns	Burns	903487		4999.47	593.51	2.73		5120.49	593.66	2.75		121	0.15	0.0							
1	Burns	Burns	903304		Bridge				Bridge					0	0.0							
1	Burns	Burns	903222		4987.87	593.37	3.02		5107.77	593.52	3.06		120	0.15	0.0							
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	902545		4919.37	593.28	2.83		5103.05	593.43	2.9		184	0.15	0.1							
1	Burns	Burns	902215		4823.33	593.25	2.81		4929.05	593.39	2.84		106	0.14	0.0							
1	Burns	Burns	901966		4821.23	593.21	2.89		4929.13	593.35	2.92		108	0.14	0.0							
1	Burns	Burns	901643		4926.54	593.22	2.32		5041.09	593.36	2.35		115	0.14	0.0							
1	Burns	Burns	901478		Bridge				Bridge					0	0.0							
1	Burns	Burns	901218		4885.8	593.07	2.41		5000.9	593.21	2.44		115	0.14	0.0							
1	Burns	Burns	900573		4841.4	592.96	2.92		4955.28	593.1	2.96		114	0.14	0.0							
1	Burns	Burns	900081		4837.45	592.91	2.82		4951.21	593.05	2.86		114	0.14	0.0							
1	Burns	Burns	18866		4837.08	592.91	2.73		4952.02	593.04	2.76		115	0.13	0.0							
1	Burns	Burns	18616		4834.53	592.77	3.62		4947.12	592.9	3.67		113	0.13	0.0							
1	Burns	Burns	18571		Bridge				Bridge					0	0.0							
1	Burns	Burns	18530		4834.87	592.81	3.03		4949.9	592.94	3.08		115	0.13	0.1							
1	Burns	Burns	18529		4834.77	592.81	3.03		4948.09	592.94	3.08		113	0.13	0.1							
1	Burns	Burns	18452		Bridge				Bridge					0	0.0							
1	Burns	Burns	18365		4834.53	591.47	2.83		4948.72	591.59	2.87		114	0.12	0.0							
1	Burns	Burns	18249		4835.23	591.46	2.68		4949.57	591.58	2.72		114	0.12	0.0							
1	Burns	Burns	18079		5097.58	591.36	3.26		5211.73	591.48	3.29		114	0.12	0.0							
1	Burns	Burns	18078		5097.56	591.36	3.26		5211.92	591.48	3.29		114	0.12	0.0							
1	Burns	Burns	18017		Bridge				Bridge					0	0.0							
1	Burns	Burns	17972		5026.93	591.17	3.68		5139.68	591.28	3.73		113	0.11	0.0							
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	17309		5022.72	591.11	2.85		5136.09	591.22	2.89		113	0.11	0.0							
1	Burns	Burns	16898		4976.5	591.05	2.75		5091.64	591.16	2.79		115	0.11	0.0							
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	15741		4929.44	590.82	3.1		5045.78	590.93	3.15		116	0.11	0.0							
1	Burns	Burns	13924		4951.24	590.53	2.89		5065.28	590.63	2.94		114	0.1	0.0							
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	13011		4991.81	590.4	2.75		5107.04	590.5	2.8		115	0.1	0.0							
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	12071		4989.14	590.26	2.85		5105.33	590.35	2.9		116	0.09	0.0							
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	10554		4985.65	590.1	2.25		5095.87	590.19	2.28		110	0.09	0.0							
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	9194		5013.74	589.95	2.34		5130.51	590.04	2.38		117	0.09	0.0							
1	Burns	Burns	7751		5012.67	589.81	2.29		5121.52	589.89	2.33		109	0.08	0.0							
1	Burns	Burns	7232		5003.28	589.76	2.21		5117.21	589.84	2.25		114	0.08	0.0							
1	Burns	Burns	5385		4992.89	589.56	2.29		5047.16	589.64	2.3		54	0.08	0.0							
1	Burns	Burns	4161		4915.22	589.4	2.58		5031.49	589.47	2.63		116	0.07	0.0							
1	Burns	Burns	3756		14041.66	588.66	4.59		14164.8	588.73	4.61		123	0.07	0.0							
1	Burns	Burns	3276		14041.59	588.42	5.05		14164.95	588.49	5.07		123	0.07	0.0							
1	Burns	Burns	2944		14122.39	588.18	5.6		14245.75	588.25	5.62		123	0.07	0.0							
1	Burns	Burns	2144		14122.39	588.27	2.1		14245.66	588.34	2.11		123	0.07	0.0							
1	Burns	Burns	1865		Bridge				Bridge					0	0.0							
1	Burns	Burns	1794		14122.38	587.12	6.12		14245.82	587.18	6.15		123	0.06	0.0							
1	Burns	Burns	1793		14122.38	587.12	6.11		14245.69	587.19	6.15		123	0.07	0.0							
1	Burns	Burns	1758		Bridge				Bridge					0	0.0							
1	Burns	Burns	1700		14122.41	586.56	7.29		14245.69	586.62	7.33		123	0.06	0.0							
1	Burns	Burns	1699		14122.38	586.56	7.28		14245.95	586.62	7.31		124	0.06	0.0							
1	Burns	Burns	1634		Bridge				Bridge					0	0.0							
1	Burns	Burns	1579		14122.46	586.98	4.9		14245.81	587.04	4.92		123	0.06	0.0							
1	Burns	Burns	1518		14122.31	586.95	4.85		14245.47	587.01	4.88		123	0.06	0.0							
1	Burns	Burns	784		14122.35	586.64	4.83		14245.39	586.7	4.84		123	0.06	0.0							
1	Burns	Burns	682		14122.25	586.5	5.36		14245.2	586.56	5.38		123	0.06	0.0							
1	Burns	Burns	588		Bridge				Bridge					0	0.0							
1	Burns	Burns	532.1		14122.24	584.63	9.08		14245.39	584.67	9.13		123	0.04	0.1							
1	Burns	Burns	532		14122.29	584.91	8.03		14245.59	584.95	8.08		123	0.04	0.1							
1	Burns	Burns	100		14122.28	585.03	5.38		14245.61	585.08	5.41		123	0.05	0.0							
1	Burns	Burns	1		14122.21	582.93	5.97		14245.5	582.95	6.01		123	0.02	0.0							
1	Burns	Burns	0		476.6	581.1	0.03		476.44	581.1	0.03		0	0	0.0	1	184	-287	0.16	0.00	0.1	-0.2

Proposed Project: increase Lake George Outlet
Project Description: approximately double width of outlet weir
Project Location: Lake George outlet structure
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	+0.2	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	+0.1	30	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	+0.1	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	negligible	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	up to -2.0	negligible	up to 0.6 fps increase		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	up to - 1.1	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	up to -1.0	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	up to -0.4	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	up to - 0.8	up to 7% increase	up to 0.8 fps increase		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	up to 5%	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	up to + 0.2	up to 7%	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 12: PROJECT IMPACT SPREADSHEET FOR LAKE GEORGE SPILLWAY PLUS RIDGE ROAD EXPANSION

paste model output results here - make sure same order and cross sections					EX100y96hARF				George outlet & increase Ridge				double Lake George outlet length & increase Ridge Rd opening project - existing								
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl						
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.38	622.63	1.5		903.96	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		902.09	622.35	3.61		902.03	622.35	3.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072.44	622.15	2.98		1071.94	622.15	2.98		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1070.12	621.84	2.32		1069.88	621.84	2.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1067.53	621.57	1.93		1067.98	621.57	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1066.47	621.41	2.36		1066.28	621.41	2.36		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1064.03	621.1	3.31		1063.71	621.09	3.31		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062.12	620.82	2.78		1062.01	620.82	2.78		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1061.74	620.8	1.61		1061.98	620.8	1.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1061.83	620.78	1.28		1062.27	620.78	1.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1062.15	620.77	0.92		1062.12	620.77	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1061.75	620.76	0.4		1061.9	620.76	0.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1377.83	620.75	0.55		1377.89	620.75	0.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1377.78	620.71	1.79		1378.05	620.71	1.79		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1377.4	620.59	3.1		1377.32	620.59	3.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1370.18	619.75	4.29		1369.52	619.75	4.29		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1370.62	619.79	3.97		1370.19	619.79	3.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1372.29	619.87	3.09		1372.36	619.87	3.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.29	619.93	1.67		1372.56	619.93	1.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1372.64	619.94	1.1		1372.84	619.94	1.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372.23	619.94	1.03		1372.97	619.94	1.03		1	0	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.23	619.93	1.02		1372.52	619.92	1.02		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372.33	619.92	1.01		1372.18	619.92	1.01		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784.39	619.91	0.92		1785.64	619.91	0.92		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.23	619.9	0.89		1784.79	619.9	0.89		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.8	619.89	0.93		1785.79	619.89	0.93		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1784.94	619.88	0.94		1785.74	619.88	0.94		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.19	619.87	0.95		1785.48	619.87	0.95		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.09	619.86	1.16		1785.15	619.85	1.16		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1783.84	619.85	1.25		1785.01	619.85	1.25		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.15	619.83	1.43		1784.7	619.83	1.44		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784.31	619.83	1.5		1785.05	619.82	1.5		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1784	619.82	1.46		1783.05	619.82	1.46		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.19	619.8	1.54		1784.83	619.8	1.54		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1783.65	619.79	1.35		1784.65	619.79	1.35		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783.45	619.78	1.55		1783.64	619.78	1.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.22	619.76	1.54		1784.77	619.76	1.54		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1783.57	619.77	1.18		1784.5	619.76	1.18		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1783.73	619.76	1.06		1784.66	619.76	1.06		1	0	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.46	619.75	1.17		1784.47	619.75	1.17		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784.31	619.75	1.13		1784.22	619.75	1.13		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784.06	619.74	0.99		1784.42	619.74	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.87	619.74	1.14		1783.95	619.74	1.14		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.87	619.71	1.48		1784.88	619.71	1.48		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1784.05	619.7	1.74		1783.47	619.7	1.74		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1783.83	619.67	1.69		1784.05	619.67	1.69		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1783.1	619.66	1.63		1783.96	619.66	1.63		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1783.59	619.66	1.03		1783.98	619.66	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1783.8	619.66	0.58		1783.79	619.66	0.58		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.13	619.65	0.56		1784.41	619.65	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.31	619.65	0.71		1784.23	619.65	0.71		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.71	619.64	1.04		1784.4	619.64	1.05		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.1	619.64	0.77		1784.36	619.64	0.77		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1783.9	619.64	0.72		1783.97	619.63	0.72		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.89	619.63	0.56		1783.82	619.63	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.22	619.62	1.03		1783.85	619.62	1.03		1	0	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1783.81	619.61	1.15		1783.98	619.61	1.15		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1783.53	619.61	0.71		1784.02	619.61	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.47	619.61	0.97		1783.6	619.61	0.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783.36	619.59	1.44		1784.18	619.59	1.44		1	0	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.36	619.59	1.33		1784.42	619.59	1.33		1	0	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783.47	619.58	1.45		1783.92	619.57	1.45		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1783.81	619.55	1.26		1783.91	619.55	1.26		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783.39	619.55	1.21		1784.23	619.54	1.21		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	23314		1783.58	619.5	1.72		1784.12	619.5	1.72		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783.41	619.47	1.4		1783.93	619.46	1.4		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783.38	619.45	1.85		1783.87	619.45	1.85		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.42	619.41	2.09		1783.85	619.41	2.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783.47	619.41	1.86		1783.8	619.41	1.87		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22731		1783.53	619.43	1.16		1783.75	619.42	1.16		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783.46	619.42	1.3		1783.74	619.42	1.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.4	619.41	1.22		1784.04	619.41	1.22		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1783.73	619.39	1.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783.42	619.33	2.45		1783.82	619.33	2.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.65	618.88	3.03		1783.96	618.88	3.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.48	618.86	3.41		1784.03	618.86	3.41		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.48	618.91	2.52		1784.06	618.91	2.53		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.54	618.94	1.94		1784.02	618.94	1.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.43	618.95	1.47		1784.06	618.95	1.47		1	0	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.49	618.92	1.86		1783.87	618.92	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.56	618.77	3.49		1783.78	618.77	3.49		0	0	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.56	618.58	3.98		1783.94	618.58	3.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.5	618.68	2.19		1783.78	618.68	2.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1783.84	618.65	1.19		1	0	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.36	618.63	0.99		1783.9	618.62	0.99		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.63	618.58	1.24		2193.92	618.58	1.25		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.5	618.52	1.93		2193.82	618.52	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.59	618.45	2.1		2194	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.4	618.36	2.29		2193.92	618.36	2.29		1	0	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.49	618.28	1.81		2193.83	618.28	1.81		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.4	618.2	2.67		2193.92	618.2	2.67		1	0	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2193.92	617.94	4.33		1	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.39	617.92	3.04		2193.9	617.92	3.05		1	0	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.37	617.26	6.71		2193.89	617.26	6.71		1	0	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.89	616.2	8.11		2193.84	616.19	8.13		1	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	18578		2193.01	616.31	6.22		2193.85	616.3	6.23		1	-0.01	0.0	17	1	-1	0.00	-0.01	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2193.02	615.43	5.41		2193.88	615.42	5.43		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.8	615.07	6.57		2193.85	615.06	6.59		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.8	614.84	5.71		2193.8	614.82	5.73		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	18032		2192.3	614.91	3.45		2193.76	614.9	3.47		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.99	614.82	2.9		2193.69	614.8	2.92		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.56	614.73	3.22		2193.67	614.71	3.24		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.54	614.65	2.35		2193.57	614.63	2.37		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.51	614.62	2.17		2193.8	614.59	2.18		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	16917		2191.7	614.59	1.23		2193.74	614.57	1.23		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	16494		2191.53	614.55	1.33		2193.55	614.52	1.34		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	16288		2191.18	614.51	1.57		2193.67	614.49	1.59		2	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	15975		2191.04	614.47	1.54		2193.76	614.44	1.55		3	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15724		2191.29	614.4	2.08		2193.43	614.37	2.09		2	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15587		2394.58	614.35	1.94		2407.92	614.33	1.96		13	-0.02	0.0							
16	TurkeyCreek	TurkeyCk	15472		2391.83	614.28	2.84		2407.6	614.25	2.88		16	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15271		2392.25	614.25	1.78		2407.24	614.22	1.81		15	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15130		2391.51	614.24	1.54		2407.12	614.21	1.57		16	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14901		2390.94	614.22	1.32		2406.55	614.18	1.33		16	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14694		2389.53	614.19	1.44		2406.31	614.16	1.46		17	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14500		2389.59	614.17	1.36		2406.34	614.14	1.38		17	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14254		2388.55	614.16	0.9		2406.03	614.12	0.91		17	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14081		2388.21	614.15	0.94		2406.73	614.11	0.95		19	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13909		2387.14	614.13	1.07		2406.37	614.1	1.09		19	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	13580		2384	614.07	2.13		2405.91	614.03	2.17		22	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13356		2381.75	614	2.14		2405.65	613.96	2.17		24	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	13150		2369.18	613.81	3.78		2404.25	613.76	3.87		35	-0.05	0.1							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2328.87	613.52	4.16		2399.77	613.44	4.33		71	-0.08	0.2							
16	TurkeyCreek	TurkeyCk	12967		2336	613.55	3.69		2400.51	613.48	3.83		65	-0.07	0.1							
16	TurkeyCreek	TurkeyCk	12836		2333.69	613.53	2.84		2400.34	613.46	2.96		67	-0.07	0.1							
16	TurkeyCreek	TurkeyCk	12718		2330.54	613.52	2.13		2399.81	613.44	2.23		69	-0.08	0.1							
16	TurkeyCreek	TurkeyCk	12536		2327.01	613.5	1.65		2399.62	613.42	1.72		73	-0.08	0.1							
16	TurkeyCreek	TurkeyCk	12244		2321.65	613.45	1.79		2399.5	613.36	1.88		78	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11927		2312.77	613.38	2.03		2398.43	613.29	2.14		86	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11687		2309.59	613.34	1.6		2397.95	613.25	1.7		88	-0.09	0.1							
16	TurkeyCreek	TurkeyCk	11449		2304.93	613.3	1.48		2397.04	613.2	1.57		92	-0.1	0.1							
16	TurkeyCreek	TurkeyCk	11232		2287.24	613.18	2.98		2393.75	613.05	3.18		107	-0.13	0.2							
16	TurkeyCreek	TurkeyCk	11119		2269.41	613	3.77		2389.59	612.85	4.07		120	-0.15	0.3							
16	TurkeyCreek	TurkeyCk	11013		2234.27	612.74	5.04		2378.02	612.52	5.56		144	-0.22	0.5							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2182.43	612.42	5.64		2339.51	612.1	6.36		157	-0.32	0.7							
16	TurkeyCreek	TurkeyCk	10905		2162.05	612.33	5.7		2324.3	611.98	6.44		162	-0.35	0.7							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2153.87	612.3	4.08		2298.27	611.89	4.65		144	-0.41	0.6							
16	TurkeyCreek	TurkeyCk	10552		2103.24	611.99	5.28		2204.41	611.43	6.1		101	-0.56	0.8							
16	TurkeyCreek	TurkeyCk	10251		2099.77	611.92	1.17		2182.55	611.3	1.33		83	-0.62	0.2							
16	TurkeyCreek	TurkeyCk	9979		2095.15	611.89	1.32		2176.3	611.25	1.51		81	-0.64	0.2							
16	TurkeyCreek	TurkeyCk	9783		2093.83	611.89	1.01		2170.95	611.24	1.2		77	-0.65	0.2							
16	TurkeyCreek	TurkeyCk	9526		2082.42	611.83	1.92		2150.59	611.16	2.23		68	-0.67	0.3							
16	TurkeyCreek	TurkeyCk	9168		2073.51	611.75	1.96		2135.05	611.04	2.3		62	-0.71	0.3							
16	TurkeyCreek	TurkeyCk	8838		2073.87	611.72	0.97		2126.2	610.99	1.15		52	-0.73	0.2							
16	TurkeyCreek	TurkeyCk	8503		2069.16	611.7	1.16		2120.78	610.96	1.35		52	-0.74	0.2							
16	TurkeyCreek	TurkeyCk	8221		2070.59	611.69	1.02		2116.88	610.94	1.2		46	-0.75	0.2							
16	TurkeyCreek	TurkeyCk	8013		2070.86	611.68	0.8		2115.94	610.93	0.96		45	-0.75	0.2							
16	TurkeyCreek	TurkeyCk	7673		2069.25	611.67	1.05		2110.93	610.91	1.23		42	-0.76	0.2							
16	TurkeyCreek	TurkeyCk	7223		2063.24	611.64	1.41		2105.98	610.86	1.61		43	-0.78	0.2							
16	TurkeyCreek	TurkeyCk	6947		2062.19	611.6	1.76		2098.11	610.8	2.05		36	-0.8	0.3							
16	TurkeyCreek	TurkeyCk	6829		2057.68	611.59	1.69		2097.47	610.79	1.97		40	-0.8	0.3							
16	TurkeyCreek	TurkeyCk	6686		2050.8	611.5	2.6		2079.92	610.67	2.96		29	-0.83	0.4	16	162	1	0.00	-0.83	0.8	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2046.25	611.48	2.03		2078.39	610.63	2.37		32	-0.85	0.3							
9	TurkeyCreek	TurkeyCk	6407		2050.16	611.46	1.43		2069.34	610.6	1.66		19	-0.86	0.2							
9	TurkeyCreek	TurkeyCk	6204		2041.33	611.41	2.01		2060.98	610.51	2.35		20	-0.9	0.3							
9	TurkeyCreek	TurkeyCk	5151		2021.8	611.22	0.68		2028.2	610.22	0.81		6	-1	0.1							
9	TurkeyCreek	TurkeyCk	2193		2014.66	611.14	0.51		2014.44	610.1	0.59		0	-1.04	0.1							
9	TurkeyCreek	TurkeyCk	500		2154.98	611.12	0.29		2154.56	610.07	0.31		0	-1.05	0.0							
9	TurkeyCreek	TurkeyCk	50		2155.22	611.12	0.39		2152.98	610.07	0.42		-2	-1.05	0.0	9	32	-2	-0.85	-1.05	0.3	0.0
2	LCal	LCal	2575		153.96	595.19	0.06		143.85	595.31	0.06		-10	0.12	0.0							
2	LCal	LCal	2359		152.17	595.19	0.05		146.87	595.31	0.04		-5	0.12	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.96	595.19	0.05		145.11	595.3	0.04		-9	0.11	0.0							
2	LCal	LCal	2172		152.27	595.19	0.05		144.24	595.3	0.04		-8	0.11	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.16	595.15	0.09		113.74	595.27	0.09		-2	0.12	0.0							
2	LCal	LCal	1559		115.79	595.15	0.1		113.95	595.27	0.09		-2	0.12	0.0							
2	LCal	LCal	1414		116.6	595.15	0.15		114.15	595.27	0.14		-2	0.12	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		103.3	595.12	0.09		94.24	595.24	0.08		-9	0.12	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		149.16	595.12	0.17		163.18	595.24	0.18		14	0.12	0.0							
2	LCal	LCal	173		179.45	595.11	0.23		216.33	595.23	0.28		37	0.12	0.1	2	37	-10	0.12	0.00	0.1	0.0
21	Duck Ck	DuckCk	20671		428.88	616.21	1.74		428.89	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.87	616.04	1.97		428.84	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.89	615.82	2.37		428.87	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.88	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.86	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.84	615.12	1.81		428.85	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.86	614.9	2		428.84	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.74	614.07	2.04		428.79	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.75	613.87	1.73		428.75	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.45	613.22	2.37		428.45	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.95	612.74	1.96		427.89	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		427.1	612.26	1.91		427	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.6	612.12	1.37		426.6	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.29	611.94	1.51		426.25	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		425.86	611.82	1.43		425.87	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.72	611.74	1.01		425.79	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.44	611.62	1.92		425.27	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.85	611.21	2.51		423.77	611.21	2.5		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.28	611.09	1.98		422.97	611.1	1.98		0	0.01	0.0							
21	Duck Ck	DuckCk	15534		422.04	610.86	1.98		422.03	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.33	610.72	1.29		421.28	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		420.77	610.62	1.32		420.62	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.67	610.58	0.84		420.5	610.58	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14584		420.6	610.54	0.85		420.4	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.31	610.51	0.85		419.91	610.51	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14091		420.2	610.41	1.56		419.68	610.42	1.55		-1	0.01	0.0	21	0	-1	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.55	610	1.62		418.79	610	1.61		-1	0	0.0							
20	Duck Ck	DuckCk	13704		419.02	609.87	1.44		418.25	609.88	1.44		-1	0.01	0.0							
20	Duck Ck	DuckCk	13464		418.41	609.77	1.27		417.75	609.78	1.26		-1	0.01	0.0							
20	Duck Ck	DuckCk	13279		418.19	609.73	0.78		417.56	609.74	0.78		-1	0.01	0.0							
20	Duck Ck	DuckCk	12964		581.93	609.68	1.04		579.89	609.69	1.04		-2	0.01	0.0							
20	Duck Ck	DuckCk	12613		580.69	609.61	1.05		578.29	609.62	1.04		-2	0.01	0.0							
20	Duck Ck	DuckCk	12306		583.34	609.57	0.78		581	609.58	0.77		-2	0.01	0.0							
20	Duck Ck	DuckCk	11932		587.1	609.52	0.9		584.18	609.53	0.89		-3	0.01	0.0							
20	Duck Ck	DuckCk	11876		587.47	609.5	1.15		584.57	609.52	1.14		-3	0.02	0.0							
20	Duck Ck	DuckCk	11801		587.96	609.5	0.86		585.19	609.51	0.85		-3	0.01	0.0							
20	Duck Ck	DuckCk	11485		590.63	609.47	0.8		587.55	609.48	0.79		-3	0.01	0.0							
20	Duck Ck	DuckCk	10998		595.56	609.41	0.95		592.45	609.43	0.94		-3	0.02	0.0							
20	Duck Ck	DuckCk	10813		597.07	609.4	0.72		593.73	609.41	0.71		-3	0.01	0.0							
20	Duck Ck	DuckCk	10553		599.39	609.38	0.77		596.09	609.39	0.76		-3	0.01	0.0							
20	Duck Ck	DuckCk	10293		601.52	609.36	0.84		597.47	609.37	0.84		-4	0.01	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		601.83	609.34	0.68		598.14	609.35	0.67		-4	0.01	0.0							
20	Duck Ck	DuckCk	9854		606.13	609.31	0.77		601.83	609.32	0.77		-4	0.01	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		605.86	609.29	0.79		-4	0.01	0.0							
20	Duck Ck	DuckCk	9287		612.43	609.27	0.56		608.08	609.29	0.56		-4	0.02	0.0							
20	Duck Ck	DuckCk	9053		614.58	609.26	0.7		610.6	609.27	0.7		-4	0.01	0.0							
20	Duck Ck	DuckCk	8833		617.05	609.25	0.62		612.82	609.26	0.61		-4	0.01	0.0							
20	Duck Ck	DuckCk	8619		820.47	609.22	1.03		813.83	609.24	1.02		-7	0.02	0.0							
20	Duck Ck	DuckCk	8373		823.32	609.2	0.55		814.67	609.22	0.54		-9	0.02	0.0							
20	Duck Ck	DuckCk	8099		826.08	609.2	0.36		818.51	609.21	0.35		-8	0.01	0.0							
20	Duck Ck	DuckCk	7623		828.65	609.19	0.43		820.47	609.21	0.43		-8	0.02	0.0							
20	Duck Ck	DuckCk	7254		832.96	609.18	0.56		824.67	609.19	0.55		-8	0.01	0.0							
20	Duck Ck	DuckCk	6856		836.61	609.17	0.46		827.38	609.18	0.45		-9	0.01	0.0							
20	Duck Ck	DuckCk	6359		841.68	609.15	0.73		833.02	609.16	0.72		-9	0.01	0.0							
20	Duck Ck	DuckCk	6163		843.47	609.14	0.6		833.87	609.16	0.59		-10	0.02	0.0							
20	Duck Ck	DuckCk	5848		848.33	609.13	0.27		837.42	609.15	0.26		-11	0.02	0.0							
20	Duck Ck	DuckCk	5638		852.04	609.13	0.37		841.88	609.15	0.36		-10	0.02	0.0							
20	Duck Ck	DuckCk	5361		854.72	609.12	0.77		843.31	609.14	0.76		-11	0.02	0.0							
20	Duck Ck	DuckCk	4639		862.05	609.1	0.43		848.28	609.12	0.42		-14	0.02	0.0							
20	Duck Ck	DuckCk	4257		866.35	609.1	0.42		851.45	609.12	0.41		-15	0.02	0.0							
20	Duck Ck	DuckCk	4109		868.43	609.09	0.35		854.3	609.11	0.34		-14	0.02	0.0							
20	Duck Ck	DuckCk	3892		869.9	609	2.63		852.92	609.03	2.58		-17	0.03	0.0	20	-1	-17	0.03	0.00	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		865.72	608.54	2.7		833.02	608.59	2.59		-33	0.05	-0.1							
19	Duck Ck	DuckCk	3668		868.14	608.57	0.77		838.45	608.62	0.74		-30	0.05	0.0							
19	Duck Ck	DuckCk	3440		870.56	608.57	0.5		837.73	608.61	0.48		-33	0.04	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		721.69	606.85	2.03		779.92	607.02	2.14		58	0.17	0.1							
19	Duck Ck	DuckCk	3342		719.57	606.75	3.38		775.86	606.91	3.6		56	0.16	0.2	19	58	-33	0.17	0.00	0.2	-0.1
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.35	606.05	4.12		712.84	606.1	4.29		31	0.05	0.2							
18	Duck Ck	DuckCk	3203		686.78	606.17	1.57		721.17	606.23	1.62		34	0.06	0.1							
18	Duck Ck	DuckCk	3126		687.25	606.16	1.03		722.15	606.22	1.06		35	0.06	0.0							
18	Duck Ck	DuckCk	2965		688.11	606.13	1.01		721.96	606.19	1.04		34	0.06	0.0							
18	Duck Ck	DuckCk	2849		688.83	606.11	0.99		720.6	606.17	1.02		32	0.06	0.0							
18	Duck Ck	DuckCk	2794		688.17	606.1	1.03		720.56	606.16	1.07		32	0.06	0.0							
18	Duck Ck	DuckCk	2687		689.3	606.09	0.88		721.39	606.15	0.91		32	0.06	0.0							
18	Duck Ck	DuckCk	2524		689.6	606.07	0.89		721.11	606.13	0.92		32	0.06	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.21	606.06	0.85		720.79	606.12	0.88		33	0.06	0.0							
18	Duck Ck	DuckCk	2183		690.38	606.04	0.92		722.55	606.09	0.94		32	0.05	0.0							
18	Duck Ck	DuckCk	2053		691.18	606.01	0.87		723.37	606.07	0.9		32	0.06	0.0							
18	Duck Ck	DuckCk	1765		691.13	605.96	1.13		722.08	606.01	1.17		31	0.05	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		667.65	605.48	0.88		681.32	605.49	0.89		14	0.01	0.0							
18	Duck Ck	DuckCk	1358		669.04	605.47	0.81		682.55	605.48	0.83		14	0.01	0.0							
18	Duck Ck	DuckCk	960		672.45	605.45	0.5		683.95	605.47	0.51		12	0.02	0.0							
18	Duck Ck	DuckCk	792		672.7	605.45	0.36		685.02	605.47	0.37		12	0.02	0.0							
18	Duck Ck	DuckCk	572		673.06	605.41	1.3		684.71	605.43	1.32		12	0.02	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		666.22	605.31	0.97		673.13	605.33	0.98		7	0.02	0.0							
18	Duck Ck	DuckCk	264		665.71	605.31	0.79		673.79	605.33	0.8		8	0.02	0.0	18	35	7	0.06	0.00	0.2	0.0
15	Deep	JSLakeGeorg	124902		114.79	687.36	0.47		115.46	687.36	0.47		1	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.76	687.29	0.76		201.68	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.33	687.23	0.65		153.3	687.24	0.65		0	0.01	0.0							
15	Deep	JSLakeGeorg	123542		152.88	687.19	0.71		152.96	687.2	0.71		0	0.01	0.0							
15	Deep	JSLakeGeorg	123075		124.64	687.15	0.55		124.25	687.15	0.54		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.12	687.14	0.09		53.3	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.97	687.14	0.08		43.9	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.98	687.13	0.1		43.96	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.06	687.13	0.11		44.89	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.21	687.13	0.17		45.12	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.39	687.13	0.17		40.45	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.5	687.12	0.17		40.41	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.25	687.11	0.6		248.23	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.28	687.08	1.04		248.1	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	120543		165.62	687.09	0.58		165.55	687.09	0.58		0	0	0.0							
15	Deep	JSLakeGeorg	120117		165.53	687.04	0.73		165.48	687.04	0.73		0	0	0.0							
15	Deep	JSLakeGeorg	119813		166.33	687.01	0.57		166.35	687.01	0.57		0	0	0.0							
15	Deep	JSLakeGeorg	119448		230.21	686.93	0.95		229.6	686.93	0.95		-1	0	0.0							
15	Deep	JSLakeGeorg	119071		263.17	686.81	1.11		263.52	686.81	1.11		0	0	0.0							
15	Deep	JSLakeGeorg	118751		262.93	686.71	1.13		263.03	686.71	1.13		0	0	0.0							
15	Deep	JSLakeGeorg	118584		262.56	686.64	1.21		262.63	686.64	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	118525		262.81	686.62	1.19		262.47	686.62	1.19		0	0	0.0							
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	118358		269.55	686.57	1.08		270.02	686.57	1.08		0	0	0.0							
15	Deep	JSLakeGeorg	117980		270	686.47	1.03		270.19	686.47	1.03		0	0	0.0							
15	Deep	JSLakeGeorg	117631		268.77	686.35	1.15		267.8	686.35	1.15		-1	0	0.0							
15	Deep	JSLakeGeorg	117334		266.03	686.26	0.99		266.04	686.26	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		260.17	686.14	1.2		0	0	0.0							
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116736		253.3	686.04	1.12		249.93	686.04	1.11		-3	0	0.0							
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116585		246.84	685.95	1.36		245.13	685.95	1.35		-2	0	0.0							
15	Deep	JSLakeGeorg	116289		232.81	685.83	1.01		232.92	685.83	1.02		0	0	0.0							
15	Deep	JSLakeGeorg	115998		220.85	685.74	1.07		219.96	685.74	1.07		-1	0	0.0							
15	Deep	JSLakeGeorg	115832		218.18	685.71	0.89		216.86	685.71	0.88		-1	0	0.0							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.34	685.71	0.77		216.89	685.71	0.77		-1	0	0.0							
15	Deep	JSLakeGeorg	115310		212.9	685.66	0.81		212.24	685.66	0.81		-1	0	0.0							
15	Deep	JSLakeGeorg	114871		279.53	685.57	0.95		279.57	685.57	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	114397		277.19	685.47	1		277.41	685.47	1		0	0	0.0							
15	Deep	JSLakeGeorg	113918		328.96	685.23	1.47		328.78	685.23	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	113720		331.99	685.14	1.35		332.8	685.14	1.35		1	0	0.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.18	685.1	1.28		332.16	685.1	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	113233		338.53	684.98	1.92		338.41	684.98	1.92		0	0	0.0							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.75	684.94	1.46		338.41	684.94	1.45		0	0	0.0							
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	112472		353.56	684.83	1.44		353.48	684.83	1.44		0	0	0.0							
15	Deep	JSLakeGeorg	111932		366.95	684.6	1.49		366.54	684.6	1.49		0	0	0.0							
15	Deep	JSLakeGeorg	111538		376.14	684.37	1.48		376.2	684.37	1.48		0	0	0.0							
15	Deep	JSLakeGeorg	111058		387.11	684.02	1.58		386.95	684.02	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110793		394.44	683.88	1.05		394.84	683.88	1.05		0	0	0.0							
15	Deep	JSLakeGeorg	110465		404.49	683.71	1.47		404.71	683.71	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	110181		413.37	683.58	1.58		412.76	683.58	1.58		-1	0	0.0							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.16	683.58	1.4		413.22	683.58	1.4		0	0	0.0							
15	Deep	JSLakeGeorg	110128		412.96	683.58	1.41		412.77	683.58	1.41		0	0	0.0							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.23	683.57	1.24		413.3	683.57	1.24		0	0	0.0							
15	Deep	JSLakeGeorg	109523		429.26	683.42	1.34		428.69	683.42	1.34		-1	0	0.0							
15	Deep	JSLakeGeorg	109022		444.09	683.24	1.22		444.46	683.24	1.22		0	0	0.0							
15	Deep	JSLakeGeorg	108612		457.21	683.03	1.61		457.16	683.03	1.61		0	0	0.0							
15	Deep	JSLakeGeorg	108112		473.08	682.77	1.38		473.01	682.77	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107495		492.92	682.54	1.38		492.79	682.54	1.37		0	0	0.0							
15	Deep	JSLakeGeorg	107156		503.53	682.42	1.36		503.64	682.42	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	106585		503.67	682.3	0.91		503.72	682.3	0.91		0	0	0.0							
15	Deep	JSLakeGeorg	106334		503.47	682.22	1.27		503.57	682.22	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	105956		503.59	682.09	1.28		503.49	682.09	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	105573		503.44	681.91	1.59		503.46	681.91	1.59		0	0	0.0							
15	Deep	JSLakeGeorg	105254		561.18	681.84	0.88		561.02	681.84	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		560.79	681.63	0.99		560.95	681.63	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	104691		560.96	681.58	1.16		560.6	681.58	1.16		0	0	0.0							
15	Deep	JSLakeGeorg	104222		560.77	681.46	1.28		560.46	681.46	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	104061		560.3	681.42	1.39		560.55	681.42	1.39		0	0	0.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		560.56	680.91	1.36		560.55	680.91	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	103528		560.15	680.78	1.54		560.02	680.78	1.54		0	0	0.0							
15	Deep	JSLakeGeorg	103234		559.57	680.69	1.21		559.49	680.69	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	102805		644.35	680.51	1.65		644.37	680.51	1.65		0	0	0.0							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.27	680.28	2.03		0	0	0.0							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.65	679.44	1.79		644.27	679.44	1.79		0	0	0.0							
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	101538		644.07	679.05	2.2		644.22	679.05	2.2		0	0	0.0							
15	Deep	JSLakeGeorg	100981		643.16	678.5	1.95		643.14	678.5	1.95		0	0	0.0							
15	Deep	JSLakeGeorg	100383		359.78	678.32	0.79		359.77	678.32	0.79		0	0	0.0							
15	Deep	JSLakeGeorg	99713		355.17	678.24	0.85		354.9	678.24	0.85		0	0	0.0							
15	Deep	JSLakeGeorg	99064		411.84	678.16	0.93		411.71	678.16	0.93		0	0	0.0							
15	Deep	JSLakeGeorg	98521		315.74	678.12	0.64		315.6	678.12	0.64		0	0	0.0							
15	Deep	JSLakeGeorg	97818		917.11	677.96	1.87		917.18	677.96	1.87		0	0	0.0	15	1	-3	0.01	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.52	677.53	1.88		917.49	677.53	1.88		0	0	0.0							
14	Deep	JSLakeGeorg	96861		917.41	677.47	0.91		917.52	677.47	0.91		0	0	0.0							
14	Deep	JSLakeGeorg	96112		1063.92	677.21	1.53		1063.91	677.21	1.53		0	0	0.0							
14	Deep	JSLakeGeorg	95541		1059.05	676.7	2.46		1058.83	676.7	2.46		0	0	0.0							
14	Deep	JSLakeGeorg	95034		943.1	676.3	1.9		941.49	676.3	1.89		-2	0	0.0							
14	Deep	JSLakeGeorg	94436		914.36	675.88	2.16		913.34	675.88	2.16		-1	0	0.0							
14	Deep	JSLakeGeorg	93802		877.37	675.55	1.71		877.75	675.55	1.71		0	0	0.0							
14	Deep	JSLakeGeorg	93297		868.85	675.38	1.26		868.02	675.38	1.26		-1	0	0.0							
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	JSLakeGeorg	92606		1130.83	675.17	1.37		1130.7	675.17	1.37		0	0	0.0							
14	Deep	JSLakeGeorg	91967		1130.9	675.04	1.34		1130.92	675.04	1.34		0	0	0.0							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.11	674.92	1.96		1130.96	674.92	1.96		0	0	0.0							
14	Deep	JSLakeGeorg	91400		1135.08	674.67	2.15		1135.06	674.67	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	90843		1141.04	674.47	0.81		1140.99	674.47	0.81		0	0	0.0							
14	Deep	JSLakeGeorg	90268		1147.05	674.24	1.86		1146.94	674.24	1.86		0	0	0.0							
14	Deep	JSLakeGeorg	89708		1152.99	673.92	1.98		1153.09	673.92	1.98		0	0	0.0							
14	Deep	JSLakeGeorg	89139		1159.16	673.73	1.4		1159.08	673.73	1.4		0	0	0.0							
14	Deep	JSLakeGeorg	88645		1164.31	673.51	1.74		1164.28	673.51	1.74		0	0	0.0							
14	Deep	JSLakeGeorg	88132		1169.51	673.19	2.15		1169.41	673.19	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	87170		1179.73	672.56	2.05		1179.7	672.56	2.05		0	0	0.0							
14	Deep	JSLakeGeorg	86814		1183.27	672.29	2.3		1183.23	672.29	2.3		0	0	0.0							
14	Deep	JSLakeGeorg	86497		1187.07	672.16	1.27		1187.25	672.16	1.27		0	0	0.0							
14	Deep	JSLakeGeorg	86248		1189.72	671.99	2.15		1189.69	671.99	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	85858		1193.81	671.66	2.23		1193.66	671.66	2.23		0	0	0.0							
14	Deep	JSLakeGeorg	85406		1198.25	671.33	2.19		1198.19	671.33	2.19		0	0	0.0							

14	Deep	JSLakeGeorg	84957		1202.56	670.93	2.57		1202.53	670.93	2.57		0	0	0.0							
14	Deep	JSLakeGeorg	84375		1208.14	670.3	3		1208.27	670.3	3		0	0	0.0							
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	84262		1208.32	670.19	3.16		1208.35	670.19	3.16		0	0	0.0							
14	Deep	JSLakeGeorg	83723		1213.73	669.85	1.84		1213.79	669.85	1.84		0	0	0.0							
14	Deep	JSLakeGeorg	83093		1220.07	669.47	1.73		1220.23	669.47	1.73		0	0	0.0							
14	Deep	JSLakeGeorg	82750		1223.88	669.28	1.85		1223.91	669.28	1.85		0	0	0.0							
14	Deep	JSLakeGeorg	82364		1227.46	669.04	2.03		1227.65	669.04	2.03		0	0	0.0							
14	Deep	JSLakeGeorg	81844		1232.92	668.84	1		1232.88	668.84	1		0	0	0.0							
14	Deep	JSLakeGeorg	81294		1238.48	668.73	0.97		1238.44	668.73	0.97		0	0	0.0							
14	Deep	JSLakeGeorg	80717		1244.73	668.43	2.09		1244.77	668.43	2.09		0	0	0.0							
14	Deep	JSLakeGeorg	80186		1250.43	668.03	2.33		1250.17	668.03	2.33		0	0	0.0							
14	Deep	JSLakeGeorg	79604		1256.32	667.68	2.06		1255.91	667.68	2.06		0	0	0.0							
14	Deep	JSLakeGeorg	79148		1260.43	667.42	1.93		1260.21	667.42	1.93		0	0	0.0							
14	Deep	JSLakeGeorg	78803		1259.77	667.15	2.47		1259.13	667.15	2.47		-1	0	0.0							
14	Deep	JSLakeGeorg	78407		1257.74	666.87	2.22		1258.13	666.87	2.22		0	0	0.0	14	0	-2	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	78285		1256.71	666.7	2.7		1256.69	666.7	2.7		0	0	0.0							
13	Deep	JSLakeGeorg	77848		1253.86	666.44	2.12		1253.45	666.44	2.12		0	0	0.0							
13	Deep	JSLakeGeorg	77566		1250.02	666.25	1.96		1248.87	666.25	1.96		-1	0	0.0							
13	Deep	JSLakeGeorg	77073		1436.84	665.89	2.03		1436.83	665.89	2.03		0	0	0.0							
13	Deep	JSLakeGeorg	76478		1436.62	665.58	1.69		1436.66	665.58	1.69		0	0	0.0							
13	Deep	JSLakeGeorg	76044		1440.1	665.45	1.36		1440.06	665.45	1.36		0	0	0.0							
13	Deep	JSLakeGeorg	75777		1442.35	665.35	1.64		1442.41	665.35	1.64		0	0	0.0							
13	Deep	JSLakeGeorg	75408		1445.34	665.22	1.44		1445.12	665.22	1.44		0	0	0.0							
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	75316		1445.33	665.16	1.42		1445.42	665.16	1.42		0	0	0.0							
13	Deep	JSLakeGeorg	74938		1449.01	664.88	2.42		1449.02	664.88	2.42		0	0	0.0							
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.21	664.6	2.42		0	0	0.0							
13	Deep	JSLakeGeorg	74229		1434.92	664.37	1.72		1434.94	664.37	1.72		0	0	0.0							
13	Deep	JSLakeGeorg	73723		1434.41	663.89	2.84		1434.43	663.89	2.84		0	0	0.0							
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0							
13	Deep	JSLakeGeorg	73616		1331.59	663.83	2.5		1331.21	663.83	2.5		0	0	0.0							
13	Deep	JSLakeGeorg	73500		1326.73	663.76	2.34		1326.59	663.76	2.34		0	0	0.0							
13	Deep	JSLakeGeorg	72900		1516.72	663.16	2.1		1516.46	663.16	2.1		0	0	0.0							
13	Deep	JSLakeGeorg	72028		1516.68	662.28	2.53		1516.57	662.28	2.53		0	0	0.0							
13	Deep	JSLakeGeorg	71320		1516.35	661.73	1.46		1516.47	661.73	1.46		0	0	0.0							
13	Deep	JSLakeGeorg	71053		1516.58	661.62	2.25		1516.26	661.62	2.25		0	0	0.0							
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	70937		1516.43	661.38	3.21		1516.48	661.38	3.21		0	0	0.0							
13	Deep	JSLakeGeorg	70139		1516.03	660.86	1.97		1516.27	660.86	1.97		0	0	0.0							
13	Deep	JSLakeGeorg	69435		1515.86	660.28	0.95		1515.42	660.28	0.95		0	0	0.0							
13	Deep	JSLakeGeorg	68193		1513.92	659.83	1.55		1514.57	659.83	1.55		1	0	0.0							
13	Deep	JSLakeGeorg	66864		1740.55	659.03	1.81		1740.39	659.03	1.81		0	0	0.0							
13	Deep	JSLakeGeorg	66388		1751.33	658.65	1.7		1751.25	658.65	1.7		0	0	0.0							
13	Deep	JSLakeGeorg	65488		1768.35	657.5	2.69		1768.02	657.5	2.69		0	0	0.0							
13	Deep	JSLakeGeorg	64654		1782.81	656.2	2.21		1782.8	656.2	2.21		0	0	0.0							
13	Deep	JSLakeGeorg	63857		1799.25	655.26	1.78		1799.18	655.26	1.78		0	0	0.0							
13	Deep	JSLakeGeorg	63247		1811.34	654.81	1.59		1811.29	654.81	1.59		0	0	0.0							
13	Deep	JSLakeGeorg	62532		1824.5	654.54	0.65		1824.73	654.54	0.65		0	0	0.0							
13	Deep	JSLakeGeorg	62169		1833.49	654.35	3.23		1833.31	654.35	3.23		0	0	0.0							
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	62050		1833.84	654.31	3.2		1833.91	654.31	3.2		0	0	0.0							
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.44	654.04	1.91		0	0	0.0							
13	Deep	JSLakeGeorg	61270		1850.35	653.64	1.97		1850.28	653.64	1.97		0	0	0.0							
13	Deep	JSLakeGeorg	61156		1853.54	653.47	1.88		1853.73	653.47	1.88		0	0	0.0							
13	Deep	JSLakeGeorg	60978		1859.06	653.25	1.52		1858.91	653.25	1.52		0	0	0.0							
13	Deep	JSLakeGeorg	60509		1870.12	652.75	2.02		1870.23	652.75	2.02		0	0	0.0							
13	Deep	JSLakeGeorg	59758		1882.58	651.82	2.43		1882.62	651.82	2.43		0	0	0.0							
13	Deep	JSLakeGeorg	58574		1899.01	650.7	1.92		1899.09	650.7	1.92		0	0	0.0							
13	Deep	JSLakeGeorg	57350		1918.42	649.76	2.04		1918.37	649.76	2.04		0	0	0.0							
13	Deep	JSLakeGeorg	56397		1935.83	648.74	2.2		1935.67	648.74	2.2		0	0	0.0							
13	Deep	JSLakeGeorg	55724		1950.37	648.02	1.68		1950.35	648.02	1.68		0	0	0.0							
13	Deep	JSLakeGeorg	54755		1966.58	647.32	1.87		1966.46	647.32	1.87		0	0	0.0							
13	Deep	JSLakeGeorg	53123		1988.13	646.51	1.51		1987.96	646.51	1.51		0	0	0.0							
13	Deep	JSLakeGeorg	52077		2007.42	646.08	1.37		2007.18	646.08	1.37		0	0	0.0							
13	Deep	JSLakeGeorg	51203		2023.9	645.49	2.18		2023.39	645.49	2.18		-1	0	0.0							
13	Deep	JSLakeGeorg	50734		2021.64	645.02	2.05		2021.23	645.02	2.05		0	0	0.0							
13	Deep	JSLakeGeorg	50234		2307.04	644.53	2.58		2307.32	644.53	2.58		0	0	0.0							
13	Deep	JSLakeGeorg	49556		2306.73	643.78	2.12		2306.77	643.78	2.12		0	0	0.0							
13	Deep	JSLakeGeorg	48301		2306.18	642.98	1.76		2306.56	642.98	1.76		0	0	0.0							
13	Deep	JSLakeGeorg	47270		2306.29	642.25	2.2		2306.01	642.25	2.2		0	0	0.0							
13	Deep	JSLakeGeorg	46606		2306.09	641.69	3.42		2306.01	641.69	3.42		0	0	0.0	13	1	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	46376		2305.87	641.2	3.33		2306.01	641.2	3.33		0	0	0.0							
12	Deep	JSLakeGeorg	45906		2305.94	640.92	2.11		2305.89	640.92	2.11		0	0	0.0							
12	Deep	JSLakeGeorg	45247		2313.8	639.84	2.9		2313.91	639.84	2.9		0	0	0.0							
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.85	638.7	3.02		0	0	0.0							
12	Deep	JSLakeGeorg	44232		2325.24	637.66	3.2		2325.21	637.66	3.2		0	0	0.0							
12	Deep	JSLakeGeorg	43908		2329.98	637	3.76		2329.9	637	3.76		0	0	0.0							
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	43837		2329.73	636.63	5.07		2329.8	636.63	5.07		0	0	0.0							
12	Deep	JSLakeGeorg	43461		2334.32	636.09	5.08		2334.52	636.09	5.09		0	0	0.0							
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	43390		2334.85	636.08	4.73		2334.55	636.08	4.73		0	0	0.0							
12	Deep	JSLakeGeorg	43242		2335.65	635.82	3.65		2335.92	635.82	3.65		0	0	0.0							
12	Deep	JSLakeGeorg	43046		2337.42	635.29	3.07		2337.05	635.29	3.07		0	0	0.0							
12	Deep	JSLakeGeorg	43012		2338.64	635.12	4.42		2338.28	635.12	4.42		0	0	0.0							
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	42973		2338.87	635.12	3.42		2338.54	635.12	3.42		0	0	0.0							
12	Deep	JSLakeGeorg	42477		2340.97	634.79	2.45		2341.24	634.79	2.45		0	0	0.0							
12	Deep	JSLakeGeorg	41418		2351.52	634.04	0.56		2352.01	634.04	0.56		0	0	0.0							
12	Deep	JSLakeGeorg	39881		2362.67	633.36	2.16		2362.41	633.36	2.16		0	0	0.0							
12	Deep	JSLakeGeorg	39554		2366.81	633.04	1.62		2365.66	633.04	1.62		-1	0	0.0							
12	Deep	JSLakeGeorg	38999		2371.85	632.77	1.67		2371.33	632.77	1.67		-1	0	0.0							
12	Deep	JSLakeGeorg	38116		2379.44	632.39	1.57		2378.63	632.39	1.57		-1	0	0.0							
12	Deep	JSLakeGeorg	37703		2384.8	632.03	4.29		2383.73	632.03	4.29		-1	0	0.0							
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0							
12	Deep	JSLakeGeorg	37554		2384.27	629.91	4.81		2383.52	629.91	4.81		-1	0	0.0							
12	Deep	JSLakeGeorg	36999		2391.12	629.33	2.2		2390.97	629.33	2.2		0	0	0.0							
12	Deep	JSLakeGeorg	36181		2399.5	628.19	2.31		2399.47	628.19	2.31		0	0	0.0							
12	Deep	JSLakeGeorg	35034		2406.95	627.21	2.07		2406.5	627.21	2.07		0	0	0.0							
12	Deep	JSLakeGeorg	34012		2414.9	626.27	2.17		2414.96	626.27	2.17		0	0	0.0							
12	Deep	JSLakeGeorg	33338		2421.95	625.71	1.52		2421.52	625.71	1.52		0	0	0.0							
12	Deep	JSLakeGeorg	32345		2429.09	625.16	2.88		2429.13	625.16	2.88		0	0	0.0							
12	Deep	JSLakeGeorg	31526		2438.72	624.62	3.12		2438.58	624.62	3.12		0	0	0.0							
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0							

12	Deep	USLakeGeorg	31444		2438.63	624.18	4.62		2438.65	624.18	4.62		0	0	0.0						
12	Deep	USLakeGeorg	30859		2444.67	623.78	1.85		2444.9	623.78	1.85		0	0	0.0						
12	Deep	USLakeGeorg	30141		2451.98	623.29	1.41		2452.73	623.29	1.41		1	0	0.0						
12	Deep	USLakeGeorg	28772		2464.34	622.22	1.84		2463.92	622.22	1.84		0	0	0.0						
12	Deep	USLakeGeorg	27969		2471.72	621.45	1.72		2471.59	621.45	1.73		0	0	0.0						
12	Deep	USLakeGeorg	26706		2478.1	620.78	1.73		2478.48	620.78	1.73		0	0	0.0						
12	Deep	USLakeGeorg	25820		2483.58	620.3	1.61		2483.78	620.29	1.61		0	-0.01	0.0						
12	Deep	USLakeGeorg	24753		2490.4	619.7	1.79		2491.14	619.69	1.79		1	-0.01	0.0						
12	Deep	USLakeGeorg	24277		2494.64	619.37	1.56		2495.4	619.36	1.56		1	-0.01	0.0						
12	Deep	USLakeGeorg	23302		2502.89	618.89	1.36		2503.72	618.87	1.37		1	-0.02	0.0						
12	Deep	USLakeGeorg	22507		2510.48	618.56	1.37		2511.64	618.54	1.37		1	-0.02	0.0						
12	Deep	USLakeGeorg	21518		2518.26	618.09	1.86		2519.62	618.06	1.88		1	-0.03	0.0						
12	Deep	USLakeGeorg	20795		2524.78	617.62	1.51		2527.35	617.58	1.52		3	-0.04	0.0						
12	Deep	USLakeGeorg	20086		2532.31	617.28	1.61		2534.33	617.23	1.62		2	-0.05	0.0						
12	Deep	USLakeGeorg	19928		2533.96	617.21	1.54		2536.06	617.16	1.56		2	-0.05	0.0						
12	Deep	USLakeGeorg	19407		2538.86	616.99	3.49		2541.63	616.94	3.52		3	-0.05	0.0	12	3	-1	0.00	-0.05	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0						
11	Deep	USLakeGeorg	19273		2540.3	616.97	3.07		2542.01	616.91	3.09		2	-0.06	0.0						
11	Deep	USLakeGeorg	18982		2543.99	616.88	1.61		2545.64	616.82	1.62		2	-0.06	0.0						
11	Deep	USLakeGeorg	18179		2550.73	616.43	1.96		2553.41	616.36	1.99		3	-0.07	0.0						
11	Deep	USLakeGeorg	16616		2561.57	615.44	2.06		2564.11	615.3	2.12		3	-0.14	0.1						
11	Deep	USLakeGeorg	16067		2561.49	615.05	1.29		2563.81	614.88	1.33		2	-0.17	0.0						
11	Deep	USLakeGeorg	15127		2560.91	614.79	1.18		2563.71	614.6	1.22		3	-0.19	0.0						
11	Deep	USLakeGeorg	14039		2561	614.48	1.27		2563.08	614.25	1.33		2	-0.23	0.1						
11	Deep	USLakeGeorg	12507		2561.33	614.08	1.39		2562.85	613.8	1.46		2	-0.28	0.1						
11	Deep	USLakeGeorg	11631		2850.66	613.9	0.72		2855.5	613.59	0.77		5	-0.31	0.1						
11	Deep	USLakeGeorg	10855		2850.29	613.75	1.05		2855.42	613.42	1.11		5	-0.33	0.1						
11	Deep	USLakeGeorg	9782		2850.04	613.47	2.87		2854.84	613.1	3		5	-0.37	0.1	11	5	2	-0.06	-0.37	0.1	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	9630		2850.04	613.26	2.83		2855.4	612.88	2.98		5	-0.38	0.2						
10	Deep	USLakeGeorg	9188		2850.25	613.18	1.46		2855.75	612.79	1.55		6	-0.39	0.1						
10	Deep	USLakeGeorg	8897		2849.49	613.11	0.81		2855.09	612.7	0.86		6	-0.41	0.0						
10	Deep	USLakeGeorg	8295		2850.49	612.98	1.66		2855.67	612.55	1.76		5	-0.43	0.1						
10	Deep	USLakeGeorg	8102		2886.72	612.88	1		2892.64	612.43	1.08		6	-0.45	0.1						
10	Deep	USLakeGeorg	7054		2887.31	612.57	1.92		2891.85	612.05	2.08		5	-0.52	0.2						
10	Deep	USLakeGeorg	6756		2886.75	612.37	1.41		2891.75	611.79	1.53		5	-0.58	0.1						
10	Deep	USLakeGeorg	6208		2886.93	612.09	1.76		2891.96	611.43	1.95		5	-0.66	0.2						
10	Deep	USLakeGeorg	5892		2886.79	611.97	1.73		2891.59	611.26	1.97		5	-0.71	0.2						
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	5782		2887.38	611.88	2.03		2892.42	611.16	2.23		5	-0.72	0.2						
10	Deep	USLakeGeorg	5461		2886.67	611.83	1.11		2892.04	611.09	1.25		5	-0.74	0.1						
10	Deep	USLakeGeorg	5071		2887.09	611.76	0.87		2892.21	610.99	0.98		5	-0.77	0.1						
10	Deep	USLakeGeorg	4635		2886.31	611.7	1.39		2891.5	610.91	1.58		5	-0.79	0.2						
10	Deep	USLakeGeorg	3552		2885.42	611.57	0.92		2891.45	610.72	1.04		6	-0.85	0.1						
10	Deep	USLakeGeorg	2936		2886.32	611.49	1.03		2891.3	610.61	1.16		5	-0.88	0.1						
10	Deep	USLakeGeorg	1907		2882.89	611.38	1.52		2889.67	610.46	1.74		7	-0.92	0.2						
10	Deep	USLakeGeorg	1253		2883.21	611.23	1.3		2889.48	610.24	1.48		6	-0.99	0.2						
10	Deep	USLakeGeorg	620		2880.81	611.15	1.69		2888.66	610.11	1.92		8	-1.04	0.2	10	8	5	0.00	-1.04	0.2	0.0
9	Deep	USDuck	75919.1		5039.01	611.03	2.17		5043.28	609.94	2.43		4	-1.09	0.3						
9	Deep	USDuck	75919		5039.19	611.03	2.17		5042.95	609.94	2.43		4	-1.09	0.3						
9	Deep	USDuck	74577		5044.4	610.97	0.59		5048.06	609.85	0.66		4	-1.12	0.1						
9	Deep	USDuck	73646		5047.21	610.96	0.5		5052.23	609.84	0.55		5	-1.12	0.1						
9	Deep	USDuck	73085		5050.26	610.96	0.55		5055.07	609.84	0.6		5	-1.12	0.0						
9	Deep	USDuck	72588		5052.92	610.95	0.79		5057.53	609.82	0.86		5	-1.13	0.1						
9	Deep	USDuck	72272		5054.77	610.89	1.98		5059.16	609.76	2.17		4	-1.13	0.2	9	5	4	-1.09	-1.13	0.3	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0						
8	Deep	USDuck	72091		5051.06	610.07	3.41		5044.14	608.65	3.88		-7	-1.42	0.5						
8	Deep	USDuck	71748		5054.02	610.12	0.94		5045.85	608.7	1.06		-8	-1.42	0.1						
8	Deep	USDuck	71471		5055.99	610.12	0.83		5047.91	608.7	0.93		-8	-1.42	0.1						
8	Deep	USDuck	70800		5059.34	610.11	0.76		5050.04	608.68	0.86		-9	-1.43	0.1						
8	Deep	USDuck	70081		5063.25	610.09	0.92		5054.51	608.66	1.05		-9	-1.43	0.1						
8	Deep	USDuck	69112		5067.38	610.07	1		5059.49	608.63	1.12		-8	-1.44	0.1						
8	Deep	USDuck	68349		5071.68	610.07	0.63		5063	608.62	0.74		-9	-1.45	0.1						
8	Deep	USDuck	68057		5072.31	610.04	1.66		5063.89	608.57	2.03		-8	-1.47	0.4						
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0						
8	Deep	USDuck	67862		5073.96	610.02	1.01		5063.81	608.55	1.17		-10	-1.47	0.2						
8	Deep	USDuck	67287		5076.95	610.02	0.57		5067.37	608.55	0.65		-10	-1.47	0.1						
8	Deep	USDuck	66449		5081.12	610.01	0.83		5070.88	608.53	0.94		-10	-1.48	0.1						
8	Deep	USDuck	65658		5085.34	610.01	0.6		5074.53	608.52	0.68		-11	-1.49	0.1						
8	Deep	USDuck	64951		5089.01	610	0.6		5077.79	608.52	0.67		-11	-1.48	0.1						
8	Deep	USDuck	64403		5091.25	609.98	1.11		5080.26	608.49	1.27		-11	-1.49	0.2						
8	Deep	USDuck	64140		5092.77	609.79	4.01		5081.32	608.23	4.53		-11	-1.56	0.5						
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0						
8	Deep	USDuck	63973		5092.78	608.91	3.38		5081.24	606.91	3.99		-12	-2	0.6						
8	Deep	USDuck	63867		5092.85	609	2.06		5081.75	607.02	2.43		-11	-1.98	0.4						
8	Deep	USDuck	63747		5093.49	608.99	1.98		5081.94	607.01	2.34		-12	-1.98	0.4						
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0						
8	Deep	USDuck	63518		5093.95	608.73	2.09		5082.06	606.63	2.5		-12	-2.1	0.4						
8	Deep	USDuck	63249		5095.35	608.77	0.84		5083.71	606.68	0.98		-12	-2.09	0.1						
8	Deep	USDuck	62725		5095.54	608.77	0.4		5083.49	606.68	0.46		-12	-2.09	0.1						
8	Deep	USDuck	62349		5095.3	608.77	0.41		5083.6	606.68	0.5		-12	-2.09	0.1	8	-7	-12	0.00	-2.10	0.6	0.0
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0						
7	Deep	USDuck	62095		5093.01	605.76	2.15		5083.39	605.63	1.15		-10	-0.13	-1.0						
7	Deep	USDuck	61997		5092.62	605.79	1.26		5083.19	605.63	0.89		-9	-0.16	-0.4						
7	Deep	USDuck	61825		5092.12	605.73	2.21		5082.66	605.57	2.23		-9	-0.16	0.0						
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0						
7	Deep	USDuck	61668		5091.62	605.18	3.78		5082.66	605.19	3.77		-9	0.01	0.0						
7	Deep	USDuck	61549		5091.73	605.25	2.77		5082.57	605.27	2.71		-9	0.02	-0.1						
7	Deep	DSDuck	961329		5759.13	605.22	2.6		5757.43	605.23	2.6		-2	0.01	0.0						
7	Deep	DSDuck	961230		5756.97	605.22	2.43		5757.02	605.23	2.43		0	0.01	0.0	7	0	-10	0.02	-0.16	0.0	-1.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0						
6	Deep	DSDuck	960993		5757.88	605.08	2.24		5756.7	605.1	2.24		-1	0.02	0.0						
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0						
6	Deep	DSDuck	960895		5757.83	605.09	1.99		5756.14	605.1	1.99		-2	0.01	0.0						
6	Deep	DSDuck	960679		5757.47	605.06	1.89		5755.75	605.07	1.89		-2	0.01	0.0						
6	Deep	DSDuck	960529		5728.05	605.02	2.17		5725.53	605.03	2.17		-3	0.01	0.0						
6	Deep	DSDuck	959872		4649.33	604.93	1.73		4644.3	604.95	1.73		-5	0.02	0.0						
6	Deep	DSDuck	959178		5755.03	604.83	1.86		5754.95	604.84	1.86		0	0.01	0.0						
6	Deep	DSDuck	958649		5753.72	604.73	1.98		5755.09	604.75	1.97		1	0.02	0.0						
6	Deep	DSDuck	957989		5753.48	604.65	1.58		5754.18	604.66	1.57		1	0.01	0.0						
6	Deep	DSDuck	957262		5753	604.53	2.01		5754.54	604.54	2.01		2	0.01	0.0						
6	Deep	DSDuck	956509		5752.32	604.37	2.79		5753.56	604.39	2.79		1	0.02	0.0	6	2	-5	0.02	0.00	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0						
5	Deep	DSDuck	956282		5749.89	603.84	3.05		5753.21	603.86	3.04		3	0.02	0.0						
5	Deep	DSDuck	956184		5749.28	603.85	2.65		5752.55	603.87	2.65		3	0.02	0.0						
5	Deep	DSDuck	956039		5749.92	603.86	2.09		5753.02	603.87	2.09		3	0.01	0.0						
5	Deep	DSDuck	955916		5749.47	603.85	1.87		5752.62	603.87	1.87		3	0.02	0.0						

5	Deep	DSDuck	955614		5749.54	603.82	1.84		5752.53	603.84	1.84		3	0.02	0.0							
5	Deep	DSDuck	954784		5747.43	603.7	2.11		5752	603.71	2.11		5	0.01	0.0							
5	Deep	DSDuck	954658		5782.93	603.46	4.64		5788.19	603.48	4.64		5	0.02	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5780.49	603.22	3.38		5787.4	603.24	3.38		7	0.02	0.0							
5	Deep	DSDuck	954427		5779.52	603.22	3.38		5788.36	603.24	3.38		9	0.02	0.0							
5	Deep	DSDuck	954107		5826.35	603.23	2.18		5834.61	603.25	2.18		8	0.02	0.0							
5	Deep	DSDuck	953696		5824.3	603.11	2.64		5833.41	603.13	2.64		9	0.02	0.0							
5	Deep	DSDuck	953203		5822.48	603.06	2.04		5833.67	603.08	2.04		11	0.02	0.0							
5	Deep	DSDuck	952132		5819.75	602.89	2.43		5831.13	602.91	2.43		11	0.02	0.0							
5	Deep	DSDuck	951884		5819.03	602.81	2.56		5829.36	602.82	2.56		10	0.01	0.0							
5	Deep	DSDuck	951566		5817.25	602.73	2.57		5829.33	602.74	2.57		12	0.01	0.0							
5	Deep	DSDuck	950991		5815.54	602.61	2.84		5828.54	602.63	2.84		13	0.02	0.0							
5	Deep	DSDuck	950682		5814.35	602.57	2.27		5827.41	602.58	2.27		13	0.01	0.0							
5	Deep	DSDuck	949909		5812.06	602.41	2.42		5827.02	602.43	2.42		15	0.02	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5587.31	602.34	2.09		5603.29	602.35	2.09		16	0.01	0.0							
5	Deep	DSDuck	949168		5600.05	602.33	1.91		5614.8	602.35	1.91		15	0.02	0.0							
5	Deep	DSDuck	948729		5810.15	602.25	2.27		5825.5	602.27	2.27		15	0.02	0.0	5	16	3	0.02	0.00	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5806.49	601.97	1.74		5823.7	601.99	1.74		17	0.02	0.0							
4	Deep	DSDuck	948480		5805.46	601.97	1.74		5824.15	601.99	1.74		19	0.02	0.0							
4	Deep	DSDuck	948428		6012.44	601.97	1.51		6032.47	602	1.51		20	0.03	0.0							
4	Deep	DSDuck	948174		6011.33	601.94	1.77		6033.26	601.96	1.77		22	0.02	0.0							
4	Deep	DSDuck	947566		6008.83	601.85	1.67		6032.47	601.87	1.67		24	0.02	0.0							
4	Deep	DSDuck	946997		6005.92	601.66	2.46		6030.26	601.69	2.47		24	0.03	0.0							
4	Deep	DSDuck	946167		6003.88	601.58	1.34		6028.55	601.6	1.34		25	0.02	0.0							
4	Deep	DSDuck	945248		6003.98	601.53	1.58		6028.07	601.55	1.58		24	0.02	0.0							
4	Deep	DSDuck	944337		6001.8	601.46	1.51		6026.24	601.48	1.51		24	0.02	0.0							
4	Deep	DSDuck	942778		5996.81	601.09	3.69		6022.24	601.12	3.68		25	0.03	0.0							
4	Deep	DSDuck	942375		5995.89	600.97	3.49		6021.04	600.99	3.49		25	0.02	0.0							
4	Deep	DSDuck	942129		5996.3	600.89	3.53		6020.83	600.92	3.53		25	0.03	0.0							
4	Deep	DSDuck	941984		5991.48	600.72	4.43		6017.68	600.75	4.43		26	0.03	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		5992.82	600.71	3.27		6019	600.73	3.27		26	0.02	0.0							
4	Deep	DSDuck	941433		5987.05	600.4	4.13		6014.28	600.43	4.13		27	0.03	0.0							
4	Deep	DSDuck	940705		5985.78	600.13	3.16		6008.7	600.16	3.16		23	0.03	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5974.87	599.83	4.06		6000.82	599.86	4.06		26	0.03	0.0							
4	Deep	DSDuck	940382		5978.05	599.86	1.84		6000.42	599.88	1.84		22	0.02	0.0							
4	Deep	DSDuck	939456		5976.51	599.76	1.86		5997.57	599.79	1.86		21	0.03	0.0							
4	Deep	DSDuck	938026		5971.99	599.66	1.94		5966.7	599.69	1.93		-5	0.03	0.0							
4	Deep	DSDuck	937064		5963.76	599.29	3.51		5938.71	599.33	3.48		-25	0.04	0.0							
4	Deep	DSDuck	936422		5961.94	599.18	2.92		5925.54	599.22	2.89		-36	0.04	0.0							
4	Deep	DSDuck	935423		5955.88	598.98	2.89		5907.62	599.02	2.85		-48	0.04	0.0							
4	Deep	DSDuck	934734		6041.27	598.88	2.69		5979.64	598.93	2.65		-62	0.05	0.0							
4	Deep	DSDuck	934223		6034.21	598.81	2.56		5973.01	598.86	2.52		-61	0.05	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6036.69	598.29	2.78		5966.48	598.34	2.73		-70	0.05	0.0							
4	Deep	DSDuck	933391		5956.75	598.22	2.57		5959.82	598.27	2.55		3	0.05	0.0							
4	Deep	DSDuck	932574		5919.21	597.98	3.05		5917.89	598.04	3.04		-1	0.06	0.0							
4	Deep	DSDuck	931721		5875.43	597.79	2.9		5859.15	597.85	2.87		-16	0.06	0.0							
4	Deep	DSDuck	931117		5857.93	597.74	2.34		5844.69	597.81	2.31		-13	0.07	0.0							
4	Deep	DSDuck	930406		5849.82	597.68	2.25		5816.41	597.74	2.22		-33	0.06	0.0							
4	Deep	DSDuck	929978		5826.55	597.63	2.21		5796.93	597.69	2.18		-30	0.06	0.0							
4	Deep	DSDuck	929807		5812.45	597.58	2.6		5781.94	597.65	2.56		-31	0.07	0.0	4	27	-70	0.07	0.00	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5799.8	597.4	2.76		5763.28	597.47	2.72		-37	0.07	0.0							
3	Deep	DSDuck	929174		5789.47	597.38	2.17		5758.78	597.45	2.13		-31	0.07	0.0							
3	Deep	DSDuck	928469		5748.45	597.29	2.42		5725.5	597.37	2.38		-23	0.08	0.0							
3	Deep	DSDuck	927523		5670.23	597.13	2.94		5667.29	597.22	2.9		-3	0.09	0.0							
3	Deep	DSDuck	926814		5656.48	597.08	2.44		5652.74	597.17	2.41		-4	0.09	0.0							
3	Deep	DSDuck	926669		5622.41	597.04	2.63		5623.71	597.13	2.6		1	0.09	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5637.28	597.05	1.92		5635.67	597.13	1.9		-2	0.08	0.0							
3	Deep	DSDuck	925793		5567.38	596.94	2.57		5593.18	597.03	2.55		26	0.09	0.0							
3	Deep	DSDuck	925300		5540	596.89	2.46		5567.89	596.98	2.44		28	0.09	0.0							
3	Deep	DSDuck	925073		5511.55	596.86	2.17		5544.36	596.95	2.16		33	0.09	0.0							
3	Deep	DSDuck	924833		5469.29	596.78	2.92		5479.99	596.87	2.9		11	0.09	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5421.33	596	3.27		5463.25	596.09	3.26		42	0.09	0.0							
3	Deep	DSDuck	924342		5350.58	595.94	3.01		5408.21	596.03	3		58	0.09	0.0							
3	Deep	DSDuck	924002		5298.27	595.87	2.82		5385.14	595.98	2.81		87	0.11	0.0							
3	Deep	DSDuck	923827		5284.85	595.84	2.86		5369.51	595.94	2.87		85	0.1	0.0							
3	Deep	DSDuck	923771		5243.74	595.79	3.4		5352.6	595.9	3.43		109	0.11	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5232.26	595.74	2.3		5346.98	595.85	2.34		115	0.11	0.0							
3	Deep	DSDuck	923653		5213.93	595.71	2.37		5332.66	595.82	2.4		119	0.11	0.0							
3	Deep	DSDuck	923529		5201.37	595.65	3.21		5320.24	595.76	3.25		119	0.11	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5193.29	595.66	2.73		5316.78	595.77	2.76		123	0.11	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5202.32	595.64	2.72		5311.39	595.76	2.75		109	0.12	0.0							
3	Deep	DSDuck	923408		5179.32	595.62	3.17		5303.93	595.74	3.22		125	0.12	0.1							
3	Deep	DSDuck	923308		5169.47	595.61	2.84		5287.71	595.73	2.87		118	0.12	0.0							
3	Deep	DSDuck	923080		5156.25	595.62	2.38		5256.33	595.74	2.41		100	0.12	0.0							
3	Deep	DSDuck	922636		5138.85	595.56	2.76		5224.43	595.69	2.74		86	0.13	0.0							
3	Deep	DSDuck	922169		5099.95	595.51	2.65		5187.54	595.64	2.65		88	0.13	0.0							
3	Deep	DSDuck	921587		5180.39	595.39	2.95		5309.23	595.52	2.99		129	0.13	0.0							
3	Deep	DSDuck	921501		5132.33	595.25	4.01		5252.19	595.38	4.06		120	0.13	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5086.76	595.11	3.65		5207.52	595.23	3.7		121	0.12	0.1							
3	Deep	DSDuck	921039.1		5086.75	595.11	3.65		5206.59	595.23	3.7		120	0.12	0.1							
3	Deep	DSDuck	921039		5081.89	595.11	3.64		5197	595.23	3.69		115	0.12	0.0	3	129	-37	0.13	0.00	0.1	0.0
1	Burns	Burns	920939		5266.18	595.11	3.91		5426.01	595.23	3.99		160	0.12	0.1							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5251.12	594.99	4.15		5401.63	595.11	4.24		151	0.12	0.1							
1	Burns	Burns	920468		5250	594.96	3.97		5397.64	595.08	4.04		148	0.12	0.1							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5089.88	594.95	3.51		5200.15	595.07	3.56		110	0.12	0.1							
1	Burns	Burns	919872		5119.01	594.89	3.42		5231.09	595.01	3.46		112	0.12	0.0							
1	Burns	Burns	919832		5199.01	594.88	3.39		5320.9	595	3.44		122	0.12	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5176.55	594.68	3.89		5280.01	594.8	3.92		103	0.12	0.0							
1	Burns	Burns	919588		5171.39	594.68	3.82		5290.79	594.8	3.87		119	0.12	0.1							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5185.23	594.75	2.85		5296.03	594.88	2.89		111	0.13	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	919340		4947.3	594.73	2.92		5048.88	594.85	2.96		102	0.12	0.0							
1	Burns	Burns	919021		4062.08	594.79	2.1		4146.98	594.91	2.13		85	0.12	0.0							
1	Burns	Burns	918058		2249.89	594.81	1.32		2289.05	594.93	1.33		39	0.12	0.0							
1	Burns	Burns	917449		1616.7	594.81	0.99		1653.33	594.94	1		37	0.13	0.0							
1	Burns	Burns	916752		1818.86	594.79	1.11		1757.2	594.92	1.06		-62	0.13	-0.1							
1	Burns	Burns	916647		1869.73	594.78	1.26		1792.82	594.91	1.2		-77	0.13	-0.1							
1	Burns	Burns	916591		Bridge				Bridge					0	0.0							
1	Burns	Burns	916504		1870.09	594.77	1.24		1792.82	594.9	1.18		-77	0.13	-0.1							
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	916384		1870.96	594.76	1.19		1786.75	594.89	1.12		-84	0.13	-0.1							
1	Burns	Burns	915170		1170.33	594.76	0.79		1071.67	594.9	0.72		-99	0.14	-0.1							
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	913799		1074.67	594.75	0.72		948.05	594.89	0.63		-127	0.14	-0.1							
1	Burns	Burns	912165		1355.92	594.72	0.8		1162.02	594.87	0.68		-194	0.15	-0.1							
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	911500		2134.48	594.68	1.32		1832.57	594.84	1.12		-302	0.16	-0.2							
1	Burns	Burns	909818		3230.61	594.53	1.91		3059.66	594.7	1.79		-171	0.17	-0.1							
1	Burns	Burns	907147		5050.49	594.09	2.9		5169.76	594.25	2.94		119	0.16	0.0							
1	Burns	Burns	905522		5060.51	593.84	2.82		5184.17	594	2.86		124	0.16	0.0							
1	Burns	Burns	905438		Bridge				Bridge					0	0.0							
1	Burns	Burns	905364		5055.87	593.8	2.83		5178.61	593.96	2.86		123	0.16	0.0							
1	Burns	Burns	904862		5050.14	593.7	3.05		5173.83	593.86	3.03		124	0.16	0.0							
1	Burns	Burns	904213		5008.89	593.62	2.79		5135.78	593.78	2.78		127	0.16	0.0							
1	Burns	Burns	903765		4999.31	593.54	2.86		5126.07	593.7	2.89		127	0.16	0.0							
1	Burns	Burns	903487		4999.47	593.51	2.73		5122.6	593.67	2.75		123	0.16	0.0							
1	Burns	Burns	903304		Bridge				Bridge					0	0.0							
1	Burns	Burns	903222		4987.87	593.37	3.02		5113.97	593.53	3.06		126	0.16	0.0							
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	902545		4919.37	593.28	2.83		5041.49	593.44	2.87		122	0.16	0.0							
1	Burns	Burns	902215		4823.33	593.25	2.81		4934.66	593.4	2.84		111	0.15	0.0							
1	Burns	Burns	901966		4821.23	593.21	2.89		4933.48	593.36	2.92		112	0.15	0.0							
1	Burns	Burns	901643		4926.54	593.22	2.32		5047.88	593.37	2.35		121	0.15	0.0							
1	Burns	Burns	901478		Bridge				Bridge					0	0.0							
1	Burns	Burns	901218		4885.8	593.07	2.41		5007.46	593.22	2.44		122	0.15	0.0							
1	Burns	Burns	900573		4841.4	592.96	2.92		4963.11	593.11	2.97		122	0.15	0.1							
1	Burns	Burns	900081		4837.45	592.91	2.82		4958.62	593.06	2.87		121	0.15	0.1							
1	Burns	Burns	18866		4837.08	592.91	2.73		4958.8	593.05	2.76		122	0.14	0.0							
1	Burns	Burns	18616		4834.53	592.77	3.62		4954.44	592.91	3.67		120	0.14	0.0							
1	Burns	Burns	18571		Bridge				Bridge					0	0.0							
1	Burns	Burns	18530		4834.87	592.81	3.03		4957.47	592.95	3.08		123	0.14	0.1							
1	Burns	Burns	18529		4834.77	592.81	3.03		4956.17	592.95	3.08		121	0.14	0.1							
1	Burns	Burns	18452		Bridge				Bridge					0	0.0							
1	Burns	Burns	18365		4834.53	591.47	2.83		4955.69	591.6	2.87		121	0.13	0.0							
1	Burns	Burns	18249		4835.23	591.46	2.68		4956.14	591.59	2.72		121	0.13	0.0							
1	Burns	Burns	18079		5097.58	591.36	3.26		5218.63	591.49	3.3		121	0.13	0.0							
1	Burns	Burns	18078		5097.56	591.36	3.26		5219.72	591.49	3.3		122	0.13	0.0							
1	Burns	Burns	18017		Bridge				Bridge					0	0.0							
1	Burns	Burns	17972		5026.93	591.17	3.68		5150.08	591.29	3.73		123	0.12	0.0							
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	17309		5022.72	591.11	2.85		5101.72	591.23	2.86		79	0.12	0.0							
1	Burns	Burns	16898		4976.5	591.05	2.75		5100.24	591.17	2.79		124	0.12	0.0							
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	15741		4929.44	590.82	3.1		5053.84	590.94	3.15		124	0.12	0.0							
1	Burns	Burns	13924		4951.24	590.53	2.89		5077.45	590.64	2.94		126	0.11	0.0							
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	13011		4991.81	590.4	2.75		5118.62	590.51	2.8		127	0.11	0.0							
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	12071		4989.14	590.26	2.85		5115.59	590.36	2.9		126	0.1	0.0							
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	10554		4985.65	590.1	2.25		5105.52	590.2	2.28		120	0.1	0.0							
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	9194		5013.74	589.95	2.34		5141.05	590.05	2.38		127	0.1	0.0							
1	Burns	Burns	7751		5012.67	589.81	2.29		5128.68	589.9	2.33		116	0.09	0.0							
1	Burns	Burns	7232		5003.28	589.76	2.21		5125.87	589.85	2.25		123	0.09	0.0							
1	Burns	Burns	5385		4992.89	589.56	2.29		5057.64	589.65	2.3		65	0.09	0.0							
1	Burns	Burns	4161		4915.22	589.4	2.58		5040.5	589.48	2.63		125	0.08	0.0							
1	Burns	Burns	3756		14041.66	588.66	4.59		14175.83	588.73	4.61		134	0.07	0.0							
1	Burns	Burns	3276		14041.59	588.42	5.05		14175.34	588.5	5.07		134	0.08	0.0							
1	Burns	Burns	2944		14122.39	588.18	5.6		14256.92	588.26	5.62		135	0.08	0.0							
1	Burns	Burns	2144		14122.39	588.27	2.1		14256.89	588.34	2.11		135	0.07	0.0							
1	Burns	Burns	1865		Bridge				Bridge					0	0.0							
1	Burns	Burns	1794		14122.38	587.12	6.12		14257.07	587.19	6.16		135	0.07	0.0							
1	Burns	Burns	1793		14122.38	587.12	6.11		14257.07	587.19	6.15		135	0.07	0.0							
1	Burns	Burns	1758		Bridge				Bridge					0	0.0							
1	Burns	Burns	1700		14122.41	586.56	7.29		14256.83	586.62	7.33		134	0.06	0.0							
1	Burns	Burns	1699		14122.38	586.56	7.28		14256.97	586.62	7.32		135	0.06	0.0							
1	Burns	Burns	1634		Bridge				Bridge					0	0.0							
1	Burns	Burns	1579		14122.46	586.98	4.9		14256.88	587.04	4.92		134	0.06	0.0							
1	Burns	Burns	1518		14122.31	586.95	4.85		14256.83	587.02	4.88		135	0.07	0.0							
1	Burns	Burns	784		14122.35	586.64	4.83		14256.91	586.7	4.85		135	0.06	0.0							
1	Burns	Burns	682		14122.25	586.5	5.36		14256.61	586.56	5.38		134	0.06	0.0							
1	Burns	Burns	588		Bridge				Bridge					0	0.0							
1	Burns	Burns	532.1		14122.24	584.63	9.08		14256.76	584.67	9.14		135	0.04	0.1							
1	Burns	Burns	532		14122.29	584.91	8.03		14257.01	584.95	8.08		135	0.04	0.1							
1	Burns	Burns	100		14122.28	585.03	5.38		14256.92	585.08	5.41		135	0.05	0.0							
1	Burns	Burns	1		14122.21	582.93	5.97		14256.91	582.95	6.02		135	0.02	0.0							
1	Burns	Burns	0		476.6	581.1	0.03		476.44	581.1	0.03		0	0	0.0	1	160	-302	0.17	0.00	0.1	-0.2

Proposed Project: increase Lake George Outlet and d/s Ridge Rd
Project Description: approximately double width of outlet weir, increas Ridge Rd by 1/3
Project Location: Lake George outlet structure & Ridge Road
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	+0.2	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	+0.1	32	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	+0.1	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	- 0.2	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	up to -2.1	negligible	to 0.6 fps increase		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	up to - 1.1	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	up to -1.0	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	up to -0.4	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	up to - 0.8	up to 7% increase	up to 0.8 fps increase		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	up to 5%	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	up to + 0.2	up to 7%	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 13: PROJECT IMPACT SPREADSHEET FOR INCREASING CAPACITY OF RAILROAD NEAR HARRISON AVENUE

paste model output results here - make sure same order and cross sections					EX100y96hARF				Harrison RR increase				Harrison RR increase project - existing									
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl							
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.38	622.63	1.5		904.48	622.62	1.51		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		902.09	622.35	3.61		903.66	622.32	3.67		2	-0.03	0.1							
17	TurkeyCreek	TurkeyCk	33088.58		1072.44	622.15	2.98		1073.93	622.11	3.07		1	-0.04	0.1							
17	TurkeyCreek	TurkeyCk	32513.27		1070.12	621.84	2.32		1072.47	621.77	2.38		2	-0.07	0.1							
17	TurkeyCreek	TurkeyCk	31866.41		1067.53	621.57	1.93		1069.91	621.48	2		2	-0.09	0.1							
17	TurkeyCreek	TurkeyCk	31257.64		1066.47	621.41	2.36		1069.5	621.3	2.44		3	-0.11	0.1							
17	TurkeyCreek	TurkeyCk	30968.95		1064.03	621.1	3.31		1066.08	620.96	3.41		2	-0.14	0.1							
17	TurkeyCreek	TurkeyCk	30538.52		1062.12	620.82	2.78		1064.25	620.64	2.97		2	-0.18	0.2							
17	TurkeyCreek	TurkeyCk	30439.94		1061.74	620.8	1.61		1064.37	620.62	1.8		3	-0.18	0.2							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1061.83	620.78	1.28		1063.92	620.6	1.35		2	-0.18	0.1							
17	TurkeyCreek	TurkeyCk	30161.32		1062.15	620.77	0.92		1064	620.59	0.97		2	-0.18	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1061.75	620.76	0.4		1064.33	620.57	0.42		3	-0.19	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1377.83	620.75	0.55		1380.8	620.57	0.57		3	-0.18	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1377.78	620.71	1.79		1380.6	620.52	1.88		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	28880.56		1377.4	620.59	3.1		1380.45	620.4	3.2		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1370.18	619.75	4.29		1371.52	619.55	4.44		1	-0.2	0.2							
17	TurkeyCreek	TurkeyCk	28799.35		1370.62	619.79	3.97		1372.58	619.59	4.15		2	-0.2	0.2							
17	TurkeyCreek	TurkeyCk	28772.76		1372.29	619.87	3.09		1374.17	619.67	3.24		2	-0.2	0.2							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.29	619.93	1.67		1375	619.74	1.76		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	28630.21		1372.64	619.94	1.1		1375.47	619.75	1.17		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	28551.08		1372.23	619.94	1.03		1374.81	619.75	1.08		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.23	619.93	1.02		1375.09	619.73	1.08		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	28469.26		1372.33	619.92	1.01		1375.13	619.73	1.07		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	28083.71		1784.39	619.91	0.92		1787.63	619.71	0.96		3	-0.2	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.23	619.9	0.89		1787.59	619.71	0.94		3	-0.19	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.8	619.89	0.93		1787.66	619.69	0.98		3	-0.2	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1784.94	619.88	0.94		1787.67	619.68	0.98		3	-0.2	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.19	619.87	0.95		1787.2	619.67	0.98		3	-0.2	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.09	619.86	1.16		1787.35	619.66	1.21		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	27063.38		1783.84	619.85	1.25		1786.98	619.65	1.31		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.15	619.83	1.43		1786.78	619.63	1.5		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	26916.19		1784.31	619.83	1.5		1786.88	619.62	1.59		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	26828.25		1784	619.82	1.46		1786.9	619.61	1.54		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.19	619.8	1.54		1787.24	619.6	1.63		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	26683.12		1783.65	619.79	1.35		1787.19	619.6	1.42		4	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	26560.67		1783.45	619.78	1.55		1786.06	619.58	1.63		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.22	619.76	1.54		1786.49	619.57	1.62		2	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	26426.03		1783.57	619.77	1.18		1786.37	619.57	1.23		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	26325.89		1783.73	619.76	1.06		1787.11	619.57	1.11		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.46	619.75	1.17		1786.93	619.55	1.23		2	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	26224.64		1784.31	619.75	1.13		1787.43	619.55	1.19		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	26124.27		1784.06	619.74	0.99		1786.73	619.55	1.03		3	-0.19	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.87	619.74	1.14		1786.3	619.54	1.19		2	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.87	619.71	1.48		1786.99	619.52	1.56		3	-0.19	0.1							
17	TurkeyCreek	TurkeyCk	25880.1		1784.05	619.7	1.74		1786.97	619.5	1.84		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	25681.32		1783.83	619.67	1.69		1786.78	619.47	1.76		3	-0.2	0.1							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1783.1	619.66	1.63		1786.67	619.45	1.71		4	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	25414.28		1783.59	619.66	1.03		1786.69	619.45	1.1		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	25271.19		1783.8	619.66	0.58		1786.66	619.45	0.61		3	-0.21	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.13	619.65	0.56		1786.73	619.44	0.58		3	-0.21	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.31	619.65	0.71		1786.96	619.44	0.74		4	-0.21	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.71	619.64	1.04		1786.75	619.43	1.11		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.1	619.64	0.77		1786.83	619.43	0.8		3	-0.21	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1783.9	619.64	0.72		1786.57	619.43	0.75		3	-0.21	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.89	619.63	0.56		1786.51	619.43	0.58		3	-0.2	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.22	619.62	1.03		1786.68	619.41	1.09		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1783.81	619.61	1.15		1786.95	619.4	1.22		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	24542.6		1783.53	619.61	0.71		1786.87	619.4	0.74		3	-0.21	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.47	619.61	0.97		1785.96	619.4	1.02		2	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	24404.92		1783.36	619.59	1.44		1786.58	619.38	1.52		3	-0.21	0.1							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.36	619.59	1.33		1786.59	619.37	1.4		3	-0.22	0.1							
17	TurkeyCreek	TurkeyCk	24213.36		1783.47	619.58	1.45		1786.63	619.36	1.53		3	-0.22	0.1							
17	TurkeyCreek	TurkeyCk	23821.64		1783.81	619.55	1.26		1786.57	619.33	1.34		3	-0.22	0.1							
17	TurkeyCreek	TurkeyCk	23658.74		1783.39	619.55	1.21		1786.51	619.32	1.28		3	-0.23	0.1							
17	TurkeyCreek	TurkeyCk	23314		1783.58	619.5	1.72		1786.34	619.27	1.83		3	-0.23	0.1							
17	TurkeyCreek	TurkeyCk	22924.77		1783.41	619.47	1.4		1786.17	619.23	1.51		3	-0.24	0.1							
17	TurkeyCreek	TurkeyCk	22863.38		1783.38	619.45	1.85		1786.21	619.21	2		3	-0.24	0.2							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.42	619.41	2.09		1786.22	619.16	2.26		3	-0.25	0.2							
17	TurkeyCreek	TurkeyCk	22800.98		1783.47	619.41	1.86		1785.81	619.16	1.99		2	-0.25	0.1							
17	TurkeyCreek	TurkeyCk	22731		1783.53	619.43	1.16		1786.23	619.18	1.24		3	-0.25	0.1							
17	TurkeyCreek	TurkeyCk	22686.77		1783.46	619.42	1.3		1786.07	619.18	1.37		3	-0.24	0.1							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.4	619.41	1.22		1786.15	619.17	1.3		3	-0.24	0.1							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1786.27	619.14	1.68		3	-0.25	0.1							
17	TurkeyCreek	TurkeyCk	22400.67		1783.42	619.33	2.45		1786.17	619.12	1.81		3	-0.21	-0.6							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.65	618.88	3.03		1786.18	618.93	2.57		3	0.05	-0.5							
17	TurkeyCreek	TurkeyCk	22279.23		1783.48	618.86	3.41		1786.27	618.87	3.41		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.48	618.91	2.52		1786.3	618.91	2.53		3	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.54	618.94	1.94		1786.22	618.94	1.94		3	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.43	618.95	1.47		1786.21	618.96	1.47		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.49	618.92	1.86		1786.12	618.93	1.86		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.56	618.77	3.49		1786.17	618.78	3.49		3	0.01	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.56	618.58	3.98		1786.18	618.59	3.98		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.5	618.68	2.19		1786.13	618.69	2.19		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1786.03	618.66	1.19		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.36	618.63	0.99		1786.18	618.63	0.99		3	0	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.63	618.58	1.24		2196.66	618.59	1.25		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.5	618.52	1.93		2196.6	618.52	1.93		3	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.59	618.45	2.1		2196.54	618.46	2.1		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.4	618.36	2.29		2196.53	618.37	2.29		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.49	618.28	1.81		2196.58	618.29	1.81		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.4	618.2	2.67		2196.49	618.21	2.67		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2196.53	617.94	4.33		3	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.39	617.92	3.04		2196.58	617.93	3.05		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.37	617.26	6.71		2196.45	617.27	6.71		3	0.01	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.89	616.2	8.11		2196.04	616.2	8.12		3	0	0.0							
17	TurkeyCreek	TurkeyCk	18578		2193.01	616.31	6.22		2196.05	616.31	6.22		3	0	0.0	17	4	0	0.05	-0.25	0.2	-0.6
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2193.02	615.43	5.41		2196.12	615.44	5.42		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.8	615.07	6.57		2195.55	615.08	6.57		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.8	614.84	5.71		2195.5	614.84	5.72		4	0	0.0							
16	TurkeyCreek	TurkeyCk	18032		2192.3	614.91	3.45		2195.39	614.92	3.45		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.99	614.82	2.9		2195.17	614.82	2.9		3	0	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.56	614.73	3.22		2195.3	614.73	3.22		4	0	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.54	614.65	2.35		2194.79	614.66	2.35		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.51	614.62	2.17		2195.03	614.62	2.17		4	0	0.0							
16	TurkeyCreek	TurkeyCk	16917		2191.7	614.59	1.23		2194.64	614.6	1.23		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	16494		2191.53	614.55	1.33		2194.65	614.55	1.33		3	0	0.0							
16	TurkeyCreek	TurkeyCk	16288		2191.18	614.51	1.57		2194.68	614.52	1.58		4	0.01	0.0							
16	TurkeyCreek	TurkeyCk	15975		2191.04	614.47	1.54		2194.64	614.47	1.54		4	0	0.0							
16	TurkeyCreek	TurkeyCk	15724		2191.29	614.4	2.08		2194.35	614.41	2.08		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	15587		2394.58	614.35	1.94		2400.64	614.36	1.94		6	0.01	0.0							
16	TurkeyCreek	TurkeyCk	15472		2391.83	614.28	2.84		2397.32	614.29	2.84		5	0.01	0.0							
16	TurkeyCreek	TurkeyCk	15271		2392.25	614.25	1.78		2396.7	614.26	1.79		4	0.01	0.0							
16	TurkeyCreek	TurkeyCk	15130		2391.51	614.24	1.54		2397.29	614.24	1.55		6	0	0.0							
16	TurkeyCreek	TurkeyCk	14901		2390.94	614.22	1.32		2395.73	614.22	1.32		5	0	0.0							
16	TurkeyCreek	TurkeyCk	14694		2389.53	614.19	1.44		2394.92	614.2	1.44		5	0.01	0.0							
16	TurkeyCreek	TurkeyCk	14500		2389.59	614.17	1.36		2395.19	614.18	1.36		6	0.01	0.0							
16	TurkeyCreek	TurkeyCk	14254		2388.55	614.16	0.9		2393.74	614.16	0.9		5	0	0.0							
16	TurkeyCreek	TurkeyCk	14081		2388.21	614.15	0.94		2394.39	614.15	0.94		6	0	0.0							
16	TurkeyCreek	TurkeyCk	13909		2387.14	614.13	1.07		2393.9	614.14	1.07		7	0.01	0.0							
16	TurkeyCreek	TurkeyCk	13580		2384	614.07	2.13		2389.88	614.07	2.14		6	0	0.0							
16	TurkeyCreek	TurkeyCk	13356		2381.75	614	2.14		2388.18	614	2.14		6	0	0.0							
16	TurkeyCreek	TurkeyCk	13150		2369.18	613.81	3.78		2374.54	613.82	3.79		5	0.01	0.0							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2328.87	613.52	4.16		2338.2	613.52	4.17		9	0	0.0							
16	TurkeyCreek	TurkeyCk	12967		2336	613.55	3.69		2345.11	613.56	3.7		9	0.01	0.0							
16	TurkeyCreek	TurkeyCk	12836		2333.69	613.53	2.84		2341.35	613.54	2.85		8	0.01	0.0							
16	TurkeyCreek	TurkeyCk	12718		2330.54	613.52	2.13		2337.04	613.52	2.14		7	0	0.0							
16	TurkeyCreek	TurkeyCk	12536		2327.01	613.5	1.65		2335.38	613.5	1.65		8	0	0.0							
16	TurkeyCreek	TurkeyCk	12244		2321.65	613.45	1.79		2328.41	613.45	1.79		7	0	0.0							
16	TurkeyCreek	TurkeyCk	11927		2312.77	613.38	2.03		2318.6	613.38	2.04		6	0	0.0							
16	TurkeyCreek	TurkeyCk	11687		2309.59	613.34	1.6		2313.52	613.34	1.61		4	0	0.0							
16	TurkeyCreek	TurkeyCk	11449		2304.93	613.3	1.48		2309.24	613.31	1.48		4	0.01	0.0							
16	TurkeyCreek	TurkeyCk	11232		2287.24	613.18	2.98		2294.39	613.18	2.99		7	0	0.0							
16	TurkeyCreek	TurkeyCk	11119		2269.41	613	3.77		2272.87	613	3.77		3	0	0.0							
16	TurkeyCreek	TurkeyCk	11013		2234.27	612.74	5.04		2237.75	612.74	5.05		3	0	0.0							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2182.43	612.42	5.64		2178.94	612.43	5.63		-3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	10905		2162.05	612.33	5.7		2164.84	612.33	5.71		3	0	0.0							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2153.87	612.3	4.08		2154.01	612.3	4.08		0	0	0.0							
16	TurkeyCreek	TurkeyCk	10552		2103.24	611.99	5.28		2106.3	611.99	5.29		3	0	0.0							
16	TurkeyCreek	TurkeyCk	10251		2099.77	611.92	1.17		2100.88	611.92	1.17		1	0	0.0							
16	TurkeyCreek	TurkeyCk	9979		2095.15	611.89	1.32		2094.03	611.89	1.31		-1	0	0.0							
16	TurkeyCreek	TurkeyCk	9783		2093.83	611.89	1.01		2094.09	611.89	1.01		0	0	0.0							
16	TurkeyCreek	TurkeyCk	9526		2082.42	611.83	1.92		2088.51	611.83	1.93		6	0	0.0							
16	TurkeyCreek	TurkeyCk	9168		2073.51	611.75	1.96		2079.68	611.75	1.97		6	0	0.0							
16	TurkeyCreek	TurkeyCk	8838		2073.87	611.72	0.97		2075.88	611.72	0.97		2	0	0.0							
16	TurkeyCreek	TurkeyCk	8503		2069.16	611.7	1.16		2070.65	611.7	1.16		1	0	0.0							
16	TurkeyCreek	TurkeyCk	8221		2070.59	611.69	1.02		2072.09	611.69	1.02		2	0	0.0							
16	TurkeyCreek	TurkeyCk	8013		2070.86	611.68	0.8		2068.23	611.69	0.8		-3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	7673		2069.25	611.67	1.05		2070.48	611.67	1.06		1	0	0.0							
16	TurkeyCreek	TurkeyCk	7223		2063.24	611.64	1.41		2063.3	611.64	1.41		0	0	0.0							
16	TurkeyCreek	TurkeyCk	6947		2062.19	611.6	1.76		2063.05	611.6	1.76		1	0	0.0							
16	TurkeyCreek	TurkeyCk	6829		2057.68	611.59	1.69		2058.31	611.59	1.69		1	0	0.0							
16	TurkeyCreek	TurkeyCk	6686		2050.8	611.5	2.6		2051.86	611.5	2.6		1	0	0.0	16	9	-3	0.01	0.00	0.0	0.0
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2046.25	611.48	2.03		2049.14	611.48	2.04		3	0	0.0							
9	TurkeyCreek	TurkeyCk	6407		2050.16	611.46	1.43		2047.35	611.46	1.43		-3	0	0.0							
9	TurkeyCreek	TurkeyCk	6204		2041.33	611.41	2.01		2040.52	611.41	2.01		-1	0	0.0							
9	TurkeyCreek	TurkeyCk	5151		2021.8	611.22	0.68		2021.76	611.22	0.68		0	0	0.0							
9	TurkeyCreek	TurkeyCk	2193		2014.66	611.14	0.51		2014.43	611.14	0.51		0	0	0.0							
9	TurkeyCreek	TurkeyCk	500		2154.98	611.12	0.29		2156.35	611.12	0.29		1	0	0.0							
9	TurkeyCreek	TurkeyCk	50		2155.22	611.12	0.39		2156.62	611.12	0.39		1	0	0.0	9	3	-3	0.00	0.00	0.0	0.0
2	LCal	LCal	2575		153.96	595.19	0.06		153.18	595.19	0.06		-1	0	0.0							
2	LCal	LCal	2359		152.17	595.19	0.05		152.79	595.19	0.05		1	0	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.96	595.19	0.05		152.87	595.19	0.05		-1	0	0.0							
2	LCal	LCal	2172		152.27	595.19	0.05		152.59	595.19	0.05		0	0	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.16	595.15	0.09		116.51	595.15	0.09		0	0	0.0							
2	LCal	LCal	1559		115.79	595.15	0.1		115.93	595.15	0.1		0	0	0.0							
2	LCal	LCal	1414		116.6	595.15	0.15		118.35	595.15	0.15		2	0	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		103.3	595.12	0.09		101.43	595.12	0.09		-2	0	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		149.16	595.12	0.17		146.34	595.12	0.16		-3	0	0.0							
2	LCal	LCal	173		179.45	595.11	0.23		180.76	595.12	0.24		1	0.01	0.0	2	2	-3	0.01	0.00	0.0	0.0
21	Duck Ck	DuckCk	20671		428.88	616.21	1.74		428.88	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.87	616.04	1.97		428.89	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.89	615.82	2.37		428.87	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.87	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.87	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.84	615.12	1.81		428.83	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.86	614.9	2		428.85	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.74	614.07	2.04		428.76	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.75	613.87	1.73		428.7	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.45	613.22	2.37		428.46	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.95	612.74	1.96		427.95	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		427.1	612.26	1.91		426.96	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.6	612.12	1.37		426.73	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.29	611.94	1.51		426.27	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		425.86	611.82	1.43		425.86	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.72	611.74	1.01		425.76	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.44	611.62	1.92		425.52	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.85	611.21	2.51		423.86	611.21	2.51		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.28	611.09	1.98		423.06	611.09	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15534		422.04	610.86	1.98		421.68	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.33	610.72	1.29		421.47	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		420.77	610.62	1.32		420.75	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.67	610.58	0.84		420.74	610.58	0.84		0	0	0.0							
21	Duck Ck	DuckCk	14584		420.6	610.54	0.85		420.47	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.31	610.51	0.85		420.26	610.51	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14091		420.2	610.41	1.56		419.97	610.41	1.56		0	0	0.0	21	0	0	0.00	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.55	610	1.62		419.45	610	1.62		0	0	0.0							
20	Duck Ck	DuckCk	13704		419.02	609.87	1.44		418.82	609.87	1.44		0	0	0.0							
20	Duck Ck	DuckCk	13464		418.41	609.77	1.27		418.57	609.77	1.27		0	0	0.0							
20	Duck Ck	DuckCk	13279		418.19	609.73	0.78		418.26	609.73	0.78		0	0	0.0							
20	Duck Ck	DuckCk	12964		581.93	609.68	1.04		581.23	609.68	1.04		-1	0	0.0							
20	Duck Ck	DuckCk	12613		580.69	609.61	1.05		580.51	609.61	1.05		0	0	0.0							
20	Duck Ck	DuckCk	12306		583.34	609.57	0.78		583.38	609.57	0.78		0	0	0.0							
20	Duck Ck	DuckCk	11932		587.1	609.52	0.9		586.84	609.52	0.9		0	0	0.0							
20	Duck Ck	DuckCk	11876		587.47	609.5	1.15		587.19	609.51	1.15		0	0.01	0.0							
20	Duck Ck	DuckCk	11801		587.96	609.5	0.86		588.01	609.5	0.86		0	0	0.0							
20	Duck Ck	DuckCk	11485		590.63	609.47	0.8		590.62	609.47	0.8		0	0	0.0							
20	Duck Ck	DuckCk	10998		595.56	609.41	0.95		595.66	609.42	0.95		0	0.01	0.0							
20	Duck Ck	DuckCk	10813		597.07	609.4	0.72		597.27	609.4	0.72		0	0	0.0							
20	Duck Ck	DuckCk	10553		599.39	609.38	0.77		599.57	609.38	0.77		0	0	0.0							
20	Duck Ck	DuckCk	10293		601.52	609.36	0.84		601.9	609.36	0.84		0	0	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		601.83	609.34	0.68		601.68	609.34	0.68		0	0	0.0							
20	Duck Ck	DuckCk	9854		606.13	609.31	0.77		605.89	609.31	0.77		0	0	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		609.94	609.28	0.8		0	0	0.0							
20	Duck Ck	DuckCk	9287		612.43	609.27	0.56		612.16	609.27	0.56		0	0	0.0							
20	Duck Ck	DuckCk	9053		614.58	609.26	0.7		614.43	609.26	0.7		0	0	0.0							
20	Duck Ck	DuckCk	8833		617.05	609.25	0.62		616.71	609.25	0.62		0	0	0.0							
20	Duck Ck	DuckCk	8619		820.47	609.22	1.03		820.08	609.22	1.03		0	0	0.0							
20	Duck Ck	DuckCk	8373		823.32	609.2	0.55		823.06	609.2	0.55		0	0	0.0							
20	Duck Ck	DuckCk	8099		826.08	609.2	0.36		825.65	609.2	0.36		0	0	0.0							
20	Duck Ck	DuckCk	7623		828.65	609.19	0.43		829.36	609.19	0.43		1	0	0.0							
20	Duck Ck	DuckCk	7254		832.96	609.18	0.56		833.1	609.18	0.56		0	0	0.0							
20	Duck Ck	DuckCk	6856		836.61	609.17	0.46		836.93	609.17	0.46		0	0	0.0							
20	Duck Ck	DuckCk	6359		841.68	609.15	0.73		841.93	609.15	0.73		0	0	0.0							
20	Duck Ck	DuckCk	6163		843.47	609.14	0.6		843.64	609.14	0.6		0	0	0.0							
20	Duck Ck	DuckCk	5848		848.33	609.13	0.27		848.14	609.14	0.27		0	0.01	0.0							
20	Duck Ck	DuckCk	5638		852.04	609.13	0.37		851.74	609.13	0.37		0	0	0.0							
20	Duck Ck	DuckCk	5361		854.72	609.12	0.77		854.69	609.12	0.77		0	0	0.0							
20	Duck Ck	DuckCk	4639		862.05	609.1	0.43		862.06	609.1	0.43		0	0	0.0							
20	Duck Ck	DuckCk	4257		866.35	609.1	0.42		866.66	609.1	0.42		0	0	0.0							
20	Duck Ck	DuckCk	4109		868.43	609.09	0.35		868.52	609.09	0.35		0	0	0.0							
20	Duck Ck	DuckCk	3892		869.9	609	2.63		869.98	609.01	2.63		0	0.01	0.0	20	1	-1	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		865.72	608.54	2.7		865.9	608.54	2.7		0	0	0.0							
19	Duck Ck	DuckCk	3668		868.14	608.57	0.77		867.28	608.58	0.76		-1	0.01	0.0							
19	Duck Ck	DuckCk	3440		870.56	608.57	0.5		869.67	608.57	0.5		-1	0	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		721.69	606.85	2.03		721.57	606.86	2.03		0	0.01	0.0							
19	Duck Ck	DuckCk	3342		719.57	606.75	3.38		720.91	606.75	3.39		1	0	0.0	19	1	-1	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.35	606.05	4.12		682.66	606.05	4.13		1	0	0.0							
18	Duck Ck	DuckCk	3203		686.78	606.17	1.57		687.66	606.17	1.57		1	0	0.0							
18	Duck Ck	DuckCk	3126		687.25	606.16	1.03		688.27	606.16	1.03		1	0	0.0							
18	Duck Ck	DuckCk	2965		688.11	606.13	1.01		688.97	606.13	1.01		1	0	0.0							
18	Duck Ck	DuckCk	2849		688.83	606.11	0.99		689.48	606.11	0.99		1	0	0.0							
18	Duck Ck	DuckCk	2794		688.17	606.1	1.03		688.51	606.1	1.03		0	0	0.0							
18	Duck Ck	DuckCk	2687		689.3	606.09	0.88		689.78	606.09	0.88		0	0	0.0							
18	Duck Ck	DuckCk	2524		689.6	606.07	0.89		690.76	606.08	0.9		1	0.01	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.21	606.06	0.85		690.47	606.06	0.85		2	0	0.0							
18	Duck Ck	DuckCk	2183		690.38	606.04	0.92		691.12	606.04	0.92		1	0	0.0							
18	Duck Ck	DuckCk	2053		691.18	606.01	0.87		692.49	606.01	0.87		1	0	0.0							
18	Duck Ck	DuckCk	1765		691.13	605.96	1.13		691.48	605.97	1.13		0	0.01	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		667.65	605.48	0.88		668.14	605.48	0.88		0	0	0.0							
18	Duck Ck	DuckCk	1358		669.04	605.47	0.81		668.63	605.47	0.81		0	0	0.0							
18	Duck Ck	DuckCk	960		672.45	605.45	0.5		672.64	605.45	0.5		0	0	0.0							
18	Duck Ck	DuckCk	792		672.7	605.45	0.36		673.81	605.45	0.36		1	0	0.0							
18	Duck Ck	DuckCk	572		673.06	605.41	1.3		673.55	605.41	1.3		0	0	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		666.22	605.31	0.97		666.14	605.31	0.97		0	0	0.0							
18	Duck Ck	DuckCk	264		665.71	605.31	0.79		668.68	605.31	0.79		3	0	0.0	18	3	0	0.01	0.00	0.0	0.0
15	Deep	JSLakeGeorg	124902		114.79	687.36	0.47		114.52	687.36	0.47		0	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.76	687.29	0.76		201.79	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.33	687.23	0.65		153.27	687.23	0.65		0	0	0.0							
15	Deep	JSLakeGeorg	123542		152.88	687.19	0.71		152.94	687.19	0.71		0	0	0.0							
15	Deep	JSLakeGeorg	123075		124.64	687.15	0.55		124.51	687.15	0.55		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.12	687.14	0.09		53.26	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.97	687.14	0.08		44.03	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.98	687.13	0.1		43.88	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.06	687.13	0.11		44.99	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.21	687.13	0.17		45.18	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.39	687.13	0.17		40.48	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.5	687.12	0.17		40.43	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.25	687.11	0.6		248.2	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.28	687.08	1.04		248.28	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	120543		165.62	687.09	0.58		165.63	687.09	0.58		0	0	0.0							
15	Deep	JSLakeGeorg	120117		165.53	687.04	0.73		165.62	687.04	0.73		0	0	0.0							
15	Deep	JSLakeGeorg	119813		166.33	687.01	0.57		166.41	687.01	0.57		0	0	0.0							
15	Deep	JSLakeGeorg	119448		230.21	686.93	0.95		229.63	686.93	0.95		-1	0	0.0							
15	Deep	JSLakeGeorg	119071		263.17	686.81	1.11		263.47	686.81	1.11		0	0	0.0							
15	Deep	JSLakeGeorg	118751		262.93	686.71	1.13		263.55	686.71	1.13		1	0	0.0							
15	Deep	JSLakeGeorg	118584		262.56	686.64	1.21		262.81	686.64	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	118525		262.81	686.62	1.19		262.33	686.62	1.19		0	0	0.0							
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	118358		269.55	686.57	1.08		270.08	686.57	1.08		1	0	0.0							
15	Deep	JSLakeGeorg	117980		270	686.47	1.03		269.55	686.47	1.02		0	0	0.0							
15	Deep	JSLakeGeorg	117631		268.77	686.35	1.15		267.85	686.35	1.15		-1	0	0.0							
15	Deep	JSLakeGeorg	117334		266.03	686.26	0.99		266.86	686.26	0.99		1	0	0.0							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		259.85	686.14	1.2		0	0	0.0							
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116736		253.3	686.04	1.12		253.11	686.04	1.12		0	0	0.0							
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116585		246.84	685.95	1.36		247.33	685.95	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	116289		232.81	685.83	1.01		233.4	685.83	1.02		1	0	0.0							
15	Deep	JSLakeGeorg	115998		220.85	685.74	1.07		220.82	685.74	1.07		0	0	0.0							
15	Deep	JSLakeGeorg	115832		218.18	685.71	0.89		219.03	685.71	0.89		1	0	0.0							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.34	685.71	0.77		217.42	685.71	0.77		-1	0	0.0							
15	Deep	JSLakeGeorg	115310		212.9	685.66	0.81		213.56	685.66	0.82		1	0	0.0							
15	Deep	JSLakeGeorg	114871		279.53	685.57	0.95		279.03	685.57	0.95		-1	0	0.0							
15	Deep	JSLakeGeorg	114397		277.19	685.47	1		277.47	685.47	1		0	0	0.0							
15	Deep	JSLakeGeorg	113918		328.96	685.23	1.47		328.97	685.23	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	113720		331.99	685.14	1.35		332.59	685.14	1.35		1	0	0.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.18	685.1	1.28		332.13	685.1	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	113233		338.53	684.98	1.92		338.37	684.98	1.92		0	0	0.0							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.75	684.94	1.46		338.7	684.94	1.46		0	0	0.0							
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	112472		353.56	684.83	1.44		352.96	684.83	1.44		-1	0	0.0							
15	Deep	JSLakeGeorg	111932		366.95	684.6	1.49		366.74	684.6	1.49		0	0	0.0							
15	Deep	JSLakeGeorg	111538		376.14	684.37	1.48		376.19	684.37	1.48		0	0	0.0							
15	Deep	JSLakeGeorg	111058		387.11	684.02	1.58		386.94	684.02	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110793		394.44	683.88	1.05		394.63	683.88	1.05		0	0	0.0							
15	Deep	JSLakeGeorg	110465		404.49	683.71	1.47		404.48	683.71	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	110181		413.37	683.58	1.58		412.85	683.58	1.58		-1	0	0.0							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.16	683.58	1.4		412.85	683.58	1.4		0	0	0.0							
15	Deep	JSLakeGeorg	110128		412.96	683.58	1.41		412.99	683.58	1.41		0	0	0.0							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.23	683.57	1.24		412.99	683.57	1.24		0	0	0.0							
15	Deep	JSLakeGeorg	109523		429.26	683.42	1.34		428.56	683.42	1.34		-1	0	0.0							
15	Deep	JSLakeGeorg	109022		444.09	683.24	1.22		444.39	683.24	1.22		0	0	0.0							
15	Deep	JSLakeGeorg	108612		457.21	683.03	1.61		456.99	683.03	1.61		0	0	0.0							
15	Deep	JSLakeGeorg	108112		473.08	682.77	1.38		473.14	682.77	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107495		492.92	682.54	1.38		492.87	682.54	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107156		503.53	682.42	1.36		503.73	682.42	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	106585		503.67	682.3	0.91		503.66	682.3	0.91		0	0	0.0							
15	Deep	JSLakeGeorg	106334		503.47	682.22	1.27		503.46	682.22	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	105956		503.59	682.09	1.28		503.52	682.09	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	105573		503.44	681.91	1.59		503.45	681.91	1.59		0	0	0.0							
15	Deep	JSLakeGeorg	105254		561.18	681.84	0.88		561.1	681.84	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		560.79	681.63	0.99		561.1	681.63	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	104691		560.96	681.58	1.16		561.11	681.58	1.16		0	0	0.0							
15	Deep	JSLakeGeorg	104222		560.77	681.46	1.28		560.23	681.46	1.28		-1	0	0.0							
15	Deep	JSLakeGeorg	104061		560.3	681.42	1.39		560	681.42	1.39		0	0	0.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		560.56	680.91	1.36		560	680.91	1.36		-1	0	0.0							
15	Deep	JSLakeGeorg	103528		560.15	680.78	1.54		560.25	680.78	1.54		0	0	0.0							
15	Deep	JSLakeGeorg	103234		559.57	680.69	1.21		560.02	680.69	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	102805		644.35	680.51	1.65		644.37	680.51	1.65		0	0	0.0							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.65	680.28	2.03		0	0	0.0							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.65	679.44	1.79		644.36	679.44	1.79		0	0	0.0							
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	101538		644.07	679.05	2.2		644.3	679.05	2.2		0	0	0.0							
15	Deep	JSLakeGeorg	100981		643.16	678.5	1.95		643.18	678.5	1.95		0	0	0.0							
15	Deep	JSLakeGeorg	100383		359.78	678.32	0.79		359.63	678.32	0.79		0	0	0.0							
15	Deep	JSLakeGeorg	99713		355.17	678.24	0.85		354.74	678.24	0.85		0	0	0.0							
15	Deep	JSLakeGeorg	99064		411.84	678.16	0.93		411.77	678.16	0.93		0	0	0.0							
15	Deep	JSLakeGeorg	98521		315.74	678.12	0.64		315.58	678.12	0.64		0	0	0.0							
15	Deep	JSLakeGeorg	97818		917.11	677.96	1.87		917.46	677.96	1.87		0	0	0.0	15	1	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.52	677.53	1.88		918.1	677.53	1.88		1	0	0.0							
14	Deep	JSLakeGeorg	96861		917.41	677.47	0.91		917.62	677.47	0.91		0	0	0.0							
14	Deep	JSLakeGeorg	96112		1063.92	677.21	1.53		1063.56	677.21	1.53		0	0	0.0							
14	Deep	JSLakeGeorg	95541		1059.05	676.7	2.46		1059.78	676.7	2.46		1	0	0.0							
14	Deep	JSLakeGeorg	95034		943.1	676.3	1.9		942.69	676.3	1.89		0	0	0.0							
14	Deep	JSLakeGeorg	94436		914.36	675.88	2.16		913.5	675.88	2.16		-1	0	0.0							
14	Deep	JSLakeGeorg	93802		877.37	675.55	1.71		877.77	675.55	1.71		0	0	0.0							
14	Deep	JSLakeGeorg	93297		868.85	675.38	1.26		868.73	675.38	1.26		0	0	0.0							
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	JSLakeGeorg	92606		1130.83	675.17	1.37		1130.86	675.17	1.37		0	0	0.0							
14	Deep	JSLakeGeorg	91967		1130.9	675.04	1.34		1131	675.04	1.34		0	0	0.0							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.11	674.92	1.96		1131.09	674.92	1.96		0	0	0.0							
14	Deep	JSLakeGeorg	91400		1135.08	674.67	2.15		1135.26	674.67	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	90843		1141.04	674.47	0.81		1141.06	674.47	0.81		0	0	0.0							
14	Deep	JSLakeGeorg	90268		1147.05	674.24	1.86		1147.11	674.24	1.86		0	0	0.0							
14	Deep	JSLakeGeorg	89708		1152.99	673.92	1.98		1152.87	673.92	1.98		0	0	0.0							
14	Deep	JSLakeGeorg	89139		1159.16	673.73	1.4		1159.24	673.73	1.4		0	0	0.0							
14	Deep	JSLakeGeorg	88645		1164.31	673.51	1.74		1164.33	673.51	1.74		0	0	0.0							
14	Deep	JSLakeGeorg	88132		1169.51	673.19	2.15		1169.56	673.19	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	87170		1179.73	672.56	2.05		1179.44	672.56	2.05		0	0	0.0							
14	Deep	JSLakeGeorg	86814		1183.27	672.29	2.3		1183.38	672.29	2.3		0	0	0.0							
14	Deep	JSLakeGeorg	86497		1187.07	672.16	1.27		1186.9	672.16	1.27		0	0	0.0							
14	Deep	JSLakeGeorg	86248		1189.72	671.99	2.15		1189.84	671.99	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	85858		1193.81	671.66	2.23		1193.74	671.66	2.23		0	0	0.0							
14	Deep	JSLakeGeorg	85406		1198.25	671.33	2.19		1198.23	671.33	2.19		0	0	0.0							

14	Deep	JSLakeGeorg	84957		1202.56	670.93	2.57		1202.56	670.93	2.57		0	0	0.0						
14	Deep	JSLakeGeorg	84375		1208.14	670.3	3		1208.16	670.3	3		0	0	0.0						
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0						
14	Deep	JSLakeGeorg	84262		1208.32	670.19	3.16		1208.31	670.19	3.16		0	0	0.0						
14	Deep	JSLakeGeorg	83723		1213.73	669.85	1.84		1213.97	669.85	1.84		0	0	0.0						
14	Deep	JSLakeGeorg	83093		1220.07	669.47	1.73		1220.44	669.47	1.73		0	0	0.0						
14	Deep	JSLakeGeorg	82750		1223.88	669.28	1.85		1223.77	669.28	1.85		0	0	0.0						
14	Deep	JSLakeGeorg	82364		1227.46	669.04	2.03		1227.6	669.04	2.03		0	0	0.0						
14	Deep	JSLakeGeorg	81844		1232.92	668.84	1		1232.97	668.84	1		0	0	0.0						
14	Deep	JSLakeGeorg	81294		1238.48	668.73	0.97		1238.44	668.73	0.97		0	0	0.0						
14	Deep	JSLakeGeorg	80717		1244.73	668.43	2.09		1244.75	668.43	2.09		0	0	0.0						
14	Deep	JSLakeGeorg	80186		1250.43	668.03	2.33		1250.29	668.03	2.33		0	0	0.0						
14	Deep	JSLakeGeorg	79604		1256.32	667.68	2.06		1255.9	667.68	2.06		0	0	0.0						
14	Deep	JSLakeGeorg	79148		1260.43	667.42	1.93		1260.25	667.42	1.93		0	0	0.0						
14	Deep	JSLakeGeorg	78803		1259.77	667.15	2.47		1259.67	667.15	2.47		0	0	0.0						
14	Deep	JSLakeGeorg	78407		1257.74	666.87	2.22		1257.78	666.87	2.22		0	0	0.0	14	1	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	78285		1256.71	666.7	2.7		1257.07	666.7	2.7		0	0	0.0						
13	Deep	JSLakeGeorg	77848		1253.86	666.44	2.12		1253.08	666.44	2.12		-1	0	0.0						
13	Deep	JSLakeGeorg	77566		1250.02	666.25	1.96		1249.12	666.25	1.96		-1	0	0.0						
13	Deep	JSLakeGeorg	77073		1436.84	665.89	2.03		1436.68	665.89	2.03		0	0	0.0						
13	Deep	JSLakeGeorg	76478		1436.62	665.58	1.69		1436.67	665.58	1.69		0	0	0.0						
13	Deep	JSLakeGeorg	76044		1440.1	665.45	1.36		1440.05	665.45	1.36		0	0	0.0						
13	Deep	JSLakeGeorg	75777		1442.35	665.35	1.64		1442.51	665.35	1.64		0	0	0.0						
13	Deep	JSLakeGeorg	75408		1445.34	665.22	1.44		1445.17	665.22	1.44		0	0	0.0						
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	75316		1445.33	665.16	1.42		1445.47	665.16	1.42		0	0	0.0						
13	Deep	JSLakeGeorg	74938		1449.01	664.88	2.42		1449.03	664.88	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.6	664.6	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74229		1434.92	664.37	1.72		1435.01	664.37	1.72		0	0	0.0						
13	Deep	JSLakeGeorg	73723		1434.41	663.89	2.84		1434.47	663.89	2.84		0	0	0.0						
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0						
13	Deep	JSLakeGeorg	73616		1331.59	663.83	2.5		1331.37	663.83	2.5		0	0	0.0						
13	Deep	JSLakeGeorg	73500		1326.73	663.76	2.34		1326.68	663.76	2.34		0	0	0.0						
13	Deep	JSLakeGeorg	72900		1516.72	663.16	2.1		1516.59	663.16	2.1		0	0	0.0						
13	Deep	JSLakeGeorg	72028		1516.68	662.28	2.53		1516.58	662.28	2.53		0	0	0.0						
13	Deep	JSLakeGeorg	71320		1516.35	661.73	1.46		1516.41	661.73	1.46		0	0	0.0						
13	Deep	JSLakeGeorg	71053		1516.58	661.62	2.25		1516.43	661.62	2.25		0	0	0.0						
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	70937		1516.43	661.38	3.21		1516.49	661.38	3.21		0	0	0.0						
13	Deep	JSLakeGeorg	70139		1516.03	660.86	1.97		1515.92	660.86	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	69435		1515.86	660.28	0.95		1515.66	660.28	0.95		0	0	0.0						
13	Deep	JSLakeGeorg	68193		1513.92	659.83	1.55		1514.33	659.83	1.55		0	0	0.0						
13	Deep	JSLakeGeorg	66864		1740.55	659.03	1.81		1740.33	659.03	1.81		0	0	0.0						
13	Deep	JSLakeGeorg	66388		1751.33	658.65	1.7		1751.26	658.65	1.7		0	0	0.0						
13	Deep	JSLakeGeorg	65488		1768.35	657.5	2.69		1768.16	657.5	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	64654		1782.81	656.2	2.21		1782.8	656.2	2.21		0	0	0.0						
13	Deep	JSLakeGeorg	63857		1799.25	655.26	1.78		1799.07	655.26	1.78		0	0	0.0						
13	Deep	JSLakeGeorg	63247		1811.34	654.81	1.59		1811.32	654.81	1.59		0	0	0.0						
13	Deep	JSLakeGeorg	62532		1824.5	654.54	0.65		1824.4	654.54	0.65		0	0	0.0						
13	Deep	JSLakeGeorg	62169		1833.49	654.35	3.23		1833.39	654.35	3.23		0	0	0.0						
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	62050		1833.84	654.31	3.2		1833.88	654.31	3.2		0	0	0.0						
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.34	654.04	1.91		0	0	0.0						
13	Deep	JSLakeGeorg	61270		1850.35	653.64	1.97		1850.37	653.64	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	61156		1853.54	653.47	1.88		1853.57	653.47	1.88		0	0	0.0						
13	Deep	JSLakeGeorg	60978		1859.06	653.25	1.52		1858.98	653.25	1.52		0	0	0.0						
13	Deep	JSLakeGeorg	60509		1870.12	652.75	2.02		1870.16	652.75	2.02		0	0	0.0						
13	Deep	JSLakeGeorg	59758		1882.58	651.82	2.43		1882.61	651.82	2.43		0	0	0.0						
13	Deep	JSLakeGeorg	58574		1899.01	650.7	1.92		1899.15	650.7	1.92		0	0	0.0						
13	Deep	JSLakeGeorg	57350		1918.42	649.76	2.04		1918.59	649.76	2.04		0	0	0.0						
13	Deep	JSLakeGeorg	56397		1935.83	648.74	2.2		1935.9	648.74	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	55724		1950.37	648.02	1.68		1950.43	648.02	1.68		0	0	0.0						
13	Deep	JSLakeGeorg	54755		1966.58	647.32	1.87		1966.48	647.32	1.87		0	0	0.0						
13	Deep	JSLakeGeorg	53123		1988.13	646.51	1.51		1988.13	646.51	1.51		0	0	0.0						
13	Deep	JSLakeGeorg	52077		2007.42	646.08	1.37		2007.21	646.08	1.37		0	0	0.0						
13	Deep	JSLakeGeorg	51203		2023.9	645.49	2.18		2023.78	645.49	2.18		0	0	0.0						
13	Deep	JSLakeGeorg	50734		2021.64	645.02	2.05		2021.63	645.02	2.05		0	0	0.0						
13	Deep	JSLakeGeorg	50234		2307.04	644.53	2.58		2307.11	644.53	2.58		0	0	0.0						
13	Deep	JSLakeGeorg	49556		2306.73	643.78	2.12		2306.72	643.78	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	48301		2306.18	642.98	1.76		2306.53	642.98	1.76		0	0	0.0						
13	Deep	JSLakeGeorg	47270		2306.29	642.25	2.2		2306.15	642.25	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	46606		2306.09	641.69	3.42		2306.09	641.69	3.42		0	0	0.0	13	0	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	46376		2305.87	641.2	3.33		2305.96	641.2	3.33		0	0	0.0						
12	Deep	JSLakeGeorg	45906		2305.94	640.92	2.11		2305.87	640.92	2.11		0	0	0.0						
12	Deep	JSLakeGeorg	45247		2313.8	639.84	2.9		2313.88	639.84	2.9		0	0	0.0						
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.71	638.7	3.02		0	0	0.0						
12	Deep	JSLakeGeorg	44232		2325.24	637.66	3.2		2325.39	637.66	3.2		0	0	0.0						
12	Deep	JSLakeGeorg	43908		2329.98	637	3.76		2329.85	637	3.76		0	0	0.0						
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43837		2329.73	636.63	5.07		2329.94	636.63	5.07		0	0	0.0						
12	Deep	JSLakeGeorg	43461		2334.32	636.09	5.08		2334.46	636.09	5.09		0	0	0.0						
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43390		2334.85	636.08	4.73		2334.46	636.08	4.73		0	0	0.0						
12	Deep	JSLakeGeorg	43242		2335.65	635.82	3.65		2335.69	635.82	3.65		0	0	0.0						
12	Deep	JSLakeGeorg	43046		2337.42	635.29	3.07		2337.46	635.29	3.07		0	0	0.0						
12	Deep	JSLakeGeorg	43012		2338.64	635.12	4.42		2338.33	635.12	4.42		0	0	0.0						
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	42973		2338.87	635.12	3.42		2338.55	635.12	3.42		0	0	0.0						
12	Deep	JSLakeGeorg	42477		2340.97	634.79	2.45		2340.66	634.79	2.45		0	0	0.0						
12	Deep	JSLakeGeorg	41418		2351.52	634.04	0.56		2351.56	634.04	0.56		0	0	0.0						
12	Deep	JSLakeGeorg	39881		2362.67	633.36	2.16		2362.65	633.36	2.16		0	0	0.0						
12	Deep	JSLakeGeorg	39554		2366.81	633.04	1.62		2366.63	633.04	1.62		0	0	0.0						
12	Deep	JSLakeGeorg	38999		2371.85	632.77	1.67		2371.72	632.77	1.67		0	0	0.0						
12	Deep	JSLakeGeorg	38116		2379.44	632.39	1.57		2379.4	632.39	1.57		0	0	0.0						
12	Deep	JSLakeGeorg	37703		2384.8	632.03	4.29		2384.8	632.03	4.29		0	0	0.0						
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0						
12	Deep	JSLakeGeorg	37554		2384.27	629.91	4.81		2384.13	629.91	4.81		0	0	0.0						
12	Deep	JSLakeGeorg	36999		2391.12	629.33	2.2		2391.08	629.33	2.2		0	0	0.0						
12	Deep	JSLakeGeorg	36181		2399.5	628.19	2.31		2399.57	628.19	2.31		0	0	0.0						
12	Deep	JSLakeGeorg	35034		2406.95	627.21	2.07		2406.79	627.21	2.07		0	0	0.0						
12	Deep	JSLakeGeorg	34012		2414.9	626.27	2.17		2415.09	626.27	2.17		0	0	0.0						
12	Deep	JSLakeGeorg	33338		2421.95	625.71	1.52		2422.09	625.71	1.52		0	0	0.0						
12	Deep	JSLakeGeorg	32345		2429.09	625.16	2.88		2429.36	625.16	2.88		0	0	0.0						
12	Deep	JSLakeGeorg	31526		2438.72	624.62	3.12		2438.75	624.62	3.12		0	0	0.0						
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0						

12	Deep	USLakeGeorg	31444		2438.63	624.18	4.62		2438.62	624.18	4.62		0	0	0.0							
12	Deep	USLakeGeorg	30859		2444.67	623.78	1.85		2445.13	623.78	1.85		0	0	0.0							
12	Deep	USLakeGeorg	30141		2451.98	623.29	1.41		2451.94	623.29	1.41		0	0	0.0							
12	Deep	USLakeGeorg	28772		2464.34	622.22	1.84		2464.04	622.22	1.84		0	0	0.0							
12	Deep	USLakeGeorg	27969		2471.72	621.45	1.72		2471.61	621.45	1.72		0	0	0.0							
12	Deep	USLakeGeorg	26706		2478.1	620.78	1.73		2478.34	620.78	1.73		0	0	0.0							
12	Deep	USLakeGeorg	25820		2483.58	620.3	1.61		2483.49	620.3	1.61		0	0	0.0							
12	Deep	USLakeGeorg	24753		2490.4	619.7	1.79		2490.29	619.7	1.79		0	0	0.0							
12	Deep	USLakeGeorg	24277		2494.64	619.37	1.56		2493.8	619.37	1.56		-1	0	0.0							
12	Deep	USLakeGeorg	23302		2502.89	618.89	1.36		2502.62	618.89	1.36		0	0	0.0							
12	Deep	USLakeGeorg	22507		2510.48	618.56	1.37		2510.5	618.56	1.37		0	0	0.0							
12	Deep	USLakeGeorg	21518		2518.26	618.09	1.86		2517.93	618.09	1.86		0	0	0.0							
12	Deep	USLakeGeorg	20795		2524.78	617.62	1.51		2524.9	617.62	1.51		0	0	0.0							
12	Deep	USLakeGeorg	20086		2532.31	617.28	1.61		2532.31	617.28	1.61		0	0	0.0							
12	Deep	USLakeGeorg	19928		2533.96	617.21	1.54		2534.22	617.21	1.54		0	0	0.0							
12	Deep	USLakeGeorg	19407		2538.86	616.99	3.49		2539.24	616.99	3.49		0	0	0.0	12	0	-1	0.00	0.00	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0							
11	Deep	USLakeGeorg	19273		2540.3	616.97	3.07		2540.32	616.97	3.07		0	0	0.0							
11	Deep	USLakeGeorg	18982		2543.99	616.88	1.61		2542.66	616.88	1.6		-1	0	0.0							
11	Deep	USLakeGeorg	18179		2550.73	616.43	1.96		2551.07	616.43	1.96		0	0	0.0							
11	Deep	USLakeGeorg	16616		2561.57	615.44	2.06		2562.97	615.44	2.06		1	0	0.0							
11	Deep	USLakeGeorg	16067		2561.49	615.05	1.29		2561.48	615.05	1.29		0	0	0.0							
11	Deep	USLakeGeorg	15127		2560.91	614.79	1.18		2560.77	614.79	1.18		0	0	0.0							
11	Deep	USLakeGeorg	14039		2561	614.48	1.27		2561.3	614.48	1.27		0	0	0.0							
11	Deep	USLakeGeorg	12507		2561.33	614.08	1.39		2561.28	614.08	1.39		0	0	0.0							
11	Deep	USLakeGeorg	11631		2850.66	613.9	0.72		2851.75	613.9	0.73		1	0	0.0							
11	Deep	USLakeGeorg	10855		2850.29	613.75	1.05		2850.82	613.75	1.05		1	0	0.0							
11	Deep	USLakeGeorg	9782		2850.04	613.47	2.87		2850.45	613.47	2.87		0	0	0.0	11	1	-1	0.00	0.00	0.0	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0							
10	Deep	USLakeGeorg	9630		2850.04	613.26	2.83		2850.77	613.26	2.83		1	0	0.0							
10	Deep	USLakeGeorg	9188		2850.25	613.18	1.46		2850.55	613.18	1.46		0	0	0.0							
10	Deep	USLakeGeorg	8897		2849.49	613.11	0.81		2850.9	613.11	0.81		1	0	0.0							
10	Deep	USLakeGeorg	8295		2850.49	612.98	1.66		2850.62	612.98	1.66		0	0	0.0							
10	Deep	USLakeGeorg	8102		2886.72	612.88	1		2887.95	612.88	1.01		1	0	0.0							
10	Deep	USLakeGeorg	7054		2887.31	612.57	1.92		2887.71	612.58	1.92		0	0.01	0.0							
10	Deep	USLakeGeorg	6756		2886.75	612.37	1.41		2887.87	612.37	1.41		1	0	0.0							
10	Deep	USLakeGeorg	6208		2886.93	612.09	1.76		2887.41	612.09	1.76		0	0	0.0							
10	Deep	USLakeGeorg	5892		2886.79	611.97	1.73		2887.52	611.97	1.73		1	0	0.0							
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0							
10	Deep	USLakeGeorg	5782		2887.38	611.88	2.03		2887.31	611.88	2.03		0	0	0.0							
10	Deep	USLakeGeorg	5461		2886.67	611.83	1.11		2887.4	611.83	1.11		1	0	0.0							
10	Deep	USLakeGeorg	5071		2887.09	611.76	0.87		2886.39	611.76	0.87		-1	0	0.0							
10	Deep	USLakeGeorg	4635		2886.31	611.7	1.39		2886.83	611.7	1.39		1	0	0.0							
10	Deep	USLakeGeorg	3552		2885.42	611.57	0.92		2886.05	611.57	0.92		1	0	0.0							
10	Deep	USLakeGeorg	2936		2886.32	611.49	1.03		2883.91	611.49	1.03		-2	0	0.0							
10	Deep	USLakeGeorg	1907		2882.89	611.38	1.52		2883.75	611.38	1.52		1	0	0.0							
10	Deep	USLakeGeorg	1253		2883.21	611.23	1.3		2883.43	611.23	1.3		0	0	0.0							
10	Deep	USLakeGeorg	620		2880.81	611.15	1.69		2881.06	611.15	1.69		0	0	0.0	10	1	-2	0.01	0.00	0.0	0.0
9	Deep	USDuck	75919.1		5039.01	611.03	2.17		5040.09	611.03	2.17		1	0	0.0							
9	Deep	USDuck	75919		5039.19	611.03	2.17		5040.06	611.03	2.17		1	0	0.0							
9	Deep	USDuck	74577		5044.4	610.97	0.59		5045.23	610.97	0.59		1	0	0.0							
9	Deep	USDuck	73646		5047.21	610.96	0.5		5048.52	610.96	0.5		1	0	0.0							
9	Deep	USDuck	73085		5050.26	610.96	0.55		5052.94	610.96	0.55		3	0	0.0							
9	Deep	USDuck	72588		5052.92	610.95	0.79		5055.5	610.95	0.79		3	0	0.0							
9	Deep	USDuck	72272		5054.77	610.89	1.98		5055.74	610.89	1.98		1	0	0.0	9	3	1	0.00	0.00	0.0	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0							
8	Deep	USDuck	72091		5051.06	610.07	3.41		5051.56	610.07	3.41		1	0	0.0							
8	Deep	USDuck	71748		5054.02	610.12	0.94		5053.82	610.12	0.94		0	0	0.0							
8	Deep	USDuck	71471		5055.99	610.12	0.83		5055.75	610.12	0.83		0	0	0.0							
8	Deep	USDuck	70800		5059.34	610.11	0.76		5059.38	610.11	0.76		0	0	0.0							
8	Deep	USDuck	70081		5063.25	610.09	0.92		5063.12	610.09	0.92		0	0	0.0							
8	Deep	USDuck	69112		5067.38	610.07	1		5068.25	610.07	1		1	0	0.0							
8	Deep	USDuck	68349		5071.68	610.07	0.63		5072.04	610.07	0.63		0	0	0.0							
8	Deep	USDuck	68057		5072.31	610.04	1.66		5074	610.04	1.66		2	0	0.0							
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0							
8	Deep	USDuck	67862		5073.96	610.02	1.01		5073.87	610.02	1.01		0	0	0.0							
8	Deep	USDuck	67287		5076.95	610.02	0.57		5076.95	610.02	0.57		0	0	0.0							
8	Deep	USDuck	66449		5081.12	610.01	0.83		5081.54	610.01	0.83		0	0	0.0							
8	Deep	USDuck	65658		5085.34	610.01	0.6		5085.6	610.01	0.6		0	0	0.0							
8	Deep	USDuck	64951		5089.01	610	0.6		5089.25	610	0.6		0	0	0.0							
8	Deep	USDuck	64403		5091.25	609.98	1.11		5091.99	609.98	1.11		1	0	0.0							
8	Deep	USDuck	64140		5092.77	609.79	4.01		5093.33	609.79	4.01		1	0	0.0							
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0							
8	Deep	USDuck	63973		5092.78	608.91	3.38		5093.16	608.91	3.38		0	0	0.0							
8	Deep	USDuck	63867		5092.85	609	2.06		5093.8	609	2.06		1	0	0.0							
8	Deep	USDuck	63747		5093.49	608.99	1.98		5094.16	608.99	1.98		1	0	0.0							
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0							
8	Deep	USDuck	63518		5093.95	608.73	2.09		5094.31	608.73	2.09		0	0	0.0							
8	Deep	USDuck	63249		5095.35	608.77	0.84		5096.24	608.77	0.84		1	0	0.0							
8	Deep	USDuck	62725		5095.54	608.77	0.4		5095.97	608.77	0.4		0	0	0.0							
8	Deep	USDuck	62349		5095.3	608.77	0.41		5096.02	608.77	0.41		1	0	0.0	8	2	0	0.00	0.00	0.0	0.0
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0							
7	Deep	USDuck	62095		5093.01	605.76	2.15		5093.74	605.76	2.15		1	0	0.0							
7	Deep	USDuck	61997		5092.62	605.79	1.26		5093.55	605.79	1.26		1	0	0.0							
7	Deep	USDuck	61825		5092.12	605.73	2.21		5093.34	605.73	2.21		1	0	0.0							
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0							
7	Deep	USDuck	61668		5091.62	605.18	3.78		5092.79	605.18	3.78		1	0	0.0							
7	Deep	USDuck	61549		5091.73	605.25	2.77		5092.57	605.25	2.77		1	0	0.0							
7	Deep	DSDuck	961329		5759.13	605.22	2.6		5760.46	605.22	2.6		1	0	0.0							
7	Deep	DSDuck	961230		5756.97	605.22	2.43		5760.69	605.22	2.44		4	0	0.0	7	4	1	0.00	0.00	0.0	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0							
6	Deep	DSDuck	960993		5757.88	605.08	2.24		5758.85	605.08	2.24		1	0	0.0							
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0							
6	Deep	DSDuck	960895		5757.83	605.09	1.99		5759.63	605.09	1.99		2	0	0.0							
6	Deep	DSDuck	960679		5757.47	605.06	1.89		5760.1	605.06	1.9		3	0	0.0							
6	Deep	DSDuck	960529		5728.05	605.02	2.17		5729.61	605.02	2.17		2	0	0.0							
6	Deep	DSDuck	959872		4649.33	604.93	1.73		4650.45	604.93	1.73		1	0	0.0							
6	Deep	DSDuck	959178		5755.03	604.83	1.86		5755.84	604.83	1.86		1	0	0.0							
6	Deep	DSDuck	958649		5753.72	604.73	1.98		5755.94	604.73	1.98		2	0	0.0							
6	Deep	DSDuck	957989		5753.48	604.65	1.58		5754.17	604.65	1.58		1	0	0.0							
6	Deep	DSDuck	957262		5753	604.53	2.01		5754.74	604.53	2.01		2	0	0.0							
6	Deep	DSDuck	956509		5752.32	604.37	2.79		5753.85	604.37	2.79		2	0	0.0	6	3	1	0.00	0.00	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	956282		5749.89	603.84	3.05		5751.28	603.84	3.05		1	0	0.0							
5	Deep	DSDuck	956184		5749.28	603.85	2.65		5750.2	603.85	2.65		1	0	0.0							
5	Deep	DSDuck	956039		5749.92	603.86	2.09		5750.58	603.86	2.1		1	0	0.0							
5	Deep	DSDuck	955916		5749.47	603.85	1.87		5750.58	603.85	1.87		1	0	0.0							

5	Deep	DSDuck	955614		5749.54	603.82	1.84		5750.62	603.83	1.84		1	0.01	0.0							
5	Deep	DSDuck	954784		5747.43	603.7	2.11		5750.21	603.7	2.11		3	0	0.0							
5	Deep	DSDuck	954658		5782.93	603.46	4.64		5783.69	603.46	4.64		1	0	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5780.49	603.22	3.38		5781.95	603.22	3.38		1	0	0.0							
5	Deep	DSDuck	954427		5779.52	603.22	3.38		5781.77	603.22	3.38		2	0	0.0							
5	Deep	DSDuck	954107		5826.35	603.23	2.18		5826.01	603.23	2.18		0	0	0.0							
5	Deep	DSDuck	953696		5824.3	603.11	2.64		5825.1	603.11	2.64		1	0	0.0							
5	Deep	DSDuck	953203		5822.48	603.06	2.04		5824.84	603.06	2.04		2	0	0.0							
5	Deep	DSDuck	952132		5819.75	602.89	2.43		5822.55	602.89	2.43		3	0	0.0							
5	Deep	DSDuck	951884		5819.03	602.81	2.56		5820.26	602.81	2.56		1	0	0.0							
5	Deep	DSDuck	951566		5817.25	602.73	2.57		5818.24	602.73	2.57		1	0	0.0							
5	Deep	DSDuck	950991		5815.54	602.61	2.84		5818.13	602.61	2.84		3	0	0.0							
5	Deep	DSDuck	950682		5814.35	602.57	2.27		5816.69	602.57	2.27		2	0	0.0							
5	Deep	DSDuck	949909		5812.06	602.41	2.42		5814.24	602.41	2.42		2	0	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5587.31	602.34	2.09		5589.72	602.33	2.09		2	-0.01	0.0							
5	Deep	DSDuck	949168		5600.05	602.33	1.91		5600.48	602.33	1.91		0	0	0.0							
5	Deep	DSDuck	948729		5810.15	602.25	2.27		5812.7	602.25	2.27		3	0	0.0	5	3	0	0.01	-0.01	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5806.49	601.97	1.74		5808.92	601.97	1.74		2	0	0.0							
4	Deep	DSDuck	948480		5805.46	601.97	1.74		5807.67	601.97	1.74		2	0	0.0							
4	Deep	DSDuck	948428		6012.44	601.97	1.51		6015.55	601.97	1.52		3	0	0.0							
4	Deep	DSDuck	948174		6011.33	601.94	1.77		6014.62	601.94	1.77		3	0	0.0							
4	Deep	DSDuck	947566		6008.83	601.85	1.67		6011.48	601.85	1.67		3	0	0.0							
4	Deep	DSDuck	946997		6005.92	601.66	2.46		6007.8	601.66	2.46		2	0	0.0							
4	Deep	DSDuck	946167		6003.88	601.58	1.34		6007.37	601.58	1.34		3	0	0.0							
4	Deep	DSDuck	945248		6003.98	601.53	1.58		6004.54	601.53	1.58		1	0	0.0							
4	Deep	DSDuck	944337		6001.8	601.46	1.51		6005.29	601.46	1.51		3	0	0.0							
4	Deep	DSDuck	942778		5996.81	601.09	3.69		5999.77	601.09	3.69		3	0	0.0							
4	Deep	DSDuck	942375		5995.89	600.97	3.49		5999.19	600.96	3.49		3	-0.01	0.0							
4	Deep	DSDuck	942129		5996.3	600.89	3.53		5996.71	600.89	3.54		0	0	0.0							
4	Deep	DSDuck	941984		5991.48	600.72	4.43		5995.62	600.72	4.43		4	0	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		5992.82	600.71	3.27		5995.84	600.71	3.27		3	0	0.0							
4	Deep	DSDuck	941433		5987.05	600.4	4.13		5991.28	600.4	4.13		4	0	0.0							
4	Deep	DSDuck	940705		5985.78	600.13	3.16		5986.73	600.13	3.16		1	0	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5974.87	599.83	4.06		5977.15	599.82	4.07		2	-0.01	0.0							
4	Deep	DSDuck	940382		5978.05	599.86	1.84		5978.57	599.85	1.84		1	-0.01	0.0							
4	Deep	DSDuck	939456		5976.51	599.76	1.86		5977.21	599.76	1.86		1	0	0.0							
4	Deep	DSDuck	938026		5971.99	599.66	1.94		5975.11	599.65	1.95		3	-0.01	0.0							
4	Deep	DSDuck	937064		5963.76	599.29	3.51		5967.32	599.28	3.51		4	-0.01	0.0							
4	Deep	DSDuck	936422		5961.94	599.18	2.92		5958.73	599.17	2.92		-3	-0.01	0.0							
4	Deep	DSDuck	935423		5955.88	598.98	2.89		5951.18	598.97	2.89		-5	-0.01	0.0							
4	Deep	DSDuck	934734		6041.27	598.88	2.69		6043.86	598.88	2.69		3	0	0.0							
4	Deep	DSDuck	934223		6034.21	598.81	2.56		6037.89	598.8	2.56		4	-0.01	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6036.69	598.29	2.78		5968.42	598.28	2.75		-68	-0.01	0.0							
4	Deep	DSDuck	933391		5956.75	598.22	2.57		5959.81	598.21	2.58		3	-0.01	0.0							
4	Deep	DSDuck	932574		5919.21	597.98	3.05		5905.15	597.98	3.05		-14	0	0.0							
4	Deep	DSDuck	931721		5875.43	597.79	2.9		5878.82	597.78	2.91		3	-0.01	0.0							
4	Deep	DSDuck	931117		5857.93	597.74	2.34		5864.18	597.73	2.34		6	-0.01	0.0							
4	Deep	DSDuck	930406		5849.82	597.68	2.25		5843.42	597.67	2.25		-6	-0.01	0.0							
4	Deep	DSDuck	929978		5826.55	597.63	2.21		5832.41	597.62	2.21		6	-0.01	0.0							
4	Deep	DSDuck	929807		5812.45	597.58	2.6		5811.97	597.57	2.6		0	-0.01	0.0	4	6	-68	0.00	-0.01	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5799.8	597.4	2.76		5792.6	597.39	2.76		-7	-0.01	0.0							
3	Deep	DSDuck	929174		5789.47	597.38	2.17		5788.6	597.37	2.17		-1	-0.01	0.0							
3	Deep	DSDuck	928469		5748.45	597.29	2.42		5744.72	597.28	2.42		-4	-0.01	0.0							
3	Deep	DSDuck	927523		5670.23	597.13	2.94		5676.1	597.12	2.95		6	-0.01	0.0							
3	Deep	DSDuck	926814		5656.48	597.08	2.44		5639.38	597.07	2.44		-17	-0.01	0.0							
3	Deep	DSDuck	926669		5622.41	597.04	2.63		5630.32	597.03	2.64		8	-0.01	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5637.28	597.05	1.92		5625.79	597.04	1.92		-11	-0.01	0.0							
3	Deep	DSDuck	925793		5567.38	596.94	2.57		5557.36	596.93	2.57		-10	-0.01	0.0							
3	Deep	DSDuck	925300		5540	596.89	2.46		5510.96	596.88	2.45		-29	-0.01	0.0							
3	Deep	DSDuck	925073		5511.55	596.86	2.17		5511.38	596.85	2.17		0	-0.01	0.0							
3	Deep	DSDuck	924833		5469.29	596.78	2.92		5458.7	596.76	2.92		-11	-0.02	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5421.33	596	3.27		5409.97	595.98	3.27		-11	-0.02	0.0							
3	Deep	DSDuck	924342		5350.58	595.94	3.01		5349.68	595.92	3.02		-1	-0.02	0.0							
3	Deep	DSDuck	924002		5298.27	595.87	2.82		5299.21	595.86	2.83		1	-0.01	0.0							
3	Deep	DSDuck	923827		5284.85	595.84	2.86		5262.93	595.82	2.89		-22	-0.02	0.0							
3	Deep	DSDuck	923771		5243.74	595.79	3.4		5246.18	595.78	3.44		2	-0.01	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5232.26	595.74	2.3		5232.98	595.72	2.33		1	-0.02	0.0							
3	Deep	DSDuck	923653		5213.93	595.71	2.37		5213.73	595.7	2.42		0	-0.01	0.0							
3	Deep	DSDuck	923529		5201.37	595.65	3.21		5196.76	595.64	3.25		-5	-0.01	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5193.29	595.66	2.73		5194.52	595.65	2.75		1	-0.01	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5202.32	595.64	2.72		5198.25	595.64	2.74		-4	0	0.0							
3	Deep	DSDuck	923408		5179.32	595.62	3.17		5179.46	595.61	3.22		0	-0.01	0.1							
3	Deep	DSDuck	923308		5169.47	595.61	2.84		5168.86	595.61	2.86		-1	0	0.0							
3	Deep	DSDuck	923080		5156.25	595.62	2.38		5151.05	595.61	2.4		-5	-0.01	0.0							
3	Deep	DSDuck	922636		5138.85	595.56	2.76		5125.99	595.56	2.75		-13	0	0.0							
3	Deep	DSDuck	922169		5099.95	595.51	2.65		5097.5	595.51	2.65		-2	0	0.0							
3	Deep	DSDuck	921587		5180.39	595.39	2.95		5187.16	595.39	2.95		7	0	0.0							
3	Deep	DSDuck	921501		5132.33	595.25	4.01		5136.91	595.25	4.01		5	0	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5086.76	595.11	3.65		5085.13	595.12	3.64		-2	0.01	0.0							
3	Deep	DSDuck	921039.1		5086.75	595.11	3.65		5081.64	595.12	3.64		-5	0.01	0.0							
3	Deep	DSDuck	921039		5081.89	595.11	3.64		5085.12	595.12	3.64		3	0.01	0.0	3	8	-29	0.01	-0.02	0.1	0.0
1	Burns	Burns	920939		5266.18	595.11	3.91		5263.87	595.12	3.91		-2	0.01	0.0							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5251.12	594.99	4.15		5251.23	594.99	4.15		0	0	0.0							
1	Burns	Burns	920468		5250	594.96	3.97		5248.99	594.96	3.97		-1	0	0.0							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5089.88	594.95	3.51		5088.28	594.95	3.51		-2	0	0.0							
1	Burns	Burns	919872		5119.01	594.89	3.42		5119.4	594.89	3.42		0	0	0.0							
1	Burns	Burns	919832		5199.01	594.88	3.39		5202.05	594.88	3.39		3	0	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5176.55	594.68	3.89		5174.16	594.69	3.89		-2	0.01	0.0							
1	Burns	Burns	919588		5171.39	594.68	3.82		5172.11	594.69	3.82		1	0.01	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5185.23	594.75	2.85		5184.98	594.76	2.85		0	0.01	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919340		4947.3	594.73	2.92		4945.6	594.74	2.92		-2	0.01	0.0						
1	Burns	Burns	919021		4062.08	594.79	2.1		4061.53	594.79	2.1		-1	0	0.0						
1	Burns	Burns	918058		2249.89	594.81	1.32		2249.36	594.81	1.32		-1	0	0.0						
1	Burns	Burns	917449		1616.7	594.81	0.99		1616.5	594.82	0.99		0	0.01	0.0						
1	Burns	Burns	916752		1818.86	594.79	1.11		1815.98	594.79	1.1		-3	0	0.0						
1	Burns	Burns	916647		1869.73	594.78	1.26		1866.25	594.79	1.26		-3	0.01	0.0						
1	Burns	Burns	916591		Bridge				Bridge					0	0.0						
1	Burns	Burns	916504		1870.09	594.77	1.24		1866.49	594.77	1.24		-4	0	0.0						
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916384		1870.96	594.76	1.19		1867.41	594.77	1.18		-4	0.01	0.0						
1	Burns	Burns	915170		1170.33	594.76	0.79		1167.2	594.76	0.79		-3	0	0.0						
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	913799		1074.67	594.75	0.72		1071.08	594.75	0.72		-4	0	0.0						
1	Burns	Burns	912165		1355.92	594.72	0.8		1351.21	594.73	0.8		-5	0.01	0.0						
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	911500		2134.48	594.68	1.32		2131.97	594.68	1.32		-3	0	0.0						
1	Burns	Burns	909818		3230.61	594.53	1.91		3229.91	594.53	1.91		-1	0	0.0						
1	Burns	Burns	907147		5050.49	594.09	2.9		5053.89	594.09	2.9		3	0	0.0						
1	Burns	Burns	905522		5060.51	593.84	2.82		5060.42	593.85	2.82		0	0.01	0.0						
1	Burns	Burns	905438		Bridge				Bridge					0	0.0						
1	Burns	Burns	905364		5055.87	593.8	2.83		5058.73	593.8	2.83		3	0	0.0						
1	Burns	Burns	904862		5050.14	593.7	3.05		5054.58	593.7	3.05		4	0	0.0						
1	Burns	Burns	904213		5008.89	593.62	2.79		5010.53	593.62	2.79		2	0	0.0						
1	Burns	Burns	903765		4999.31	593.54	2.86		5002.55	593.54	2.86		3	0	0.0						
1	Burns	Burns	903487		4999.47	593.51	2.73		5002.93	593.51	2.73		3	0	0.0						
1	Burns	Burns	903304		Bridge				Bridge					0	0.0						
1	Burns	Burns	903222		4987.87	593.37	3.02		4993.42	593.38	3.02		6	0.01	0.0						
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	902545		4919.37	593.28	2.83		4921.88	593.29	2.83		3	0.01	0.0						
1	Burns	Burns	902215		4823.33	593.25	2.81		4826.85	593.25	2.81		4	0	0.0						
1	Burns	Burns	901966		4821.23	593.21	2.89		4823.38	593.21	2.89		2	0	0.0						
1	Burns	Burns	901643		4926.54	593.22	2.32		4929.75	593.22	2.32		3	0	0.0						
1	Burns	Burns	901478		Bridge				Bridge					0	0.0						
1	Burns	Burns	901218		4885.8	593.07	2.41		4889.85	593.07	2.41		4	0	0.0						
1	Burns	Burns	900573		4841.4	592.96	2.92		4845.19	592.97	2.92		4	0.01	0.0						
1	Burns	Burns	900081		4837.45	592.91	2.82		4840.05	592.91	2.82		3	0	0.0						
1	Burns	Burns	18866		4837.08	592.91	2.73		4841.92	592.91	2.73		5	0	0.0						
1	Burns	Burns	18616		4834.53	592.77	3.62		4838.35	592.77	3.62		4	0	0.0						
1	Burns	Burns	18571		Bridge				Bridge					0	0.0						
1	Burns	Burns	18530		4834.87	592.81	3.03		4838.53	592.81	3.04		4	0	0.0						
1	Burns	Burns	18529		4834.77	592.81	3.03		4838.45	592.81	3.04		4	0	0.0						
1	Burns	Burns	18452		Bridge				Bridge					0	0.0						
1	Burns	Burns	18365		4834.53	591.47	2.83		4837.88	591.47	2.83		3	0	0.0						
1	Burns	Burns	18249		4835.23	591.46	2.68		4836.6	591.46	2.68		1	0	0.0						
1	Burns	Burns	18079		5097.58	591.36	3.26		5102.51	591.36	3.26		5	0	0.0						
1	Burns	Burns	18078		5097.56	591.36	3.26		5100.74	591.36	3.26		3	0	0.0						
1	Burns	Burns	18017		Bridge				Bridge					0	0.0						
1	Burns	Burns	17972		5026.93	591.17	3.68		5029.06	591.18	3.68		2	0.01	0.0						
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	17309		5022.72	591.11	2.85		5025.54	591.11	2.85		3	0	0.0						
1	Burns	Burns	16898		4976.5	591.05	2.75		4980.48	591.06	2.75		4	0.01	0.0						
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	15741		4929.44	590.82	3.1		4932.92	590.83	3.1		3	0.01	0.0						
1	Burns	Burns	13924		4951.24	590.53	2.89		4955.38	590.54	2.89		4	0.01	0.0						
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	13011		4991.81	590.4	2.75		4997.02	590.41	2.76		5	0.01	0.0						
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	12071		4989.14	590.26	2.85		4994.34	590.26	2.85		5	0	0.0						
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	10554		4985.65	590.1	2.25		4989.28	590.11	2.25		4	0.01	0.0						
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	9194		5013.74	589.95	2.34		5018.56	589.96	2.34		5	0.01	0.0						
1	Burns	Burns	7751		5012.67	589.81	2.29		5011.36	589.82	2.29		-1	0.01	0.0						
1	Burns	Burns	7232		5003.28	589.76	2.21		5007.34	589.77	2.21		4	0.01	0.0						
1	Burns	Burns	5385		4992.89	589.56	2.29		4997.39	589.56	2.29		5	0	0.0						
1	Burns	Burns	4161		4915.22	589.4	2.58		4922	589.4	2.59		7	0	0.0						
1	Burns	Burns	3756		14041.66	588.66	4.59		14046.89	588.66	4.59		5	0	0.0						
1	Burns	Burns	3276		14041.59	588.42	5.05		14046.66	588.42	5.05		5	0	0.0						
1	Burns	Burns	2944		14122.39	588.18	5.6		14127.59	588.18	5.6		5	0	0.0						
1	Burns	Burns	2144		14122.39	588.27	2.1		14127.53	588.27	2.1		5	0	0.0						
1	Burns	Burns	1865		Bridge				Bridge					0	0.0						
1	Burns	Burns	1794		14122.38	587.12	6.12		14127.5	587.13	6.12		5	0.01	0.0						
1	Burns	Burns	1793		14122.38	587.12	6.11		14127.42	587.13	6.12		5	0.01	0.0						
1	Burns	Burns	1758		Bridge				Bridge					0	0.0						
1	Burns	Burns	1700		14122.41	586.56	7.29		14127.58	586.56	7.29		5	0	0.0						
1	Burns	Burns	1699		14122.38	586.56	7.28		14127.51	586.56	7.28		5	0	0.0						
1	Burns	Burns	1634		Bridge				Bridge					0	0.0						
1	Burns	Burns	1579		14122.46	586.98	4.9		14127.61	586.98	4.9		5	0	0.0						
1	Burns	Burns	1518		14122.31	586.95	4.85		14127.35	586.96	4.85		5	0.01	0.0						
1	Burns	Burns	784		14122.35	586.64	4.83		14127.35	586.64	4.83		5	0	0.0						
1	Burns	Burns	682		14122.25	586.5	5.36		14127.29	586.5	5.36		5	0	0.0						
1	Burns	Burns	588		Bridge				Bridge					0	0.0						
1	Burns	Burns	532.1		14122.24	584.63	9.08		14127.36	584.64	9.09		5	0.01	0.0						
1	Burns	Burns	532		14122.29	584.91	8.03		14127.42	584.91	8.03		5	0	0.0						
1	Burns	Burns	100		14122.28	585.03	5.38		14127.58	585.04	5.38		5	0.01	0.0						
1	Burns	Burns	1		14122.21	582.93	5.97		14127.74	582.93	5.97		6	0	0.0						
1	Burns	Burns	0		476.6	581.1	0.03		476.44	581.1	0.03		0	0	0.0	1	7	-5	0.01	0.00	0.0	0.0

Proposed Project: Harrison RR capacity increase
Project Description: increase RR opening by about 1/2 again
Project Location: Turkey Ck near Harrison Street
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	negligible	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	negligible	negligible	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	negligible	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	negligible	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	negligible	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	negligible	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	negligible	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	negligible	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	negligible	negligible	negligible		
17	Turkey Ck	Broadway toHendricks St	18578-33479	up to 0.3 ft reduction	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	negligible	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 14: PROJECT IMPACT SPREADSHEET FOR DECREASING CAPACITY OF RAILROAD NEAR HARRISON AVENUE

paste model output results here - make sure same order and cross sections					EX100y96hARF				Harrison RR decrease				Harrison RR decrease project - existing									
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl							
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.38	622.63	1.5		899.04	622.72	1.43		-5	0.09	-0.1							
17	TurkeyCreek	TurkeyCk	33401.65		902.09	622.35	3.61		895.7	622.48	3.35		-6	0.13	-0.3							
17	TurkeyCreek	TurkeyCk	33088.58		1072.44	622.15	2.98		1063.75	622.33	2.62		-9	0.18	-0.4							
17	TurkeyCreek	TurkeyCk	32513.27		1070.12	621.84	2.32		1058.41	622.09	2.1		-12	0.25	-0.2							
17	TurkeyCreek	TurkeyCk	31866.41		1067.53	621.57	1.93		1055.41	621.9	1.72		-12	0.33	-0.2							
17	TurkeyCreek	TurkeyCk	31257.64		1066.47	621.41	2.36		1054.38	621.78	2.11		-12	0.37	-0.3							
17	TurkeyCreek	TurkeyCk	30968.95		1064.03	621.1	3.31		1049.69	621.54	2.97		-14	0.44	-0.3							
17	TurkeyCreek	TurkeyCk	30538.52		1062.12	620.82	2.78		1046.83	621.36	2.28		-15	0.54	-0.5							
17	TurkeyCreek	TurkeyCk	30439.94		1061.74	620.8	1.61		1046.03	621.35	1.17		-16	0.55	-0.4							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1061.83	620.78	1.28		1047.12	621.33	1.08		-15	0.55	-0.2							
17	TurkeyCreek	TurkeyCk	30161.32		1062.15	620.77	0.92		1046.85	621.32	0.79		-15	0.55	-0.1							
17	TurkeyCreek	TurkeyCk	29712.14		1061.75	620.76	0.4		1046.29	621.32	0.34		-15	0.56	-0.1							
17	TurkeyCreek	TurkeyCk	29446.15		1377.83	620.75	0.55		1357.47	621.31	0.46		-20	0.56	-0.1							
17	TurkeyCreek	TurkeyCk	28990.92		1377.78	620.71	1.79		1356.95	621.28	1.56		-21	0.57	-0.2							
17	TurkeyCreek	TurkeyCk	28880.56		1377.4	620.59	3.1		1356.21	621.19	2.82		-21	0.6	-0.3							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1370.18	619.75	4.29		1347.21	620.37	3.82		-23	0.62	-0.5							
17	TurkeyCreek	TurkeyCk	28799.35		1370.62	619.79	3.97		1348.48	620.42	3.44		-22	0.63	-0.5							
17	TurkeyCreek	TurkeyCk	28772.76		1372.29	619.87	3.09		1348.53	620.48	2.68		-24	0.61	-0.4							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.29	619.93	1.67		1349.97	620.52	1.44		-22	0.59	-0.2							
17	TurkeyCreek	TurkeyCk	28630.21		1372.64	619.94	1.1		1348.92	620.53	0.92		-24	0.59	-0.2							
17	TurkeyCreek	TurkeyCk	28551.08		1372.23	619.94	1.03		1349.7	620.53	0.86		-23	0.59	-0.2							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.23	619.93	1.02		1350.38	620.52	0.86		-22	0.59	-0.2							
17	TurkeyCreek	TurkeyCk	28469.26		1372.33	619.92	1.01		1349.61	620.52	0.86		-23	0.6	-0.2							
17	TurkeyCreek	TurkeyCk	28083.71		1784.39	619.91	0.92		1761.3	620.51	0.81		-23	0.6	-0.1							
17	TurkeyCreek	TurkeyCk	27853.97		1784.23	619.9	0.89		1761.73	620.5	0.75		-23	0.6	-0.1							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.8	619.89	0.93		1761.77	620.49	0.78		-23	0.6	-0.2							
17	TurkeyCreek	TurkeyCk	27684.68		1784.94	619.88	0.94		1761.46	620.48	0.81		-23	0.6	-0.1							
17	TurkeyCreek	TurkeyCk	27345.96		1784.19	619.87	0.95		1761.53	620.47	0.84		-23	0.6	-0.1							
17	TurkeyCreek	TurkeyCk	27177.36		1784.09	619.86	1.16		1761.23	620.47	1.01		-23	0.61	-0.2							
17	TurkeyCreek	TurkeyCk	27063.38		1783.84	619.85	1.25		1760.9	620.46	1.1		-23	0.61	-0.2							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.15	619.83	1.43		1760.16	620.44	1.26		-24	0.61	-0.2							
17	TurkeyCreek	TurkeyCk	26916.19		1784.31	619.83	1.5		1761.03	620.44	1.27		-23	0.61	-0.2							
17	TurkeyCreek	TurkeyCk	26828.25		1784	619.82	1.46		1760.19	620.43	1.22		-24	0.61	-0.2							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.19	619.8	1.54		1760.19	620.42	1.29		-24	0.62	-0.3							
17	TurkeyCreek	TurkeyCk	26683.12		1783.65	619.79	1.35		1760.65	620.41	1.15		-23	0.62	-0.2							
17	TurkeyCreek	TurkeyCk	26560.67		1783.45	619.78	1.55		1760.35	620.4	1.32		-23	0.62	-0.2							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.22	619.76	1.54		1760.72	620.39	1.31		-24	0.63	-0.2							
17	TurkeyCreek	TurkeyCk	26426.03		1783.57	619.77	1.18		1760.88	620.39	1.03		-23	0.62	-0.2							
17	TurkeyCreek	TurkeyCk	26325.89		1783.73	619.76	1.06		1760.73	620.39	0.91		-23	0.63	-0.2							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.46	619.75	1.17		1760.56	620.37	0.98		-24	0.62	-0.2							
17	TurkeyCreek	TurkeyCk	26224.64		1784.31	619.75	1.13		1760.2	620.37	0.96		-24	0.62	-0.2							
17	TurkeyCreek	TurkeyCk	26124.27		1784.06	619.74	0.99		1760.54	620.37	0.86		-24	0.63	-0.1							
17	TurkeyCreek	TurkeyCk	26005.49		1783.87	619.74	1.14		1759.88	620.36	0.99		-24	0.62	-0.2							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.87	619.71	1.48		1760.68	620.35	1.27		-23	0.64	-0.2							
17	TurkeyCreek	TurkeyCk	25880.1		1784.05	619.7	1.74		1759.78	620.33	1.46		-24	0.63	-0.3							
17	TurkeyCreek	TurkeyCk	25681.32		1783.83	619.67	1.69		1760.69	620.32	1.46		-23	0.65	-0.2							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1783.1	619.66	1.63		1760.69	620.31	1.38		-22	0.65	-0.3							
17	TurkeyCreek	TurkeyCk	25414.28		1783.59	619.66	1.03		1760.02	620.31	0.86		-24	0.65	-0.2							
17	TurkeyCreek	TurkeyCk	25271.19		1783.8	619.66	0.58		1760.67	620.31	0.5		-23	0.65	-0.1							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.13	619.65	0.56		1760.88	620.3	0.48		-23	0.65	-0.1							
17	TurkeyCreek	TurkeyCk	25181.13		1783.31	619.65	0.71		1760.49	620.3	0.6		-23	0.65	-0.1							
17	TurkeyCreek	TurkeyCk	25105.17		1783.71	619.64	1.04		1760.58	620.3	0.87		-23	0.66	-0.2							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.1	619.64	0.77		1760.48	620.29	0.67		-24	0.65	-0.1							
17	TurkeyCreek	TurkeyCk	24949.11		1783.9	619.64	0.72		1760.66	620.29	0.64		-23	0.65	-0.1							
17	TurkeyCreek	TurkeyCk	24770.6		1783.89	619.63	0.56		1760.39	620.29	0.51		-24	0.66	-0.1							
17	TurkeyCreek	TurkeyCk	24631.62		1783.22	619.62	1.03		1760.37	620.28	0.87		-23	0.66	-0.2							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1783.81	619.61	1.15		1760.57	620.27	0.97		-23	0.66	-0.2							
17	TurkeyCreek	TurkeyCk	24542.6		1783.53	619.61	0.71		1760.47	620.27	0.63		-23	0.66	-0.1							
17	TurkeyCreek	TurkeyCk	24473.51		1783.47	619.61	0.97		1760.33	620.27	0.84		-23	0.66	-0.1							
17	TurkeyCreek	TurkeyCk	24404.92		1783.36	619.59	1.44		1760.41	620.26	1.24		-23	0.67	-0.2							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.36	619.59	1.33		1760.35	620.25	1.14		-23	0.66	-0.2							
17	TurkeyCreek	TurkeyCk	24213.36		1783.47	619.58	1.45		1760.32	620.25	1.23		-23	0.67	-0.2							
17	TurkeyCreek	TurkeyCk	23821.64		1783.81	619.55	1.26		1760.23	620.23	1.05		-24	0.68	-0.2							
17	TurkeyCreek	TurkeyCk	23658.74		1783.39	619.55	1.21		1760.63	620.23	1.03		-23	0.68	-0.2							
17	TurkeyCreek	TurkeyCk	23314		1783.58	619.5	1.72		1760.05	620.2	1.44		-24	0.7	-0.3							
17	TurkeyCreek	TurkeyCk	22924.77		1783.41	619.47	1.4		1760.13	620.18	1.13		-23	0.71	-0.3							
17	TurkeyCreek	TurkeyCk	22863.38		1783.38	619.45	1.85		1759.9	620.17	1.48		-23	0.72	-0.4							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.42	619.41	2.09		1760.2	620.15	1.68		-23	0.74	-0.4							
17	TurkeyCreek	TurkeyCk	22800.98		1783.47	619.41	1.86		1759.91	620.15	1.53		-24	0.74	-0.3							
17	TurkeyCreek	TurkeyCk	22731		1783.53	619.43	1.16		1760.1	620.16	0.97		-23	0.73	-0.2							
17	TurkeyCreek	TurkeyCk	22686.77		1783.46	619.42	1.3		1760	620.15	1.06		-23	0.73	-0.2							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.4	619.41	1.22		1760	620.15	1.01		-23	0.74	-0.2							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1760.16	620.13	1.38		-23	0.74	-0.2							
17	TurkeyCreek	TurkeyCk	22400.67		1783.42	619.33	2.45		1760.05	620.08	2.17		-23	0.75	-0.3							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.65	618.88	3.03		1777.4	618.84	3.04		-6	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.48	618.86	3.41		1770.3	618.82	3.41		-13	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.48	618.91	2.52		1770.38	618.86	2.53		-13	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.54	618.94	1.94		1767.29	618.89	1.93		-16	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.43	618.95	1.47		1765.75	618.9	1.47		-18	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.49	618.92	1.86		1764.1	618.88	1.85		-19	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.56	618.77	3.49		1762.23	618.73	3.47		-21	-0.04	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.56	618.58	3.98		1762.23	618.54	3.96		-21	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.5	618.68	2.19		1762.3	618.63	2.18		-21	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1762.71	618.61	1.19		-21	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.36	618.63	0.99		1762.07	618.58	0.99		-21	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.63	618.58	1.24		2172.31	618.53	1.25		-21	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.5	618.52	1.93		2171.16	618.47	1.93		-22	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.59	618.45	2.1		2170.23	618.4	2.09		-23	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.4	618.36	2.29		2169.91	618.31	2.29		-23	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.49	618.28	1.81		2169.69	618.23	1.81		-24	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.4	618.2	2.67		2169.37	618.16	2.66		-24	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2169.22	617.89	4.3		-24	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.39	617.92	3.04		2169.13	617.88	3.04		-24	-0.04	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.37	617.26	6.71		2168.89	617.21	6.7		-24	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.89	616.2	8.11		2168.76	616.15	8.08		-24	-0.05	0.0							
17	TurkeyCreek	TurkeyCk	18578		2193.01	616.31	6.22		2168.82	616.26	6.2		-24	-0.05	0.0	17	-5	-24	0.75	-0.05	0.0	-0.5
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2193.02	615.43	5.41		2166.67	615.39	5.39		-26	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.8	615.07	6.57		2166.59	615.03	6.53		-26	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.8	614.84	5.71		2163.24	614.8	5.67		-29	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	18032		2192.3	614.91	3.45		2166.27	614.87	3.44		-26	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.99	614.82	2.9		2163.48	614.78	2.89		-29	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.56	614.73	3.22		2162.69	614.68	3.21		-29	-0.05	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.54	614.65	2.35		2157.5	614.61	2.34		-34	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.51	614.62	2.17		2157.75	614.58	2.16		-34	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	16917		2191.7	614.59	1.23		2157.7	614.55	1.22		-34	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	16494		2191.53	614.55	1.33		2156.63	614.5	1.33		-35	-0.05	0.0							
16	TurkeyCreek	TurkeyCk	16288		2191.18	614.51	1.57		2156.78	614.47	1.57		-34	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	15975		2191.04	614.47	1.54		2156.06	614.42	1.53		-35	-0.05	0.0							
16	TurkeyCreek	TurkeyCk	15724		2191.29	614.4	2.08		2155.99	614.36	2.06		-35	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	15587		2394.58	614.35	1.94		2324.22	614.32	1.9		-70	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15472		2391.83	614.28	2.84		2323.68	614.24	2.78		-68	-0.04	-0.1							
16	TurkeyCreek	TurkeyCk	15271		2392.25	614.25	1.78		2323.34	614.22	1.75		-69	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	15130		2391.51	614.24	1.54		2321.91	614.2	1.51		-70	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14901		2390.94	614.22	1.32		2322.25	614.18	1.29		-69	-0.04	0.0							
16	TurkeyCreek	TurkeyCk	14694		2389.53	614.19	1.44		2321.11	614.16	1.4		-68	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14500		2389.59	614.17	1.36		2320.21	614.14	1.33		-69	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14254		2388.55	614.16	0.9		2320.23	614.13	0.88		-68	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	14081		2388.21	614.15	0.94		2319.59	614.12	0.91		-69	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	13909		2387.14	614.13	1.07		2319.22	614.1	1.04		-68	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	13580		2384	614.07	2.13		2316.14	614.04	2.08		-68	-0.03	0.0							
16	TurkeyCreek	TurkeyCk	13356		2381.75	614	2.14		2314.65	613.97	2.08		-67	-0.03	-0.1							
16	TurkeyCreek	TurkeyCk	13150		2369.18	613.81	3.78		2308.04	613.8	3.7		-61	-0.01	-0.1							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2328.87	613.52	4.16		2292.03	613.52	4.09		-37	0	-0.1							
16	TurkeyCreek	TurkeyCk	12967		2336	613.55	3.69		2295.17	613.55	3.62		-41	0	-0.1							
16	TurkeyCreek	TurkeyCk	12836		2333.69	613.53	2.84		2292.08	613.53	2.79		-42	0	0.0							
16	TurkeyCreek	TurkeyCk	12718		2330.54	613.52	2.13		2292.62	613.51	2.1		-38	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12536		2327.01	613.5	1.65		2293.12	613.5	1.62		-34	0	0.0							
16	TurkeyCreek	TurkeyCk	12244		2321.65	613.45	1.79		2289.06	613.45	1.76		-33	0	0.0							
16	TurkeyCreek	TurkeyCk	11927		2312.77	613.38	2.03		2285.65	613.38	2.01		-27	0	0.0							
16	TurkeyCreek	TurkeyCk	11687		2309.59	613.34	1.6		2281.4	613.35	1.58		-28	0.01	0.0							
16	TurkeyCreek	TurkeyCk	11449		2304.93	613.3	1.48		2279.84	613.31	1.46		-25	0.01	0.0							
16	TurkeyCreek	TurkeyCk	11232		2287.24	613.18	2.98		2271.64	613.18	2.95		-16	0	0.0							
16	TurkeyCreek	TurkeyCk	11119		2269.41	613	3.77		2257.43	613.01	3.74		-12	0.01	0.0							
16	TurkeyCreek	TurkeyCk	11013		2234.27	612.74	5.04		2237.6	612.75	5.04		3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2182.43	612.42	5.64		2218.44	612.43	5.73		36	0.01	0.1							
16	TurkeyCreek	TurkeyCk	10905		2162.05	612.33	5.7		2193.14	612.33	5.78		31	0	0.1							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2153.87	612.3	4.08		2125.02	612.3	4.02		-29	0	-0.1							
16	TurkeyCreek	TurkeyCk	10552		2103.24	611.99	5.28		2099.13	612	5.26		-4	0.01	0.0							
16	TurkeyCreek	TurkeyCk	10251		2099.77	611.92	1.17		2096.73	611.93	1.17		-3	0.01	0.0							
16	TurkeyCreek	TurkeyCk	9979		2095.15	611.89	1.32		2094.15	611.9	1.31		-1	0.01	0.0							
16	TurkeyCreek	TurkeyCk	9783		2093.83	611.89	1.01		2093.07	611.9	1.01		-1	0.01	0.0							
16	TurkeyCreek	TurkeyCk	9526		2082.42	611.83	1.92		2087.19	611.84	1.92		5	0.01	0.0							
16	TurkeyCreek	TurkeyCk	9168		2073.51	611.75	1.96		2082.14	611.76	1.97		9	0.01	0.0							
16	TurkeyCreek	TurkeyCk	8838		2073.87	611.72	0.97		2078.71	611.74	0.97		5	0.02	0.0							
16	TurkeyCreek	TurkeyCk	8503		2069.16	611.7	1.16		2073.14	611.71	1.16		4	0.01	0.0							
16	TurkeyCreek	TurkeyCk	8221		2070.59	611.69	1.02		2075.2	611.7	1.02		5	0.01	0.0							
16	TurkeyCreek	TurkeyCk	8013		2070.86	611.68	0.8		2075.49	611.7	0.8		5	0.02	0.0							
16	TurkeyCreek	TurkeyCk	7673		2069.25	611.67	1.05		2070.72	611.68	1.05		1	0.01	0.0							
16	TurkeyCreek	TurkeyCk	7223		2063.24	611.64	1.41		2071.02	611.65	1.41		8	0.01	0.0							
16	TurkeyCreek	TurkeyCk	6947		2062.19	611.6	1.76		2069.21	611.61	1.76		7	0.01	0.0							
16	TurkeyCreek	TurkeyCk	6829		2057.68	611.59	1.69		2068.5	611.6	1.7		11	0.01	0.0							
16	TurkeyCreek	TurkeyCk	6686		2050.8	611.5	2.6		2057.3	611.51	2.61		7	0.01	0.0	16	36	-70	0.02	-0.05	0.1	-0.1
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2046.25	611.48	2.03		2057.3	611.49	2.04		11	0.01	0.0							
9	TurkeyCreek	TurkeyCk	6407		2050.16	611.46	1.43		2057.98	611.47	1.44		8	0.01	0.0							
9	TurkeyCreek	TurkeyCk	6204		2041.33	611.41	2.01		2050.55	611.42	2.01		9	0.01	0.0							
9	TurkeyCreek	TurkeyCk	5151		2021.8	611.22	0.68		2033.52	611.23	0.69		12	0.01	0.0							
9	TurkeyCreek	TurkeyCk	2193		2014.66	611.14	0.51		2028.04	611.15	0.52		13	0.01	0.0							
9	TurkeyCreek	TurkeyCk	500		2154.98	611.12	0.29		2167.76	611.13	0.29		13	0.01	0.0							
9	TurkeyCreek	TurkeyCk	50		2155.22	611.12	0.39		2169.34	611.13	0.39		14	0.01	0.0	9	14	8	0.01	0.01	0.0	0.0
2	LCal	LCal	2575		153.96	595.19	0.06		154.49	595.19	0.06		1	0	0.0							
2	LCal	LCal	2359		152.17	595.19	0.05		154.95	595.19	0.05		3	0	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.96	595.19	0.05		154.78	595.19	0.05		1	0	0.0							
2	LCal	LCal	2172		152.27	595.19	0.05		152.63	595.19	0.05		0	0	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.16	595.15	0.09		116.08	595.15	0.09		0	0	0.0							
2	LCal	LCal	1559		115.79	595.15	0.1		117.2	595.15	0.1		1	0	0.0							
2	LCal	LCal	1414		116.6	595.15	0.15		116.12	595.15	0.15		0	0	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		103.3	595.12	0.09		102.51	595.12	0.09		-1	0	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		149.16	595.12	0.17		144.62	595.12	0.16		-5	0	0.0							
2	LCal	LCal	173		179.45	595.11	0.23		179.09	595.11	0.23		0	0	0.0	2	3	-5	0.00	0.00	0.0	0.0
21	Duck Ck	DuckCk	20671		428.88	616.21	1.74		428.89	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.87	616.04	1.97		428.86	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.89	615.82	2.37		428.88	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.86	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.85	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.84	615.12	1.81		428.81	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.86	614.9	2		428.86	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.74	614.07	2.04		428.76	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.75	613.87	1.73		428.77	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.45	613.22	2.37		428.45	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.95	612.74	1.96		427.8	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		427.1	612.26	1.91		426.96	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.6	612.12	1.37		426.79	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.29	611.94	1.51		426.02	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		425.86	611.82	1.43		426.02	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.72	611.74	1.01		425.81	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.44	611.62	1.92		425.41	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.85	611.21	2.51		423.73	611.21	2.5		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.28	611.09	1.98		423.29	611.09	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15534		422.04	610.86	1.98		421.95	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.33	610.72	1.29		421.51	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		420.77	610.62	1.32		421.05	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.67	610.58	0.84		420.66	610.57	0.84		0	-0.01	0.0							
21	Duck Ck	DuckCk	14584		420.6	610.54	0.85		420.38	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.31	610.51	0.85		420.47	610.5	0.85		0	-0.01	0.0							
21	Duck Ck	DuckCk	14091		420.2	610.41	1.56		419.99	610.41	1.56		0	0	0.0	21	0	0	0.00	-0.01	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.55	610	1.62		419.53	610	1.62		0	0	0.0							
20	Duck Ck	DuckCk	13704		419.02	609.87	1.44		419.09	609.87	1.44		0	0	0.0							
20	Duck Ck	DuckCk	13464		418.41	609.77	1.27		418.72	609.77	1.27		0	0	0.0							
20	Duck Ck	DuckCk	13279		418.19	609.73	0.78		418.34	609.73	0.78		0	0	0.0							
20	Duck Ck	DuckCk	12964		581.93	609.68	1.04		581.88	609.68	1.04		0	0	0.0							
20	Duck Ck	DuckCk	12613		580.69	609.61	1.05		581.18	609.61	1.05		0	0	0.0							
20	Duck Ck	DuckCk	12306		583.34	609.57	0.78		583.21	609.57	0.78		0	0	0.0							
20	Duck Ck	DuckCk	11932		587.1	609.52	0.9		586.92	609.52	0.9		0	0	0.0							
20	Duck Ck	DuckCk	11876		587.47	609.5	1.15		587.41	609.5	1.15		0	0	0.0							
20	Duck Ck	DuckCk	11801		587.96	609.5	0.86		588.15	609.5	0.86		0	0	0.0							
20	Duck Ck	DuckCk	11485		590.63	609.47	0.8		591.31	609.47	0.8		1	0	0.0							
20	Duck Ck	DuckCk	10998		595.56	609.41	0.95		595.71	609.41	0.95		0	0	0.0							
20	Duck Ck	DuckCk	10813		597.07	609.4	0.72		597.56	609.4	0.72		0	0	0.0							
20	Duck Ck	DuckCk	10553		599.39	609.38	0.77		599.79	609.38	0.77		0	0	0.0							
20	Duck Ck	DuckCk	10293		601.52	609.36	0.84		602.18	609.36	0.85		1	0	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		601.83	609.34	0.68		602.16	609.33	0.68		0	-0.01	0.0							
20	Duck Ck	DuckCk	9854		606.13	609.31	0.77		606.33	609.31	0.77		0	0	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		610.01	609.28	0.8		0	0	0.0							
20	Duck Ck	DuckCk	9287		612.43	609.27	0.56		612.32	609.27	0.56		0	0	0.0							
20	Duck Ck	DuckCk	9053		614.58	609.26	0.7		614.8	609.25	0.7		0	-0.01	0.0							
20	Duck Ck	DuckCk	8833		617.05	609.25	0.62		617.3	609.24	0.62		0	-0.01	0.0							
20	Duck Ck	DuckCk	8619		820.47	609.22	1.03		820.36	609.22	1.03		0	0	0.0							
20	Duck Ck	DuckCk	8373		823.32	609.2	0.55		823.08	609.2	0.55		0	0	0.0							
20	Duck Ck	DuckCk	8099		826.08	609.2	0.36		825.97	609.19	0.36		0	-0.01	0.0							
20	Duck Ck	DuckCk	7623		828.65	609.19	0.43		828.91	609.18	0.43		0	-0.01	0.0							
20	Duck Ck	DuckCk	7254		832.96	609.18	0.56		832.71	609.17	0.56		0	-0.01	0.0							
20	Duck Ck	DuckCk	6856		836.61	609.17	0.46		837.03	609.16	0.46		0	-0.01	0.0							
20	Duck Ck	DuckCk	6359		841.68	609.15	0.73		842.08	609.14	0.73		0	-0.01	0.0							
20	Duck Ck	DuckCk	6163		843.47	609.14	0.6		843.67	609.14	0.6		0	0	0.0							
20	Duck Ck	DuckCk	5848		848.33	609.13	0.27		848.37	609.13	0.27		0	0	0.0							
20	Duck Ck	DuckCk	5638		852.04	609.13	0.37		852.42	609.13	0.37		0	0	0.0							
20	Duck Ck	DuckCk	5361		854.72	609.12	0.77		854.88	609.12	0.77		0	0	0.0							
20	Duck Ck	DuckCk	4639		862.05	609.1	0.43		861.99	609.1	0.43		0	0	0.0							
20	Duck Ck	DuckCk	4257		866.35	609.1	0.42		866.94	609.09	0.42		1	-0.01	0.0							
20	Duck Ck	DuckCk	4109		868.43	609.09	0.35		868.88	609.09	0.35		0	0	0.0							
20	Duck Ck	DuckCk	3892		869.9	609	2.63		870.21	609	2.63		0	0	0.0	20	1	0	0.00	-0.01	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		865.72	608.54	2.7		865.93	608.54	2.71		0	0	0.0							
19	Duck Ck	DuckCk	3668		868.14	608.57	0.77		868.7	608.57	0.77		1	0	0.0							
19	Duck Ck	DuckCk	3440		870.56	608.57	0.5		870.54	608.56	0.5		0	-0.01	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		721.69	606.85	2.03		717.51	606.83	2.02		-4	-0.02	0.0							
19	Duck Ck	DuckCk	3342		719.57	606.75	3.38		716.04	606.73	3.37		-4	-0.02	0.0	19	1	-4	0.00	-0.02	0.0	0.0
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.35	606.05	4.12		675.39	606.03	4.09		-6	-0.02	0.0							
18	Duck Ck	DuckCk	3203		686.78	606.17	1.57		681.99	606.16	1.56		-5	-0.01	0.0							
18	Duck Ck	DuckCk	3126		687.25	606.16	1.03		682.02	606.14	1.02		-5	-0.02	0.0							
18	Duck Ck	DuckCk	2965		688.11	606.13	1.01		683.49	606.12	1		-5	-0.01	0.0							
18	Duck Ck	DuckCk	2849		688.83	606.11	0.99		683.33	606.1	0.98		-6	-0.01	0.0							
18	Duck Ck	DuckCk	2794		688.17	606.1	1.03		683.89	606.09	1.03		-4	-0.01	0.0							
18	Duck Ck	DuckCk	2687		689.3	606.09	0.88		684.61	606.08	0.87		-5	-0.01	0.0							
18	Duck Ck	DuckCk	2524		689.6	606.07	0.89		684.63	606.06	0.89		-5	-0.01	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.21	606.06	0.85		684.26	606.05	0.85		-4	-0.01	0.0							
18	Duck Ck	DuckCk	2183		690.38	606.04	0.92		685.37	606.02	0.91		-5	-0.02	0.0							
18	Duck Ck	DuckCk	2053		691.18	606.01	0.87		686.26	606	0.87		-5	-0.01	0.0							
18	Duck Ck	DuckCk	1765		691.13	605.96	1.13		686.01	605.95	1.12		-5	-0.01	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		667.65	605.48	0.88		662.01	605.47	0.87		-6	-0.01	0.0							
18	Duck Ck	DuckCk	1358		669.04	605.47	0.81		663.09	605.46	0.81		-6	-0.01	0.0							
18	Duck Ck	DuckCk	960		672.45	605.45	0.5		666.63	605.45	0.5		-6	0	0.0							
18	Duck Ck	DuckCk	792		672.7	605.45	0.36		668.17	605.45	0.36		-5	0	0.0							
18	Duck Ck	DuckCk	572		673.06	605.41	1.3		667.61	605.41	1.29		-5	0	0.0							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		666.22	605.31	0.97		662.46	605.31	0.97		-4	0	0.0							
18	Duck Ck	DuckCk	264		665.71	605.31	0.79		662.22	605.31	0.79		-3	0	0.0	18	-3	-6	0.00	-0.02	0.0	0.0
15	Deep	JSLakeGeorg	124902		114.79	687.36	0.47		115.46	687.36	0.47		1	0	0.0							
15	Deep	JSLakeGeorg	124901		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	124398		201.76	687.29	0.76		201.73	687.29	0.76		0	0	0.0							
15	Deep	JSLakeGeorg	124110		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	123855		153.33	687.23	0.65		153.22	687.23	0.65		0	0	0.0							
15	Deep	JSLakeGeorg	123542		152.88	687.19	0.71		152.97	687.19	0.71		0	0	0.0							
15	Deep	JSLakeGeorg	123075		124.64	687.15	0.55		124.27	687.15	0.55		0	0	0.0							
15	Deep	JSLakeGeorg	122731		53.12	687.14	0.09		53.25	687.14	0.09		0	0	0.0							
15	Deep	JSLakeGeorg	122478		43.97	687.14	0.08		43.87	687.14	0.08		0	0	0.0							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.98	687.13	0.1		44.04	687.13	0.1		0	0	0.0							
15	Deep	JSLakeGeorg	122375		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	122102		45.06	687.13	0.11		45.04	687.13	0.11		0	0	0.0							
15	Deep	JSLakeGeorg	121717		45.21	687.13	0.17		45.18	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121716		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	121393		40.39	687.13	0.17		40.47	687.13	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	121027		40.5	687.12	0.17		40.47	687.12	0.17		0	0	0.0							
15	Deep	JSLakeGeorg	120696		248.25	687.11	0.6		248.18	687.11	0.6		0	0	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.28	687.08	1.04		248.26	687.08	1.04		0	0	0.0							

15	Deep	JSLakeGeorg	120591		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	120543		165.62	687.09	0.58		165.64	687.09	0.58		0	0	0.0							
15	Deep	JSLakeGeorg	120117		165.53	687.04	0.73		165.53	687.04	0.73		0	0	0.0							
15	Deep	JSLakeGeorg	119813		166.33	687.01	0.57		166.39	687.01	0.57		0	0	0.0							
15	Deep	JSLakeGeorg	119448		230.21	686.93	0.95		229.52	686.93	0.95		-1	0	0.0							
15	Deep	JSLakeGeorg	119071		263.17	686.81	1.11		263.89	686.81	1.11		1	0	0.0							
15	Deep	JSLakeGeorg	118751		262.93	686.71	1.13		263.46	686.71	1.13		1	0	0.0							
15	Deep	JSLakeGeorg	118584		262.56	686.64	1.21		262.85	686.64	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	118525		262.81	686.62	1.19		262.32	686.62	1.19		0	0	0.0							
15	Deep	JSLakeGeorg	118508		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	118358		269.55	686.57	1.08		269.94	686.57	1.08		0	0	0.0							
15	Deep	JSLakeGeorg	117980		270	686.47	1.03		270.47	686.47	1.03		0	0	0.0							
15	Deep	JSLakeGeorg	117631		268.77	686.35	1.15		267.88	686.35	1.15		-1	0	0.0							
15	Deep	JSLakeGeorg	117334		266.03	686.26	0.99		266.72	686.26	0.99		1	0	0.0							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		259.88	686.14	1.2		0	0	0.0							
15	Deep	JSLakeGeorg	116834		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116736		253.3	686.04	1.12		253.59	686.04	1.13		0	0	0.0							
15	Deep	JSLakeGeorg	116606		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	116585		246.84	685.95	1.36		244.85	685.95	1.34		-2	0	0.0							
15	Deep	JSLakeGeorg	116289		232.81	685.83	1.01		233.16	685.83	1.02		0	0	0.0							
15	Deep	JSLakeGeorg	115998		220.85	685.74	1.07		220.78	685.74	1.07		0	0	0.0							
15	Deep	JSLakeGeorg	115832		218.18	685.71	0.89		218.11	685.71	0.89		0	0	0.0							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.34	685.71	0.77		218.12	685.71	0.77		0	0	0.0							
15	Deep	JSLakeGeorg	115310		212.9	685.66	0.81		211.2	685.66	0.81		-2	0	0.0							
15	Deep	JSLakeGeorg	114871		279.53	685.57	0.95		279.54	685.57	0.95		0	0	0.0							
15	Deep	JSLakeGeorg	114397		277.19	685.47	1		277.6	685.47	1		0	0	0.0							
15	Deep	JSLakeGeorg	113918		328.96	685.23	1.47		328.55	685.23	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	113720		331.99	685.14	1.35		332.41	685.14	1.35		0	0	0.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.18	685.1	1.28		332.12	685.1	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	113233		338.53	684.98	1.92		338.59	684.98	1.92		0	0	0.0							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.75	684.94	1.46		338.59	684.94	1.46		0	0	0.0							
15	Deep	JSLakeGeorg	113058		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	112472		353.56	684.83	1.44		353.26	684.83	1.44		0	0	0.0							
15	Deep	JSLakeGeorg	111932		366.95	684.6	1.49		367.46	684.6	1.5		1	0	0.0							
15	Deep	JSLakeGeorg	111538		376.14	684.37	1.48		375.28	684.37	1.47		-1	0	0.0							
15	Deep	JSLakeGeorg	111058		387.11	684.02	1.58		386.95	684.02	1.58		0	0	0.0							
15	Deep	JSLakeGeorg	110793		394.44	683.88	1.05		394.67	683.88	1.05		0	0	0.0							
15	Deep	JSLakeGeorg	110465		404.49	683.71	1.47		404.6	683.71	1.47		0	0	0.0							
15	Deep	JSLakeGeorg	110181		413.37	683.58	1.58		412.83	683.58	1.58		-1	0	0.0							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.16	683.58	1.4		413.04	683.58	1.4		0	0	0.0							
15	Deep	JSLakeGeorg	110128		412.96	683.58	1.41		412.82	683.58	1.41		0	0	0.0							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.23	683.57	1.24		413.09	683.57	1.24		0	0	0.0							
15	Deep	JSLakeGeorg	109523		429.26	683.42	1.34		428.89	683.42	1.34		0	0	0.0							
15	Deep	JSLakeGeorg	109022		444.09	683.24	1.22		444.2	683.24	1.22		0	0	0.0							
15	Deep	JSLakeGeorg	108612		457.21	683.03	1.61		456.94	683.03	1.61		0	0	0.0							
15	Deep	JSLakeGeorg	108112		473.08	682.77	1.38		473.08	682.77	1.38		0	0	0.0							
15	Deep	JSLakeGeorg	107495		492.92	682.54	1.38		492.63	682.54	1.37		0	0	0.0							
15	Deep	JSLakeGeorg	107156		503.53	682.42	1.36		503.72	682.42	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	106585		503.67	682.3	0.91		503.48	682.3	0.91		0	0	0.0							
15	Deep	JSLakeGeorg	106334		503.47	682.22	1.27		503.56	682.22	1.27		0	0	0.0							
15	Deep	JSLakeGeorg	105972		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	105956		503.59	682.09	1.28		503.51	682.09	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	105573		503.44	681.91	1.59		503.43	681.91	1.59		0	0	0.0							
15	Deep	JSLakeGeorg	105254		561.18	681.84	0.88		561.05	681.84	0.88		0	0	0.0							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		560.79	681.63	0.99		560.85	681.63	0.99		0	0	0.0							
15	Deep	JSLakeGeorg	104691		560.96	681.58	1.16		560.99	681.58	1.16		0	0	0.0							
15	Deep	JSLakeGeorg	104222		560.77	681.46	1.28		560.87	681.46	1.28		0	0	0.0							
15	Deep	JSLakeGeorg	104061		560.3	681.42	1.39		560.64	681.42	1.39		0	0	0.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		560.56	680.91	1.36		560.64	680.91	1.36		0	0	0.0							
15	Deep	JSLakeGeorg	103528		560.15	680.78	1.54		559.53	680.78	1.54		-1	0	0.0							
15	Deep	JSLakeGeorg	103234		559.57	680.69	1.21		559.29	680.69	1.21		0	0	0.0							
15	Deep	JSLakeGeorg	102805		644.35	680.51	1.65		644.43	680.51	1.65		0	0	0.0							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		644.15	680.28	2.03		0	0	0.0							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.65	679.44	1.79		644.35	679.44	1.79		0	0	0.0							
15	Deep	JSLakeGeorg	101989		Lat Struct				Lat Struct					0	0.0							
15	Deep	JSLakeGeorg	101538		644.07	679.05	2.2		644.31	679.05	2.2		0	0	0.0							
15	Deep	JSLakeGeorg	100981		643.16	678.5	1.95		643.36	678.5	1.95		0	0	0.0							
15	Deep	JSLakeGeorg	100383		359.78	678.32	0.79		359.1	678.32	0.78		-1	0	0.0							
15	Deep	JSLakeGeorg	99713		355.17	678.24	0.85		355.34	678.24	0.85		0	0	0.0							
15	Deep	JSLakeGeorg	99064		411.84	678.16	0.93		411.48	678.16	0.93		0	0	0.0							
15	Deep	JSLakeGeorg	98521		315.74	678.12	0.64		315.65	678.12	0.64		0	0	0.0							
15	Deep	JSLakeGeorg	97818		917.11	677.96	1.87		917.26	677.96	1.87		0	0	0.0	15	1	-2	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.52	677.53	1.88		917.84	677.53	1.88		0	0	0.0							
14	Deep	JSLakeGeorg	96861		917.41	677.47	0.91		917.76	677.47	0.91		0	0	0.0							
14	Deep	JSLakeGeorg	96112		1063.92	677.21	1.53		1063.69	677.21	1.53		0	0	0.0							
14	Deep	JSLakeGeorg	95541		1059.05	676.7	2.46		1059.52	676.7	2.46		0	0	0.0							
14	Deep	JSLakeGeorg	95034		943.1	676.3	1.9		941.63	676.3	1.89		-1	0	0.0							
14	Deep	JSLakeGeorg	94436		914.36	675.88	2.16		912.91	675.88	2.16		-1	0	0.0							
14	Deep	JSLakeGeorg	93802		877.37	675.55	1.71		878.42	675.55	1.71		1	0	0.0							
14	Deep	JSLakeGeorg	93297		868.85	675.38	1.26		869.27	675.38	1.26		0	0	0.0							
14	Deep	JSLakeGeorg	93206		Lat Struct				Lat Struct					0	0.0							
14	Deep	JSLakeGeorg	92606		1130.83	675.17	1.37		1130.89	675.17	1.37		0	0	0.0							
14	Deep	JSLakeGeorg	91967		1130.9	675.04	1.34		1131.03	675.04	1.34		0	0	0.0							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.11	674.92	1.96		1131.12	674.92	1.96		0	0	0.0							
14	Deep	JSLakeGeorg	91400		1135.08	674.67	2.15		1135.35	674.67	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	90843		1141.04	674.47	0.81		1141.04	674.47	0.81		0	0	0.0							
14	Deep	JSLakeGeorg	90268		1147.05	674.24	1.86		1147.17	674.24	1.86		0	0	0.0							
14	Deep	JSLakeGeorg	89708		1152.99	673.92	1.98		1153.02	673.92	1.98		0	0	0.0							
14	Deep	JSLakeGeorg	89139		1159.16	673.73	1.4		1159.11	673.73	1.4		0	0	0.0							
14	Deep	JSLakeGeorg	88645		1164.31	673.51	1.74		1164.32	673.51	1.74		0	0	0.0							
14	Deep	JSLakeGeorg	88132		1169.51	673.19	2.15		1169.47	673.19	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	87170		1179.73	672.56	2.05		1179.66	672.56	2.05		0	0	0.0							
14	Deep	JSLakeGeorg	86814		1183.27	672.29	2.3		1183.52	672.29	2.3		0	0	0.0							
14	Deep	JSLakeGeorg	86497		1187.07	672.16	1.27		1186.95	672.16	1.27		0	0	0.0							
14	Deep	JSLakeGeorg	86248		1189.72	671.99	2.15		1189.71	671.99	2.15		0	0	0.0							
14	Deep	JSLakeGeorg	85858		1193.81	671.66	2.23		1193.68	671.66	2.23		0	0	0.0							
14	Deep	JSLakeGeorg	85406		1198.25	671.33	2.19		1198.02	671.33	2.19		0	0	0.0							

14	Deep	JSLakeGeorg	84957		1202.56	670.93	2.57		1202.3	670.93	2.57		0	0	0.0						
14	Deep	JSLakeGeorg	84375		1208.14	670.3	3		1208.14	670.3	3		0	0	0.0						
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0						
14	Deep	JSLakeGeorg	84262		1208.32	670.19	3.16		1208.31	670.19	3.16		0	0	0.0						
14	Deep	JSLakeGeorg	83723		1213.73	669.85	1.84		1214.04	669.85	1.84		0	0	0.0						
14	Deep	JSLakeGeorg	83093		1220.07	669.47	1.73		1220.27	669.47	1.73		0	0	0.0						
14	Deep	JSLakeGeorg	82750		1223.88	669.28	1.85		1223.86	669.28	1.85		0	0	0.0						
14	Deep	JSLakeGeorg	82364		1227.46	669.04	2.03		1227.68	669.04	2.03		0	0	0.0						
14	Deep	JSLakeGeorg	81844		1232.92	668.84	1		1232.76	668.84	1		0	0	0.0						
14	Deep	JSLakeGeorg	81294		1238.48	668.73	0.97		1238.32	668.73	0.97		0	0	0.0						
14	Deep	JSLakeGeorg	80717		1244.73	668.43	2.09		1244.57	668.43	2.09		0	0	0.0						
14	Deep	JSLakeGeorg	80186		1250.43	668.03	2.33		1250.43	668.03	2.33		0	0	0.0						
14	Deep	JSLakeGeorg	79604		1256.32	667.68	2.06		1256.25	667.68	2.06		0	0	0.0						
14	Deep	JSLakeGeorg	79148		1260.43	667.42	1.93		1260.47	667.42	1.93		0	0	0.0						
14	Deep	JSLakeGeorg	78803		1259.77	667.15	2.47		1259.91	667.15	2.48		0	0	0.0						
14	Deep	JSLakeGeorg	78407		1257.74	666.87	2.22		1257.75	666.87	2.22		0	0	0.0	14	1	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	78285		1256.71	666.7	2.7		1256.51	666.7	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	77848		1253.86	666.44	2.12		1253.41	666.44	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	77566		1250.02	666.25	1.96		1249.25	666.25	1.96		-1	0	0.0						
13	Deep	JSLakeGeorg	77073		1436.84	665.89	2.03		1436.78	665.89	2.03		0	0	0.0						
13	Deep	JSLakeGeorg	76478		1436.62	665.58	1.69		1436.67	665.58	1.69		0	0	0.0						
13	Deep	JSLakeGeorg	76044		1440.1	665.45	1.36		1440.2	665.45	1.36		0	0	0.0						
13	Deep	JSLakeGeorg	75777		1442.35	665.35	1.64		1442.49	665.35	1.64		0	0	0.0						
13	Deep	JSLakeGeorg	75408		1445.34	665.22	1.44		1445.21	665.22	1.44		0	0	0.0						
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	75316		1445.33	665.16	1.42		1445.58	665.16	1.42		0	0	0.0						
13	Deep	JSLakeGeorg	74938		1449.01	664.88	2.42		1449.19	664.88	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		1429.26	664.6	2.42		0	0	0.0						
13	Deep	JSLakeGeorg	74229		1434.92	664.37	1.72		1435.01	664.37	1.72		0	0	0.0						
13	Deep	JSLakeGeorg	73723		1434.41	663.89	2.84		1434.22	663.89	2.84		0	0	0.0						
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0						
13	Deep	JSLakeGeorg	73616		1331.59	663.83	2.5		1331.45	663.83	2.5		0	0	0.0						
13	Deep	JSLakeGeorg	73500		1326.73	663.76	2.34		1326.62	663.76	2.34		0	0	0.0						
13	Deep	JSLakeGeorg	72900		1516.72	663.16	2.1		1516.67	663.16	2.1		0	0	0.0						
13	Deep	JSLakeGeorg	72028		1516.68	662.28	2.53		1516.45	662.28	2.53		0	0	0.0						
13	Deep	JSLakeGeorg	71320		1516.35	661.73	1.46		1516.55	661.73	1.46		0	0	0.0						
13	Deep	JSLakeGeorg	71053		1516.58	661.62	2.25		1516.59	661.62	2.25		0	0	0.0						
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	70937		1516.43	661.38	3.21		1516.51	661.38	3.21		0	0	0.0						
13	Deep	JSLakeGeorg	70139		1516.03	660.86	1.97		1516.03	660.86	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	69435		1515.86	660.28	0.95		1515.64	660.28	0.95		0	0	0.0						
13	Deep	JSLakeGeorg	68193		1513.92	659.83	1.55		1514.02	659.83	1.55		0	0	0.0						
13	Deep	JSLakeGeorg	66864		1740.55	659.03	1.81		1740.41	659.03	1.81		0	0	0.0						
13	Deep	JSLakeGeorg	66388		1751.33	658.65	1.7		1751.25	658.65	1.7		0	0	0.0						
13	Deep	JSLakeGeorg	65488		1768.35	657.5	2.69		1768.25	657.5	2.69		0	0	0.0						
13	Deep	JSLakeGeorg	64654		1782.81	656.2	2.21		1782.89	656.2	2.21		0	0	0.0						
13	Deep	JSLakeGeorg	63857		1799.25	655.26	1.78		1799.29	655.26	1.78		0	0	0.0						
13	Deep	JSLakeGeorg	63247		1811.34	654.81	1.59		1811.21	654.81	1.59		0	0	0.0						
13	Deep	JSLakeGeorg	62532		1824.5	654.54	0.65		1824.61	654.54	0.65		0	0	0.0						
13	Deep	JSLakeGeorg	62169		1833.49	654.35	3.23		1833.44	654.35	3.23		0	0	0.0						
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0						
13	Deep	JSLakeGeorg	62050		1833.84	654.31	3.2		1833.75	654.31	3.2		0	0	0.0						
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		1842.28	654.04	1.91		0	0	0.0						
13	Deep	JSLakeGeorg	61270		1850.35	653.64	1.97		1850.33	653.64	1.97		0	0	0.0						
13	Deep	JSLakeGeorg	61156		1853.54	653.47	1.88		1853.41	653.47	1.88		0	0	0.0						
13	Deep	JSLakeGeorg	60978		1859.06	653.25	1.52		1858.69	653.25	1.52		0	0	0.0						
13	Deep	JSLakeGeorg	60509		1870.12	652.75	2.02		1870.16	652.75	2.02		0	0	0.0						
13	Deep	JSLakeGeorg	59758		1882.58	651.82	2.43		1882.72	651.82	2.43		0	0	0.0						
13	Deep	JSLakeGeorg	58574		1899.01	650.7	1.92		1899.13	650.7	1.92		0	0	0.0						
13	Deep	JSLakeGeorg	57350		1918.42	649.76	2.04		1918.42	649.76	2.04		0	0	0.0						
13	Deep	JSLakeGeorg	56397		1935.83	648.74	2.2		1935.87	648.74	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	55724		1950.37	648.02	1.68		1950.33	648.02	1.68		0	0	0.0						
13	Deep	JSLakeGeorg	54755		1966.58	647.32	1.87		1966.49	647.32	1.87		0	0	0.0						
13	Deep	JSLakeGeorg	53123		1988.13	646.51	1.51		1988.06	646.51	1.51		0	0	0.0						
13	Deep	JSLakeGeorg	52077		2007.42	646.08	1.37		2007.2	646.08	1.37		0	0	0.0						
13	Deep	JSLakeGeorg	51203		2023.9	645.49	2.18		2023.89	645.49	2.18		0	0	0.0						
13	Deep	JSLakeGeorg	50734		2021.64	645.02	2.05		2021.7	645.02	2.05		0	0	0.0						
13	Deep	JSLakeGeorg	50234		2307.04	644.53	2.58		2307.04	644.53	2.58		0	0	0.0						
13	Deep	JSLakeGeorg	49556		2306.73	643.78	2.12		2306.7	643.78	2.12		0	0	0.0						
13	Deep	JSLakeGeorg	48301		2306.18	642.98	1.76		2306.24	642.98	1.76		0	0	0.0						
13	Deep	JSLakeGeorg	47270		2306.29	642.25	2.2		2306.26	642.25	2.2		0	0	0.0						
13	Deep	JSLakeGeorg	46606		2306.09	641.69	3.42		2306.04	641.69	3.42		0	0	0.0	13	0	-1	0.00	0.00	0.0	0.0
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	46376		2305.87	641.2	3.33		2306	641.2	3.33		0	0	0.0						
12	Deep	JSLakeGeorg	45906		2305.94	640.92	2.11		2305.75	640.92	2.11		0	0	0.0						
12	Deep	JSLakeGeorg	45247		2313.8	639.84	2.9		2313.77	639.84	2.9		0	0	0.0						
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2319.94	638.7	3.02		0	0	0.0						
12	Deep	JSLakeGeorg	44232		2325.24	637.66	3.2		2325.18	637.66	3.2		0	0	0.0						
12	Deep	JSLakeGeorg	43908		2329.98	637	3.76		2329.81	637	3.76		0	0	0.0						
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43837		2329.73	636.63	5.07		2329.85	636.63	5.07		0	0	0.0						
12	Deep	JSLakeGeorg	43461		2334.32	636.09	5.08		2334.61	636.09	5.09		0	0	0.0						
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	43390		2334.85	636.08	4.73		2334.74	636.08	4.73		0	0	0.0						
12	Deep	JSLakeGeorg	43242		2335.65	635.82	3.65		2335.93	635.82	3.65		0	0	0.0						
12	Deep	JSLakeGeorg	43046		2337.42	635.29	3.07		2337.49	635.29	3.07		0	0	0.0						
12	Deep	JSLakeGeorg	43012		2338.64	635.12	4.42		2338.4	635.12	4.42		0	0	0.0						
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0						
12	Deep	JSLakeGeorg	42973		2338.87	635.12	3.42		2338.39	635.12	3.42		0	0	0.0						
12	Deep	JSLakeGeorg	42477		2340.97	634.79	2.45		2341.33	634.79	2.45		0	0	0.0						
12	Deep	JSLakeGeorg	41418		2351.52	634.04	0.56		2351.45	634.04	0.56		0	0	0.0						
12	Deep	JSLakeGeorg	39881		2362.67	633.36	2.16		2362.4	633.36	2.16		0	0	0.0						
12	Deep	JSLakeGeorg	39554		2366.81	633.04	1.62		2366.89	633.04	1.62		0	0	0.0						
12	Deep	JSLakeGeorg	38999		2371.85	632.77	1.67		2371.67	632.77	1.67		0	0	0.0						
12	Deep	JSLakeGeorg	38116		2379.44	632.39	1.57		2379.39	632.39	1.57		0	0	0.0						
12	Deep	JSLakeGeorg	37703		2384.8	632.03	4.29		2384.68	632.03	4.29		0	0	0.0						
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0						
12	Deep	JSLakeGeorg	37554		2384.27	629.91	4.81		2384.24	629.91	4.81		0	0	0.0						
12	Deep	JSLakeGeorg	36999		2391.12	629.33	2.2		2391.16	629.33	2.2		0	0	0.0						
12	Deep	JSLakeGeorg	36181		2399.5	628.19	2.31		2399.77	628.19	2.31		0	0	0.0						
12	Deep	JSLakeGeorg	35034		2406.95	627.21	2.07		2406.52	627.21	2.07		0	0	0.0						
12	Deep	JSLakeGeorg	34012		2414.9	626.27	2.17		2414.99	626.27	2.17		0	0	0.0						
12	Deep	JSLakeGeorg	33338		2421.95	625.71	1.52		2421.72	625.71	1.52		0	0	0.0						
12	Deep	JSLakeGeorg	32345		2429.09	625.16	2.88		2429.32	625.16	2.88		0	0	0.0						
12	Deep	JSLakeGeorg	31526		2438.72	624.62	3.12		2438.45	624.62	3.11		0	0	0.0						
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0						

12	Deep	USLakeGeorg	31444		2438.63	624.18	4.62		2438.45	624.18	4.62		0	0	0.0						
12	Deep	USLakeGeorg	30859		2444.67	623.78	1.85		2445.19	623.78	1.85		1	0	0.0						
12	Deep	USLakeGeorg	30141		2451.98	623.29	1.41		2452.41	623.29	1.41		0	0	0.0						
12	Deep	USLakeGeorg	28772		2464.34	622.22	1.84		2464.08	622.22	1.84		0	0	0.0						
12	Deep	USLakeGeorg	27969		2471.72	621.45	1.72		2471.51	621.45	1.72		0	0	0.0						
12	Deep	USLakeGeorg	26706		2478.1	620.78	1.73		2478.32	620.78	1.73		0	0	0.0						
12	Deep	USLakeGeorg	25820		2483.58	620.3	1.61		2483.54	620.3	1.61		0	0	0.0						
12	Deep	USLakeGeorg	24753		2490.4	619.7	1.79		2489.75	619.7	1.79		-1	0	0.0						
12	Deep	USLakeGeorg	24277		2494.64	619.37	1.56		2494.39	619.37	1.56		0	0	0.0						
12	Deep	USLakeGeorg	23302		2502.89	618.89	1.36		2502.74	618.89	1.36		0	0	0.0						
12	Deep	USLakeGeorg	22507		2510.48	618.56	1.37		2510.6	618.56	1.37		0	0	0.0						
12	Deep	USLakeGeorg	21518		2518.26	618.09	1.86		2517.73	618.09	1.86		-1	0	0.0						
12	Deep	USLakeGeorg	20795		2524.78	617.62	1.51		2524.48	617.62	1.51		0	0	0.0						
12	Deep	USLakeGeorg	20086		2532.31	617.28	1.61		2532.03	617.28	1.61		0	0	0.0						
12	Deep	USLakeGeorg	19928		2533.96	617.21	1.54		2533.77	617.21	1.54		0	0	0.0						
12	Deep	USLakeGeorg	19407		2538.86	616.99	3.49		2539.19	616.99	3.49		0	0	0.0	12	1	-1	0.00	0.00	0.0	0.0
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0						
11	Deep	USLakeGeorg	19273		2540.3	616.97	3.07		2539.22	616.97	3.07		-1	0	0.0						
11	Deep	USLakeGeorg	18982		2543.99	616.88	1.61		2543.14	616.88	1.61		-1	0	0.0						
11	Deep	USLakeGeorg	18179		2550.73	616.43	1.96		2551.06	616.43	1.96		0	0	0.0						
11	Deep	USLakeGeorg	16616		2561.57	615.44	2.06		2560.72	615.44	2.06		-1	0	0.0						
11	Deep	USLakeGeorg	16067		2561.49	615.05	1.29		2560.5	615.05	1.29		-1	0	0.0						
11	Deep	USLakeGeorg	15127		2560.91	614.79	1.18		2560.49	614.79	1.18		0	0	0.0						
11	Deep	USLakeGeorg	14039		2561	614.48	1.27		2560.65	614.48	1.27		0	0	0.0						
11	Deep	USLakeGeorg	12507		2561.33	614.08	1.39		2559.95	614.08	1.39		-1	0	0.0						
11	Deep	USLakeGeorg	11631		2850.66	613.9	0.72		2848.47	613.9	0.72		-2	0	0.0						
11	Deep	USLakeGeorg	10855		2850.29	613.75	1.05		2848.01	613.75	1.05		-2	0	0.0						
11	Deep	USLakeGeorg	9782		2850.04	613.47	2.87		2848.14	613.47	2.87		-2	0	0.0	11	0	-2	0.00	0.00	0.0	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	9630		2850.04	613.26	2.83		2848.09	613.26	2.83		-2	0	0.0						
10	Deep	USLakeGeorg	9188		2850.25	613.18	1.46		2848.11	613.18	1.46		-2	0	0.0						
10	Deep	USLakeGeorg	8897		2849.49	613.11	0.81		2847.91	613.11	0.81		-2	0	0.0						
10	Deep	USLakeGeorg	8295		2850.49	612.98	1.66		2847.58	612.98	1.65		-3	0	0.0						
10	Deep	USLakeGeorg	8102		2886.72	612.88	1		2884.8	612.88	1		-2	0	0.0						
10	Deep	USLakeGeorg	7054		2887.31	612.57	1.92		2884.48	612.58	1.92		-3	0.01	0.0						
10	Deep	USLakeGeorg	6756		2886.75	612.37	1.41		2884.12	612.37	1.41		-3	0	0.0						
10	Deep	USLakeGeorg	6208		2886.93	612.09	1.76		2883.79	612.1	1.76		-3	0.01	0.0						
10	Deep	USLakeGeorg	5892		2886.79	611.97	1.73		2884.21	611.97	1.73		-3	0	0.0						
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0						
10	Deep	USLakeGeorg	5782		2887.38	611.88	2.03		2884.17	611.89	2.02		-3	0.01	0.0						
10	Deep	USLakeGeorg	5461		2886.67	611.83	1.11		2883.4	611.84	1.11		-3	0.01	0.0						
10	Deep	USLakeGeorg	5071		2887.09	611.76	0.87		2884.02	611.76	0.86		-3	0	0.0						
10	Deep	USLakeGeorg	4635		2886.31	611.7	1.39		2883.38	611.71	1.39		-3	0.01	0.0						
10	Deep	USLakeGeorg	3552		2885.42	611.57	0.92		2883.63	611.57	0.92		-2	0	0.0						
10	Deep	USLakeGeorg	2936		2886.32	611.49	1.03		2881.73	611.5	1.03		-5	0.01	0.0						
10	Deep	USLakeGeorg	1907		2882.89	611.38	1.52		2882.31	611.39	1.52		-1	0.01	0.0						
10	Deep	USLakeGeorg	1253		2883.21	611.23	1.3		2879.98	611.24	1.3		-3	0.01	0.0						
10	Deep	USLakeGeorg	620		2880.81	611.15	1.69		2878.26	611.16	1.69		-3	0.01	0.0	10	-1	-5	0.01	0.00	0.0	0.0
9	Deep	USDuck	75919.1		5039.01	611.03	2.17		5046.41	611.03	2.17		7	0	0.0						
9	Deep	USDuck	75919		5039.19	611.03	2.17		5046.16	611.03	2.17		7	0	0.0						
9	Deep	USDuck	74577		5044.4	610.97	0.59		5053.69	610.98	0.59		9	0.01	0.0						
9	Deep	USDuck	73646		5047.21	610.96	0.5		5057.15	610.97	0.5		10	0.01	0.0						
9	Deep	USDuck	73085		5050.26	610.96	0.55		5059.84	610.96	0.55		10	0	0.0						
9	Deep	USDuck	72588		5052.92	610.95	0.79		5062.31	610.95	0.79		9	0	0.0						
9	Deep	USDuck	72272		5054.77	610.89	1.98		5064.1	610.9	1.98		9	0.01	0.0	9	10	7	0.01	0.00	0.0	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0						
8	Deep	USDuck	72091		5051.06	610.07	3.41		5057.43	610.08	3.42		6	0.01	0.0						
8	Deep	USDuck	71748		5054.02	610.12	0.94		5060.51	610.13	0.94		6	0.01	0.0						
8	Deep	USDuck	71471		5055.99	610.12	0.83		5062.3	610.13	0.83		6	0.01	0.0						
8	Deep	USDuck	70800		5059.34	610.11	0.76		5066.81	610.12	0.76		7	0.01	0.0						
8	Deep	USDuck	70081		5063.25	610.09	0.92		5069.11	610.1	0.92		6	0.01	0.0						
8	Deep	USDuck	69112		5067.38	610.07	1		5074.43	610.08	1		7	0.01	0.0						
8	Deep	USDuck	68349		5071.68	610.07	0.63		5078.57	610.07	0.63		7	0	0.0						
8	Deep	USDuck	68057		5072.31	610.04	1.66		5079.65	610.04	1.66		7	0	0.0						
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0						
8	Deep	USDuck	67862		5073.96	610.02	1.01		5080.21	610.03	1.01		6	0.01	0.0						
8	Deep	USDuck	67287		5076.95	610.02	0.57		5083.25	610.03	0.57		6	0.01	0.0						
8	Deep	USDuck	66449		5081.12	610.01	0.83		5087.42	610.02	0.83		6	0.01	0.0						
8	Deep	USDuck	65658		5085.34	610.01	0.6		5091.22	610.01	0.6		6	0	0.0						
8	Deep	USDuck	64951		5089.01	610	0.6		5095.09	610.01	0.6		6	0.01	0.0						
8	Deep	USDuck	64403		5091.25	609.98	1.11		5097.69	609.99	1.11		6	0.01	0.0						
8	Deep	USDuck	64140		5092.77	609.79	4.01		5098.94	609.8	4.01		6	0.01	0.0						
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0						
8	Deep	USDuck	63973		5092.78	608.91	3.38		5098.52	608.91	3.38		6	0	0.0						
8	Deep	USDuck	63867		5092.85	609	2.06		5099.48	609	2.06		7	0	0.0						
8	Deep	USDuck	63747		5093.49	608.99	1.98		5099.79	608.99	1.98		6	0	0.0						
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0						
8	Deep	USDuck	63518		5093.95	608.73	2.09		5099.35	608.74	2.09		5	0.01	0.0						
8	Deep	USDuck	63249		5095.35	608.77	0.84		5101.34	608.77	0.84		6	0	0.0						
8	Deep	USDuck	62725		5095.54	608.77	0.4		5101.4	608.77	0.4		6	0	0.0						
8	Deep	USDuck	62349		5095.3	608.77	0.41		5101.36	608.77	0.41		6	0	0.0	8	7	5	0.01	0.00	0.0	0.0
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0						
7	Deep	USDuck	62095		5093.01	605.76	2.15		5098.71	605.75	2.16		6	-0.01	0.0						
7	Deep	USDuck	61997		5092.62	605.79	1.26		5099	605.79	1.26		6	0	0.0						
7	Deep	USDuck	61825		5092.12	605.73	2.21		5097.93	605.73	2.22		6	0	0.0						
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0						
7	Deep	USDuck	61668		5091.62	605.18	3.78		5097.95	605.18	3.78		6	0	0.0						
7	Deep	USDuck	61549		5091.73	605.25	2.77		5097.38	605.25	2.77		6	0	0.0						
7	Deep	DSDuck	961329		5759.13	605.22	2.6		5760.7	605.21	2.6		2	-0.01	0.0						
7	Deep	DSDuck	961230		5756.97	605.22	2.43		5760.59	605.22	2.44		4	0	0.0	7	6	2	0.00	-0.01	0.0	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0						
6	Deep	DSDuck	960993		5757.88	605.08	2.24		5757.74	605.08	2.24		0	0	0.0						
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0						
6	Deep	DSDuck	960895		5757.83	605.09	1.99		5756.8	605.09	1.99		-1	0	0.0						
6	Deep	DSDuck	960679		5757.47	605.06	1.89		5757.91	605.06	1.89		0	0	0.0						
6	Deep	DSDuck	960529		5728.05	605.02	2.17		5729.89	605.02	2.17		2	0	0.0						
6	Deep	DSDuck	959872		4649.33	604.93	1.73		4650.01	604.93	1.73		1	0	0.0						
6	Deep	DSDuck	959178		5755.03	604.83	1.86		5755.56	604.83	1.86		1	0	0.0						
6	Deep	DSDuck	958649		5753.72	604.73	1.98		5754.32	604.73	1.98		1	0	0.0						
6	Deep	DSDuck	957989		5753.48	604.65	1.58		5754.24	604.65	1.58		1	0	0.0						
6	Deep	DSDuck	957262		5753	604.53	2.01		5753.3	604.52	2.01		0	-0.01	0.0						
6	Deep	DSDuck	956509		5752.32	604.37	2.79		5752.03	604.37	2.79		0	0	0.0	6	2	-1	0.00	-0.01	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0						
5	Deep	DSDuck	956282		5749.89	603.84	3.05		5749.43	603.84	3.05		0	0	0.0						
5	Deep	DSDuck	956184		5749.28	603.85	2.65		5749.7	603.85	2.65		0	0	0.0						
5	Deep	DSDuck	956039		5749.92	603.86	2.09		5749.63	603.86	2.1		0	0	0.0						
5	Deep	DSDuck	955916		5749.47	603.85	1.87		5749.86	603.85	1.87		0	0	0.0						

5	Deep	DSDuck	955614		5749.54	603.82	1.84		5749.44	603.82	1.85		0	0	0.0							
5	Deep	DSDuck	954784		5747.43	603.7	2.11		5748.44	603.69	2.11		1	-0.01	0.0							
5	Deep	DSDuck	954658		5782.93	603.46	4.64		5782.98	603.46	4.64		0	0	0.0							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5780.49	603.22	3.38		5778.76	603.22	3.38		-2	0	0.0							
5	Deep	DSDuck	954427		5779.52	603.22	3.38		5779.27	603.22	3.38		0	0	0.0							
5	Deep	DSDuck	954107		5826.35	603.23	2.18		5824.61	603.23	2.18		-2	0	0.0							
5	Deep	DSDuck	953696		5824.3	603.11	2.64		5824.06	603.11	2.64		0	0	0.0							
5	Deep	DSDuck	953203		5822.48	603.06	2.04		5819.71	603.06	2.04		-3	0	0.0							
5	Deep	DSDuck	952132		5819.75	602.89	2.43		5819.26	602.89	2.43		0	0	0.0							
5	Deep	DSDuck	951884		5819.03	602.81	2.56		5816.67	602.8	2.56		-2	-0.01	0.0							
5	Deep	DSDuck	951566		5817.25	602.73	2.57		5817.6	602.72	2.57		0	-0.01	0.0							
5	Deep	DSDuck	950991		5815.54	602.61	2.84		5815.04	602.6	2.84		-1	-0.01	0.0							
5	Deep	DSDuck	950682		5814.35	602.57	2.27		5813.02	602.56	2.27		-1	-0.01	0.0							
5	Deep	DSDuck	949909		5812.06	602.41	2.42		5811.25	602.41	2.42		-1	0	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5587.31	602.34	2.09		5587.49	602.33	2.09		0	-0.01	0.0							
5	Deep	DSDuck	949168		5600.05	602.33	1.91		5598.89	602.33	1.91		-1	0	0.0							
5	Deep	DSDuck	948729		5810.15	602.25	2.27		5810.11	602.24	2.27		0	-0.01	0.0		5	1	-3	0.00	-0.01	0.0	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5806.49	601.97	1.74		5804.97	601.96	1.74		-2	-0.01	0.0							
4	Deep	DSDuck	948480		5805.46	601.97	1.74		5805.37	601.96	1.74		0	-0.01	0.0							
4	Deep	DSDuck	948428		6012.44	601.97	1.51		6008.19	601.97	1.51		-4	0	0.0							
4	Deep	DSDuck	948174		6011.33	601.94	1.77		6008.23	601.93	1.77		-3	-0.01	0.0							
4	Deep	DSDuck	947566		6008.83	601.85	1.67		6007.5	601.84	1.67		-1	-0.01	0.0							
4	Deep	DSDuck	946997		6005.92	601.66	2.46		6003.69	601.66	2.46		-2	0	0.0							
4	Deep	DSDuck	946167		6003.88	601.58	1.34		6002.16	601.58	1.34		-2	0	0.0							
4	Deep	DSDuck	945248		6003.98	601.53	1.58		6000.74	601.52	1.58		-3	-0.01	0.0							
4	Deep	DSDuck	944337		6001.8	601.46	1.51		5999.79	601.45	1.51		-2	-0.01	0.0							
4	Deep	DSDuck	942778		5996.81	601.09	3.69		5995.61	601.09	3.69		-1	0	0.0							
4	Deep	DSDuck	942375		5995.89	600.97	3.49		5993.99	600.96	3.49		-2	-0.01	0.0							
4	Deep	DSDuck	942129		5996.3	600.89	3.53		5993.53	600.88	3.54		-3	-0.01	0.0							
4	Deep	DSDuck	941984		5991.48	600.72	4.43		5990.87	600.72	4.43		-1	0	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		5992.82	600.71	3.27		5990.25	600.7	3.27		-3	-0.01	0.0							
4	Deep	DSDuck	941433		5987.05	600.4	4.13		5986.7	600.39	4.13		0	-0.01	0.0							
4	Deep	DSDuck	940705		5985.78	600.13	3.16		5979.46	600.13	3.16		-6	0	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5974.87	599.83	4.06		5973.34	599.82	4.07		-2	-0.01	0.0							
4	Deep	DSDuck	940382		5978.05	599.86	1.84		5972.37	599.85	1.84		-6	-0.01	0.0							
4	Deep	DSDuck	939456		5976.51	599.76	1.86		5971.91	599.75	1.86		-5	-0.01	0.0							
4	Deep	DSDuck	938026		5971.99	599.66	1.94		5969.15	599.65	1.95		-3	-0.01	0.0							
4	Deep	DSDuck	937064		5963.76	599.29	3.51		5958.41	599.28	3.51		-5	-0.01	0.0							
4	Deep	DSDuck	936422		5961.94	599.18	2.92		5956.21	599.17	2.92		-6	-0.01	0.0							
4	Deep	DSDuck	935423		5955.88	598.98	2.89		5950.02	598.97	2.89		-6	-0.01	0.0							
4	Deep	DSDuck	934734		6041.27	598.88	2.69		6038.32	598.87	2.69		-3	-0.01	0.0							
4	Deep	DSDuck	934223		6034.21	598.81	2.56		5966.32	598.8	2.53		-68	-0.01	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6036.69	598.29	2.78		5959.35	598.28	2.74		-77	-0.01	0.0							
4	Deep	DSDuck	933391		5956.75	598.22	2.57		5952.8	598.21	2.57		-4	-0.01	0.0							
4	Deep	DSDuck	932574		5919.21	597.98	3.05		5907.6	597.97	3.05		-12	-0.01	0.0							
4	Deep	DSDuck	931721		5875.43	597.79	2.9		5867.32	597.78	2.9		-8	-0.01	0.0							
4	Deep	DSDuck	931117		5857.93	597.74	2.34		5855.48	597.73	2.34		-2	-0.01	0.0							
4	Deep	DSDuck	930406		5849.82	597.68	2.25		5835.97	597.67	2.24		-14	-0.01	0.0							
4	Deep	DSDuck	929978		5826.55	597.63	2.21		5817.85	597.61	2.21		-9	-0.02	0.0							
4	Deep	DSDuck	929807		5812.45	597.58	2.6		5811.77	597.57	2.6		-1	-0.01	0.0		4	0	-77	0.00	-0.02	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5799.8	597.4	2.76		5782.62	597.39	2.76		-17	-0.01	0.0							
3	Deep	DSDuck	929174		5789.47	597.38	2.17		5780.15	597.37	2.17		-9	-0.01	0.0							
3	Deep	DSDuck	928469		5748.45	597.29	2.42		5733.97	597.28	2.42		-14	-0.01	0.0							
3	Deep	DSDuck	927523		5670.23	597.13	2.94		5662.29	597.12	2.94		-8	-0.01	0.0							
3	Deep	DSDuck	926814		5656.48	597.08	2.44		5654.38	597.07	2.45		-2	-0.01	0.0							
3	Deep	DSDuck	926669		5622.41	597.04	2.63		5623.85	597.03	2.64		1	-0.01	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5637.28	597.05	1.92		5626.33	597.04	1.92		-11	-0.01	0.0							
3	Deep	DSDuck	925793		5567.38	596.94	2.57		5564.19	596.93	2.57		-3	-0.01	0.0							
3	Deep	DSDuck	925300		5540	596.89	2.46		5536.42	596.88	2.46		-4	-0.01	0.0							
3	Deep	DSDuck	925073		5511.55	596.86	2.17		5510.77	596.85	2.17		-1	-0.01	0.0							
3	Deep	DSDuck	924833		5469.29	596.78	2.92		5481.43	596.76	2.93		12	-0.02	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5421.33	596	3.27		5392.83	595.99	3.26		-29	-0.01	0.0							
3	Deep	DSDuck	924342		5350.58	595.94	3.01		5352.24	595.92	3.02		2	-0.02	0.0							
3	Deep	DSDuck	924002		5298.27	595.87	2.82		5304.8	595.86	2.83		7	-0.01	0.0							
3	Deep	DSDuck	923827		5284.85	595.84	2.86		5262.3	595.82	2.89		-23	-0.02	0.0							
3	Deep	DSDuck	923771		5243.74	595.79	3.4		5255.85	595.78	3.45		12	-0.01	0.1							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5232.26	595.74	2.3		5232.69	595.72	2.33		0	-0.02	0.0							
3	Deep	DSDuck	923653		5213.93	595.71	2.37		5230.16	595.7	2.42		16	-0.01	0.0							
3	Deep	DSDuck	923529		5201.37	595.65	3.21		5207.3	595.64	3.26		6	-0.01	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5193.29	595.66	2.73		5208.43	595.65	2.76		15	-0.01	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5202.32	595.64	2.72		5202.02	595.64	2.74		0	0	0.0							
3	Deep	DSDuck	923408		5179.32	595.62	3.17		5195.74	595.61	3.23		16	-0.01	0.1							
3	Deep	DSDuck	923308		5169.47	595.61	2.84		5177.64	595.61	2.86		8	0	0.0							
3	Deep	DSDuck	923080		5156.25	595.62	2.38		5165	595.61	2.41		9	-0.01	0.0							
3	Deep	DSDuck	922636		5138.85	595.56	2.76		5149.28	595.56	2.76		10	0	0.0							
3	Deep	DSDuck	922169		5099.95	595.51	2.65		5104.47	595.51	2.65		5	0	0.0							
3	Deep	DSDuck	921587		5180.39	595.39	2.95		5189.67	595.39	2.95		9	0	0.0							
3	Deep	DSDuck	921501		5132.33	595.25	4.01		5149.67	595.25	4.02		17	0	0.0							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5086.76	595.11	3.65		5093.77	595.11	3.65		7	0	0.0							
3	Deep	DSDuck	921039.1		5086.75	595.11	3.65		5089.77	595.11	3.65		3	0	0.0							
3	Deep	DSDuck	921039		5081.89	595.11	3.64		5089.17	595.11	3.65		7	0	0.0		3	17	-29	0.00	-0.02	0.1	0.0
1	Burns	Burns	920939		5266.18	595.11	3.91		5275.4	595.11	3.91		9	0	0.0							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5251.12	594.99	4.15		5252.31	594.99	4.15		1	0	0.0							
1	Burns	Burns	920468		5250	594.96	3.97		5255.93	594.96	3.98		6	0	0.0							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5089.88	594.95	3.51		5096.22	594.95	3.52		6	0	0.0							
1	Burns	Burns	919872		5119.01	594.89	3.42		5123.19	594.89	3.42		4	0	0.0							
1	Burns	Burns	919832		5199.01	594.88	3.39		5209.34	594.88	3.4		10	0	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5176.55	594.68	3.89		5184.04	594.68	3.9		7	0	0.0							
1	Burns	Burns	919588		5171.39	594.68	3.82		5179.61	594.68	3.83		8	0	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5185.23	594.75	2.85		5190.86	594.75	2.86		6	0	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919340		4947.3	594.73	2.92		4949.5	594.73	2.92		2	0	0.0						
1	Burns	Burns	919021		4062.08	594.79	2.1		4067.15	594.79	2.1		5	0	0.0						
1	Burns	Burns	918058		2249.89	594.81	1.32		2252.25	594.81	1.33		2	0	0.0						
1	Burns	Burns	917449		1616.7	594.81	0.99		1618.19	594.81	0.99		1	0	0.0						
1	Burns	Burns	916752		1818.86	594.79	1.11		1821.34	594.79	1.11		2	0	0.0						
1	Burns	Burns	916647		1869.73	594.78	1.26		1872.55	594.78	1.26		3	0	0.0						
1	Burns	Burns	916591		Bridge				Bridge					0	0.0						
1	Burns	Burns	916504		1870.09	594.77	1.24		1872.55	594.76	1.24		2	-0.01	0.0						
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916384		1870.96	594.76	1.19		1874.26	594.76	1.19		3	0	0.0						
1	Burns	Burns	915170		1170.33	594.76	0.79		1173.27	594.76	0.79		3	0	0.0						
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	913799		1074.67	594.75	0.72		1078.98	594.75	0.73		4	0	0.0						
1	Burns	Burns	912165		1355.92	594.72	0.8		1361.31	594.72	0.8		5	0	0.0						
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	911500		2134.48	594.68	1.32		2146.28	594.68	1.33		12	0	0.0						
1	Burns	Burns	909818		3230.61	594.53	1.91		3239.58	594.52	1.92		9	-0.01	0.0						
1	Burns	Burns	907147		5050.49	594.09	2.9		5052.39	594.08	2.91		2	-0.01	0.0						
1	Burns	Burns	905522		5060.51	593.84	2.82		5059.21	593.84	2.82		-1	0	0.0						
1	Burns	Burns	905438		Bridge				Bridge					0	0.0						
1	Burns	Burns	905364		5055.87	593.8	2.83		5054.3	593.8	2.83		-2	0	0.0						
1	Burns	Burns	904862		5050.14	593.7	3.05		5047.99	593.69	3.05		-2	-0.01	0.0						
1	Burns	Burns	904213		5008.89	593.62	2.79		5006	593.61	2.79		-3	-0.01	0.0						
1	Burns	Burns	903765		4999.31	593.54	2.86		4999.15	593.53	2.86		0	-0.01	0.0						
1	Burns	Burns	903487		4999.47	593.51	2.73		5000.19	593.5	2.73		1	-0.01	0.0						
1	Burns	Burns	903304		Bridge				Bridge					0	0.0						
1	Burns	Burns	903222		4987.87	593.37	3.02		4984.61	593.37	3.02		-3	0	0.0						
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	902545		4919.37	593.28	2.83		4979.03	593.28	2.86		60	0	0.0						
1	Burns	Burns	902215		4823.33	593.25	2.81		4817.7	593.24	2.8		-6	-0.01	0.0						
1	Burns	Burns	901966		4821.23	593.21	2.89		4816.27	593.2	2.89		-5	-0.01	0.0						
1	Burns	Burns	901643		4926.54	593.22	2.32		4921.88	593.21	2.32		-5	-0.01	0.0						
1	Burns	Burns	901478		Bridge				Bridge					0	0.0						
1	Burns	Burns	901218		4885.8	593.07	2.41		4881.73	593.06	2.4		-4	-0.01	0.0						
1	Burns	Burns	900573		4841.4	592.96	2.92		4835.36	592.96	2.92		-6	0	0.0						
1	Burns	Burns	900081		4837.45	592.91	2.82		4830.59	592.9	2.82		-7	-0.01	0.0						
1	Burns	Burns	18866		4837.08	592.91	2.73		4831.72	592.9	2.72		-5	-0.01	0.0						
1	Burns	Burns	18616		4834.53	592.77	3.62		4827.27	592.76	3.62		-7	-0.01	0.0						
1	Burns	Burns	18571		Bridge				Bridge					0	0.0						
1	Burns	Burns	18530		4834.87	592.81	3.03		4827.27	592.8	3.03		-8	-0.01	0.0						
1	Burns	Burns	18529		4834.77	592.81	3.03		4827.25	592.8	3.03		-8	-0.01	0.0						
1	Burns	Burns	18452		Bridge				Bridge					0	0.0						
1	Burns	Burns	18365		4834.53	591.47	2.83		4829.4	591.46	2.82		-5	-0.01	0.0						
1	Burns	Burns	18249		4835.23	591.46	2.68		4826.68	591.45	2.67		-9	-0.01	0.0						
1	Burns	Burns	18079		5097.58	591.36	3.26		5091.7	591.35	3.26		-6	-0.01	0.0						
1	Burns	Burns	18078		5097.56	591.36	3.26		5091.49	591.35	3.25		-6	-0.01	0.0						
1	Burns	Burns	18017		Bridge				Bridge					0	0.0						
1	Burns	Burns	17972		5026.93	591.17	3.68		5021.65	591.16	3.68		-5	-0.01	0.0						
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	17309		5022.72	591.11	2.85		5016.78	591.1	2.84		-6	-0.01	0.0						
1	Burns	Burns	16898		4976.5	591.05	2.75		5013.59	591.04	2.77		37	-0.01	0.0						
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	15741		4929.44	590.82	3.1		4965.22	590.81	3.12		36	-0.01	0.0						
1	Burns	Burns	13924		4951.24	590.53	2.89		4944.11	590.52	2.89		-7	-0.01	0.0						
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	13011		4991.81	590.4	2.75		4984.12	590.4	2.75		-8	0	0.0						
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	12071		4989.14	590.26	2.85		4979.88	590.25	2.85		-9	-0.01	0.0						
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	10554		4985.65	590.1	2.25		4976.32	590.1	2.24		-9	0	0.0						
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	9194		5013.74	589.95	2.34		5005.2	589.95	2.34		-9	0	0.0						
1	Burns	Burns	7751		5012.67	589.81	2.29		5002.96	589.81	2.29		-10	0	0.0						
1	Burns	Burns	7232		5003.28	589.76	2.21		4995.12	589.76	2.21		-8	0	0.0						
1	Burns	Burns	5385		4992.89	589.56	2.29		4982.87	589.56	2.29		-10	0	0.0						
1	Burns	Burns	4161		4915.22	589.4	2.58		4906.44	589.39	2.58		-9	-0.01	0.0						
1	Burns	Burns	3756		14041.66	588.66	4.59		14032.49	588.65	4.59		-9	-0.01	0.0						
1	Burns	Burns	3276		14041.59	588.42	5.05		14032.6	588.42	5.05		-9	0	0.0						
1	Burns	Burns	2944		14122.39	588.18	5.6		14112.09	588.18	5.6		-10	0	0.0						
1	Burns	Burns	2144		14122.39	588.27	2.1		14111.63	588.26	2.1		-11	-0.01	0.0						
1	Burns	Burns	1865		Bridge				Bridge					0	0.0						
1	Burns	Burns	1794		14122.38	587.12	6.12		14112.04	587.12	6.12		-10	0	0.0						
1	Burns	Burns	1793		14122.38	587.12	6.11		14111.74	587.12	6.11		-11	0	0.0						
1	Burns	Burns	1758		Bridge				Bridge					0	0.0						
1	Burns	Burns	1700		14122.41	586.56	7.29		14111.95	586.55	7.29		-10	-0.01	0.0						
1	Burns	Burns	1699		14122.38	586.56	7.28		14111.88	586.56	7.27		-11	0	0.0						
1	Burns	Burns	1634		Bridge				Bridge					0	0.0						
1	Burns	Burns	1579		14122.46	586.98	4.9		14111.94	586.97	4.89		-11	-0.01	0.0						
1	Burns	Burns	1518		14122.31	586.95	4.85		14111.82	586.95	4.85		-10	0	0.0						
1	Burns	Burns	784		14122.35	586.64	4.83		14111.75	586.63	4.83		-11	-0.01	0.0						
1	Burns	Burns	682		14122.25	586.5	5.36		14111.61	586.49	5.35		-11	-0.01	0.0						
1	Burns	Burns	588		Bridge				Bridge					0	0.0						
1	Burns	Burns	532.1		14122.24	584.63	9.08		14111.91	584.63	9.08		-10	0	0.0						
1	Burns	Burns	532		14122.29	584.91	8.03		14111.77	584.91	8.03		-11	0	0.0						
1	Burns	Burns	100		14122.28	585.03	5.38		14111.92	585.03	5.38		-10	0	0.0						
1	Burns	Burns	1		14122.21	582.93	5.97		14112.05	582.92	5.97		-10	-0.01	0.0						
1	Burns	Burns	0		476.6	581.1	0.03		476.44	581.1	0.03		0	0	0.0	1	60	-11	0.00	-0.01	0.0	0.0

Proposed Project: Harrison RR capacity decrease
Project Description: block half of RR opening (1 span)
Project Location: Turkey Ck near Harrison Street
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	negligible	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	negligible	negligible	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	negligible	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	negligible	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	negligible	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	negligible	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	negligible	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	negligible	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	negligible	negligible	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	negligible	negligible	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	negligible	negligible	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	negligible	negligible	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	negligible	negligible	negligible		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	negligible	negligible	negligible		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	negligible	negligible	negligible		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	negligible	negligible	negligible		
17	Turkey Ck	Broadway toHendricks St	18578-33479	up to 0.8 ft increase u/s of RR	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	negligible	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	negligible	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		

APPENDIX 15: PROJECT IMPACT SPREADSHEET FOR LOSS OF STORAGE AREAS

paste model output results here - make sure same order and cross sections					EX100y96hARF				Remove storage				remove storage- existing								
Map ID	Stream	Reach	River Sta		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl		Q Total	W.S. Elev	Vel Chnl						
					(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)		(cfs)	(ft)	(ft/s)	map id	max Q increase	max Q decrease	max WSEL increase	max WSEL decrease	max Vel increase	max vel decrease
17	TurkeyCreek	TurkeyCk	33749.67		904.47	622.63	1.5		904.06	622.63	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33401.65		901.3	622.35	3.61		901.5	622.35	3.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	33088.58		1072.1	622.15	2.98		1072.35	622.15	2.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	32513.27		1069.56	621.84	2.32		1069.32	621.84	2.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31866.41		1067.95	621.57	1.93		1067.63	621.57	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	31257.64		1065.91	621.41	2.36		1066.41	621.41	2.36		1	0	0.0							
17	TurkeyCreek	TurkeyCk	30968.95		1063.69	621.1	3.3		1063.72	621.1	3.31		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30538.52		1062.15	620.82	2.78		1062.15	620.82	2.78		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30439.94		1062.04	620.8	1.61		1062.36	620.8	1.61		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30420		Culvert				Culvert					0	0.0							
17	TurkeyCreek	TurkeyCk	30399.1		1062.38	620.78	1.28		1061.99	620.78	1.28		0	0	0.0							
17	TurkeyCreek	TurkeyCk	30161.32		1061.84	620.77	0.92		1062.26	620.77	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29712.14		1062.11	620.76	0.4		1061.76	620.76	0.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	29446.15		1378.04	620.75	0.55		1377.94	620.75	0.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28990.92		1378.05	620.71	1.79		1377.72	620.71	1.79		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28880.56		1376.77	620.59	3.1		1377.51	620.59	3.1		1	0	0.0							
17	TurkeyCreek	TurkeyCk	28855		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28829.59		1369.04	619.75	4.28		1368.49	619.75	4.28		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28799.35		1370.29	619.79	3.97		1370.66	619.79	3.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28772.76		1371.41	619.87	3.09		1370.63	619.87	3.09		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28754		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28734.64		1372.48	619.93	1.67		1372.51	619.93	1.67		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28630.21		1372.35	619.94	1.1		1371.93	619.94	1.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28551.08		1372.31	619.94	1.03		1372.41	619.94	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28532		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	28513.05		1372.7	619.93	1.02		1371.6	619.93	1.02		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	28469.26		1372.02	619.92	1.01		1371.65	619.92	1.01		0	0	0.0							
17	TurkeyCreek	TurkeyCk	28083.71		1784.68	619.91	0.92		1784.47	619.91	0.92		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27853.97		1784.18	619.9	0.89		1784.74	619.9	0.89		1	0	0.0							
17	TurkeyCreek	TurkeyCk	27840		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27826.05		1784.86	619.89	0.93		1784.63	619.89	0.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27684.68		1785.05	619.88	0.94		1784.95	619.88	0.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27345.96		1784.92	619.87	0.95		1784.47	619.87	0.95		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27177.36		1784.71	619.86	1.16		1784.2	619.86	1.16		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	27063.38		1783.99	619.85	1.25		1783.95	619.85	1.25		0	0	0.0							
17	TurkeyCreek	TurkeyCk	27047		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	27030.15		1784.03	619.83	1.43		1783.92	619.83	1.43		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26916.19		1784.21	619.83	1.5		1784.42	619.83	1.5		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26828.25		1783.9	619.82	1.46		1783.59	619.82	1.46		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26813		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26797.33		1784.29	619.8	1.54		1784.35	619.8	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26683.12		1784.34	619.79	1.35		1783.76	619.79	1.35		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	26560.67		1783.86	619.78	1.55		1783.86	619.78	1.55		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26541		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26521.25		1784.25	619.76	1.54		1783.86	619.76	1.54		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26426.03		1784.11	619.77	1.18		1783.8	619.77	1.18		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26325.89		1784.05	619.76	1.06		1783.78	619.76	1.06		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26309		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	26292.58		1784.11	619.75	1.16		1784.36	619.75	1.17		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26224.64		1784.09	619.75	1.13		1784.26	619.75	1.13		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26124.27		1784.09	619.74	0.99		1784.23	619.74	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	26005.49		1783.54	619.74	1.14		1784.06	619.74	1.14		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25988		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25971.19		1783.54	619.72	1.48		1783.77	619.71	1.48		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	25880.1		1783.53	619.7	1.74		1784.12	619.7	1.74		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25681.32		1783.04	619.67	1.68		1784.1	619.67	1.69		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25656		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25630.69		1784.16	619.66	1.63		1783.64	619.66	1.63		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	25414.28		1783.77	619.66	1.03		1783.48	619.66	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	25271.19		1783.28	619.66	0.58		1783.9	619.66	0.58		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25254		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25237.23		1784.17	619.65	0.56		1783.62	619.65	0.55		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	25181.13		1783.3	619.65	0.71		1783.89	619.65	0.71		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25105.17		1783.25	619.64	1.04		1783.75	619.64	1.04		1	0	0.0							
17	TurkeyCreek	TurkeyCk	25072		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	25038.19		1784.01	619.64	0.77		1783.97	619.64	0.77		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24949.11		1784.02	619.64	0.72		1783.73	619.64	0.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24770.6		1783.54	619.63	0.56		1783.88	619.63	0.56		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24631.62		1783.56	619.62	1.03		1783.63	619.62	1.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24621		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24610.76		1784.04	619.61	1.15		1783.5	619.61	1.15		-1	0	0.0							
17	TurkeyCreek	TurkeyCk	24542.6		1783.82	619.61	0.71		1784.08	619.61	0.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24473.51		1783.91	619.61	0.97		1783.52	619.61	0.97		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24404.92		1783.37	619.59	1.44		1783.84	619.59	1.44		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24379		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	24354.06		1783.77	619.59	1.33		1783.84	619.59	1.33		0	0	0.0							
17	TurkeyCreek	TurkeyCk	24213.36		1783.64	619.58	1.45		1783.82	619.58	1.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23821.64		1783.21	619.55	1.26		1783.43	619.55	1.26		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23658.74		1783.6	619.55	1.21		1783.75	619.55	1.21		0	0	0.0							
17	TurkeyCreek	TurkeyCk	23314		1783.69	619.5	1.72		1783.42	619.5	1.72		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22924.77		1783.38	619.47	1.4		1783.41	619.47	1.4		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22863.38		1783.19	619.45	1.85		1783.26	619.45	1.85		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22853		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22841.85		1783.54	619.41	2.09		1783.65	619.41	2.09		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22800.98		1783.48	619.41	1.86		1783.5	619.41	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22731		1783.3	619.43	1.16		1783.28	619.43	1.16		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22686.77		1783.13	619.42	1.29		1783.42	619.42	1.3		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22671		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22655.33		1783.58	619.41	1.22		1783.41	619.41	1.22		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22552.79		1783.43	619.39	1.6		1783.37	619.39	1.6		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22400.67		1783.21	619.33	2.45		1783.38	619.33	2.45		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22345		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22305.01		1783.44	618.88	3.03		1783.46	618.88	3.03		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22279.23		1783.46	618.86	3.41		1783.37	618.86	3.41		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22270		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	22261.53		1783.38	618.91	2.52		1783.56	618.91	2.52		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22243.05		1783.53	618.94	1.94		1783.57	618.94	1.94		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22173.05		1783.37	618.95	1.47		1783.59	618.95	1.47		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22107.78		1783.46	618.92	1.86		1783.57	618.92	1.86		0	0	0.0							
17	TurkeyCreek	TurkeyCk	22039.04		1783.4	618.77	3.48		1783.51	618.77	3.49		0	0	0.0							

17	TurkeyCreek	TurkeyCk	22013		Bridge				Bridge					0	0.0							
17	TurkeyCreek	TurkeyCk	21986.38		1783.4	618.58	3.98		1783.35	618.58	3.98		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21894.37		1783.4	618.68	2.19		1783.35	618.68	2.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21616.71		1783.3	618.65	1.19		1783.37	618.65	1.19		0	0	0.0							
17	TurkeyCreek	TurkeyCk	21177.38		1783.3	618.63	0.99		1783.42	618.63	0.99		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20757.41		2193.3	618.58	1.24		2193.39	618.58	1.24		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20449		2193.48	618.52	1.93		2193.37	618.52	1.93		0	0	0.0							
17	TurkeyCreek	TurkeyCk	20214		2193.44	618.45	2.1		2193.53	618.45	2.1		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19957		2193.45	618.36	2.29		2193.5	618.36	2.29		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19621		2193.31	618.28	1.81		2193.43	618.28	1.81		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19444		2193.41	618.21	2.67		2193.46	618.2	2.67		0	-0.01	0.0							
17	TurkeyCreek	TurkeyCk	19245		2193.35	617.94	4.32		2193.37	617.94	4.32		0	0	0.0							
17	TurkeyCreek	TurkeyCk	19056		2193.25	617.92	3.04		2193.41	617.92	3.04		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18835		2193.28	617.26	6.7		2193.38	617.26	6.71		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18669		2192.87	616.2	8.11		2193.03	616.2	8.11		0	0	0.0							
17	TurkeyCreek	TurkeyCk	18578		2192.89	616.31	6.22		2192.93	616.31	6.22		0	0	0.0	17	1	-1	0.00	-0.01	0.0	0.0
	TurkeyCreek	TurkeyCk	18516		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	18455		2192.86	615.44	5.41		2193.12	615.43	5.41		0	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	18392		2192.26	615.07	6.57		2192.9	615.07	6.57		1	0	0.0							
16	TurkeyCreek	TurkeyCk	18218		2191.47	614.84	5.71		2192.29	614.84	5.71		1	0	0.0							
16	TurkeyCreek	TurkeyCk	18032		2191.78	614.91	3.45		2192.21	614.91	3.45		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17803		2191.36	614.82	2.9		2192.02	614.82	2.9		1	0	0.0							
16	TurkeyCreek	TurkeyCk	17589		2191.62	614.73	3.22		2191.96	614.73	3.22		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17259		2191.02	614.65	2.35		2191.45	614.65	2.35		0	0	0.0							
16	TurkeyCreek	TurkeyCk	17124		2191.06	614.62	2.17		2191.85	614.62	2.17		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16917		2190.9	614.59	1.22		2191.58	614.59	1.23		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16494		2190.67	614.55	1.33		2191.58	614.55	1.33		1	0	0.0							
16	TurkeyCreek	TurkeyCk	16288		2190.66	614.51	1.57		2191.6	614.51	1.58		1	0	0.0							
16	TurkeyCreek	TurkeyCk	15975		2190.82	614.47	1.54		2191.39	614.46	1.54		1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15724		2190.4	614.4	2.08		2191.38	614.4	2.08		1	0	0.0							
16	TurkeyCreek	TurkeyCk	15587		2392.18	614.36	1.94		2396.09	614.35	1.94		4	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15472		2388.08	614.28	2.83		2392.86	614.28	2.84		5	0	0.0							
16	TurkeyCreek	TurkeyCk	15271		2389.59	614.26	1.78		2392.47	614.25	1.78		3	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	15130		2388.09	614.24	1.54		2391.52	614.24	1.55		3	0	0.0							
16	TurkeyCreek	TurkeyCk	14901		2388.04	614.22	1.32		2389.98	614.22	1.32		2	0	0.0							
16	TurkeyCreek	TurkeyCk	14694		2385.82	614.2	1.43		2390.36	614.19	1.44		5	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	14500		2385.25	614.17	1.36		2389.28	614.17	1.36		4	0	0.0							
16	TurkeyCreek	TurkeyCk	14254		2384.85	614.16	0.9		2388.42	614.16	0.9		4	0	0.0							
16	TurkeyCreek	TurkeyCk	14081		2383.4	614.15	0.93		2388.09	614.15	0.94		5	0	0.0							
16	TurkeyCreek	TurkeyCk	13909		2384.37	614.14	1.07		2388.21	614.13	1.07		4	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	13580		2380.18	614.07	2.13		2383.76	614.07	2.13		4	0	0.0							
16	TurkeyCreek	TurkeyCk	13356		2376.93	614	2.13		2382.29	614	2.14		5	0	0.0							
16	TurkeyCreek	TurkeyCk	13150		2360.91	613.82	3.77		2367.16	613.81	3.78		6	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	13085		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	13020		2312.9	613.53	4.12		2312.94	613.52	4.13		0	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12967		2320.43	613.56	3.66		2322.64	613.55	3.67		2	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12836		2316.48	613.54	2.82		2316.96	613.53	2.82		0	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12718		2313.81	613.53	2.11		2312.5	613.52	2.11		-1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12536		2310.53	613.51	1.63		2309.91	613.5	1.64		-1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	12244		2305.01	613.46	1.77		2304.12	613.45	1.78		-1	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11927		2299.09	613.39	2.01		2294.27	613.38	2.01		-5	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11687		2291.83	613.36	1.59		2288.4	613.35	1.59		-3	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11449		2285.71	613.32	1.46		2281.32	613.31	1.46		-4	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11232		2274.77	613.19	2.95		2258.75	613.18	2.94		-16	-0.01	0.0							
16	TurkeyCreek	TurkeyCk	11119		2253.59	613.02	3.73		2234.06	613.02	3.7		-20	0	0.0							
16	TurkeyCreek	TurkeyCk	11013		2239.62	612.77	5.03		2185.78	612.77	4.91		-54	0	-0.1							
16	TurkeyCreek	TurkeyCk	10970		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10927		2189.15	612.45	5.63		2122.8	612.48	5.44		-66	0.03	-0.2							
16	TurkeyCreek	TurkeyCk	10905		2175.11	612.36	5.71		2105.07	612.39	5.51		-70	0.03	-0.2							
16	TurkeyCreek	TurkeyCk	10800		Bridge				Bridge					0	0.0							
16	TurkeyCreek	TurkeyCk	10656		2167.85	612.33	4.09		2094.29	612.37	3.92		-74	0.04	-0.2							
16	TurkeyCreek	TurkeyCk	10552		2116.96	612.02	5.29		2051.24	612.08	5.06		-66	0.06	-0.2							
16	TurkeyCreek	TurkeyCk	10251		2111.35	611.96	1.17		2044.47	612.03	1.13		-67	0.07	0.0							
16	TurkeyCreek	TurkeyCk	9979		2104.72	611.92	1.32		2043.04	612	1.26		-62	0.08	-0.1							
16	TurkeyCreek	TurkeyCk	9783		2104.61	611.92	1.01		2043.45	612	0.97		-61	0.08	0.0							
16	TurkeyCreek	TurkeyCk	9526		2097	611.86	1.92		2036.11	611.94	1.84		-61	0.08	-0.1							
16	TurkeyCreek	TurkeyCk	9168		2089.05	611.79	1.96		2025.4	611.88	1.88		-64	0.09	-0.1							
16	TurkeyCreek	TurkeyCk	8838		2087	611.76	0.97		2023.22	611.85	0.92		-64	0.09	0.0							
16	TurkeyCreek	TurkeyCk	8503		2082.6	611.73	1.16		2019.28	611.83	1.11		-63	0.1	0.0							
16	TurkeyCreek	TurkeyCk	8221		2080.22	611.72	1.01		2019.49	611.82	0.97		-61	0.1	0.0							
16	TurkeyCreek	TurkeyCk	8013		2082.65	611.72	0.8		2019.02	611.82	0.77		-64	0.1	0.0							
16	TurkeyCreek	TurkeyCk	7673		2077.9	611.7	1.05		2018.97	611.8	1.01		-59	0.1	0.0							
16	TurkeyCreek	TurkeyCk	7223		2076.88	611.67	1.41		2014.43	611.77	1.35		-62	0.1	-0.1							
16	TurkeyCreek	TurkeyCk	6947		2070.97	611.63	1.76		2010.02	611.74	1.68		-61	0.11	-0.1							
16	TurkeyCreek	TurkeyCk	6829		2070.65	611.62	1.7		2008.38	611.73	1.62		-62	0.11	-0.1							
16	TurkeyCreek	TurkeyCk	6686		2063.34	611.53	2.61		2002.2	611.65	2.49		-61	0.12	-0.1	16	6	-74	0.12	-0.01	0.0	-0.2
	TurkeyCreek	TurkeyCk	6600		Bridge				Bridge					0	0.0							
9	TurkeyCreek	TurkeyCk	6557		2055.18	611.51	2.03		1998.39	611.63	1.94		-57	0.12	-0.1							
9	TurkeyCreek	TurkeyCk	6407		2057.93	611.49	1.43		1996.63	611.62	1.36		-61	0.13	-0.1							
9	TurkeyCreek	TurkeyCk	6204		2051.55	611.44	2.01		1990.29	611.57	1.91		-61	0.13	-0.1							
9	TurkeyCreek	TurkeyCk	5151		2034.09	611.25	0.69		1974.48	611.4	0.65		-60	0.15	0.0							
9	TurkeyCreek	TurkeyCk	2193		2024.59	611.18	0.51		1970.57	611.33	0.49		-54	0.15	0.0							
9	TurkeyCreek	TurkeyCk	500		2169.73	611.16	0.29		2106.58	611.31	0.28		-63	0.15	0.0							
9	TurkeyCreek	TurkeyCk	50		2171.38	611.15	0.39		2104.61	611.31	0.37		-67	0.16	0.0	9	-54	-67	0.16	0.12	0.0	-0.1
2	LCal	LCal	2575		155.63	595.18	0.06		146.23	595.27	0.06		-9	0.09	0.0							
2	LCal	LCal	2359		154.3	595.18	0.05		145.78	595.27	0.04		-9	0.09	0.0							
2	LCal	LCal	27 2330		Bridge				Bridge					0	0.0							
2	LCal	LCal	2310		153.91	595.18	0.05		146.21	595.27	0.04		-8	0.09	0.0							
2	LCal	LCal	2172		153.33	595.18	0.05		146.3	595.27	0.05		-7	0.09	0.0							
2	LCal	LCal	2000		Culvert				Culvert					0	0.0							
2	LCal	LCal	1749		116.98	595.14	0.09		114.06	595.23	0.09		-3	0.09	0.0							
2	LCal	LCal	1559		118.55	595.14	0.1		115.17	595.23	0.09		-3	0.09	0.0							
2	LCal	LCal	1414		116.24	595.14	0.15		113.61	595.23	0.14		-3	0.09	0.0							
2	LCal	LCal	5 1300		Culvert				Culvert					0	0.0							
2	LCal	LCal	1176		102.45	595.11	0.09		93.83	595.2	0.08		-9	0.09	0.0							
2	LCal	LCal	5 1175		Lat Struct				Lat Struct					0	0.0							
2	LCal	LCal	716		145.39	595.11	0.16		152.14	595.2	0.17		7	0.09	0.0							
2	LCal	LCal	173		178.24	595.1	0.23		204.49	595.2	0.27		26	0.1	0.0	2	26	-9	0.10	0.00	0.0	0.0
21	Duck Ck	DuckCk	20671		428.89	616.21	1.74		428.88	616.21	1.74		0	0	0.0							
21	Duck Ck	DuckCk	20491		428.88	616.04	1.97		428.89	616.04	1.97		0	0	0.0							
21	Duck Ck	DuckCk	20464		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	20432		428.87	615.82	2.37		428.85	615.82	2.37		0	0	0.0							
21	Duck Ck	DuckCk	20216		428.87	615.52	2.09		428.88	615.52	2.09		0	0	0.0							
21	Duck Ck	DuckCk	20113		428.86	615.38	2.11		428.86	615.38	2.11		0	0	0.0							
21	Duck Ck	DuckCk	19892		428.83	615.12	1.81		428.82	615.12	1.81		0	0	0.0							
21	Duck Ck	DuckCk	19622		428.85	614.9	2		428.86	614.9	2		0	0	0.0							
21	Duck Ck	DuckCk	18735		428.76	614.07	2.04		428.76	614.07	2.04		0	0	0.0							

21	Duck Ck	DuckCk	18561		428.73	613.87	1.73		428.68	613.87	1.73		0	0	0.0							
21	Duck Ck	DuckCk	17903		428.5	613.22	2.37		428.47	613.22	2.37		0	0	0.0							
21	Duck Ck	DuckCk	17603		427.97	612.74	1.96		427.98	612.74	1.96		0	0	0.0							
21	Duck Ck	DuckCk	17126		426.88	612.26	1.91		427.07	612.26	1.91		0	0	0.0							
21	Duck Ck	DuckCk	16884		426.77	612.12	1.37		426.78	612.12	1.37		0	0	0.0							
21	Duck Ck	DuckCk	16463		426.23	611.94	1.51		426.3	611.94	1.51		0	0	0.0							
21	Duck Ck	DuckCk	16241		426.02	611.82	1.43		425.77	611.82	1.43		0	0	0.0							
21	Duck Ck	DuckCk	16059		425.83	611.74	1.01		425.7	611.74	1.01		0	0	0.0							
21	Duck Ck	DuckCk	15912		425.52	611.62	1.92		425.42	611.62	1.92		0	0	0.0							
21	Duck Ck	DuckCk	15884		Bridge				Bridge					0	0.0							
21	Duck Ck	DuckCk	15850		423.99	611.21	2.51		423.82	611.21	2.51		0	0	0.0							
21	Duck Ck	DuckCk	15754		423.21	611.09	1.98		423.2	611.09	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15534		422.15	610.86	1.98		422.07	610.86	1.98		0	0	0.0							
21	Duck Ck	DuckCk	15313		421.39	610.72	1.29		421.54	610.72	1.29		0	0	0.0							
21	Duck Ck	DuckCk	15077		421.01	610.62	1.32		420.92	610.62	1.32		0	0	0.0							
21	Duck Ck	DuckCk	14853		420.75	610.57	0.84		420.82	610.58	0.84		0	0.01	0.0							
21	Duck Ck	DuckCk	14584		420.49	610.54	0.85		420.48	610.54	0.85		0	0	0.0							
21	Duck Ck	DuckCk	14275		420.25	610.5	0.85		420.4	610.51	0.85		0	0.01	0.0							
21	Duck Ck	DuckCk	14091		420.17	610.41	1.56		420.11	610.41	1.56		0	0	0.0	21	0	0	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	14038		Bridge				Bridge					0	0.0							
20	Duck Ck	DuckCk	13992		419.56	610	1.62		419.45	610	1.62		0	0	0.0							
20	Duck Ck	DuckCk	13704		418.86	609.87	1.44		418.89	609.87	1.44		0	0	0.0							
20	Duck Ck	DuckCk	13464		418.32	609.77	1.27		418.53	609.77	1.27		0	0	0.0							
20	Duck Ck	DuckCk	13279		418.34	609.73	0.78		418.25	609.73	0.78		0	0	0.0							
20	Duck Ck	DuckCk	12964		581.53	609.68	1.04		581.46	609.68	1.04		0	0	0.0							
20	Duck Ck	DuckCk	12613		580.8	609.61	1.05		580.2	609.61	1.05		-1	0	0.0							
20	Duck Ck	DuckCk	12306		583.33	609.57	0.78		583.37	609.57	0.78		0	0	0.0							
20	Duck Ck	DuckCk	11932		586.77	609.52	0.9		587.19	609.52	0.9		0	0	0.0							
20	Duck Ck	DuckCk	11876		586.78	609.5	1.15		587.33	609.5	1.15		1	0	0.0							
20	Duck Ck	DuckCk	11801		588.04	609.5	0.86		588.06	609.5	0.86		0	0	0.0							
20	Duck Ck	DuckCk	11485		590.91	609.47	0.8		591.23	609.47	0.8		0	0	0.0							
20	Duck Ck	DuckCk	10998		595.71	609.41	0.95		594.98	609.41	0.95		-1	0	0.0							
20	Duck Ck	DuckCk	10813		596.99	609.4	0.72		596.9	609.4	0.72		0	0	0.0							
20	Duck Ck	DuckCk	10553		599.49	609.38	0.77		599.17	609.38	0.77		0	0	0.0							
20	Duck Ck	DuckCk	10293		601.6	609.36	0.84		601.7	609.36	0.84		0	0	0.0							
20	Duck Ck	DuckCk	10273		Culvert				Culvert					0	0.0							
20	Duck Ck	DuckCk	10253		602.07	609.33	0.68		601.79	609.34	0.68		0	0.01	0.0							
20	Duck Ck	DuckCk	9854		605.88	609.31	0.77		606.16	609.31	0.77		0	0	0.0							
20	Duck Ck	DuckCk	9506		609.83	609.28	0.8		610.1	609.28	0.8		0	0	0.0							
20	Duck Ck	DuckCk	9287		612.11	609.27	0.56		612.06	609.27	0.56		0	0	0.0							
20	Duck Ck	DuckCk	9053		614.36	609.25	0.7		614.74	609.26	0.7		0	0.01	0.0							
20	Duck Ck	DuckCk	8833		616.87	609.24	0.62		616.8	609.25	0.62		0	0.01	0.0							
20	Duck Ck	DuckCk	8619		820.14	609.22	1.03		820.05	609.22	1.03		0	0	0.0							
20	Duck Ck	DuckCk	8373		823.2	609.2	0.55		822.69	609.2	0.55		-1	0	0.0							
20	Duck Ck	DuckCk	8099		825.87	609.19	0.36		825.62	609.2	0.36		0	0.01	0.0							
20	Duck Ck	DuckCk	7623		829.27	609.19	0.43		829.03	609.19	0.43		0	0	0.0							
20	Duck Ck	DuckCk	7254		833.05	609.17	0.56		832.99	609.18	0.56		0	0.01	0.0							
20	Duck Ck	DuckCk	6856		836.74	609.16	0.46		836.83	609.17	0.46		0	0.01	0.0							
20	Duck Ck	DuckCk	6359		841.57	609.14	0.73		841.74	609.15	0.73		0	0.01	0.0							
20	Duck Ck	DuckCk	6163		843.64	609.14	0.6		843.14	609.14	0.6		-1	0	0.0							
20	Duck Ck	DuckCk	5848		848.4	609.13	0.27		847.72	609.13	0.27		-1	0	0.0							
20	Duck Ck	DuckCk	5638		852.07	609.13	0.37		852.23	609.13	0.37		0	0	0.0							
20	Duck Ck	DuckCk	5361		854.61	609.12	0.77		854.27	609.12	0.77		0	0	0.0							
20	Duck Ck	DuckCk	4639		861.86	609.1	0.43		862.11	609.1	0.43		0	0	0.0							
20	Duck Ck	DuckCk	4257		866.49	609.09	0.42		866.33	609.09	0.42		0	0	0.0							
20	Duck Ck	DuckCk	4109		868.18	609.09	0.35		868.62	609.09	0.35		0	0	0.0							
20	Duck Ck	DuckCk	3892		870.19	609	2.63		870.18	609	2.63		0	0	0.0	20	1	-1	0.01	0.00	0.0	0.0
	Duck Ck	DuckCk	3824		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3761		866.25	608.54	2.71		865.91	608.54	2.7		0	0	0.0							
19	Duck Ck	DuckCk	3668		868.32	608.57	0.77		867.58	608.57	0.76		-1	0	0.0							
19	Duck Ck	DuckCk	3440		870.19	608.56	0.5		870.59	608.56	0.5		0	0	0.0							
19	Duck Ck	DuckCk	3408		Bridge				Bridge					0	0.0							
19	Duck Ck	DuckCk	3382		718.92	606.86	2.02		706.64	606.91	1.97		-12	0.05	-0.1							
19	Duck Ck	DuckCk	3342		715.14	606.76	3.36		704.04	606.81	3.29		-11	0.05	-0.1	19	0	-12	0.05	0.00	0.0	-0.1
	Duck Ck	DuckCk	3293		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	3239		681.23	606.06	4.11		663.52	606.15	3.97		-18	0.09	-0.1							
18	Duck Ck	DuckCk	3203		686.71	606.19	1.56		670.69	606.26	1.5		-16	0.07	-0.1							
18	Duck Ck	DuckCk	3126		687.5	606.17	1.02		670.73	606.25	0.98		-17	0.08	0.0							
18	Duck Ck	DuckCk	2965		688	606.15	1		669.73	606.23	0.95		-18	0.08	-0.1							
18	Duck Ck	DuckCk	2849		688.33	606.13	0.98		669.74	606.21	0.94		-19	0.08	0.0							
18	Duck Ck	DuckCk	2794		686.93	606.12	1.03		671.02	606.2	0.98		-16	0.08	-0.1							
18	Duck Ck	DuckCk	2687		688.04	606.11	0.87		671.16	606.19	0.84		-17	0.08	0.0							
18	Duck Ck	DuckCk	2524		690.01	606.09	0.89		670.79	606.18	0.85		-19	0.09	0.0							
18	Duck Ck	DuckCk	2496		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	2452		688.23	606.08	0.85		670.84	606.16	0.81		-17	0.08	0.0							
18	Duck Ck	DuckCk	2183		690.45	606.05	0.91		671.95	606.14	0.87		-19	0.09	0.0							
18	Duck Ck	DuckCk	2053		691.95	606.03	0.87		672.86	606.12	0.83		-19	0.09	0.0							
18	Duck Ck	DuckCk	1765		691.38	605.98	1.12		672.06	606.08	1.08		-19	0.1	0.0							
18	Duck Ck	DuckCk	1689		Culvert				Culvert					0	0.0							
18	Duck Ck	DuckCk	1609		668.04	605.49	0.88		643.95	605.62	0.83		-24	0.13	-0.1							
18	Duck Ck	DuckCk	1358		668.96	605.48	0.81		647.34	605.61	0.77		-22	0.13	0.0							
18	Duck Ck	DuckCk	960		672.71	605.47	0.5		650.28	605.6	0.48		-22	0.13	0.0							
18	Duck Ck	DuckCk	792		675.58	605.47	0.36		651.45	605.6	0.35		-24	0.13	0.0							
18	Duck Ck	DuckCk	572		673.71	605.43	1.3		651.61	605.56	1.24		-22	0.13	-0.1							
18	Duck Ck	DuckCk	526		Bridge				Bridge					0	0.0							
18	Duck Ck	DuckCk	473		668.58	605.33	0.97		648.39	605.49	0.92		-20	0.16	0.0							
18	Duck Ck	DuckCk	264		669.03	605.33	0.79		648.23	605.49	0.74		-21	0.16	-0.1	18	-16	-24	0.16	0.00	0.0	-0.1
15	Deep	JSLakeGeorg	124902		115.04	687.36	0.47		224.77	692.5	0.18		110	5.14	-0.3							
15	Deep	JSLakeGeorg	124901		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	124398		201.82	687.29	0.76		224.76	692.5	0.22		23	5.21	-0.5							
15	Deep	JSLakeGeorg	124110		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	123855		153.52	687.23	0.65		581.42	692.43	1.23		428	5.2	0.6							
15	Deep	JSLakeGeorg	123542		152.77	687.19	0.71		581.33	692.38	1.15		429	5.19	0.4							
15	Deep	JSLakeGeorg	123075		124.25	687.15	0.54		581.29	692.29	1.17		457	5.14	0.6							
15	Deep	JSLakeGeorg	122731		53.17	687.14	0.09		581.23	692.27	0.4		528	5.13	0.3							
15	Deep	JSLakeGeorg	122478		43.92	687.14	0.08		581.32	692.27	0.56		537	5.13	0.5							
15	Deep	JSLakeGeorg	122432		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	122376		43.89	687.13	0.1		581.34	692.26	0.71		537	5.13	0.6							
15	Deep	JSLakeGeorg	122375		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	122102		45.05	687.13	0.11		581.45	692.25	0.77		536	5.12	0.7							
15	Deep	JSLakeGeorg	121717		45.18	687.13	0.17		581.36	692.22	1		536	5.09	0.8							
15	Deep	JSLakeGeorg	121716		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	121393		40.5	687.13	0.17		581.3	692.16	1.17		541	5.03	1.0							
15	Deep	JSLakeGeorg	121027		40.43	687.12	0.17		581.37	692.09	1.18		541	4.97	1.0							
15	Deep	JSLakeGeorg	120696		248.23	687.11	0.6		581.28	692.07	0.64		333	4.96	0.0							
15	Deep	JSLakeGeorg	120630		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	120592		248.27	687.08	1.04		581.36	692.05	1.19		333	4.97	0.2							

15	Deep	JSLakeGeorg	120591		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	120543		165.61	687.09	0.58		581.26	692.05	1		416	4.96	0.4							
15	Deep	JSLakeGeorg	120117		165.57	687.04	0.73		581.3	691.97	1.21		416	4.93	0.5							
15	Deep	JSLakeGeorg	119813		166.41	687.01	0.57		600.02	691.93	0.87		434	4.92	0.3							
15	Deep	JSLakeGeorg	119448		229.81	686.93	0.95		622.48	691.87	1.19		393	4.94	0.2							
15	Deep	JSLakeGeorg	119071		263.63	686.81	1.11		645.66	691.77	1.34		382	4.96	0.2							
15	Deep	JSLakeGeorg	118751		262.97	686.71	1.13		665.34	691.68	1.37		402	4.97	0.2							
15	Deep	JSLakeGeorg	118584		262.57	686.64	1.21		675.61	691.63	1.48		413	4.99	0.3							
15	Deep	JSLakeGeorg	118525		262.29	686.62	1.19		679.18	691.6	1.54		417	4.98	0.4							
15	Deep	JSLakeGeorg	118508		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	118358		269.61	686.57	1.08		689.49	691.56	1.4		420	4.99	0.3							
15	Deep	JSLakeGeorg	117980		268.83	686.47	1.02		712.71	691.46	1.36		444	4.99	0.3							
15	Deep	JSLakeGeorg	117631		267.96	686.35	1.15		734.16	691.36	1.41		466	5.01	0.3							
15	Deep	JSLakeGeorg	117334		265.99	686.26	0.99		752.43	691.28	1.35		486	5.02	0.4							
15	Deep	JSLakeGeorg	116995		260.19	686.14	1.2		773.25	691.15	1.64		513	5.01	0.4							
15	Deep	JSLakeGeorg	116834		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	116736		253.57	686.04	1.13		789.14	691.03	1.7		536	4.99	0.6							
15	Deep	JSLakeGeorg	116606		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	116585		244.71	685.95	1.34		798.37	690.93	1.92		554	4.98	0.6							
15	Deep	JSLakeGeorg	116289		233.22	685.83	1.02		816.6	690.79	1.74		583	4.96	0.7							
15	Deep	JSLakeGeorg	115998		220.88	685.74	1.07		834.48	690.63	1.9		614	4.89	0.8							
15	Deep	JSLakeGeorg	115832		217.24	685.71	0.88		844.66	690.59	1.55		627	4.88	0.7							
15	Deep	JSLakeGeorg	115800		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	115754		218.72	685.71	0.77		844.63	690.57	1.58		626	4.86	0.8							
15	Deep	JSLakeGeorg	115310		212.64	685.66	0.81		871.97	690.44	1.78		659	4.78	1.0							
15	Deep	JSLakeGeorg	114871		279.48	685.57	0.95		1051.95	690.21	1.94		772	4.64	1.0							
15	Deep	JSLakeGeorg	114397		277.2	685.47	1		1051.93	689.94	2.04		775	4.47	1.0							
15	Deep	JSLakeGeorg	113918		328.87	685.23	1.47		1078.85	689.49	2.45		750	4.26	1.0							
15	Deep	JSLakeGeorg	113720		332.88	685.14	1.36		1090.05	689.33	2.34		757	4.19	1.0							
15	Deep	JSLakeGeorg	113639		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113536		332.28	685.1	1.28		1090.13	689.3	2.04		758	4.2	0.8							
15	Deep	JSLakeGeorg	113233		338.51	684.98	1.92		1107.24	689.15	2.63		769	4.17	0.7							
15	Deep	JSLakeGeorg	113139		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	113059		338.34	684.94	1.45		1107.26	688.96	2.15		769	4.02	0.7							
15	Deep	JSLakeGeorg	113058		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	112472		353.43	684.83	1.44		1140.29	688.77	2.33		787	3.94	0.9							
15	Deep	JSLakeGeorg	111932		367.04	684.6	1.49		1170.77	688.69	1.09		804	4.09	-0.4							
15	Deep	JSLakeGeorg	111538		375.52	684.37	1.48		1192.96	688.56	1.62		817	4.19	0.1							
15	Deep	JSLakeGeorg	111058		387.33	684.02	1.58		1220.11	688.41	1.32		833	4.39	-0.3							
15	Deep	JSLakeGeorg	110793		394.8	683.88	1.05		1234.96	688.38	0.75		840	4.5	-0.3							
15	Deep	JSLakeGeorg	110465		404.54	683.71	1.47		1253.55	688.34	1.09		849	4.63	-0.4							
15	Deep	JSLakeGeorg	110181		412.79	683.58	1.58		1269.6	688.23	2.33		857	4.65	0.8							
15	Deep	JSLakeGeorg	110163		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110130		413.02	683.58	1.4		1269.58	688.22	2.13		857	4.64	0.7							
15	Deep	JSLakeGeorg	110128		413.06	683.58	1.41		1269.79	688.22	2.14		857	4.64	0.7							
15	Deep	JSLakeGeorg	110094		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	110040		413.06	683.57	1.24		1269.74	688.17	2.04		857	4.6	0.8							
15	Deep	JSLakeGeorg	109523		429.32	683.42	1.34		1298.91	687.99	2.02		870	4.57	0.7							
15	Deep	JSLakeGeorg	109022		444.23	683.24	1.22		1327.22	687.7	2.17		883	4.46	1.0							
15	Deep	JSLakeGeorg	108612		457.33	683.03	1.62		1350.36	687.37	2.53		893	4.34	0.9							
15	Deep	JSLakeGeorg	108112		472.97	682.77	1.38		1378.42	686.95	2.3		905	4.18	0.9							
15	Deep	JSLakeGeorg	107495		492.77	682.54	1.37		1413.27	686.47	2.42		921	3.93	1.1							
15	Deep	JSLakeGeorg	107156		503.38	682.42	1.36		1432.37	686.21	2.46		929	3.79	1.1							
15	Deep	JSLakeGeorg	106585		503.53	682.3	0.91		1432.16	685.97	1.41		929	3.67	0.5							
15	Deep	JSLakeGeorg	106334		503.36	682.22	1.27		1432.05	685.9	1.61		929	3.68	0.3							
15	Deep	JSLakeGeorg	105972		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	105956		503.41	682.09	1.28		1432.07	685.79	1.55		929	3.7	0.3							
15	Deep	JSLakeGeorg	105573		503.39	681.91	1.59		1431.81	685.5	2.56		928	3.59	1.0							
15	Deep	JSLakeGeorg	105254		561.1	681.84	0.88		1431.61	685.39	1.56		871	3.55	0.7							
15	Deep	JSLakeGeorg	105176		Culvert				Culvert					0	0.0							
15	Deep	JSLakeGeorg	105085		561.25	681.63	0.99		1431.6	684.73	1.83		870	3.1	0.8							
15	Deep	JSLakeGeorg	104691		561.08	681.58	1.16		1431.66	684.62	1.93		871	3.04	0.8							
15	Deep	JSLakeGeorg	104222		560.65	681.46	1.28		1431.46	684.34	2.18		871	2.88	0.9							
15	Deep	JSLakeGeorg	104061		560.67	681.42	1.39		1431.38	684.25	2.42		871	2.83	1.0							
15	Deep	JSLakeGeorg	104001		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	103945		559.86	680.91	1.36		1431.4	684.22	2.26		872	3.31	0.9							
15	Deep	JSLakeGeorg	103528		559.81	680.78	1.54		1431.38	683.95	2.65		872	3.17	1.1							
15	Deep	JSLakeGeorg	103234		559.39	680.69	1.21		1431.22	683.75	2.26		872	3.06	1.1							
15	Deep	JSLakeGeorg	102805		644.33	680.51	1.65		1528.31	683.45	2.5		884	2.94	0.9							
15	Deep	JSLakeGeorg	102268		644.33	680.28	2.03		1528.18	683.1	2.94		884	2.82	0.9							
15	Deep	JSLakeGeorg	102108		Bridge				Bridge					0	0.0							
15	Deep	JSLakeGeorg	102028		644.51	679.44	1.79		1528.14	682.99	2.17		884	3.55	0.4							
15	Deep	JSLakeGeorg	101989		Lat Struct									0	0.0							
15	Deep	JSLakeGeorg	101538		644.35	679.05	2.2		1527.79	682.46	3.2		883	3.41	1.0							
15	Deep	JSLakeGeorg	100981		643.15	678.5	1.95		1526.75	681.61	3.09		884	3.11	1.1							
15	Deep	JSLakeGeorg	100383		359.16	678.32	0.78		1526.16	681.19	1.54		1167	2.87	0.8							
15	Deep	JSLakeGeorg	99713		354.83	678.24	0.85		1525.94	680.95	1.76		1171	2.71	0.9							
15	Deep	JSLakeGeorg	99064		411.77	678.16	0.93		1768.42	680.56	2.56		1357	2.4	1.6							
15	Deep	JSLakeGeorg	98521		315.78	678.12	0.64		1767.82	680.33	1.79		1452	2.21	1.2							
15	Deep	JSLakeGeorg	97818		917.15	677.96	1.87		1767.81	680.1	2.46		851	2.14	0.6	15	1452	23	5.21	0.00	1.6	-0.5
	Deep	JSLakeGeorg	97654		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	97432		917.85	677.53	1.88		1767.7	679.75	2.23		850	2.22	0.4							
14	Deep	JSLakeGeorg	96861		917.51	677.47	0.91		1767.57	679.72	0.67		850	2.25	-0.2							
14	Deep	JSLakeGeorg	96112		1063.87	677.21	1.53		1924.9	679.57	1.41		861	2.36	-0.1							
14	Deep	JSLakeGeorg	95541		1058.47	676.7	2.45		1924.95	679.3	2.17		866	2.6	-0.3							
14	Deep	JSLakeGeorg	95034		942.88	676.3	1.89		1924.78	679	2.04		982	2.7	0.2							
14	Deep	JSLakeGeorg	94436		914.49	675.88	2.16		1924.64	678.59	2.54		1010	2.71	0.4							
14	Deep	JSLakeGeorg	93802		878.13	675.55	1.71		1924.52	678.31	1.58		1046	2.76	-0.1							
14	Deep	JSLakeGeorg	93297		868.35	675.38	1.26		1991.86	678.21	1.19		1124	2.83	-0.1							
14	Deep	JSLakeGeorg	93206		Lat Struct									0	0.0							
14	Deep	JSLakeGeorg	92606		1130.88	675.17	1.37		2300.61	678.08	1.23		1170	2.91	-0.1							
14	Deep	JSLakeGeorg	91967		1130.79	675.04	1.34		2454.61	677.98	1.8		1324	2.94	0.5							
14	Deep	JSLakeGeorg	91899		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	91814		1131.05	674.92	1.96		2453.69	677.5	2.58		1323	2.58	0.6							
14	Deep	JSLakeGeorg	91400		1135.16	674.67	2.15		2461.85	677.29	2.05		1327	2.62	-0.1							
14	Deep	JSLakeGeorg	90843		1141.12	674.47	0.81		2472.75	677.1	0.86		1332	2.63	0.0							
14	Deep	JSLakeGeorg	90268		1147.12	674.24	1.86		2484.74	677	1.43		1338	2.76	-0.4							
14	Deep	JSLakeGeorg	89708		1153.25	673.92	1.98		2496.8	676.77	2.3		1344	2.85	0.3							
14	Deep	JSLakeGeorg	89139		1159.25	673.73	1.4		2508.67	676.56	1.69		1349	2.83	0.3							
14	Deep	JSLakeGeorg	88645		1164.15	673.51	1.74		2518.36	676.32	2.31		1354	2.81	0.6							
14	Deep	JSLakeGeorg	88132		1169.57	673.19	2.15		2529.16	676.04	2.26		1360	2.85	0.1							
14	Deep	JSLakeGeorg	87170		1179.79	672.56	2.05		2548.76	675.49	2.37		1369	2.93	0.3							
14	Deep	JSLakeGeorg	86814		1183.38	672.29	2.3		2556.13	675.09	3.55		1373	2.8	1.3							
14	Deep	JSLakeGeorg	86497		1187.08	672.16	1.27		2563.97	674.92	1.61		1377	2.76	0.3							
14	Deep	JSLakeGeorg	86248		1189.79	671.99	2.15		2568.95	674.67	3.11		1379	2.68	1.0							
14	Deep	JSLakeGeorg	85858		1193.37	671.66	2.22		2576.74	674.32	2.65		1383	2.66	0.4							
14	Deep	JSLakeGeorg	85406		1197.95	671.33	2.19		2585.62	673.98	2.74		1388	2.65	0.6							

14	Deep	JSLakeGeorg	84957		1202.29	670.93	2.57		2594.07	673.44	3.62		1392	2.51	1.1							
14	Deep	JSLakeGeorg	84375		1208.06	670.3	3		2604.89	672.77	3.72		1397	2.47	0.7							
14	Deep	JSLakeGeorg	84324		Bridge				Bridge					0	0.0							
14	Deep	JSLakeGeorg	84262		1208.22	670.19	3.16		2604.28	672.32	4.67		1396	2.13	1.5							
14	Deep	JSLakeGeorg	83723		1213.86	669.85	1.84		2615.05	672.08	1.43		1401	2.23	-0.4							
14	Deep	JSLakeGeorg	83093		1220.34	669.47	1.73		2627.37	671.84	1.8		1407	2.37	0.1							
14	Deep	JSLakeGeorg	82750		1223.97	669.28	1.85		2634.47	671.68	2.06		1411	2.4	0.2							
14	Deep	JSLakeGeorg	82364		1227.61	669.04	2.03		2641.38	671.54	1.72		1414	2.5	-0.3							
14	Deep	JSLakeGeorg	81844		1232.91	668.84	1		2651.53	671.44	0.88		1419	2.6	-0.1							
14	Deep	JSLakeGeorg	81294		1238.58	668.73	0.97		2662.34	671.4	0.76		1424	2.67	-0.2							
14	Deep	JSLakeGeorg	80717		1244.8	668.43	2.09		2674.3	671.01	2.96		1430	2.58	0.9							
14	Deep	JSLakeGeorg	80186		1250.16	668.03	2.33		2685.76	670.57	2.54		1436	2.54	0.2							
14	Deep	JSLakeGeorg	79604		1256.28	667.68	2.06		2697.21	670.24	2.43		1441	2.56	0.4							
14	Deep	JSLakeGeorg	79148		1260.23	667.42	1.93		2706.32	669.99	2.27		1446	2.57	0.3							
14	Deep	JSLakeGeorg	78803		1259.75	667.15	2.47		2706.18	669.63	3.59		1446	2.48	1.1							
14	Deep	JSLakeGeorg	78407		1258.2	666.87	2.22		2705.67	669.2	3.18		1447	2.33	1.0	14	1447	850	2.94	0.00	1.5	-0.4
	Deep	JSLakeGeorg	78346		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	78285		1256.43	666.7	2.69		2705.88	668.94	3.73		1449	2.24	1.0							
13	Deep	JSLakeGeorg	77848		1253.41	666.44	2.12		2705.15	668.66	2.54		1452	2.22	0.4							
13	Deep	JSLakeGeorg	77566		1248.89	666.25	1.96		2705.18	668.51	1.93		1456	2.26	0.0							
13	Deep	JSLakeGeorg	77073		1436.77	665.89	2.03		3010.94	668.2	2.49		1574	2.31	0.5							
13	Deep	JSLakeGeorg	76478		1436.64	665.58	1.69		3010.93	667.88	2.07		1574	2.3	0.4							
13	Deep	JSLakeGeorg	76044		1440.09	665.45	1.36		3039.67	667.73	1.66		1600	2.28	0.3							
13	Deep	JSLakeGeorg	75777		1442.33	665.35	1.64		3057.51	667.61	2.06		1615	2.26	0.4							
13	Deep	JSLakeGeorg	75408		1445.41	665.22	1.44		3081.78	667.47	1.76		1636	2.25	0.3							
13	Deep	JSLakeGeorg	75368		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	75316		1445.46	665.16	1.42		3081.84	667.4	1.76		1636	2.24	0.3							
13	Deep	JSLakeGeorg	74938		1448.91	664.88	2.42		3112.25	666.89	3.89		1663	2.01	1.5							
13	Deep	JSLakeGeorg	74633		1429.37	664.6	2.42		3132.97	666.38	3.78		1704	1.78	1.4							
13	Deep	JSLakeGeorg	74229		1434.9	664.37	1.72		3158.2	666	2.39		1723	1.63	0.7							
13	Deep	JSLakeGeorg	73723		1434.3	663.89	2.84		3157.94	664.55	5.6		1724	0.66	2.8							
13	Deep	JSLakeGeorg	73722.9		Lat Struct				Lat Struct					0	0.0							
13	Deep	JSLakeGeorg	73616		1331.32	663.83	2.5		2782.92	664.35	4.83		1452	0.52	2.3							
13	Deep	JSLakeGeorg	73500		1326.74	663.76	2.34		2237.76	664.39	3.49		911	0.63	1.2							
13	Deep	JSLakeGeorg	72900		1516.57	663.16	2.1		1711.5	663.55	2.15		195	0.39	0.0							
13	Deep	JSLakeGeorg	72028		1516.41	662.28	2.53		1711.3	662.65	2.67		195	0.37	0.1							
13	Deep	JSLakeGeorg	71320		1516.5	661.73	1.46		1711.05	662.1	1.45		195	0.37	0.0							
13	Deep	JSLakeGeorg	71053		1516.42	661.62	2.25		1711.04	661.99	2.34		195	0.37	0.1							
13	Deep	JSLakeGeorg	70997		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	70937		1516.63	661.38	3.21		1711.41	661.72	3.44		195	0.34	0.2							
13	Deep	JSLakeGeorg	70139		1516.28	660.86	1.97		1711.21	661.21	2		195	0.35	0.0							
13	Deep	JSLakeGeorg	69435		1515.96	660.28	0.95		1711.18	660.65	0.94		195	0.37	0.0							
13	Deep	JSLakeGeorg	68193		1513.99	659.83	1.55		1710.31	660.23	1.59		196	0.4	0.0							
13	Deep	JSLakeGeorg	66864		1740.52	659.03	1.81		1964.43	659.43	1.87		224	0.4	0.1							
13	Deep	JSLakeGeorg	66388		1751.22	658.65	1.7		1976.99	659.05	1.79		226	0.4	0.1							
13	Deep	JSLakeGeorg	65488		1768.09	657.5	2.69		1996.35	657.87	2.81		228	0.37	0.1							
13	Deep	JSLakeGeorg	64654		1782.76	656.2	2.21		2012.81	656.55	2.3		230	0.35	0.1							
13	Deep	JSLakeGeorg	63857		1799.27	655.26	1.78		2031.28	655.59	1.87		232	0.33	0.1							
13	Deep	JSLakeGeorg	63247		1811.49	654.81	1.59		2044.99	655.13	1.64		234	0.32	0.0							
13	Deep	JSLakeGeorg	62532		1824.47	654.54	0.65		2059.94	654.86	0.67		235	0.32	0.0							
13	Deep	JSLakeGeorg	62169		1833.35	654.35	3.23		2069.9	654.68	3.33		237	0.33	0.1							
13	Deep	JSLakeGeorg	62115		Bridge				Bridge					0	0.0							
13	Deep	JSLakeGeorg	62050		1833.92	654.31	3.2		2070.29	654.64	3.06		236	0.33	-0.1							
13	Deep	JSLakeGeorg	61732		1842.38	654.04	1.91		2079.88	654.39	1.95		238	0.35	0.0							
13	Deep	JSLakeGeorg	61270		1850.3	653.64	1.97		2088.97	653.98	2.04		239	0.34	0.1							
13	Deep	JSLakeGeorg	61156		1853.47	653.47	1.88		2092.4	653.81	1.94		239	0.34	0.1							
13	Deep	JSLakeGeorg	60978		1858.88	653.25	1.52		2098.56	653.59	1.57		240	0.34	0.1							
13	Deep	JSLakeGeorg	60509		1870.3	652.75	2.02		2111.19	653.08	2.1		241	0.33	0.1							
13	Deep	JSLakeGeorg	59758		1882.62	651.82	2.43		2124.8	652.15	2.5		242	0.33	0.1							
13	Deep	JSLakeGeorg	58574		1899.07	650.7	1.92		2142.81	651.05	1.95		244	0.35	0.0							
13	Deep	JSLakeGeorg	57350		1918.61	649.76	2.04		2164.26	650.13	2.07		246	0.37	0.0							
13	Deep	JSLakeGeorg	56397		1935.69	648.74	2.2		2183.48	649.13	2.27		248	0.39	0.1							
13	Deep	JSLakeGeorg	55724		1950.5	648.02	1.68		2199.3	648.43	1.7		249	0.41	0.0							
13	Deep	JSLakeGeorg	54755		1966.53	647.32	1.87		2216.87	647.76	1.92		250	0.44	0.0							
13	Deep	JSLakeGeorg	53123		1987.8	646.51	1.51		2240.58	646.96	1.55		253	0.45	0.0							
13	Deep	JSLakeGeorg	52077		2007.48	646.08	1.37		2261.94	646.53	1.4		254	0.45	0.0							
13	Deep	JSLakeGeorg	51203		2023.6	645.49	2.18		2281.01	645.93	2.28		257	0.44	0.1							
13	Deep	JSLakeGeorg	50734		2021.83	645.02	2.05		2280.92	645.45	2.16		259	0.43	0.1							
13	Deep	JSLakeGeorg	50234		2306.95	644.53	2.58		2577.51	644.94	2.69		271	0.41	0.1							
13	Deep	JSLakeGeorg	49556		2306.69	643.78	2.12		2576.85	644.17	2.19		270	0.39	0.1							
13	Deep	JSLakeGeorg	48301		2306.43	642.98	1.76		2575.68	643.39	1.75		269	0.41	0.0							
13	Deep	JSLakeGeorg	47270		2306.24	642.25	2.2		2574.84	642.7	2.22		269	0.45	0.0							
13	Deep	JSLakeGeorg	46606		2306.01	641.69	3.42		2574.71	642.14	3.6		269	0.45	0.2	13	1724	195	2.31	0.00	2.8	-0.1
	Deep	JSLakeGeorg	46438		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	46376		2306.09	641.2	3.33		2574.34	641.57	3.5		268	0.37	0.2							
12	Deep	JSLakeGeorg	45906		2305.89	640.92	2.11		2574.59	641.29	2.16		269	0.37	0.1							
12	Deep	JSLakeGeorg	45247		2313.88	639.84	2.9		2582.36	640.23	2.96		268	0.39	0.1							
12	Deep	JSLakeGeorg	44666		2319.87	638.7	3.02		2588.25	639.07	3.18		268	0.37	0.2							
12	Deep	JSLakeGeorg	44232		2325.29	637.66	3.2		2593.64	638.02	3.27		268	0.36	0.1							
12	Deep	JSLakeGeorg	43908		2329.41	637	3.76		2598.05	637.33	4.03		269	0.33	0.3							
12	Deep	JSLakeGeorg	43875		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	43837		2329.91	636.63	5.07		2597.44	636.93	5.37		268	0.3	0.3							
12	Deep	JSLakeGeorg	43461		2334.43	636.09	5.08		2601.53	636.36	5.37		267	0.27	0.3							
12	Deep	JSLakeGeorg	43422		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	43390		2334.74	636.08	4.73		2601.77	636.36	4.95		267	0.28	0.2							
12	Deep	JSLakeGeorg	43242		2335.58	635.82	3.64		2602.43	636.12	3.7		267	0.3	0.1							
12	Deep	JSLakeGeorg	43046		2337.5	635.29	3.07		2602.63	635.62	3.01		265	0.33	-0.1							
12	Deep	JSLakeGeorg	43012		2338.32	635.12	4.42		2602.71	635.48	4.18		264	0.36	-0.2							
12	Deep	JSLakeGeorg	42998		Bridge				Bridge					0	0.0							
12	Deep	JSLakeGeorg	42973		2338.71	635.12	3.42		2602.55	635.46	3.42		264	0.34	0.0							
12	Deep	JSLakeGeorg	42477		2341.55	634.79	2.45		2604.49	635.17	2.38		263	0.38	-0.1							
12	Deep	JSLakeGeorg	41418		2351.63	634.04	0.56		2612.56	634.5	0.55		261	0.46	0.0							
12	Deep	JSLakeGeorg	39881		2362.59	633.36	2.16		2623.43	633.9	2.12		261	0.54	0.0							
12	Deep	JSLakeGeorg	39554		2366.79	633.04	1.62		2627.27	633.62	1.62		260	0.58	0.0							
12	Deep	JSLakeGeorg	38999		2371.76	632.77	1.67		2632.01	633.37	1.65		260	0.6	0.0							
12	Deep	JSLakeGeorg	38116		2379.26	632.39	1.57		2639.69	633.02	1.58		260	0.63	0.0							
12	Deep	JSLakeGeorg	37703		2384.7	632.03	4.29		2645.06	632.67	4.44		260	0.64	0.2							
12	Deep	JSLakeGeorg	37631		Mult Open				Mult Open					0	0.0							
12	Deep	JSLakeGeorg	37554		2384.19	629.91	4.81		2644.56	630.22	5.13		260	0.31	0.3							
12	Deep	JSLakeGeorg	36999		2391.19	629.33	2.2		2651.13	629.63	2.25		260	0.3	0.0							
12	Deep	JSLakeGeorg	36181		2399.62	628.19	2.31		2659	628.49	2.36		259	0.3	0.0							
12	Deep	JSLakeGeorg	35034		2406.86	627.21	2.07		2665.56	627.52	2.12		259	0.31	0.1							
12	Deep	JSLakeGeorg	34012		2415.24	626.27	2.17		2672.88	626.59	2.21		258	0.32	0.0							
12	Deep	JSLakeGeorg	33338		2421.64	625.71	1.52		2679.07	626.04	1.53		257	0.33	0.0							
12	Deep	JSLakeGeorg	32345		2429.27	625.16	2.88		2686.18	625.51	2.97		257	0.35	0.1							
12	Deep	JSLakeGeorg	31526		2438.57	624.62	3.12		2695.1	624.94	3.28		257	0.32	0.2							
12	Deep	JSLakeGeorg	31484		Bridge				Bridge					0	0.0							

12	Deep	USLakeGeorg	31444		2438.93	624.18	4.62		2694.78	624.48	4.91		256	0.3	0.3							
12	Deep	USLakeGeorg	30859		2444.98	623.78	1.85		2700.98	624.07	1.91		256	0.29	0.1							
12	Deep	USLakeGeorg	30141		2452.22	623.29	1.41		2708.33	623.58	1.45		256	0.29	0.0							
12	Deep	USLakeGeorg	28772		2464.22	622.22	1.84		2718.47	622.53	1.87		254	0.31	0.0							
12	Deep	USLakeGeorg	27969		2471.39	621.45	1.72		2724.69	621.77	1.77		253	0.32	0.1							
12	Deep	USLakeGeorg	26706		2478.54	620.78	1.73		2730.39	621.12	1.76		252	0.34	0.0							
12	Deep	USLakeGeorg	25820		2483.44	620.3	1.61		2735.32	620.65	1.62		252	0.35	0.0							
12	Deep	USLakeGeorg	24753		2490.41	619.7	1.79		2740.24	620.07	1.83		250	0.37	0.0							
12	Deep	USLakeGeorg	24277		2494.6	619.37	1.56		2744.2	619.74	1.58		250	0.37	0.0							
12	Deep	USLakeGeorg	23302		2503.06	618.89	1.36		2751.3	619.27	1.4		248	0.38	0.0							
12	Deep	USLakeGeorg	22507		2510.78	618.56	1.37		2757.37	618.94	1.4		247	0.38	0.0							
12	Deep	USLakeGeorg	21518		2517.97	618.09	1.86		2764.03	618.47	1.91		246	0.38	0.0							
12	Deep	USLakeGeorg	20795		2525.82	617.63	1.51		2770.71	618	1.55		245	0.37	0.0							
12	Deep	USLakeGeorg	20086		2531.6	617.28	1.6		2775.98	617.66	1.65		244	0.38	0.0							
12	Deep	USLakeGeorg	19928		2534.1	617.22	1.54		2776.83	617.59	1.58		243	0.37	0.0							
12	Deep	USLakeGeorg	19407		2539.67	617	3.49		2782.59	617.36	3.67		243	0.36	0.2	12	269	243	0.64	0.00	0.3	-0.2
	Deep	USLakeGeorg	19336		Bridge				Bridge					0	0.0							
11	Deep	USLakeGeorg	19273		2540.37	616.97	3.07		2782.59	617.32	3.22		242	0.35	0.2							
11	Deep	USLakeGeorg	18982		2543.61	616.88	1.6		2786.44	617.23	1.65		243	0.35	0.0							
11	Deep	USLakeGeorg	18179		2551.17	616.44	1.96		2793.38	616.78	2.01		242	0.34	0.0							
11	Deep	USLakeGeorg	16616		2562.58	615.44	2.05		2800.22	615.79	2.1		238	0.35	0.1							
11	Deep	USLakeGeorg	16067		2561.85	615.06	1.29		2798.32	615.41	1.32		236	0.35	0.0							
11	Deep	USLakeGeorg	15127		2562.13	614.8	1.18		2797.03	615.15	1.21		235	0.35	0.0							
11	Deep	USLakeGeorg	14039		2561.77	614.49	1.27		2796.28	614.84	1.3		235	0.35	0.0							
11	Deep	USLakeGeorg	12507		2561.3	614.09	1.39		2795.74	614.43	1.44		234	0.34	0.1							
11	Deep	USLakeGeorg	11631		2852.78	613.91	0.72		3085.98	614.25	0.74		233	0.34	0.0							
11	Deep	USLakeGeorg	10855		2852.31	613.77	1.05		3084.53	614.1	1.08		232	0.33	0.0							
11	Deep	USLakeGeorg	9782		2852.21	613.49	2.87		3083.22	613.81	3		231	0.32	0.1	11	243	231	0.35	0.32	0.2	0.0
	Deep	USLakeGeorg	9716		Bridge				Bridge					0	0.0							
10	Deep	USLakeGeorg	9630		2852.61	613.27	2.82		3083.51	613.56	2.94		231	0.29	0.1							
10	Deep	USLakeGeorg	9188		2852.72	613.2	1.46		3083.67	613.48	1.52		231	0.28	0.1							
10	Deep	USLakeGeorg	8897		2852.16	613.13	0.81		3082.83	613.41	0.84		231	0.28	0.0							
10	Deep	USLakeGeorg	8295		2852.35	613	1.65		3083.59	613.28	1.72		231	0.28	0.1							
10	Deep	USLakeGeorg	8102		2889.94	612.9	1		3119.08	613.17	1.04		229	0.27	0.0							
10	Deep	USLakeGeorg	7054		2889.72	612.6	1.92		3119.35	612.85	1.99		230	0.25	0.1							
10	Deep	USLakeGeorg	6756		2889.04	612.39	1.4		3119.05	612.64	1.47		230	0.25	0.1							
10	Deep	USLakeGeorg	6208		2888.96	612.12	1.76		3119.35	612.35	1.84		230	0.23	0.1							
10	Deep	USLakeGeorg	5892		2888.42	611.99	1.72		3118.86	612.22	1.79		230	0.23	0.1							
10	Deep	USLakeGeorg	5829		Bridge				Bridge					0	0.0							
10	Deep	USLakeGeorg	5782		2888.52	611.91	2.02		3118.86	612.13	2.12		230	0.22	0.1							
10	Deep	USLakeGeorg	5461		2888.38	611.86	1.11		3119.22	612.08	1.16		231	0.22	0.0							
10	Deep	USLakeGeorg	5071		2889.18	611.79	0.86		3118.57	612	0.9		229	0.21	0.0							
10	Deep	USLakeGeorg	4635		2888.08	611.73	1.39		3118.91	611.94	1.45		231	0.21	0.1							
10	Deep	USLakeGeorg	3552		2887.43	611.6	0.92		3118.32	611.8	0.97		231	0.2	0.0							
10	Deep	USLakeGeorg	2936		2885.63	611.52	1.03		3118.74	611.71	1.09		233	0.19	0.1							
10	Deep	USLakeGeorg	1907		2885.45	611.41	1.51		3118.44	611.6	1.6		233	0.19	0.1							
10	Deep	USLakeGeorg	1253		2883.77	611.27	1.3		3116.32	611.44	1.37		233	0.17	0.1							
10	Deep	USLakeGeorg	620		2881.15	611.18	1.68		3116.44	611.34	1.79		235	0.16	0.1	10	235	229	0.29	0.00	0.1	0.0
9	Deep	USDuck	75919.1		5054.32	611.06	2.17		5225.27	611.22	2.2		171	0.16	0.0							
9	Deep	USDuck	75919		5055.06	611.06	2.17		5223.86	611.22	2.2		169	0.16	0.0							
9	Deep	USDuck	74577		5060.33	611	0.59		5229.01	611.16	0.61		169	0.16	0.0							
9	Deep	USDuck	73646		5065.04	610.99	0.5		5233.67	611.15	0.51		169	0.16	0.0							
9	Deep	USDuck	73085		5067.88	610.99	0.55		5236.11	611.15	0.56		168	0.16	0.0							
9	Deep	USDuck	72588		5071.1	610.98	0.79		5238.7	611.14	0.81		168	0.16	0.0							
9	Deep	USDuck	72272		5072.6	610.93	1.98		5239.84	611.08	2.02		167	0.15	0.0	9	171	167	0.16	0.15	0.0	0.0
	Deep	USDuck	72176		Bridge				Bridge					0	0.0							
8	Deep	USDuck	72091		5068.03	610.1	3.41		5234.42	610.22	3.49		166	0.12	0.1							
8	Deep	USDuck	71748		5071.11	610.16	0.94		5236.12	610.28	0.96		165	0.12	0.0							
8	Deep	USDuck	71471		5072.06	610.16	0.83		5237.85	610.28	0.85		166	0.12	0.0							
8	Deep	USDuck	70800		5076.42	610.14	0.76		5240.48	610.26	0.78		164	0.12	0.0							
8	Deep	USDuck	70081		5079.77	610.13	0.92		5243.96	610.24	0.94		164	0.11	0.0							
8	Deep	USDuck	69112		5085.46	610.1	1		5248.94	610.22	1.02		163	0.12	0.0							
8	Deep	USDuck	68349		5089.41	610.1	0.67		5252.04	610.22	0.65		163	0.12	0.0							
8	Deep	USDuck	68057		5091.12	610.05	1.93		5253.87	610.19	1.68		163	0.14	-0.3							
8	Deep	USDuck	67948		Bridge				Bridge					0	0.0							
8	Deep	USDuck	67862		5091.04	610.04	1.01		5254.17	610.17	1.03		163	0.13	0.0							
8	Deep	USDuck	67287		5094	610.04	0.57		5257.05	610.17	0.58		163	0.13	0.0							
8	Deep	USDuck	66449		5099.15	610.03	0.83		5260.51	610.16	0.84		161	0.13	0.0							
8	Deep	USDuck	65658		5103.32	610.02	0.6		5264.8	610.16	0.61		161	0.14	0.0							
8	Deep	USDuck	64951		5106.69	610.02	0.6		5267.76	610.15	0.61		161	0.13	0.0							
8	Deep	USDuck	64403		5109.73	610	1.11		5270.02	610.13	1.13		160	0.13	0.0							
8	Deep	USDuck	64140		5111.3	609.81	4.02		5271.64	609.93	4.11		160	0.12	0.1							
8	Deep	USDuck	64073		Bridge				Bridge					0	0.0							
8	Deep	USDuck	63973		5111.05	608.92	3.39		5271.23	608.99	3.48		160	0.07	0.1							
8	Deep	USDuck	63867		5111.66	609.01	2.06		5271.88	609.08	2.12		160	0.07	0.1							
8	Deep	USDuck	63747		5112.03	609	1.98		5272.24	609.08	2.03		160	0.08	0.0							
8	Deep	USDuck	63629		Culvert				Culvert					0	0.0							
8	Deep	USDuck	63518		5112.06	608.74	2.1		5272.65	608.8	2.15		161	0.06	0.0							
8	Deep	USDuck	63249		5113.91	608.77	0.84		5273.97	608.84	0.86		160	0.07	0.0							
8	Deep	USDuck	62725		5113.85	608.78	0.4		5273.87	608.84	0.41		160	0.06	0.0							
8	Deep	USDuck	62349		5113.82	608.78	0.41		5273.89	608.84	0.42		160	0.06	0.0	8	166	160	0.14	0.00	0.1	-0.3
	Deep	USDuck	62232		Inl Struct				Inl Struct					0	0.0							
7	Deep	USDuck	62095		5111.08	605.78	2.16		5271.44	605.96	2.2		160	0.18	0.0							
7	Deep	USDuck	61997		5110.81	605.81	1.26		5271.29	606	1.28		160	0.19	0.0							
7	Deep	USDuck	61825		5110.81	605.76	2.22		5270.02	605.94	2.26		159	0.18	0.0							
7	Deep	USDuck	61746		Bridge				Bridge					0	0.0							
7	Deep	USDuck	61668		5109.62	605.2	3.78		5270.02	605.35	3.85		160	0.15	0.1							
7	Deep	USDuck	61549		5108.79	605.27	2.78		5270.19	605.42	2.82		161	0.15	0.0							
7	Deep	DSDuck	961329		5777.85	605.23	2.61		5918.36	605.39	2.63		141	0.16	0.0							
7	Deep	DSDuck	961230		5777.97	605.24	2.44		5917.86	605.39	2.47		140	0.15	0.0	7	161	140	0.19	0.00	0.1	0.0
	Deep	DSDuck	961109		Bridge				Bridge					0	0.0							
6	Deep	DSDuck	960993		5777.01	605.1	2.24		5915.19	605.25	2.28		138	0.15	0.0							
6	Deep	DSDuck	960900		Lat Struct				Lat Struct					0	0.0							
6	Deep	DSDuck	960895		5777.02	605.11	1.99		5915.3	605.26	2.01		138	0.15	0.0							
6	Deep	DSDuck	960679		5776.25	605.08	1.9		5915.08	605.23	1.92		139	0.15	0.0							
6	Deep	DSDuck	960529		5746.02	605.04	2.18		5872.78	605.19	2.2		127	0.15	0.0							
6	Deep	DSDuck	959872		4657.56	604.95	1.73		4720.19	605.1	1.73		63	0.15	0.0							
6	Deep	DSDuck	959178		5773.32	604.85	1.87		5912.38	605	1.88		139	0.15	0.0							
6	Deep	DSDuck	958649		5772.22	604.75	1.98		5912.44	604.9	2		140	0.15	0.0							
6	Deep	DSDuck	957989		5771.45	604.67	1.58		5910.98	604.82	1.59		140	0.15	0.0							
6	Deep	DSDuck	957262		5771.76	604.54	2.01		5910.74	604.69	2.04		139	0.15	0.0							
6	Deep	DSDuck	956509		5770.4	604.39	2.8		5909.39	604.53	2.83		139	0.14	0.0	6	140	63	0.15	0.00	0.0	0.0
	Deep	DSDuck	956387		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	956282		5767.17	603.85	3.05		5905.3	603.97	3.1		138	0.12	0.1							
5	Deep	DSDuck	956184		5767.32	603.87	2.65		5906.8	603.98	2.69		139	0.11	0.0							
5	Deep	DSDuck	956039		5767.02	603.87	2.1		5905.72	603.99	2.13		139	0.12	0.0							
5	Deep	DSDuck	955916		5767.82	603.87	1.88		5906.56	603.99	1.9		139	0.12	0.0							

5	Deep	DSDuck	955614		5766.99	603.84	1.85		5906.24	603.96	1.87		139	0.12	0.0							
5	Deep	DSDuck	954784		5765.28	603.71	2.12		5905.22	603.83	2.15		140	0.12	0.0							
5	Deep	DSDuck	954658		5800.47	603.47	4.65		5937.28	603.58	4.72		137	0.11	0.1							
5	Deep	DSDuck	954592		Bridge				Bridge					0	0.0							
5	Deep	DSDuck	954427.1		5796	603.24	3.38		5935.07	603.34	3.44		139	0.1	0.1							
5	Deep	DSDuck	954427		5797.75	603.24	3.38		5935.4	603.34	3.44		138	0.1	0.1							
5	Deep	DSDuck	954107		5841.48	603.24	2.18		5977.33	603.35	2.21		136	0.11	0.0							
5	Deep	DSDuck	953696		5840.67	603.13	2.64		5976.17	603.23	2.67		136	0.1	0.0							
5	Deep	DSDuck	953203		5840.53	603.08	2.04		5975.24	603.18	2.07		135	0.1	0.0							
5	Deep	DSDuck	952132		5835.12	602.91	2.44		5972.96	603.01	2.47		138	0.1	0.0							
5	Deep	DSDuck	951884		5836.41	602.82	2.56		5969.43	602.92	2.6		133	0.1	0.0							
5	Deep	DSDuck	951566		5835.16	602.74	2.58		5969.06	602.83	2.61		134	0.09	0.0							
5	Deep	DSDuck	950991		5832.6	602.62	2.84		5966.8	602.71	2.88		134	0.09	0.0							
5	Deep	DSDuck	950682		5831.47	602.58	2.28		5967.04	602.67	2.31		136	0.09	0.0							
5	Deep	DSDuck	949909		5828.42	602.42	2.42		5962.81	602.51	2.46		134	0.09	0.0							
5	Deep	DSDuck	949579		Lat Struct				Lat Struct					0	0.0							
5	Deep	DSDuck	949279		5602.19	602.35	2.09		5732.64	602.44	2.12		130	0.09	0.0							
5	Deep	DSDuck	949168		5615.36	602.34	1.91		5744.49	602.43	1.94		129	0.09	0.0							
5	Deep	DSDuck	948729		5824.51	602.26	2.27		5961.35	602.35	2.31		137	0.09	0.0	5	140	129	0.12	0.00	0.1	0.0
	Deep	DSDuck	948655		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	948480.1		5820.65	601.98	1.74		5957.54	602.08	1.76		137	0.1	0.0							
4	Deep	DSDuck	948480		5822.46	601.98	1.74		5957.19	602.08	1.76		135	0.1	0.0							
4	Deep	DSDuck	948428		6029.75	601.99	1.52		6158.3	602.09	1.53		129	0.1	0.0							
4	Deep	DSDuck	948174		6029.89	601.95	1.77		6157.74	602.05	1.78		128	0.1	0.0							
4	Deep	DSDuck	947566		6027.57	601.86	1.67		6154.44	601.96	1.68		127	0.1	0.0							
4	Deep	DSDuck	946997		6022.61	601.67	2.47		6151.54	601.77	2.49		129	0.1	0.0							
4	Deep	DSDuck	946167		6020.93	601.59	1.34		6149.36	601.69	1.35		128	0.1	0.0							
4	Deep	DSDuck	945248		6020.67	601.54	1.58		6148.18	601.64	1.59		128	0.1	0.0							
4	Deep	DSDuck	944337		6019.43	601.47	1.51		6147.32	601.57	1.52		128	0.1	0.0							
4	Deep	DSDuck	942778		6014.52	601.1	3.69		6144.06	601.2	3.69		130	0.1	0.0							
4	Deep	DSDuck	942375		6013.04	600.98	3.49		6141.89	601.08	3.5		129	0.1	0.0							
4	Deep	DSDuck	942129		6011.55	600.9	3.53		6140.88	601	3.53		129	0.1	0.0							
4	Deep	DSDuck	941984		6010.3	600.73	4.43		6138.71	600.83	4.47		128	0.1	0.0							
4	Deep	DSDuck	941852		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	941790		6010.12	600.72	3.27		6138.86	600.82	3.31		129	0.1	0.0							
4	Deep	DSDuck	941433		6004.29	600.41	4.13		6135.52	600.51	4.16		131	0.1	0.0							
4	Deep	DSDuck	940705		5998.79	600.14	3.16		6129.52	600.24	3.19		131	0.1	0.0							
4	Deep	DSDuck	940620		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	940573		5993.29	599.84	4.07		6122.45	599.94	4.09		129	0.1	0.0							
4	Deep	DSDuck	940382		5991.93	599.87	1.84		6122.95	599.97	1.86		131	0.1	0.0							
4	Deep	DSDuck	939456		5991.39	599.77	1.86		6121.22	599.88	1.88		130	0.11	0.0							
4	Deep	DSDuck	938026		5988.12	599.67	1.95		6118.91	599.77	1.96		131	0.1	0.0							
4	Deep	DSDuck	937064		5981.11	599.3	3.52		6107.66	599.4	3.56		127	0.1	0.0							
4	Deep	DSDuck	936422		5979.5	599.19	2.92		6104.39	599.28	2.96		125	0.09	0.0							
4	Deep	DSDuck	935423		5971.41	598.99	2.89		6046.48	599.09	2.9		75	0.1	0.0							
4	Deep	DSDuck	934734		6058.49	598.89	2.69		6120.33	598.99	2.69		62	0.1	0.0							
4	Deep	DSDuck	934223		6052.27	598.82	2.56		6107.43	598.92	2.56		55	0.1	0.0							
4	Deep	DSDuck	934145		Bridge				Bridge					0	0.0							
4	Deep	DSDuck	934031		6053.33	598.3	2.78		6107.43	598.4	2.78		54	0.1	0.0							
4	Deep	DSDuck	933391		6050.43	598.23	2.61		6099.09	598.33	2.59		49	0.1	0.0							
4	Deep	DSDuck	932574		5939.54	597.99	3.06		6057.33	598.09	3.09		118	0.1	0.0							
4	Deep	DSDuck	931721		5897.77	597.79	2.91		6025.85	597.89	2.94		128	0.1	0.0							
4	Deep	DSDuck	931117		5886.62	597.75	2.35		6011.62	597.85	2.36		125	0.1	0.0							
4	Deep	DSDuck	930406		5871.71	597.68	2.26		5996.93	597.78	2.27		125	0.1	0.0							
4	Deep	DSDuck	929978		5851.53	597.63	2.22		5981.05	597.73	2.24		130	0.1	0.0							
4	Deep	DSDuck	929807		5838.68	597.58	2.61		5973.79	597.68	2.64		135	0.1	0.0	4	137	49	0.11	0.00	0.0	0.0
	Deep	DSDuck	929749		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	929665		5828.56	597.4	2.78		5957.19	597.5	2.81		129	0.1	0.0							
3	Deep	DSDuck	929174		5812.45	597.38	2.18		5953.73	597.48	2.2		141	0.1	0.0							
3	Deep	DSDuck	928469		5776.42	597.29	2.43		5910.02	597.39	2.45		134	0.1	0.0							
3	Deep	DSDuck	927523		5717.38	597.13	2.96		5833.21	597.23	2.98		116	0.1	0.0							
3	Deep	DSDuck	926814		5698.22	597.08	2.46		5795.57	597.18	2.47		97	0.1	0.0							
3	Deep	DSDuck	926669		5682.19	597.04	2.66		5774.29	597.14	2.67		92	0.1	0.0							
3	Deep	DSDuck	926582		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	926438		5681.65	597.04	1.93		5782.25	597.15	1.95		101	0.11	0.0							
3	Deep	DSDuck	925793		5634.14	596.94	2.6		5727.12	597.04	2.61		93	0.1	0.0							
3	Deep	DSDuck	925300		5582.21	596.88	2.48		5699.71	596.99	2.5		118	0.11	0.0							
3	Deep	DSDuck	925073		5571.32	596.85	2.2		5680.9	596.96	2.21		110	0.11	0.0							
3	Deep	DSDuck	924833		5490.47	596.77	2.94		5602.51	596.87	2.97		112	0.1	0.0							
3	Deep	DSDuck	924743		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	924681		5440.47	595.99	3.29		5591.51	596.09	3.34		151	0.1	0.0							
3	Deep	DSDuck	924342		5332.69	595.92	3.01		5553.46	596.03	3.08		221	0.11	0.1							
3	Deep	DSDuck	924002		5292.99	595.86	2.82		5489.25	595.97	2.87		196	0.11	0.1							
3	Deep	DSDuck	923827		5262.26	595.82	2.86		5454.41	595.93	2.9		192	0.11	0.0							
3	Deep	DSDuck	923771		5231.25	595.78	3.4		5409.97	595.88	3.44		179	0.1	0.0							
3	Deep	DSDuck	923770		Inl Struct				Inl Struct					0	0.0							
3	Deep	DSDuck	923736		5209.36	595.73	2.3		5378.38	595.83	2.34		169	0.1	0.0							
3	Deep	DSDuck	923653		5200.93	595.7	2.37		5353.13	595.8	2.38		152	0.1	0.0							
3	Deep	DSDuck	923529		5177.84	595.64	3.2		5327.28	595.74	3.23		149	0.1	0.0							
3	Deep	DSDuck	923513		Lat Struct				Lat Struct					0	0.0							
3	Deep	DSDuck	923502		5185.22	595.64	2.73		5326.9	595.75	2.76		142	0.11	0.0							
3	Deep	DSDuck	923500		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	923450		5177.56	595.63	2.71		5324.1	595.74	2.74		147	0.11	0.0							
3	Deep	DSDuck	923408		5164.05	595.61	3.17		5314.8	595.72	3.2		151	0.11	0.0							
3	Deep	DSDuck	923308		5155.18	595.6	2.83		5294.53	595.71	2.86		139	0.11	0.0							
3	Deep	DSDuck	923080		5133.26	595.6	2.38		5269.75	595.71	2.4		136	0.11	0.0							
3	Deep	DSDuck	922636		5122.21	595.55	2.75		5259.96	595.65	2.78		138	0.1	0.0							
3	Deep	DSDuck	922169		5085.8	595.5	2.65		5219.18	595.6	2.68		133	0.1	0.0							
3	Deep	DSDuck	921587		5162.34	595.38	2.94		5294.55	595.48	2.99		132	0.1	0.1							
3	Deep	DSDuck	921501		5116.32	595.24	4		5244.71	595.34	4.07		128	0.1	0.1							
3	Deep	DSDuck	921345		Bridge				Bridge					0	0.0							
3	Deep	DSDuck	921039.2		5067.04	595.1	3.63		5194.13	595.2	3.7		127	0.1	0.1							
3	Deep	DSDuck	921039.1		5064.43	595.1	3.63		5190.15	595.2	3.7		126	0.1	0.1							
3	Deep	DSDuck	921039		5063.03	595.1	3.63		5181.13	595.2	3.69		118	0.1	0.1	3	221	92	0.11	0.00	0.1	0.0
1	Burns	Burns	920939		5245.13	595.1	3.89		5388.85	595.2	3.97		144	0.1	0.1							
1	Burns	Burns	920769		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920617		5233.14	594.98	4.14		5368.87	595.07	4.22		136	0.09	0.1							
1	Burns	Burns	920468		5230.76	594.95	3.96		5363.75	595.04	4.03		133	0.09	0.1							
1	Burns	Burns	920465		Lat Struct				Lat Struct					0	0.0							
1	Burns	Burns	920185		5071.14	594.94	3.5		5179.78	595.03	3.55		109	0.09	0.0							
1	Burns	Burns	919872		5103.06	594.88	3.41		5208.17	594.97	3.45		105	0.09	0.0							
1	Burns	Burns	919832		5186.18	594.87	3.39		5297.44	594.96	3.43		111	0.09	0.0							
1	Burns	Burns	919726		Bridge				Bridge					0	0.0							
1	Burns	Burns	919668		5160.53	594.68	3.89		5266.73	594.76	3.93		106	0.08	0.0							
1	Burns	Burns	919588		5162.84	594.68	3.82		5268.14	594.76	3.86		105	0.08	0.0							
1	Burns	Burns	919536		Bridge				Bridge					0	0.0							
1	Burns	Burns	919491		5172.73	594.75	2.85		5277.31	594.84	2.89		105	0.09	0.0							

1	Burns	Burns	919490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919476		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	919340		4932.01	594.73	2.92		5036.73	594.81	2.96		105	0.08	0.0						
1	Burns	Burns	919021		4053.83	594.78	2.1		4128.52	594.87	2.12		75	0.09	0.0						
1	Burns	Burns	918058		2245.39	594.8	1.32		2280.62	594.89	1.33		35	0.09	0.0						
1	Burns	Burns	917449		1613.95	594.81	0.99		1644.69	594.9	1		31	0.09	0.0						
1	Burns	Burns	916752		1822.23	594.78	1.11		1779.97	594.88	1.08		-42	0.1	0.0						
1	Burns	Burns	916647		1874.21	594.77	1.26		1820.14	594.87	1.22		-54	0.1	0.0						
1	Burns	Burns	916591		Bridge				Bridge					0	0.0						
1	Burns	Burns	916504		1874.6	594.76	1.24		1819.92	594.85	1.2		-55	0.09	0.0						
1	Burns	Burns	916490		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916482		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	916384		1875.9	594.75	1.19		1815.42	594.85	1.14		-60	0.1	-0.1						
1	Burns	Burns	915170		1177.68	594.75	0.79		1100.07	594.85	0.74		-78	0.1	-0.1						
1	Burns	Burns	914864		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	913799		1086.36	594.74	0.73		985.02	594.84	0.66		-101	0.1	-0.1						
1	Burns	Burns	912165		1366.73	594.72	0.81		1227.97	594.82	0.72		-139	0.1	-0.1						
1	Burns	Burns	911810		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	911500		2150.8	594.67	1.34		1941.16	594.78	1.2		-210	0.11	-0.1						
1	Burns	Burns	909818		3235.75	594.52	1.92		3129.7	594.64	1.84		-106	0.12	-0.1						
1	Burns	Burns	907147		5040.35	594.08	2.9		5133.09	594.19	2.93		93	0.11	0.0						
1	Burns	Burns	905522		5049.17	593.84	2.82		5210.88	593.94	2.88		162	0.1	0.1						
1	Burns	Burns	905438		Bridge				Bridge					0	0.0						
1	Burns	Burns	905364		5049.17	593.79	2.83		5140.05	593.9	2.85		91	0.11	0.0						
1	Burns	Burns	904862		5007.02	593.69	3.03		5133.04	593.8	3.04		126	0.11	0.0						
1	Burns	Burns	904213		5000.17	593.61	2.79		5126.58	593.72	2.81		126	0.11	0.0						
1	Burns	Burns	903765		4990.99	593.53	2.85		5082.08	593.64	2.88		91	0.11	0.0						
1	Burns	Burns	903487		4987.72	593.5	2.73		5079.73	593.61	2.75		92	0.11	0.0						
1	Burns	Burns	903304		Bridge				Bridge					0	0.0						
1	Burns	Burns	903222		4980.29	593.37	3.02		5069.27	593.47	3.05		89	0.1	0.0						
1	Burns	Burns	903216		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	903196		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	902545		4913.42	593.28	2.82		5024.75	593.38	2.87		111	0.1	0.1						
1	Burns	Burns	902215		4816.03	593.24	2.8		4934.38	593.35	2.85		118	0.11	0.1						
1	Burns	Burns	901966		4815.87	593.2	2.88		4892.64	593.3	2.91		77	0.1	0.0						
1	Burns	Burns	901643		4922.18	593.21	2.32		5003.28	593.31	2.34		81	0.1	0.0						
1	Burns	Burns	901478		Bridge				Bridge					0	0.0						
1	Burns	Burns	901218		4843.57	593.07	2.39		4961.15	593.16	2.43		118	0.09	0.0						
1	Burns	Burns	900573		4835.53	592.96	2.92		4920.57	593.05	2.95		85	0.09	0.0						
1	Burns	Burns	900081		4833.44	592.91	2.82		4911.58	593	2.85		78	0.09	0.0						
1	Burns	Burns	18866		4833.54	592.9	2.72		4910.49	592.99	2.75		77	0.09	0.0						
1	Burns	Burns	18616		4829.5	592.76	3.62		4906.48	592.85	3.65		77	0.09	0.0						
1	Burns	Burns	18571		Bridge				Bridge					0	0.0						
1	Burns	Burns	18530		4830.82	592.81	3.03		4907.45	592.89	3.06		77	0.08	0.0						
1	Burns	Burns	18529		4830.6	592.81	3.03		4911.21	592.89	3.06		81	0.08	0.0						
1	Burns	Burns	18452		Bridge				Bridge					0	0.0						
1	Burns	Burns	18365		4831.67	591.46	2.82		4908.25	591.54	2.85		77	0.08	0.0						
1	Burns	Burns	18249		4832.38	591.46	2.68		4908.99	591.54	2.7		77	0.08	0.0						
1	Burns	Burns	18079		5092.84	591.36	3.26		5169.47	591.43	3.28		77	0.07	0.0						
1	Burns	Burns	18078		5092.81	591.36	3.25		5169.44	591.43	3.28		77	0.07	0.0						
1	Burns	Burns	18017		Bridge				Bridge					0	0.0						
1	Burns	Burns	17972		5023.95	591.17	3.68		5169.44	591.24	3.76		145	0.07	0.1						
1	Burns	Burns	31 south2		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	17309		5019.75	591.11	2.84		5097.04	591.18	2.87		77	0.07	0.0						
1	Burns	Burns	16898		4975.12	591.05	2.75		5093.62	591.12	2.8		119	0.07	0.0						
1	Burns	Burns	96 north1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	15741		4927.13	590.82	3.1		5041.21	590.88	3.15		114	0.06	0.0						
1	Burns	Burns	13924		4949.34	590.53	2.89		5018.89	590.59	2.92		70	0.06	0.0						
1	Burns	Burns	13335		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	13011		4991.44	590.4	2.75		5059.14	590.46	2.78		68	0.06	0.0						
1	Burns	Burns	6 BurnsN5		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	12071		4988.06	590.25	2.85		5053.4	590.31	2.88		65	0.06	0.0						
1	Burns	Burns	21 south1		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	10554		4984.46	590.1	2.25		5046.86	590.15	2.26		62	0.05	0.0						
1	Burns	Burns	9926		Lat Struct				Lat Struct					0	0.0						
1	Burns	Burns	9194		5012.67	589.95	2.34		5078.75	590	2.36		66	0.05	0.0						
1	Burns	Burns	7751		5006.69	589.81	2.29		5075.71	589.86	2.31		69	0.05	0.0						
1	Burns	Burns	7232		5002.49	589.76	2.21		5074.93	589.81	2.24		72	0.05	0.0						
1	Burns	Burns	5385		4989.1	589.56	2.29		5056.79	589.6	2.31		68	0.04	0.0						
1	Burns	Burns	4161		4915.27	589.4	2.58		4977.6	589.43	2.61		62	0.03	0.0						
1	Burns	Burns	3756		14040.52	588.66	4.59		14105.53	588.69	4.6		65	0.03	0.0						
1	Burns	Burns	3276		14040.47	588.42	5.05		14104.12	588.46	5.06		64	0.04	0.0						
1	Burns	Burns	2944		14121.73	588.18	5.6		14184.45	588.22	5.61		63	0.04	0.0						
1	Burns	Burns	2144		14121.32	588.26	2.1		14184.34	588.3	2.1		63	0.04	0.0						
1	Burns	Burns	1865		Bridge				Bridge					0	0.0						
1	Burns	Burns	1794		14121.29	587.12	6.12		14184.52	587.15	6.14		63	0.03	0.0						
1	Burns	Burns	1793		14121.49	587.12	6.11		14184.5	587.16	6.13		63	0.04	0.0						
1	Burns	Burns	1758		Bridge				Bridge					0	0.0						
1	Burns	Burns	1700		14121.5	586.56	7.29		14184.39	586.59	7.31		63	0.03	0.0						
1	Burns	Burns	1699		14121.03	586.56	7.28		14184.28	586.59	7.29		63	0.03	0.0						
1	Burns	Burns	1634		Bridge				Bridge					0	0.0						
1	Burns	Burns	1579		14121.51	586.98	4.9		14184.37	587.01	4.91		63	0.03	0.0						
1	Burns	Burns	1518		14121.57	586.95	4.85		14184.19	586.98	4.87		63	0.03	0.0						
1	Burns	Burns	784		14121.29	586.64	4.83		14184.33	586.67	4.84		63	0.03	0.0						
1	Burns	Burns	682		14121.19	586.5	5.36		14184.15	586.53	5.37		63	0.03	0.0						
1	Burns	Burns	588		Bridge				Bridge					0	0.0						
1	Burns	Burns	532.1		14121.14	584.63	9.08		14184.04	584.65	9.11		63	0.02	0.0						
1	Burns	Burns	532		14121.29	584.91	8.03		14184.35	584.93	8.05		63	0.02	0.0						
1	Burns	Burns	100		14121.58	585.03	5.38		14184.37	585.06	5.39		63	0.03	0.0						
1	Burns	Burns	1		14121.32	582.93	5.97		14184.54	582.94	5.99		63	0.01	0.0						
1	Burns	Burns	0		476.6	581.1	0.03		485.1	581.1	0.03		9	0	0.0	1	162	-210	0.12	0.00	0.1	-0.1

Proposed Project: impact of existing storage areas along main Beaver Dam Ditch
Project Description: remove all existing storage areas south of Lincoln Highway
Project Location: south of Lincoln Highway
Project Requester: NA
Flood Evaluated: 100 Yr - 96 Hr

Map ID	Stream	Reach	Model Cross Sections	peak 100 yr WSEL change, ft	% increase in peak discharge, cfs	increase in channel velocity, fps	change in hydrograph timing	other impacts
1	Burns Ditch	d/s L Calumet River	500-920939	up to + 0.1	negligible	negligible		
2	L Calumet River	Deep River confluence to 500 ft u/s I-65	173-2575	up to + 0.1	22	negligible		
3	Deep River	confluence with L Calumet River to Dekalb St/Micigan St	DSDuck 921039-929665	up to + 0.1	negligible	negligible		
4	Deep River	Delakb St/Michigan St to US 6/SR51/ Ripley St South crossing	DSDuck 929807-948480	up to + 0.1	negligible	negligible		
5	Deep River	US 6/SR 51/Ripley st south crossing to Rand St	DSDuck 948729-956282	up to + 0.1	negligible	negligible		
6	Deep River	Rand St to RR d/s of Duck Ck	DS Duck 956509-960993	up to +0.2	negligible	negligible		
7	Deep River	u/s of RR d/s of Duck Ck to Lake George outlet	DSDuck 961230-USDuck 62095	up to +0.2	negligible	negligible		
8	Deep River	Lake George outlet to RR u/s of Wisconsin St over Lake George	USDuck 62349-72091	up to + 0.1	negligible	negligible		
9	Deep River	RR u/s of Wisconsin St over Lake George to Turkey Ck Liverpool Rd	USDuck 72272-Turkey 6557	up to + 0.2	8	negligible		
10	Deep River	Deep R (confluence with Lake George to E 61st St/Bracken Dr)	USLakeGeorge 620-9630	up to + 0.3	8	negligible		
11	Deep River	E61st St/ Bracken Dr to Grand Blvd/SR 51 (north crossing)	USLakeGeorge 9782-19273	up to + 0.4	9	negligible		
12	Deep River	Grand Blvd/SR 51 (north crossing) to Old Lincoln Hwy/ US 30	USLakeGeorge 19407-46376	up to +0.6	9	negligible		
13	Deep River	old Lincoln Hwy /US30 to Clay St	USLakeGeorge 46606-78285	up to + 2.3	93	2.8		
14	Deep R/Main Beaver Dam Ditch	Clay St to I-65	USLakeGeorge 78407-97432	up to + 2.9	122	1.5		
15	Main Beaver Dam Ditch	I-65 to 2500 ft u/s Clark Rd	USLakeGeorge 97818-124902	up to + 5.2	946	1.6		
16	Turkey Ck	Turkey Ck Liverpool Rd toBroadway	6686-18455	up to + 0.1	negligible	negligible		
17	Turkey Ck	Broadway toHendricks St	18578-33479	negligible	negligible	negligible		
18	Duck Ck	Duck Ck confluence to Brickie Bowl RR	264-3239	up to + 0.2	negligible	negligible		
19	Duck Ck	Brickie Bowl RR to trail u/s of 5th St	3342-3761	negligible	negligible	negligible		
20	Duck Ck	trail u/s 5th St to 10th St	3892-13992	negigible	negligible	negligible		
21	Duck Ck	10th St to CR 750 W	14091-20491	negigible	negligible	negligible		