# FINAL

# TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Upper Terrebonne Basin, Louisiana

(120110, 120102, 120103, 120105, 120106, 120107, 120109)

Volume I

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# EXECUTIVE SUMMARY

Section 303(d) of the Clean Water Act and the U.S. Environmental Protection Agency's (EPA's) Water Quality Planning and Management Regulations (at Title 40 of the *Code of Federal Regulations* [CFR] Part 130) require states to develop Total Maximum Daily Loads (TMDLs) for impaired waterbodies. A TMDL establishes the amount of a pollutant that a waterbody can assimilate while still meeting the water quality standard for that pollutant. TMDLs provide the scientific basis for a state to establish water quality-based controls to reduce pollution from both point and nonpoint sources to restore and maintain the quality of the state's water resources (USEPA 1991).

A TMDL for a given pollutant and waterbody is composed of the sum of individual wasteload allocations (WLAs) for point sources and load allocations (LAs) for nonpoint sources and natural background levels. In addition, the TMDL must include an implicit or explicit margin of safety (MOS) to account for the uncertainty in the relationship between pollutant loads and the quality of the receiving waterbody, and it may include a future growth (FG) component. The TMDL components are illustrated using the following equation:

$$TMDL = \Sigma\, WLAs + \Sigma\, LAs + MOS + FG$$

The study area for this TMDL includes seven upper Terrebonne Basin subsegments. The upper Terrebonne Basin is in Point Coupe, Iberville, and West Baton Rouge Parishes. The predominant land use in the impaired subsegments is wetland. The percentage of wetlands in the watersheds ranges from 23.5 percent to 95.4 percent followed by cultivated crops, pasture/hay, and developed. Heavy rainfall events typically occur in March and April as frontal weather systems pass through.

The Louisiana Department of Environmental Quality (LDEQ) has included seven upper Terrebonne Basin subsegments on the state's 2004 section 303(d) list of impaired waterbodies. The subsegments are listed for dissolved oxygen and nutrient impairments. The impaired designated uses for the subsegments (Table ES-1) are primary and secondary contact recreation (PCR and SCR), and fish and wildlife propagation (FWP). The subsegments are either fully supporting (F) or not supporting (N).

**Table ES-1. Section 303(d) listing for subsegments included in this report**

| Subsegment | Subsegment name | Subsegment description | Designated use | | |
|---|---|---|---|---|---|
| | | | PCR | SCR | FWP |
| 120102 | Bayou Poydras | Headwaters to Bayou Choctaw | N | F | N |
| 120103 | Bayou Choctaw | Bayou Poydras confluence to Bayou Grosse Tete | F | F | N |
| 120105 | Chamberlin Canal | Chamberlin to Bayou Choctaw | N | N | N |
| 120106 | Bayou Plaquemine | Plaquemine Lock to ICWW | F | F | N |
| 120107 | Upper Grand River and Lower Flat River | Headwaters to ICWW | F | F | F |
| 120109 | Intracoastal Waterway | ICWW Morgan City to Port Allen Route: Port Allen Locks to Bayou Sorrel Locks | N | F | N |
| 120110 | Bayou Cholpe | Headwaters to Bayou Choctaw | F | F | N |

A water quality model (LA-QUAL) was set up to simulate dissolved oxygen, 25-day carbonaceous biochemical oxygen demand (CBOD), ammonia nitrogen, and nitrite+nitrate. The model was calibrated using data from fieldwork conducted in July 2006. The projection simulation was run at critical flows and temperatures to address seasonality, as the Clean Water Act requires. Reductions of existing point source and nonpoint source loads were required for the projection simulation to meet the dissolved oxygen standard, 5 milligrams per liter (mg/L). In general, the modeling in this study was consistent with guidance in the Louisiana TMDL technical procedures manual (LDEQ 2005). TMDLs for oxygen-demanding substances (CBOD, ammonia, and sediment oxygen demand [SOD]) were calculated using the projection simulation.

In TMDL development, allowable loads from all pollutant sources that cumulatively amount to no more than the TMDL must be established, thereby providing the basis for establishing water quality-based controls. WLAs were assigned to permitted point source discharges. The LAs include background loadings and human-induced nonpoint sources. An explicit MOS of 10 percent and an FG component of 10 percent were also included.

The dissolved oxygen TMDL establishes load limitations for oxygen-demanding substances and goals for reducing those pollutants. When oxygen-demanding substances are controlled and limited to ensure that the dissolved oxygen criterion is supported, nutrients are also controlled and limited. Implementing the dissolved oxygen TMDL through future wastewater discharge permits, if required, and implementing best management practices to control and reduce runoff of soil and oxygen-demanding pollutants from nonpoint sources in the watershed will also control and reduce the nutrient loading from those sources.

Table ES-2 presents a summary of the dissolved oxygen TMDLs for the subsegments addressed in this report. The numeric water quality criterion that applies to the impaired subsegments and used to calculate the total allowable dissolved oxygen pollutant loads is 5 mg/L.

**Table ES-2. Summary of dissolved oxygen TMDLs, WLAs, LAs, MOSs, and FGs**

| Subsegment | Oxygen demand (lb/d) | | | | |
|---|---|---|---|---|---|
| **120102** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.00 | 1,320.36 | 1,438.96 | 949.12 | 3,708.44 |
| MOS for WLA | 0.00 | 165.04 | 179.87 | 118.64 | 463.56 |
| FG for WLA | 0.00 | 165.04 | 179.87 | 118.64 | 463.56 |
| LA | 88.79 | 8.28 | 0.09 | 2.21 | 99.38 |
| MOS for LA | 11.10 | 1.04 | 0.01 | 0.28 | 12.42 |
| FG for LA | 11.10 | 1.04 | 0.01 | 0.28 | 12.42 |
| TMDL | 110.99 | 1,660.80 | 1,798.82 | 1,189.16 | 4,759.78 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120103** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 50.7 | 196.5 | 218.4 | 120.0 | 585.5 |
| MOS for WLA | 6.3 | 24.6 | 27.3 | 15.0 | 73.2 |
| FG for WLA | 6.3 | 24.6 | 27.3 | 15.0 | 73.2 |
| LA | 1,230.4 | 1,901.5 | 1,163.1 | 842.4 | 5,137.4 |
| MOS for LA | 153.8 | 237.7 | 145.4 | 105.3 | 642.2 |
| FG for LA | 153.8 | 237.7 | 145.4 | 105.3 | 642.2 |
| TMDL | 1,601.4 | 2,622.5 | 1,726.9 | 1,202.9 | 7,153.7 |

**Table ES-2. (continued)**

| Subsegment | Oxygen demand (lb/d) | | | | |
|---|---|---|---|---|---|
| **120105** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.00 | 15.66 | 22.61 | 11.30 | 49.57 |
| MOS for WLA | 0.00 | 1.96 | 2.83 | 1.41 | 6.20 |
| FG for WLA | 0.00 | 1.96 | 2.83 | 1.41 | 6.20 |
| LA | 69.82 | 11.70 | 0.19 | 5.24 | 86.95 |
| MOS for LA | 8.73 | 1.46 | 0.02 | 0.65 | 10.87 |
| FG for LA | 8.73 | 1.46 | 0.02 | 0.65 | 10.87 |
| TMDL | 87.28 | 34.20 | 28.49 | 20.68 | 170.65 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120106** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.0 | 398.6 | 250.1 | 287.7 | 936.4 |
| MOS for WLA | 0.0 | 49.8 | 31.3 | 36.0 | 117.1 |
| FG for WLA | 0.0 | 49.8 | 31.3 | 36.0 | 117.1 |
| LA | 591.0 | 1,216.9 | 0.0 | 812.9 | 2,620.8 |
| MOS for LA | 73.9 | 152.1 | 0.0 | 101.6 | 327.6 |
| FG for LA | 73.9 | 152.1 | 0.0 | 101.6 | 327.6 |
| TMDL | 738.7 | 2,019.4 | 312.6 | 1,375.7 | 4,446.5 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120107** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MOS for WLA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FG for WLA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LA | 4,107.39 | 16.39 | 0.30 | 55.19 | 4,179.27 |
| MOS for LA | 513.42 | 2.05 | 0.04 | 6.90 | 522.41 |
| FG for LA | 513.42 | 2.05 | 0.04 | 6.90 | 522.41 |
| TMDL | 5,134.24 | 20.48 | 0.37 | 68.99 | 5,224.09 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120109** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 86.3 | 239.9 | 302.8 | 198.5 | 827.5 |
| MOS for WLA | 10.8 | 30.0 | 37.8 | 24.8 | 103.4 |
| FG for WLA | 10.8 | 30.0 | 37.8 | 24.8 | 103.4 |
| LA | 8,219.9 | 3,398.0 | 413.9 | 4,696.6 | 16,728.5 |
| MOS for LA | 1,027.5 | 424.8 | 51.7 | 587.1 | 2,091.1 |
| FG for LA | 1,027.5 | 424.8 | 51.7 | 587.1 | 2,091.1 |
| TMDL | 10,382.8 | 4,547.4 | 895.9 | 6,118.9 | 21,945.0 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120110** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MOS for WLA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| FG for WLA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LA | 146.002 | 3.969 | 0.056 | 4.798 | 154.826 |
| MOS for LA | 18.250 | 0.496 | 0.007 | 0.600 | 19.353 |
| FG for LA | 18.250 | 0.496 | 0.007 | 0.600 | 19.353 |
| TMDL | 182.503 | 4.962 | 0.070 | 5.998 | 193.532 |

Table ES-3 presents a summary of the reduction percentages for LAs. Reduction percentages from baseline conditions for total oxygen demand ranged from 36 to 64 percent. There were two facilities with reductions in WLAs.

**Table ES-3. Summary of reduction percentages for LAs in the upper Terrebonne Basin**

| Subsegment | Percent reduction | | | | |
|---|---|---|---|---|---|
| | SOD | CBOD | Ammonia | Organic N | Total |
| 120102 | 52.04 | 71.86 | 75.00 | 72.56 | 55.43 |
| 120103 | 52.46 | 72.21 | 59.56 | 54.41 | 63.70 |
| 120105 | 41.22 | 59.33 | 0.00 | 58.08 | 45.74 |
| 120106 | 0.00 | 75.60 | 0.00 | 0.00 | 59.00 |
| 120107 | 36.23 | 0.00 | 0.00 | 34.46 | 36.12 |
| 120109 | 13.33 | 72.99 | 20.81 | 70.40 | 56.50 |
| 120110 | 35.71 | 33.79 | 0.00 | 33.85 | 35.60 |

Table ES-4 presents a summary of the nutrient TMDLs for the subsegments addressed in this report. The state's nutrient criteria are narrative and include the following language (LDEQ 2007):

> The naturally occurring range of nitrogen-phosphorous ratios shall be maintained. This range shall not apply to designated intermittent streams. To establish the appropriate range of ratios and compensate for natural seasonal fluctuations, the administrative authority will use site-specific studies to establish limits for nutrients. Nutrient concentrations that produce aquatic growth to the extent that it creates a public nuisance or interferes with designated water uses shall not be added to any surface waters.

**Table ES-4. Summary of TMDLs for nutrients in the upper Terrebonne Basin**

| Subsegment | ∑ WLA (lb/d) | ∑ LA (lb/d) | MOS | FG (10%) (lb/d) | Total allowable loading (lb/d) | Percent reduction |
|---|---|---|---|---|---|---|
| **Total phosphorus** | | | | | | |
| 120102 | 0.000 | 0.146 | Implicit | 0.016 | 0.162 | 0.0 |
| 120103 | 0.000 | 0.373 | Implicit | 0.041 | 0.414 | 0.0 |
| 120105 | 0.000 | 0.276 | Implicit | 0.031 | 0.307 | 0.0 |
| 120106 | 0.000 | 0.017 | Implicit | 0.002 | 0.019 | 0.0 |
| 120109 | 0.000 | 0.430 | Implicit | 0.048 | 0.478 | 0.0 |
| **Total nitrogen** | | | | | | |
| 120102 | 0.000 | 0.709 | Implicit | 0.079 | 0.788 | 0.0 |
| 120103 | 0.000 | 1.809 | Implicit | 0.201 | 2.010 | 0.0 |
| 120105 | 0.000 | 1.342 | Implicit | 0.149 | 1.491 | 0.0 |
| 120106 | 0.000 | 0.083 | Implicit | 0.009 | 0.092 | 0.0 |
| 120109 | 0.000 | 2.086 | Implicit | 0.232 | 2.317 | 0.0 |

Hurricane Katrina made landfall on Monday, August 29, 2005, as a Category 4 hurricane. The storm brought heavy winds and rain to southeast Louisiana, breaching several levees and flooding up to 80 percent of New Orleans and large areas of coastal Louisiana. Both Hurricanes Katrina and Rita have caused a significant amount of change in sedimentation and water quality in southern Louisiana. Many wastewater treatment facilities were temporarily or permanently damaged. Some wastewater treatment facilities will be rebuilt; others will be relocated.

The proposed TMDLs in this report were developed on the basis of pre- and post-hurricane water quality conditions. Some point sources in this TMDL have been updated with post-hurricane information, where available. Post-hurricane water quality conditions and other factors could delay the implementation of these proposed TMDLs, render some proposed TMDLs obsolete, or require modifications of the TMDLs. Although hurricane effects might be valid for some TMDLs, any deviation from the TMDLs should be justified using site-specific data or information.

# CONTENTS

1 INTRODUCTION ..... 1
2 BACKGROUND INFORMATION ..... 3
2.1 General Description ..... 3
2.2 Land Use ..... 5
2.3 Hydrologic Setting ..... 6
2.4 Designated Uses and Water Quality Criteria ..... 6
2.5 Identification of Sources ..... 7
2.5.1 Point Sources ..... 7
2.5.2 Nonpoint Sources ..... 8
3 CHARACTERIZATION OF EXISTING WATER QUALITY ..... 9
3.1 Water Quality Data ..... 9
3.2 Comparison of Observed Data to Criteria ..... 11
4 LOW DISSOLVED OXYGEN MODEL SETUP AND CALIBRATION ..... 12
4.1 Model Setup ..... 12
4.2 Calibration Period ..... 12
4.3 Model Options (Data Type 2) ..... 12
4.4 Program Constants (Data Type 3) ..... 12
4.5 Temperature Correction of Kinetics (Data Type 4) ..... 12
4.6 Hydraulics and Dispersion (Data Types 9 and 10) ..... 13
4.7 Initial Conditions (Data Type 11) ..... 13
4.8 Water Quality Kinetics (Data Types 12 and 13) ..... 14
4.9 Incremental Data (Data Types 16, 17, and 18) ..... 14
4.10 Nonpoint Source Loads (Data Type 19) ..... 15
4.11 Headwater Flow, Water Quality, and Junction Data (Data Types 20, 21, 22, and 23) ..... 15
4.12 Wasteload Flow and Water Quality Data (Data Types 24, 25, and 26) ..... 15
4.13 Calibration and Model Results ..... 16
5 LOW DISSOLVED OXYGEN MODEL PROJECTION ..... 18
5.1 Identification of Critical Conditions ..... 18
5.2 Temperature Inputs ..... 18
5.3 Headwater and Tributary (Wasteload) Inputs ..... 18
5.4 Point Source Inputs ..... 19
5.5 Baseline Model Results ..... 19
5.6 TMDL Reduction Model Results ..... 19
6 TMDL DEVELOPMENT ..... 20
6.1 Dissolved Oxygen TMDLs ..... 21
6.1.1 Seasonal Variation ..... 34
6.1.2 Sensitivity Analysis ..... 35
6.1.3 Ammonia Toxicity Analysis ..... 36
6.2 Nutrient TMDLs ..... 36
7 FUTURE ACTIVITIES ..... 39
7.1 TMDL Implementation Strategies ..... 39
7.2 Environmental Monitoring Activities ..... 40
8 PUBLIC PARTICIPATION ..... 41
REFERENCES ..... 42

# TABLES

Table ES-4. Summary of TMDLs for nutrients in the upper Terrebonne Basin ..... iv
Table 1-1. Subsegments and impairments addressed in this report ..... 1
Table 2-1. Drainage area and parish of each subsegment ..... 3
Table 2-2. Land uses percentages for each listed subsegment in the upper Terrebonne Basin ..... 5
Table 2-3. MS4 information for the Terrebonne Basin ..... 8
Table 3-1. LDEQ water quality monitoring stations and dissolved oxygen data summaries ..... 10
Table 3-2. Data types from July 2006 monitoring ..... 10
Table 3-3. Summary of dissolved oxygen data for the upper Terrebonne Basin ..... 11
Table 3-4. Summary of dissolved oxygen data from July 2006 monitoring event ..... 11
Table 4-1. Average channel widths and depths for each model segment ..... 13
Table 4-2. Water quality kinetics rates ..... 14
Table 4-3. Summary of point sources and tributaries used in LA-QUAL ..... 15
Table 4-4. Calibration (existing) oxygen demand ..... 17
Table 5-1. Baseline oxygen demand ..... 19
Table 6-1. Summary of dissolved oxygen TMDLs, WLAs, LAs, MOSs, and FGs ..... 22
Table 6-2. Summary of percent reductions for LAs in the upper Terrebonne Basin ..... 23
Table 6-3. WLAs for BOD for subsegment 120102 in the upper Terrebonne Basin ..... 23
Table 6-4. WLAs for ammonia for subsegment 120102 in the upper Terrebonne Basin ..... 24
Table 6-5. WLAs for organic nitrogen for subsegment 120102 in the upper Terrebonne Basin . 24
Table 6-6. WLAs for BOD for subsegment 120103 in the upper Terrebonne Basin ..... 25
Table 6-7. WLAs for ammonia for subsegment 120103 in the upper Terrebonne Basin ..... 26
Table 6-8. WLAs for organic nitrogen for subsegment 120103 in the upper Terrebonne Basin . 27
Table 6-9. WLAs for BOD for subsegment 120105 in the upper Terrebonne Basin ..... 28
Table 6-10. WLAs for ammonia for subsegment 120105 in the upper Terrebonne Basin ..... 29
Table 6-11. WLAs for organic nitrogen for subsegment 120105 in the upper Terrebonne Basin 29
Table 6-12. WLAs for BOD for subsegment 120106 in the upper Terrebonne Basin ..... 29
Table 6-13. WLAs for ammonia for subsegment 120106 in the upper Terrebonne Basin ..... 30
Table 6-14. WLAs for organic nitrogen for subsegment 120106 in the upper Terrebonne Basin 30
Table 6-15. WLAs for BOD for subsegment 120109 in the upper Terrebonne Basin ..... 30
Table 6-16. WLAs for ammonia for subsegment 120109 in the upper Terrebonne Basin ..... 32
Table 6-17. WLAs for organic nitrogen for subsegment 120109 in the upper Terrebonne Basin 33
Table 6-18. Summary of WLAs for MS4s in the upper Terrebonne Basin ..... 34
Table 6-19. Results of sensitivity analysis ..... 35
Table 6-20. Predicted ammonia concentration and calculated critical criteria ..... 36
Table 6-21. Nutrient concentrations in non-impaired subsegments ..... 37
Table 6-22. Nutrient concentrations in the impaired subsegments in the upper Terrebonne Basin ..... 37
Table 6-23. Average water yields for climate divisions in the Terrebonne Basin ..... 38
Table 6-24. Summary of TMDLs for nutrients in the upper Terrebonne Basin ..... 38

## FIGURES

Figure 2-1. Locations of upper Terrebonne Basin subsegments. ..... 4
Figure 2-2. Land use in the upper Terrebonne Basin subsegments. ..... 6
Figure 3-1. Locations of monitoring stations in the upper Terrebonne Basin. ..... 9
Figure 4.1. Calibration plot for dissolved oxygen in subsegment 120109. ..... 17

## APPENDICES

Appendix A: NPDES Permitted Facilities
Appendix B: Monitoring Data Tables and Plots
Appendix C: Field Survey Notes (CD-ROM—Available upon request)
Appendix D: Model Vector Diagrams
Appendix E: Model Output for Calibration
Appendix F: Plots of Calibrated and Observed Water Quality
Appendix G: Model Output for Baseline Conditions
Appendix H: Model Output for TMDL
Appendix I: Plots of Water Quality for Baseline Conditions
Appendix J: Plots of Predicted Water Quality for TMDL
Appendix K: Sensitivity Analysis Plots
Appendix L: Ammonia Toxicity Calculations

# 1 INTRODUCTION

Section 303(d) of the Clean Water Act and the U.S. Environmental Protection Agency's (EPA's) Water Quality Planning and Management Regulations (at Title 40 of the *Code of Federal Regulations* [CFR] Part 130) require states to develop Total Maximum Daily Loads (TMDLs) for waterbodies that are not supporting their designated uses, even if pollutant sources have implemented technology-based controls. A TMDL establishes the maximum allowable load (in mass per unit time) of a pollutant that a waterbody is able to assimilate while still supporting its designated uses. The maximum allowable load is determined on the basis of the relationship between pollutant sources and in-stream water quality. A TMDL provides the scientific basis for a state to establish water quality-based controls to reduce pollution from both point and nonpoint sources to restore and maintain the quality of the state's water resources (USEPA 1991).

Monitoring data collected by the Louisiana Department of Environmental Quality (LDEQ) indicate that observed dissolved oxygen levels sometimes do not meet the state's water quality criteria for seven subsegments in the upper Terrebonne Basin. The impaired designated uses for the subsegments are primary and secondary contact recreation, and fish and wildlife propagation. The subsegments are either fully supporting (F) or not supporting (N) the designated uses. Table 1-1 presents information from Louisiana's 2004 section 303(d) list for the seven subsegments. All the subsegments have the suspected cause of *unknown sources*, which indicates that various sources might be present but not enough data are available to identify them.

**Table 1-1. Subsegments and impairments addressed in this report**

| Subsegment | Subsegment name | Subsegment description | Designated use | | |
|---|---|---|---|---|---|
| | | | PCR | SCR | FWP |
| 120102 | Bayou Poydras | Headwaters to Bayou Choctaw | N | F | N |
| 120103 | Bayou Choctaw | Bayou Poydras confluence to Bayou Grosse Tete | F | F | N |
| 120105 | Chamberlin Canal | Chamberlin to Bayou Choctaw | N | N | N |
| 120106 | Bayou Plaquemine | Plaquemine Lock to ICWW | F | F | N |
| 120107 | Upper Grand River and Lower Flat River | Headwaters to ICWW | F | F | F |
| 120109 | Intracoastal Waterway | ICWW Morgan City to Port Allen Route: Port Allen Locks to Bayou Sorrel Locks | N | F | N |
| 120110 | Bayou Cholpe | Headwaters to Bayou Choctaw | F | F | N |

Oxygen concentrations in the water column fluctuate under natural conditions, but severe depletion usually results from human activities that introduce large quantities of biodegradable organic materials into surface waters. In polluted waters, bacterial degradation of organic materials can result in a net decline in oxygen concentrations in the water. Oxygen depletion can also result from chemical reactions that place a chemical oxygen demand on receiving waters. Other factors, such as temperature and salinity, influence the amount of oxygen dissolved in water. For example, prolonged hot weather decreases oxygen concentrations and can cause fish kills even in clean waters because warm water cannot hold as much oxygen as cold water (Scorecard 2005).

Other factors that affect dissolved oxygen concentrations include the following (Murphy 2005):

- Volume and velocity of water flowing in the waterbody
- Climate and season
- The type and number of organisms in the waterbody
- Altitude
- Dissolved or suspended solids
- Amount of nutrients in the water
- Organic waste
- Riparian vegetation
- Ground water inflow

Low dissolved oxygen concentrations in streams can be linked to both natural conditions and human activities. In Louisiana natural stream conditions like low flow, high temperature, and high organic content often result in dissolved oxygen levels already below current water quality criteria, making it difficult to develop standards for best management practices, or BMPs (Mason et al. 2007). Additional data for these 303(d)-listed areas are needed to determine whether the low dissolved oxygen occurs naturally or is related to human activity (i.e., is anthropogenic).

# 2 BACKGROUND INFORMATION

## 2.1 General Description

The study region consisted of seven subsegments in the upper portion of the Terrebonne Basin. They include Bayou Cholpe – Headwaters to Bayou Choctaw (subsegment 120110), Bayou Poydras (subsegment 120102), Chamberlin Canal (subsegment 120105), Bayou Choctaw (subsegment 120103), ICWW – Morgan City to Port Allen Route (subsegment 120109), Bayou Plaquemine – Plaquemine Lock to ICWW (subsegment 120106), and Upper Grand River and Lower Flat River – Headwaters to ICWW (subsegment 120107). In Louisiana, the upper Terrebonne Basin includes portions of Point Coupe, Iberville, and West Baton Rouge Parishes. Table 2-1 lists the parish and approximate drainage area of each subsegment and Figure 2-1 shows the locations of the subsegments. The watershed's U.S. Geological Survey (USGS) hydrologic unit code is 08070300.

**Table 2-1. Drainage area and parish of each subsegment**

| Subsegment name | Subsegment | Parish | Area ($mi^2$) | Area ($km^2$) |
|---|---|---|---|---|
| Bayou Poydras | 120102 | Point Coupee, West Baton Rouge | 22 | 56 |
| Bayou Choctaw | 120103 | Iberville, West Baton Rouge | 55 | 144 |
| Chamberlin Canal | 120105 | West Baton Rouge | 41 | 107 |
| Bayou Plaquemine | 120106 | Iberville | 2 | 6 |
| Upper Grand River and Lower Flat River | 120107 | Iberville | 88 | 229 |
| Intracoastal Waterway | 120109 | Iberville, West Baton Rouge | 64 | 166 |
| Bayou Cholpe | 120110 | Iberville, Point Coupee | 25 | 63 |

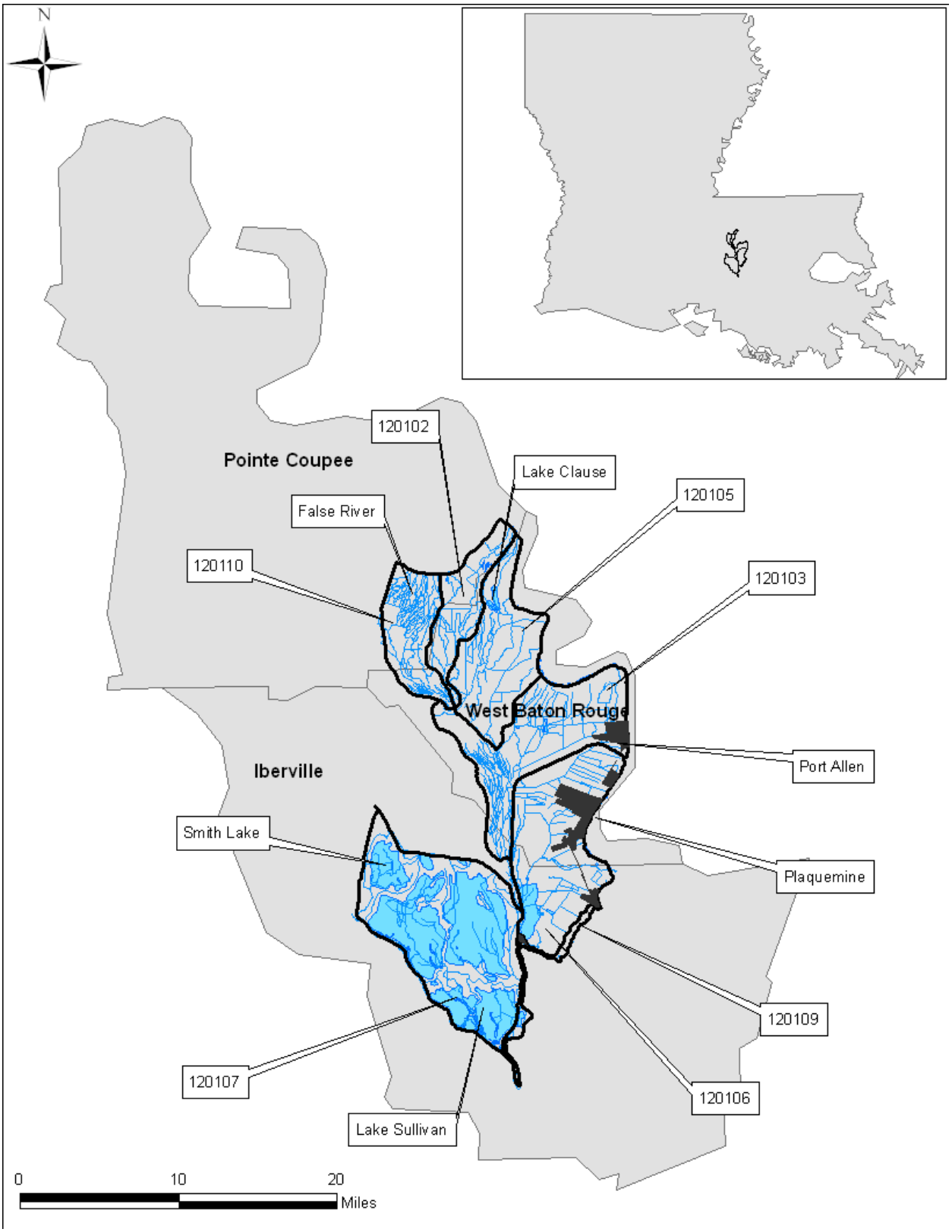


**Figure 2-1. Locations of upper Terrebonne Basin subsegments.**

## 2.2 Land Use

Land use data were obtained from the 2001 USGS National Land Cover Dataset (NLCD; Table 2-2 and Figure 2-2). The predominant land use in the impaired subsegments is wetland. The percentage of wetlands in the watersheds ranges from 23.5 percent to 95.4 percent followed by cultivated crops, pasture/hay, and developed. There is very little barren, forest, or grassland/shrub land in any of the seven subsegments. Subsegments 120103, 120109, 120106 have larger areas of developed land. Subsegment 120107 is almost entirely wetland and open water. It has only just less than 1 percent developed area, which consists of highways.

**Table 2-2. Land uses percentages for each listed subsegment in the upper Terrebonne Basin**

| Land use | Percent of total area | | | | | | |
|---|---|---|---|---|---|---|---|
| | Bayou Cholpe (120110) | Bayou Poydras (120102) | Chamberlin Canal (120105) | Bayou Choctaw (120103) | Intracoastal Waterway (120109) | Bayou Plaquemine (120106) | Upper Grand River and Lower Flat River (120107) |
| Water | 0.58 | 0.15 | 0.04 | 0.69 | 2.66 | 5.56 | 2.44 |
| Developed | 2.04 | 5.90 | 3.29 | 11.33 | 13.13 | 22.35 | 0.72 |
| Barren | 0.01 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 |
| Forest | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| Grassland/shrub | 0.31 | 0.53 | 0.69 | 0.97 | 0.54 | 0.24 | 0.45 |
| Pasture/hay | 8.01 | 22.57 | 10.57 | 7.18 | 4.37 | 19.63 | 0.97 |
| Cultivated crops | 35.27 | 47.33 | 56.05 | 29.56 | 32.58 | 23.65 | 0.00 |
| Wetlands | 53.76 | 23.51 | 29.35 | 50.24 | 46.68 | 28.56 | 95.42 |
| TOTAL | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

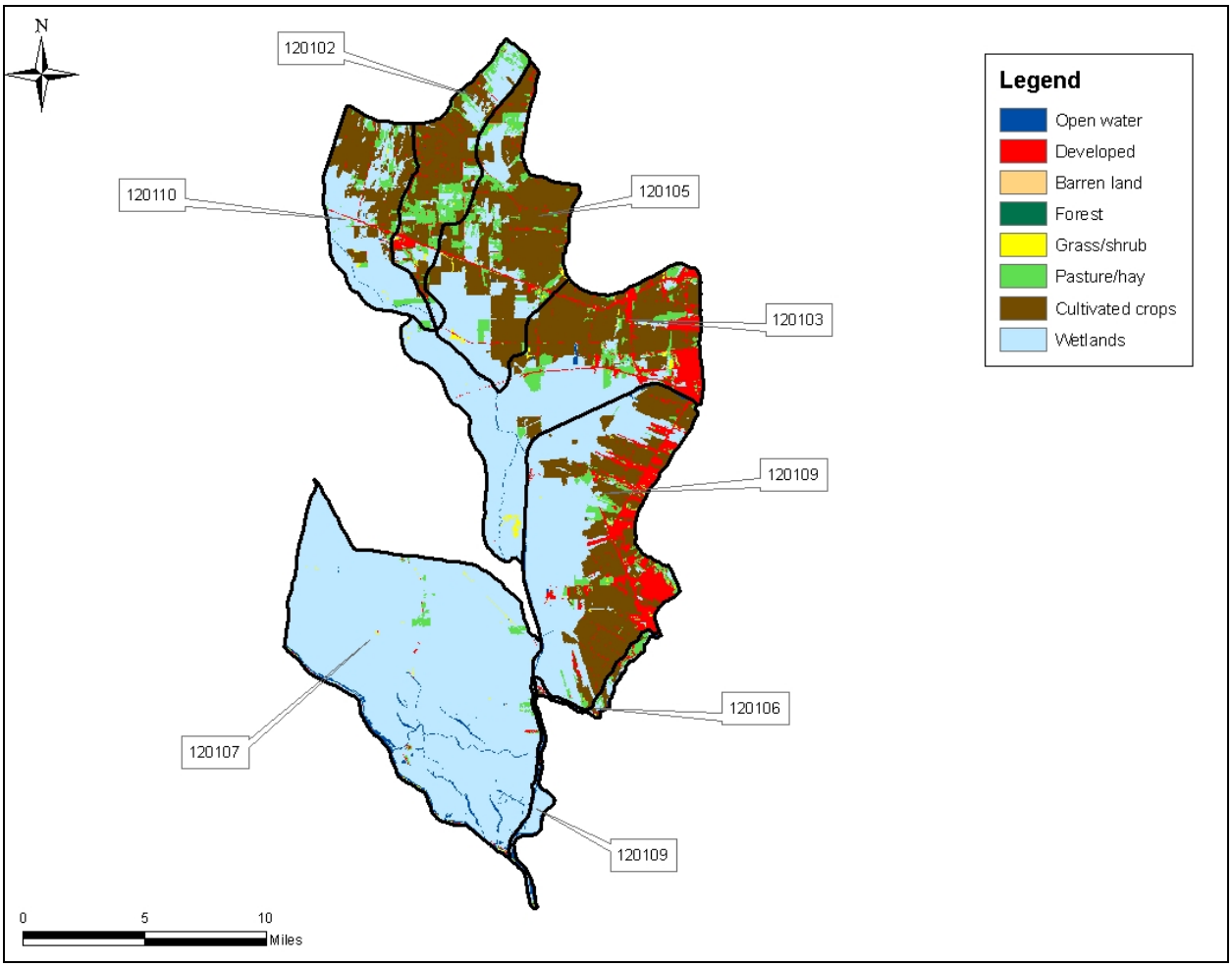


**Figure 2-2. Land use in the upper Terrebonne Basin subsegments.**

## 2.3 Hydrologic Setting

The USGS online hydrology database (NWISWeb) does not contain any stations with flow data for the listed subsegments that are impaired for dissolved oxygen and nutrients. Because reversing flows occur at times throughout the Terrebonne Basin, there are very few USGS flow gages in the Terrebonne Basin. The only flow gages in the Terrebonne Basin that have a long period of flows are on streams that are not similar to any of the streams in the subsegments.

## 2.4 Designated Uses and Water Quality Criteria

Louisiana's 2004 section 303(d) list indicates that the seven listed subsegments—all assigned a use of primary or secondary contact recreation, or fish and wildlife propagation—do not meet applicable water quality standards because of unknown sources. Primary contact recreation includes any recreational or other water contact involving full-body exposure to water and a considerable probability of ingesting water. Examples of this use are swimming and water skiing. Secondary contact recreation involves activities like fishing, wading, or boating, where water contact is accidental or incidental and there is a minimal chance of ingesting appreciable amounts of water. Fish and wildlife propagation includes the use of water for aquatic habitat,

food, resting, reproduction, cover, or travel corridors for any indigenous wildlife and aquatic life species associated with the aquatic environment.

The assessment methodology presented in LDEQ's 305(b) report (LDEQ 2004) specifies that primary contact recreation, secondary contact recreation, and fish and wildlife propagation uses are to be fully supported. The state minimum dissolved oxygen criterion for the subsegments in this TMDL is 5 milligrams per liter (mg/L) year-round.

Louisiana does not have numeric water quality standards for nutrients, but its narrative standard for nutrients states the following:

- The naturally occurring range of nitrogen-phosphorus ratios shall be maintained (except for intermittent streams), and
- Nutrient concentrations that produce aquatic growth to the extent that it creates a public nuisance or interferes with designated water uses shall not be added to any surface waters.

The Louisiana water quality standards also include an antidegradation policy (*Louisiana Administrative Code* [LAC] Title 33, Part IX, Section 1109.A), which states that state waters exhibiting high water quality should be maintained at that high level of water quality. If that is not possible, water quality of a level that supports the designated uses of the waterbody should be maintained. The designated uses of a waterbody may be changed to allow a lower level of water quality only through a use attainability study.

## 2.5 Identification of Sources

### *2.5.1 Point Sources*

LDEQ stores permit information using internal databases. LDEQ generated a list of point source discharges in the study area by using the TEMPO and PTS databases. Information on point source discharges to the listed subsegments was obtained from the Electronic Document Management System (EDMS) database at LDEQ. Data were pulled from EDMS and analyzed for the TMDLs. Each facility was evaluated on the basis of its discharges and permit limits to determine whether the facility would be used in developing the TMDLs. The evaluation yielded 11 permitted point source discharges in subsegment 120102, 39 in subsegment 120103, 5 in subsegment 120105, 7 in subsegment 120106, and 46 permitted point source discharges in subsegment 120109. Because of the large number of permits, they are listed in Appendix A.

Phase I and II stormwater systems are additional possible point source contributors in the Terrebonne Basin. Stormwater discharges are generated by runoff from urban land and impervious areas such as paved streets, parking lots, and rooftops during precipitation events. These discharges often contain high concentrations of pollutants that can eventually enter nearby waterbodies. Most stormwater discharges are considered point sources and require coverage by a National Pollutant Discharge Elimination System (NPDES) permit.

Under the NPDES stormwater program, operators of large, medium, and regulated small municipal separate storm sewer systems (MS4s) must obtain authorization to discharge pollutants. The Stormwater Phase I Rule (55 *Federal Register* 47990, November 16, 1990)

requires all operators of medium and large MS4s to obtain an NPDES permit and develop a stormwater management program. Medium and large MS4s are defined by the size of the population within the MS4 area, not including the population served by combined sewer systems. A medium MS4 has a population between 100,000 and 249,999; a large MS4 has a population of 250,000 or more.

Phase II requires a select subset of small MS4s to obtain an NPDES stormwater permit. A small MS4 is any MS4 not already covered by the Phase I program as a medium or large MS4. The Phase II rule automatically covers all small MS4s in urbanized areas (UAs), as defined by the Bureau of the Census, and also includes small MS4s outside a UA that are so designated by NPDES permitting authorities, case by case (USEPA 2000).

In Louisiana, there are two ways that an MS4 can be identified as a regulated, small MS4. This category includes all cities within UAs and any small MS4 area outside UAs with a population of at least 10,000 and a population density of at least 1,000 people per square mile (LDEQ 2002). In the Terrebonne Basin, the city of Port Allen is a regulated, small MS4. Table 2-3 presents MS4 information by subsegment for MS4 discharges to impaired subsegments in the Terrebonne Basin.

**Table 2-3. MS4 information for the Terrebonne Basin**

| NPDES permit number | Authority | Discharge subsegment | Subsegment name | Urban area (acres) |
|---|---|---|---|---|
| LAR0410102 | Port Allen | 120103 | Bayou Choctaw | 1,405 |
| LAR0410102 | Port Allen | 120109 | Intracoastal Waterway | 426 |

### *2.5.2 Nonpoint Sources*

Louisiana's section 303(d) list does not identify the suspected cause of the dissolved oxygen impairment in the subsegments of the upper Terrebonne Basin. The source is listed as *unknown*.

# 3 CHARACTERIZATION OF EXISTING WATER QUALITY

## 3.1 Water Quality Data

Water quality data were obtained from LDEQ's routine ambient water quality monitoring program (Figure 3-1). Appendix B includes summaries of the data for the 303(d)-listed constituents, along with additional constituents used in the TMDL development process. Dissolved oxygen data were available for each of the four listed subsegments (see Table 3-1).

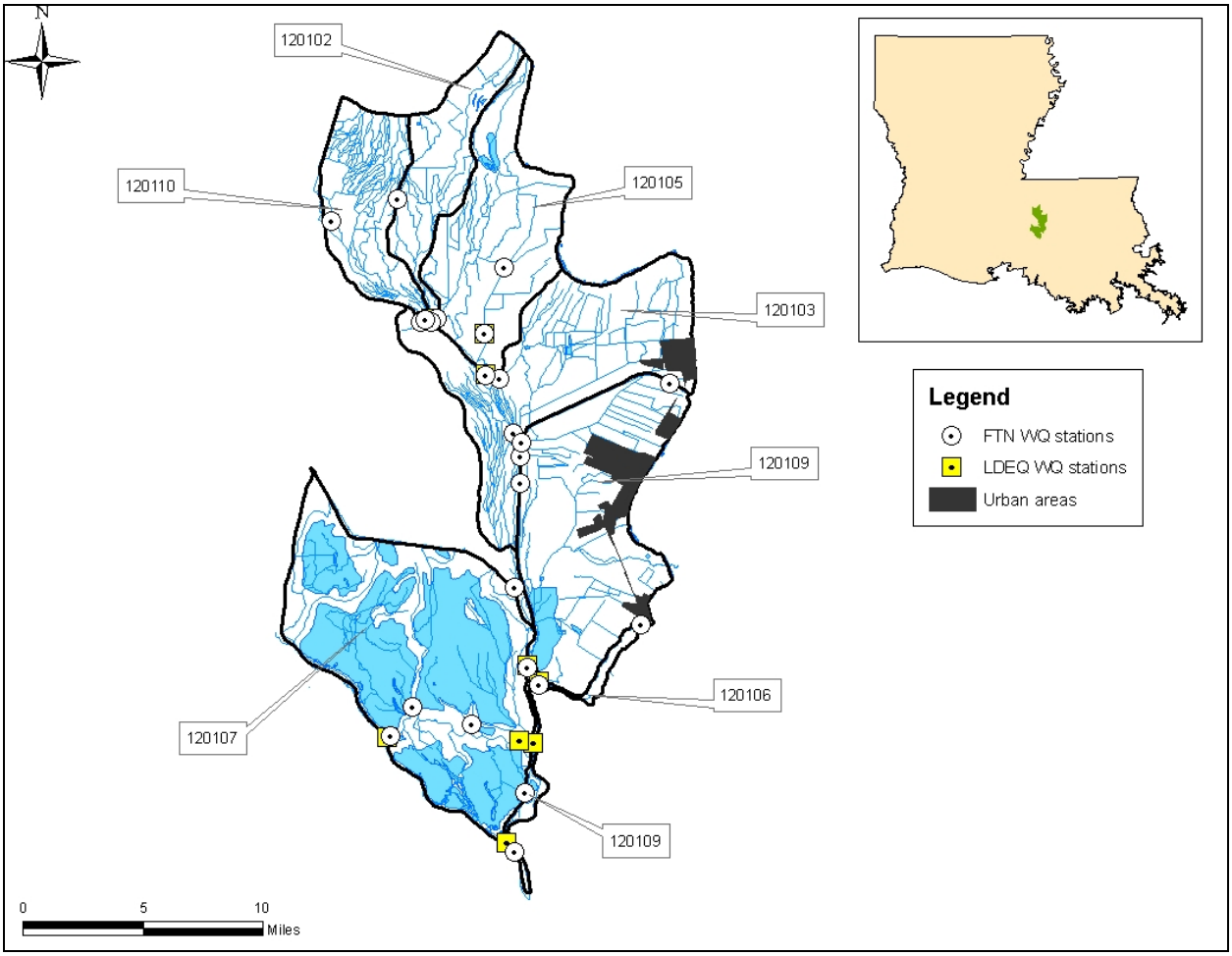


**Figure 3-1. Locations of monitoring stations in the upper Terrebonne Basin.**

A field survey of the four model subsegments was conducted in the Terrebonne Basin during July 2006. The hydrologic conditions during the field survey were typical for the Terrebonne Basin during summer (high temperatures and generally low flows). A list of the field survey sites and the types of data collected at each site is presented in Table 3-2. The water quality samples were analyzed for 20-day carbonaceous biochemical oxygen demand (CBOD) time series, total Kjeldahl nitrogen (TKN), ammonia nitrogen ($NH_3$-N), nitrate+nitrite nitrogen, total phosphorus, chlorophyll *a*, total organic carbon (TOC), and total suspended solids (TSS). The in situ measurements and water quality sampling results are summarized in Appendix B. Appendix B also contains summaries of the depth, widths, and flows measured with the acoustic Doppler

current profiler (ADCP) instrument. Plots of the continuous monitoring data are presented in Appendix B. Field notes from the July 2006 field survey are included in Appendix C.

**Table 3-1. LDEQ water quality monitoring stations and dissolved oxygen data summaries**

| Subsegment | Station | Station name | Period of record | No. of obs. | DO min. (mg/L) | DO max. (mg/L) | DO ave. (mg/L) |
|---|---|---|---|---|---|---|---|
| 120103 | 336 | Bayou Poydras | 1/15/91–3/9/04 | 91 | 0.64 | 5.63 | 24.42 |
| 120102 | 969 | Bayou Choctaw west of Port Allen, LA | 2/1/00–4/13/04 | 15 | 2.69 | 6.40 | 9.15 |
| 120105 | 971 | Chamberlin Canal | 2/1/00–4/13/04 | 15 | 2.48 | 5.96 | 8.78 |
| 120106 | 972 | Bayou Plaquemine | 2/1/00–4/13/04 | 15 | 2.90 | 6.30 | 9.53 |
| 120107 | 973 | Upper Grand River, LA | 2/1/00–4/13/04 | 15 | 3.43 | 6.33 | 10.00 |
| 120109 | 80 | Lower Grand River at Bayou Sorrel, LA | 1/1/67–5/11/98 | 350 | 0.27 | 12.20 | 5.88 |
| 120109 | 417 | Bayou Plaquemine, LA | 1/1/63–12/1/66 | 47 | 1.90 | 12.00 | 6.87 |
| 120109 | 975 | Intracoastal Waterway near Indian Village | 2/1/00–4/13/04 | 15 | 5.30 | 7.35 | 10.23 |
| 120110 | 976 | Bayou Chalpin | 2/1/00–4/13/04 | 15 | 3.22 | 6.26 | 9.23 |

Note: DO = dissolved oxygen

**Table 3-2. Data types from July 2006 monitoring**

| Subsegment | Site ID | Site name | Data types collected |
|---|---|---|---|
| 120102 | 120102-A | Bayou Poydras north of Erwinville, LA | In situ, sample, flow, cross section |
| 120102 | 969 | Bayou Poydras | In situ, sample, flow, cross section, contin. |
| 120103 | 120103-A | Tributary to Bayou Choctaw | In situ, sample, flow |
| 120103 | 120103-B | Bayou Tommy at LA Hwy 76 | In situ, sample, flow |
| 120103 | 120103-C | Bayou Choctaw NW of Intracoastal Waterway | In situ, flow, cross section |
| 120103 | 336 | Bayou Choctaw west of Port Allen, LA | In situ, sample, flow, cross section |
| 120105 | 120105-A | Chamberlin Canal at US Hwy 190 | In situ, sample, flow, cross section |
| 120105 | 120105-B | Stumpy Bayou at LA Hwy 76 | In situ, sample, flow |
| 120105 | 971 | Chamberlin Canal | In situ, sample, flow, cross section |
| 120106 | 120106-A | Bayou Plaquemine at Plaquemine, LA | In situ, sample, flow, cross section |
| 120106 | 972 | Bayou Plaquemine | In situ, sample, cross section |
| 120107 | 120107-A | Superior Canal NE of Grand River, LA | In situ, sample, flow |
| 120107 | 120107-B | Upper Grand River near levee | In situ, sample, flow, cross section |
| 120107 | 120107-C | Lower Flat River E of Grand River, LA | In situ, sample, flow, cross section |
| 120107 | 973 | Upper Grand River, LA | In situ, sample, flow |
| 120109 | 120109-A | Intracoastal Waterway at Port Allen, LA | In situ, sample, flow |
| 120109 | 120109-B | Intracoastal Waterway W of Brusly, LA | In situ, sample, cross section |
| 120109 | 120109-C | Intracoastal Waterway upstream of Bayou Choctaw | In situ, cross section |
| 120109 | 120109-D | Intracoastal Waterway W of Brusly, LA | In situ, cross section |
| 120109 | 120109-E | Bayou Grosse Tete NW of Intracoastal Waterway | In situ, sample, flow |
| 120109 | 975 | Intracoastal Waterway near Indian Village | In situ, flow, cross section, contin. |
| 120109 | 120109-F | Intracoastal Waterway south of The Parks, LA | In situ, sample, flow, cross section |
| 120109 | 80 | Lower Grand River at Bayou Sorrel, LA | In situ, sample |
| 120110 | 120110-A | Bayou Cholpe west of Erwinville | In situ, sample, flow, cross section |
| 120110 | 976 | Bayou Chalpin | In situ, sample, flow, cross section |

## 3.2 Comparison of Observed Data to Criteria

Water quality monitoring data were obtained from LDEQ and during the July 2006 sampling event. Table 3-3 provides a summary of the LDEQ dissolved oxygen data available for stations in the model subsegments. Each station has between 15 and 350 data points. Eight of the nine stations had dissolved oxygen observations below the water quality criterion of 5 mg/L.

**Table 3-3. Summary of dissolved oxygen data for the upper Terrebonne Basin**

| LDEQ station | Subsegment | Period of record | No. of samples | DO min. (mg/L) | DO ave. (mg/L) | DO max. (mg/L) | Percent < 5 mg/L |
|---|---|---|---|---|---|---|---|
| 336 | 120103 | 1/15/91–3/9/04 | 91 | 0.64 | 5.63 | 24.42 | 40.7 |
| 969 | 120102 | 2/1/00–4/13/04 | 15 | 2.69 | 6.40 | 9.15 | 26.7 |
| 971 | 120105 | 2/1/00–4/13/04 | 15 | 2.48 | 5.96 | 8.78 | 33.3 |
| 972 | 120106 | 2/1/00–4/13/04 | 15 | 2.90 | 6.30 | 9.53 | 26.7 |
| 973 | 120107 | 2/1/00–4/13/04 | 15 | 3.43 | 6.33 | 10.00 | 33.3 |
| 80 | 120109 | 1/1/67–5/11/98 | 350 | 0.27 | 12.20 | 5.88 | 34.0 |
| 417 | 120109 | 1/1/63–12/1/66 | 47 | 1.90 | 12.00 | 6.87 | 13.0 |
| 975 | 120109 | 2/1/00–4/13/04 | 15 | 5.30 | 7.35 | 10.23 | 0.0 |
| 976 | 120110 | 2/1/00–4/13/04 | 15 | 3.22 | 6.26 | 9.23 | 26.7 |

Table 3-4 provides a summary of the July 2006 dissolved oxygen data for stations in the model subsegments. Each station has between 2 and 18 data points. All four stations had dissolved oxygen observations below the water quality criterion of 5 mg/L, except for subsegment 120406.

**Table 3-4. Summary of dissolved oxygen data from July 2006 monitoring event**

| Subsegment | # of locations | Range of sample depths | # of samples | DO min. (mg/L) | DO max. (mg/L) | DO ave. (mg/L) | Percent samples < 5 mg/L |
|---|---|---|---|---|---|---|---|
| 120102 | 2 | 1–1.2 | 2 | 0.3 | 3.6 | 2.0 | 100 |
| 120103 | 4 | 0.5–12 | 7 | 1.8 | 13.0 | 4.9 | 71 |
| 120105 | 3 | 0.3–2.5 | 3 | 2.0 | 3.8 | 2.9 | 100 |
| 120106 | 2 | 2.5–9 | 5 | 2.0 | 13.0 | 7.8 | 40 |
| 120107 | 4 | 2.5–5 | 5 | 3.1 | 5.5 | 3.9 | 80 |
| 120109 | 8 | 1.5–19 | 33 | 1.5 | 6.2 | 4.7 | 52 |
| 120110 | 2 | 0.9–3 | 2 | 4.0 | 4.5 | 4.2 | 100 |

# 4 LOW DISSOLVED OXYGEN MODEL SETUP AND CALIBRATION

## 4.1 Model Setup

LA-QUAL (Version 8.11) was chosen to simulate dissolved oxygen in the TMDL subsegments. LA-QUAL is a steady-state model that LDEQ developed based on the QUAL-TX (Version 3.4) model. Several modifications were made to the QUAL-TX model, including the addition of new aeration equations that better represent conditions in Louisiana.

LA-QUAL evaluates the relationships between pollutant sources and water quality. Model configuration involved setting up the model segments and setting initial conditions, boundary conditions, and hydraulic and kinetic parameters. This section describes the configuration and key components of the model.

Only the main stems of the systems were explicitly simulated and thus segmented for modeling purposes. Segmentation refers to separating a waterbody into smaller computational units. Segmentation occurred around major hydrological features, such as tributaries. Tributaries were represented through boundary condition designation. Appendix D contains diagrams of the model segmentations and stream kilometers.

## 4.2 Calibration Period

The calibration period was selected to coincide with the intensive field monitoring that had occurred in July 2006. The data used for calibration are the averages of the samples taken during the measurement period from July 10 through July 13, 2006. These dates were selected for calibration because they were the only dates for which data were available. This period is considered the critical period because high temperatures decrease dissolved oxygen saturation values and increase rates for oxygen-demanding processes, such as biochemical oxygen demand (BOD) decay, nitrification, and sediment oxygen demand (SOD). In addition, lower flow rates do not cause strong reaeration, so the exchange of oxygen between air and water is low.

## 4.3 Model Options (Data Type 2)

Data type 2 is used to identify the constituents being modeled to achieve calibration—for this TMDL, dissolved oxygen, BOD, and a nitrogen series (ammonia nitrogen, and nitrate+nitrite).

## 4.4 Program Constants (Data Type 3)

LA-QUAL is programmed with certain default program parameters. Data type 3 is used to override the default parameters and is optional; that is, values need to be entered only if values other than the default values are desired. Default values were used for all program parameters except for the hydraulic calculation method. This parameter was changed from method 1 to method 2. For descriptions of the parameters and their default values, see the LA-QUAL user manual (Wiland Consulting, Inc. 2005).

## 4.5 Temperature Correction of Kinetics (Data Type 4)

Data type 4 contains factors used for temperature correction in rate equations. The temperature correction factors used in the model were consistent with the *Standard Operating*

*Procedure for Louisiana TMDL Technical Procedures* (LTP) when these factors were available (LDEQ 2005). The correction factors were as follows:

- Correction for BOD decay: 1.047 (LTP and model default)
- Correction for SOD: 1.065 (LTP and model default)
- Correction for ammonia N decay: 1.083 (model default)
- Correction for organic N decay: 1.020 (model default)
- Correction for reaeration: 1.024 (LTP and model default)

### 4.6 Hydraulics and Dispersion (Data Types 9 and 10)

These data types describe the hydraulic and dispersion characteristics of the model reaches. The stream hydraulics were specified in the input file for the model using the following power functions:

$$width = a \times Q^b + c$$
$$depth = d \times Q^e + f$$

where:

| | | | |
|---|---|---|---|
| $a$ = | width coefficient | = | 0.0 |
| $b$ = | width exponent | = | 0.0 |
| $c$ = | width constant | = | average width of segment |
| $d$ = | depth coefficient | = | 0.0 |
| $e$ = | depth exponent | = | 0.0 |
| $f$ = | depth constant | = | average depth of segment |

The average width and depth for each segment were based on observed measurements in July 2006; they are shown in Table 4-1. Slight adjustments in some reaches to better simulate observed hydrology and water quality.

**Table 4-1. Average channel widths and depths for each model segment**

| Model reach | Width (m) | Depth (m) |
|---|---|---|
| 1 | 1 | 0.25 |
| 2 | 10 | 1 |
| 3 | 4 | 0.3 |
| 4 | 8 | 0.6 |
| 5 | 34 | 2.4 |
| 6 | 2 | 0.1 |
| 7 | 5 | 0.3 |
| 8 | 47 | 2.8 |
| 9 | 76 | 3 |
| 10 | 76 | 3 |
| 11 | 30 | 1.1 |
| 12 | 80 | 3.2 |
| 13 | 88 | 1.1 |
| 14 | 64 | 0.8 |
| 15 | 62 | 1.3 |
| 16 | 70 | 2.5 |

### 4.7 Initial Conditions (Data Type 11)

Initial conditions were set for temperature, dissolved oxygen, nitrate+nitrite, and chlorophyll *a* using observed water quality data, while ammonia data were set to a constant. Because LA-

QUAL is a steady-state model, the initial conditions affect only the number of iterations needed to reach steady-state conditions. Setting initial conditions on the basis of observed data reduces the amount of iterations the model must perform to reach steady-state.

Salinity, nitrate+nitrite, phosphorus, phytoplankton, and macrophytes were the parameters not simulated in the model. Their initial conditions were set to zero so that the model would not assume a fixed concentration and include their effects.

### 4.8 Water Quality Kinetics (Data Types 12 and 13)

Several kinetic rates, including reaeration, SOD, CBOD decay, nitrification, and mineralization (organic nitrogen decay) rates, were used in the model. Data types 12 and 13 focus on different rates used by the model. Data type 12 is needed only if BOD or dissolved oxygen is being simulated, and data type 13 is needed only if nitrogen or phosphorus is being simulated. For this TMDL, both data types were included.

The model calculates the reaeration rate by using one of a standard set of equations. For this TMDL, the O'Conner-Dobbins equation was used. This equation is applicable to moderately deep to deep channels (1 ft to 30 ft with flow between 0.5 ft/s and 12.2 ft/d). The equation is

$$K_2 = \frac{3.932 \times V^{0.969}}{D^{1.5}}$$

where:

$V$ = stream velocity (meters per second)
$D$ = stream depth (meters)

The input files that list these values are provided in Appendix E. Table 4-2 summarizes these rates. The CBOD decay rate varied per subsegment and was based on the measured $CBOD_3$, $CBOD_5$, $CBOD_{12}$, $CBOD_{20}$, and $CBOD_{25}$ data. Slight adjustments were made in some reaches to better simulate observed water quality. The SOD was calibrated in the model and varied per subsegment reach. SOD was calibrated after the CBOD levels were finalized. The SOD rates changed iteratively until modeled dissolved oxygen concentrations agreed well with measured water column dissolved oxygen concentrations.

**Table 4-2. Water quality kinetics rates**

| Program constant | Value range |
|---|---|
| Background SOD ($g/m^2/d$) | 0.5–3.0 |
| BOD #1 decay rate (aerobic) (1/d) | 0.1–0.3 |
| Ammonia decay rate (1/d) | 0.01–0.02 |
| Ammonia nitrogen oxidation rate (1/d) | 0.2 |

### 4.9 Incremental Data (Data Types 16, 17, and 18)

These data types include information on inflows and outflows from the model reaches. For this TMDL, incremental information for flow, temperature, dissolved oxygen, BOD, organic nitrogen, ammonia, and nitrate+nitrite was included. Appendix E contains the input files with these values. Incremental flow was determined from flow measurements obtained during the July 2006 monitoring.

### 4.10 Nonpoint Source Loads (Data Type 19)

This data type accounts for nonpoint source loads not associated with incremental and tributary flows. The nonpoint source loads that are specified in the model can be most easily understood as resuspended load from the bottom sediments and are modeled as SOD, CBOD loads, and organic nitrogen loads. The SOD (from data type 12) and the mass loads of organic nitrogen and CBOD (data type 19) were all treated as calibration parameters; their values were adjusted until the model output was similar to the calibration target values.

Typically, these three calibration parameters were adjusted in a specific order based on the interactions between state variables in the model. First, the organic nitrogen loads were adjusted until the predicted organic nitrogen concentrations were similar to the observed concentrations. Organic nitrogen was calibrated first because none of the other state variables will affect the organic nitrogen concentrations. Next, the CBOD loads were adjusted until the predicted CBOD concentrations were similar to the observed concentrations. Finally, the SOD rates were adjusted until the predicted dissolved oxygen concentrations were similar to the observed concentrations. The SOD rate was not adjusted below 0.5 grams per square meter per day ($g/m^2/day$). The dissolved oxygen was calibrated last because all the other state variables affect dissolved oxygen.

### 4.11 Headwater Flow, Water Quality, and Junction Data (Data Types 20, 21, 22, and 23)

These data types account for flow and water quality from upstream of the modeled subsegment. Headwater flow and water quality data were derived from monitoring data. In general, the flow measured at the most upstream station was taken as the headwater flow. Water quality data (mainly CBOD and dissolved oxygen) were estimated from the monitoring data at the most upstream stations.

### 4.12 Wasteload Flow and Water Quality Data (Data Types 24, 25, and 26)

These data types account for flow and water quality from point sources discharging into the listed waterbodies. The model included 20 permitted outflows, plus 81 permitted sources that were combined because of lack of discharge pathway information. There were also 7 tributaries that were included as input in these data types. The input file that lists inputs and their associated flows and concentrations are provided in Table 4-3. Data from tributaries was developed from observed data. Permit design flows were used as the flows from permits. Dissolved oxygen was set to 5.0 for point sources. Permitted BOD discharge limits were used for CBOD. Organic nitrogen and nitrate+nitrite were assumed from surrounding waters. Ammonia was assumed to be 1.5 mg/L for smaller point sources. For larger point sources, ammonia was taken from permit limits or from discharge monitoring reports. When point sources were combined, flow-weighted averages were used.

**Table 4-3. Summary of point sources and tributaries used in LA-QUAL**

| Point source/ tributary name | Flow (mgd) | DO (mg/L) | CBOD (mg/L) | Org N (mg/L) | Ammonia (mg/L) | $NO_3$+$NO_2$ (mg/L) | Comment |
|---|---|---|---|---|---|---|---|
| Bayou Grosse Tete #2 | 31.0187 | 2.0 | 3.5 | 1.1 | 0.03 | 0.0 | Tributary |
| LA0003034 | 0.0000 | 5.0 | 10.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LA0020648 | 1.5000 | 5.0 | 30.0 | 1.6 | 4.00 | 1.6 | Point source in 120106 |

**Table 4-3. (continued)**

| Point source/ tributary name | Flow (mgd) | DO (mg/L) | CBOD (mg/L) | Org N (mg/L) | Ammonia (mg/L) | NO3+NO2 (mg/L) | Comment |
|---|---|---|---|---|---|---|---|
| LA0068501 | 0.3000 | 5.0 | 10.0 | 1.1 | 4.00 | 10.0 | Point source in 120109 |
| LA0121185 | 0.0000 | 5.0 | 45.0 | 1.2 | 1.50 | 2.0 | Point source in 120105 |
| LAG530786 | 0.0050 | 5.0 | 45.0 | 1.2 | 1.50 | 2.0 | Point source in 120105 |
| LAG531065 | 0.0050 | 5.0 | 45.0 | 1.6 | 1.50 | 1.6 | Point source in 120106 |
| LAG531362 | 0.0010 | 5.0 | 45.0 | 1.1 | 1.50 | 1.7 | Point source in 120109 |
| LAG531616 | 0.0003 | 5.0 | 45.0 | 1.1 | 1.50 | 10.0 | Point source in 120109 |
| LAG531697 | 0.0007 | 5.0 | 45.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG531903 | 0.0001 | 5.0 | 45.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG531990 | 0.0016 | 5.0 | 45.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG540069 | 0.0030 | 5.0 | 45.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG540102 | 0.0240 | 5.0 | 30.0 | 1.6 | 1.50 | 1.6 | Point source in 120106 |
| LAG540783 | 0.0490 | 5.0 | 30.0 | 2.0 | 1.50 | 0.5 | Point source in 120105 |
| LAG540784 | 0.0026 | 5.0 | 30.0 | 1.6 | 1.50 | 1.6 | Point source in 120106 |
| LAG540785 | 0.0120 | 5.0 | 30.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG540858 | 0.0064 | 5.0 | 30.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG540898 | 0.0400 | 5.0 | 30.0 | 1.5 | 1.50 | 2.0 | Point source in 120102 |
| LAG560237 | 0.0070 | 5.0 | 20.0 | 1.1 | 1.50 | 1.7 | Point source in 120109 |
| LAG570359 | 0.0650 | 5.0 | 10.0 | 1.6 | 1.50 | 1.6 | Point source in 120106 |
| PS 120103 | 0.4296 | 3.1 | 27.7 | 1.5 | 1.50 | 0.1 | Combined point sources |
| PS 120109#1 | 0.4419 | 5.0 | 14.8 | 1.1 | 3.50 | 10.0 | Combined point sources |
| PS 120109#2 | 0.0239 | 5.0 | 30.9 | 1.1 | 1.50 | 10.0 | Combined point sources |
| PS 120109#3 | 0.1038 | 5.0 | 15.2 | 1.1 | 1.50 | 10.0 | Combined point sources |
| Stumpy Bayou | 8.6594 | 3.6 | 9.9 | 1.0 | 0.10 | 1.0 | Tributary |
| Superior Canal | 22.1008 | 5.5 | 10.0 | 1.4 | 0.10 | 0.0 | Tributary |
| Unknown Trib #1 | 5.3636 | 3.1 | 4.3 | 1.5 | 1.50 | 0.1 | Tributary |
| Unknown Trib #2 | 0.0023 | 6.3 | 3.0 | 1.2 | 0.10 | 1.5 | Tributary |
| Unknown Trib #3 | 0.0023 | 6.3 | 3.0 | 1.2 | 0.10 | 1.5 | Tributary |
| Unknown Trib #4 | 0.0023 | 6.3 | 3.0 | 1.2 | 0.10 | 1.5 | Tributary |

## 4.13 Calibration and Model Results

Model calibration was a multistep process using ammonia, CBOD, and SOD concentrations for each reach, starting with the most upstream reach and working down to the outflow reach. Organic nitrogen was first adjusted so that predicted concentrations matched observed data. The ammonia and nitrate loads were then adjusted so that the predicted nitrogen concentrations would match the observed concentrations. After ammonia was calibrated, the CBOD loads were adjusted until the predicted CBOD concentrations were similar to the observed concentrations. Finally, SOD was adjusted until the predicted dissolved oxygen concentrations were similar to the observed concentrations.

Table 4-4 lists the oxygen demand loadings for calibration conditions, which were based on existing conditions. Overall, the model did well in predicting the observed values for temperature, ammonia, BOD, and dissolved oxygen, and was considered adequately calibrated

on the basis of the data available. Plots of observed and calibration water quality are presented in Appendix F. Figure 4-1 is an example calibration plot.

**Table 4-4. Calibration (existing) oxygen demand**

| Subsegment | Oxygen demand (lb/d) | | | | |
|---|---|---|---|---|---|
| | SOD | CBOD | Ammonia | Organic N | Total |
| 120102 | 199.20 | 5,019.34 | 15.72 | 524.77 | 5,759.03 |
| 120103 | 3,334.59 | 11,865.07 | 1,899.31 | 3,657.73 | 20,756.70 |
| 120105 | 145.09 | 61.64 | 4.50 | 19.86 | 231.08 |
| 120106 | 702.45 | 6,732.91 | 278.12 | 1,132.07 | 8,845.54 |
| 120107 | 8,275.14 | 18,355.12 | 226.09 | 8,037.71 | 34,894.07 |
| 120109 | 11,944.14 | 25,375.08 | 1,312.07 | 29,863.69 | 68,494.98 |
| 120110 | 265.57 | 1,120.68 | 2.35 | 911.12 | 2,299.72 |

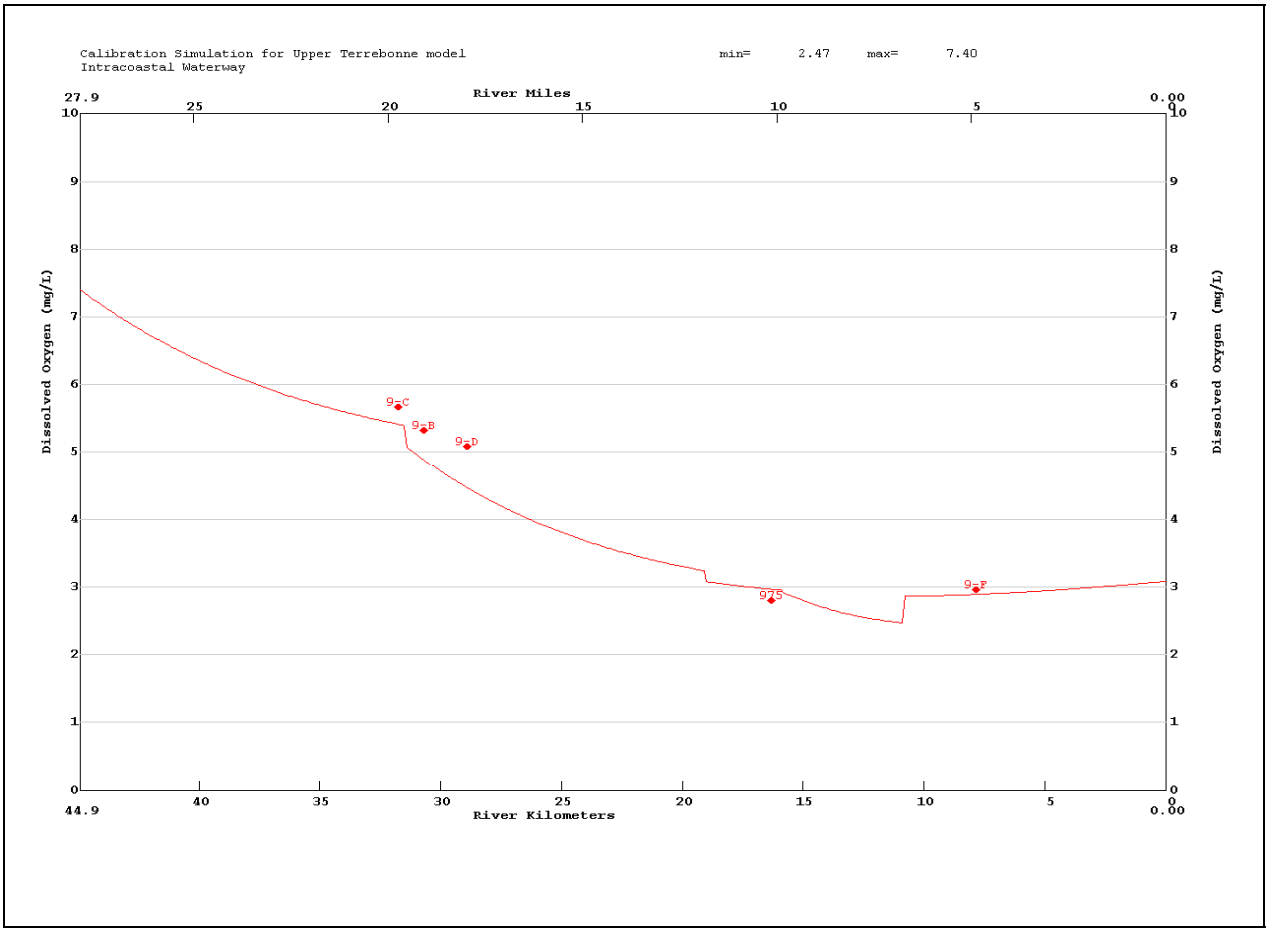


**Figure 4.1. Calibration plot for dissolved oxygen in subsegment 120109.**

# 5 LOW DISSOLVED OXYGEN MODEL PROJECTION

EPA's regulations at 40 CFR 130.7 require that parties determining TMDLs take into account critical conditions for stream flow, loading, and water quality parameters. The calibrated model was used to project water quality for critical conditions. Two scenarios were run for the critical conditions: baseline and TMDL. The model was run for baseline conditions, which used the same water quality and model parameters as the calibration model; however, the flow and temperature were changed to critical conditions and effluent water quality from permitted dischargers were changed to permit limits. The TMDL model run was the same as the baseline run; however, pollutant loadings were reduced so that dissolved oxygen met criteria at all locations. Identifying critical conditions and the model input data used for critical conditions are discussed in this section. Appendix F contains the baseline output file and Appendix G contains the TMDL output file. The output files include the input parameters.

## 5.1 Identification of Critical Conditions

The LDEQ LTP defines critical conditions in terms of flow and temperature. Critical flow conditions are simulated by using the annual 7Q10 flow or 0.1 cubic feet per second (cfs), whichever is greater. In addition, all point sources are assumed to be discharging at design capacity and at their permit limits. The LTP specifies that the critical temperature should be determined by calculating the 90$^{th}$ percentile seasonal temperature for the waterbody being modeled, if data are available. Otherwise, 30 degrees Celsius (ºC) was used.

## 5.2 Temperature Inputs

The critical temperatures for the headwaters were based on the 90$^{th}$ percentile temperature of LDEQ ambient monitoring in the representative subsegment. A critical temperature of 30 °C was used for incremental and wasteload inputs. Because these subsegments have a year-round standard for dissolved oxygen, a winter projection simulation was not performed. The most critical time of year for meeting a constant dissolved oxygen standard is the period of high temperatures and low flows.

## 5.3 Headwater and Tributary (Wasteload) Inputs

The inputs for the headwater and tributaries for the projection simulation were based on guidance in the LTP. According to the LTP, the critical flow rates for summer should be set to either the 7Q10 flow or 0.1 cfs, whichever is greater. Because 7Q10 values for the waterbodies are not available, the headwater and tributary flows used in calibrating the model were set to 0.1 cfs, with the exception of Bayou Plaquemine and the Intracoastal Waterway. It was assumed that during critical times, there might not be headwater flow for 7 days, making the 7Q10 equal to 0 cfs, so 0.1 cfs would be used. The inputs from Bayou Plaquemine and Intracoastal Waterway are actually pumped discharges from the Mississippi River and were kept the same as calibration in the assumption lock usage and water release from the Mississippi River would not change under critical conditions.

Dissolved oxygen from headwaters and tributaries were set to the water quality criterion of 5 mg/L or the observed concentration, whichever was greater. CBOD levels from headwaters and tributaries were reduced until modeled dissolved oxygen met the criteria. The ammonia levels

were low from both the headwaters and tributaries; therefore, the ammonia inputs were not changed from the calibration values.

### 5.4 Point Source Inputs

Input point sources were kept at the same flow as the calibration inputs. Ammonia and organic nitrogen levels were changed from observed or assumed concentrations to proposed concentrations. The nitrogen concentrations were assumed to be half the amount of the oxygen demand, with two-thirds assumed to be ammonia loading and one-third as organic nitrogen loading. These assumptions are consistent with information presented in the LTP. If necessary, input concentrations were reduced to keep the dissolved oxygen concentration above 5 mg/L.

### 5.5 Baseline Model Results

Baseline line conditions were run under critical temperature and water flow conditions for calibrated parameters and water quality values. Plots of baseline water quality are presented in Appendix I. Table 5-1 presents the baseline oxygen demand for each subsegment.

**Table 5-1. Baseline oxygen demand**

| Subsegment | Oxygen demand (lb/d) | | | | |
|---|---|---|---|---|---|
| | SOD | CBOD | Ammonia | Organic N | Total |
| 120102 | 231.42 | 3,304.17 | 4,716.37 | 2,368.01 | 10,619.97 |
| 120103 | 3,234.97 | 8,699.53 | 3,808.58 | 2,416.05 | 18,159.13 |
| 120105 | 148.49 | 65.76 | 43.25 | 37.13 | 294.62 |
| 120106 | 738.70 | 6,732.91 | 312.65 | 1,375.71 | 9,159.97 |
| 120107 | 8,051.63 | 20.48 | 0.37 | 105.26 | 8,177.75 |
| 120109 | 11,854.72 | 15,983.04 | 1,026.41 | 20,020.74 | 48,884.92 |
| 120110 | 283.89 | 7.49 | 0.07 | 9.07 | 300.52 |

### 5.6 TMDL Reduction Model Results

Several steps were used to develop the reduction percentages for oxygen demand. The TMDL was calculated by first iteratively reducing SOD. After meeting the dissolved oxygen criterion by reducing SOD, the CBOD reduction rate was calculated by the SOD/CBOD relationship ($SOD = a \times \sqrt{CBOD}$). Slight adjustments were made to the SOD reduction rate, and an updated CBOD reduction rate was calculated. This process was repeated until the optimal reduction rates were determined.

To meet the dissolved oxygen standard, 5.0 mg/L, total oxygen demand must be reduced between 36 to 64 percent. This percentage reduction for nonpoint source loads represents a percentage of the entire nonpoint source loading, not a percentage of the man-made nonpoint source loading from baseline conditions. The nonpoint source loads in this report were not divided between natural and man-made because it would be difficult to estimate natural nonpoint source loads. Plots of TMDL water quality are presented in Appendix J.

# 6 TMDL DEVELOPMENT

A TMDL is the total amount of a pollutant that a receiving waterbody can assimilate while still achieving water quality standards. In TMDL development, allowable loadings from all pollutant sources that cumulatively amount to no more than the TMDL must be established, thereby providing the basis for establishing water quality-based controls.

A TMDL for a given pollutant and waterbody is composed of the sum of individual wasteload allocations (WLAs) for point sources and load allocations (LAs) for nonpoint sources and natural background levels. In addition, the TMDL must include an implicit or explicit margin of safety (MOS) to account for the uncertainty in the relationship between pollutant loads and the quality of the receiving waterbody, and it may include a future growth (FG) component. The TMDL components are illustrated using the following equation:

$$TMDL = \Sigma\ WLAs + \Sigma\ LAs + MOS + FG$$

The LA is the portion of the TMDL assigned to nonpoint sources such as natural background loadings. For this TMDL, the LA was calculated by subtracting the WLA, MOS, and FG from the total TMDL allocation. LAs were not allocated to separate nonpoint sources because of the lack of available source characterization data.

The WLA portion of the TMDL equation is the total loading of a pollutant that is assigned to point sources. The permitted or average (expected or observed) flows were used to calculate the WLAs. If the permitted or average flow was unavailable, the permit maximum flow was used. The permit maximum flow was usually the maximum flow covered by the specific type of general permit. For example, the LPDES Class II Sanitary General Permit covers facilities with flow of up to 25,000 gallons per day. Sometimes the permit maximum flow was significantly greater than the expected flow, and therefore the permit maximum was used only when other flows were not available.

EPA's stormwater permitting regulations require municipalities to obtain permit coverage for all stormwater discharges from MS4s. For each MS4 in the basin, a gross MS4 load was computed by multiplying the LA by the ratio of the MS4 area in each subsegment to the subsegment area. Note that these values are estimates that can be refined in the future as more information about the MS4s and land-use-specific loadings becomes available. Note also that the MS4 loads presented reflect only that portion of the MS4 in the subsegment. The computed MS4 load was subtracted from the LA and included as a WLA component of the TMDL because MS4s are permitted dischargers but function similarly to nonpoint sources (through storm-driven processes). EPA expects that the MS4 WLAs will be achieved through BMPs and adaptive management.

Section 303(d) of the Clean Water Act and the regulations at 40 CFR 130.7 require that TMDLs include an MOS to account for uncertainty in available data or in the actual effect that controls will have on the loading reductions and receiving water quality. The MOS may be expressed explicitly as unallocated assimilative capacity or implicitly using conservative assumptions in establishing the TMDL. In addition to the MOS, an FG component may be added to account specifically for FG in the TMDL area.

There are two ways to incorporate the MOS (USEPA 1991). One way is to implicitly incorporate it by using conservative model assumptions to develop allocations, including the following:

- *Using slightly higher water temperatures than the suggested water temperature.* If dissolved oxygen meets the criterion with higher water temperature, it will meet the criterion with lower water temperature when other factors remain unchanged.
- *Using the dissolved oxygen water quality criteria for model inflows.* Dissolved oxygen from headwaters and tributaries was set to the water quality criterion, which is lower than the 90 percent saturation level of dissolved oxygen at 30 ºC.

The other way is to explicitly specify a portion of the TMDL as the MOS and use the remainder for allocations. For this analysis, the MOS is explicit: 10 percent of each targeted TMDL was reserved as the MOS to account for any uncertainty in the TMDL. Using 10 percent of the TMDL load provides an additional level of protection to the designated uses of the subsegments of concern.

The MOS is an allocation for scientific uncertainly, while the FG is an allocation for growth. Ten percent of the load was allocated for FG in the area covered by the TMDL. This growth includes future urban development, including point sources, MS4 areas, agriculture, and other nonpoint sources. The FG could also be used for sources not accounted for or unknown and therefore not otherwise included in the TMDL.

### 6.1 Dissolved Oxygen TMDLs

The dissolved oxygen TMDLs are presented as oxygen demand from CBOD, ammonia nitrogen, and SOD, and they were derived using the LA-QUAL model. A summary of the TMDLs is presented in Table 6-1. The TMDLs were calculated from SOD, CBOD, ammonia, and organic nitrogen from nonpoint source model inputs, tributary flows, incremental flows, and background. Table 6-2 presents a summary of the reduction percentages for LAs; two reductions were necessary for WLAs. The reduction percentages for total oxygen demand ranged from 36 to 64 percent.

WLAs were calculated using monthly average permit limits, when applicable. If a permit does not have a monthly average permit limit, the weekly average permit limit was used. If the facility has neither a monthly nor a weekly limit, the daily maximum limit was used to calculate loads. All facilities had oxygen demand and limits; however, only a few had ammonia limits. The nitrogen loading was assumed to be half the amount of the oxygen demand, with two-thirds was assumed to be ammonia loading and one-third as organic nitrogen loading. These assumptions are consistent with information presented in the LTP. The WLAs are presented in Tables 6-3 through 6-17. Table 6-18 lists the individual WLAs for the MS4s identified in Section 2.5.

Two facilities required changes to their WLAs. The discharge of the Alma Plantation (LA0003034—subsegment 120102) had oxygen demand and ammonia reduced from a monthly average of 10 mg/L to 5 mg/L and 3.33 mg/L to 1.25 mg/L, respectively; while the discharge of dissolved oxygen was increased from a monthly average of 4.0 mg/L to 5.0 mg/L. In addition, the Ashland Plantation (LAG540783—subsegment 120105) discharge had oxygen demand

reduced from a monthly average of 30 mg/L to 10 mg/L, while the discharge of dissolved oxygen was increased from 5.0 mg/L to 6.0 mg/L. The WLAs for these facilities are shown in Tables 6-3 through 6-17. Reductions from other point source discharges are not required as a result of this TMDL.

**Table 6-1. Summary of dissolved oxygen TMDLs, WLAs, LAs, MOSs, and FGs**

| Subsegment | Oxygen demand (lb/d) | | | | |
|---|---|---|---|---|---|
| **120102** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.00 | 1,320.36 | 1,438.96 | 949.12 | 3,708.44 |
| MOS for WLA | 0.00 | 165.04 | 179.87 | 118.64 | 463.56 |
| FG for WLA | 0.00 | 165.04 | 179.87 | 118.64 | 463.56 |
| LA | 88.79 | 8.28 | 0.09 | 2.21 | 99.38 |
| MOS for LA | 11.10 | 1.04 | 0.01 | 0.28 | 12.42 |
| FG for LA | 11.10 | 1.04 | 0.01 | 0.28 | 12.42 |
| TMDL | 110.99 | 1,660.80 | 1,798.82 | 1,189.16 | 4,759.78 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120103** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 50.7 | 196.5 | 218.4 | 120.0 | 585.5 |
| MOS for WLA | 6.3 | 24.6 | 27.3 | 15.0 | 73.2 |
| FG for WLA | 6.3 | 24.6 | 27.3 | 15.0 | 73.2 |
| LA | 1,230.4 | 1,901.5 | 1,163.1 | 842.4 | 5,137.4 |
| MOS for LA | 153.8 | 237.7 | 145.4 | 105.3 | 642.2 |
| FG for LA | 153.8 | 237.7 | 145.4 | 105.3 | 642.2 |
| TMDL | 1,601.4 | 2,622.5 | 1,726.9 | 1,202.9 | 7,153.7 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120105** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.00 | 15.66 | 22.61 | 11.30 | 49.57 |
| MOS for WLA | 0.00 | 1.96 | 2.83 | 1.41 | 6.20 |
| FG for WLA | 0.00 | 1.96 | 2.83 | 1.41 | 6.20 |
| LA | 69.82 | 11.70 | 0.19 | 5.24 | 86.95 |
| MOS for LA | 8.73 | 1.46 | 0.02 | 0.65 | 10.87 |
| FG for LA | 8.73 | 1.46 | 0.02 | 0.65 | 10.87 |
| TMDL | 87.28 | 34.20 | 28.49 | 20.68 | 170.65 |
| **Subsegment** | **Oxygen demand (lb/d)** | | | | |
| **120106** | **SOD** | **CBOD** | **Ammonia** | **Organic N** | **Total** |
| WLA | 0.0 | 398.6 | 250.1 | 287.7 | 936.4 |
| MOS for WLA | 0.0 | 49.8 | 31.3 | 36.0 | 117.1 |
| FG for WLA | 0.0 | 49.8 | 31.3 | 36.0 | 117.1 |
| LA | 591.0 | 1,216.9 | 0.0 | 812.9 | 2,620.8 |
| MOS for LA | 73.9 | 152.1 | 0.0 | 101.6 | 327.6 |
| FG for LA | 73.9 | 152.1 | 0.0 | 101.6 | 327.6 |
| TMDL | 738.7 | 2,019.4 | 312.6 | 1,375.7 | 4,446.5 |

**Table 6-1. (continued)**

| Subsegment | Oxygen demand (lb/d) | | | | |
|---|---|---|---|---|---|
| 120107 | SOD | CBOD | Ammonia | Organic N | Total |
| WLA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MOS for WLA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FG for WLA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LA | 4,107.39 | 16.39 | 0.30 | 55.19 | 4,179.27 |
| MOS for LA | 513.42 | 2.05 | 0.04 | 6.90 | 522.41 |
| FG for LA | 513.42 | 2.05 | 0.04 | 6.90 | 522.41 |
| TMDL | 5,134.24 | 20.48 | 0.37 | 68.99 | 5,224.09 |
| Subsegment | Oxygen demand (lb/d) | | | | |
| 120109 | SOD | CBOD | Ammonia | Organic N | Total |
| WLA | 86.3 | 239.9 | 302.8 | 198.5 | 827.5 |
| MOS for WLA | 10.8 | 30.0 | 37.8 | 24.8 | 103.4 |
| FG for WLA | 10.8 | 30.0 | 37.8 | 24.8 | 103.4 |
| LA | 8,219.9 | 3,398.0 | 413.9 | 4,696.6 | 16,728.5 |
| MOS for LA | 1,027.5 | 424.8 | 51.7 | 587.1 | 2,091.1 |
| FG for LA | 1,027.5 | 424.8 | 51.7 | 587.1 | 2,091.1 |
| TMDL | 10,382.8 | 4,547.4 | 895.9 | 6,118.9 | 21,945.0 |
| Subsegment | Oxygen demand (lb/d) | | | | |
| 120110 | SOD | CBOD | Ammonia | Organic N | Total |
| WLA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MOS for WLA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| FG for WLA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LA | 146.002 | 3.969 | 0.056 | 4.798 | 154.826 |
| MOS for LA | 18.250 | 0.496 | 0.007 | 0.600 | 19.353 |
| FG for LA | 18.250 | 0.496 | 0.007 | 0.600 | 19.353 |
| TMDL | 182.503 | 4.962 | 0.070 | 5.998 | 193.532 |

**Table 6-2. Summary of percent reductions for LAs in the upper Terrebonne Basin**

| Subsegment | Percent reduction | | | | |
|---|---|---|---|---|---|
| | SOD | CBOD | Ammonia | Organic N | Total |
| 120102 | 52.04 | 71.86 | 75.00 | 72.56 | 55.43 |
| 120103 | 52.46 | 72.21 | 59.56 | 54.41 | 63.70 |
| 120105 | 41.22 | 59.33 | 0.00 | 58.08 | 45.74 |
| 120106 | 0.00 | 75.60 | 0.00 | 0.00 | 59.00 |
| 120107 | 36.23 | 0.00 | 0.00 | 34.46 | 36.12 |
| 120109 | 13.33 | 72.99 | 20.81 | 70.40 | 56.50 |
| 120110 | 35.71 | 33.79 | 0.00 | 33.85 | 35.60 |

**Table 6-3. WLAs for BOD for subsegment 120102 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LA0003034 | 001 | Alma Plantation, Ltd -Pointe County | 17 | 5 | 709.36 |
| LA0003034 | 003 | Alma Plantation, Ltd -Pointe County | 14 | 5 | 584.18 |
| LAG531203 | 001 | Jannet's Trailer Park | 0.003 | 45 | 1.13 |
| LAG531500 | 001 | Hidden Oaks Mobile Home | 0.0045 | 45 | 1.69 |
| LAG531697 | 001 | Iberville Parish Council | 0.00074 | 45 | 0.28 |
| LAG531903 | 001 | Dollar Variety, LLC | 0.00006 | 45 | 0.02 |

**Table 6-3. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LAG531990 | 001 | Club Combination | 0.001635 | 45 | 0.61 |
| LAG540069 | 001 | 190 Quick Mart, Inc. | 0.003017 | 45 | 1.13 |
| LAG540785 | 001 | West Baton Rouge Ph Nat Gas & Water | 0.012 | 45 | 4.51 |
| LAG540858 | 001 | Ewing's of New Roads, Inc. | 0.00636 | 45 | 2.39 |
| LAG540898 | 001 | State Capitol Dragway NHRA | 0.04 | 45 | 15.02 |
| LAG750164 | 001 | V&G Laundry | 0.0001 | 45 | 0.04 |
| | | Total | 31.07141 | -- | 1,320.36 |

**Table 6-4. WLAs for ammonia for subsegment 120102 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LA0003034 | 001 | Alma Plantation, Ltd -Pointe County | 17 | 1.25 | 177.34 |
| LA0003034 | 003 | Alma Plantation, Ltd -Pointe County | 14 | 1.25 | 146.04 |
| LAG531203 | 001 | Jannet's Trailer Park | 0.003 | 15.00 | 0.38 |
| LAG531500 | 001 | Hidden Oaks Mobile Home | 0.0045 | 15.00 | 0.56 |
| LAG531697 | 001 | Iberville Parish Council | 0.00074 | 15.00 | 0.09 |
| LAG531903 | 001 | Dollar Variety, LLC | 0.00006 | 15.00 | 0.01 |
| LAG531990 | 001 | Club Combination | 0.001635 | 15.00 | 0.20 |
| LAG540069 | 001 | 190 Quick Mart, Inc. | 0.003017 | 15.00 | 0.38 |
| LAG540785 | 001 | West Baton Rouge Ph Nat Gas & Water | 0.012 | 15.00 | 1.50 |
| LAG540858 | 001 | Ewing's of New Roads, Inc. | 0.00636 | 15.00 | 0.80 |
| LAG540898 | 001 | State Capitol Dragway NHRA | 0.04 | 15.00 | 5.01 |
| LAG750164 | 001 | V&G Laundry | 0.0001 | 15.00 | 0.01 |
| | | Total | 31.07141 | -- | 332.32 |

**Table 6-5. WLAs for organic nitrogen for subsegment 120102 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LA0003034 | 001 | Alma Plantation, Ltd -Pointe County | 17 | 0.83 | 117.75 |
| LA0003034 | 003 | Alma Plantation, Ltd -Pointe County | 14 | 0.83 | 96.97 |
| LAG531203 | 001 | Jannet's Trailer Park | 0.003 | 7.50 | 0.19 |
| LAG531500 | 001 | Hidden Oaks Mobile Home | 0.0045 | 7.50 | 0.28 |
| LAG531697 | 001 | Iberville Parish Council | 0.00074 | 7.50 | 0.05 |
| LAG531903 | 001 | Dollar Variety, LLC | 0.00006 | 7.50 | 0.00 |
| LAG531990 | 001 | Club Combination | 0.001635 | 7.50 | 0.10 |
| LAG540069 | 001 | 190 Quick Mart, Inc. | 0.003017 | 7.50 | 0.19 |
| LAG540785 | 001 | West Baton Rouge Ph Nat Gas & Water | 0.012 | 7.50 | 0.75 |
| LAG540858 | 001 | Ewing's of New Roads, Inc. | 0.00636 | 7.50 | 0.40 |
| LAG540898 | 001 | State Capitol Dragway NHRA | 0.04 | 7.50 | 2.50 |
| LAG750164 | 001 | V&G Laundry | 0.0001 | 7.50 | 0.01 |
| | | Total | 31.07141 | -- | 949.12 |

**Table 6-6. WLAs for BOD for subsegment 120103 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LA0103586 | 001 | Basf Catalysts, LLC - Port Allen Works | 0.0012 | 45 | 0.45 |
| LA0117773 | 001 | Fluker's Cricket Farm, Inc. | 0.003 | 45 | 1.13 |
| LA0117773 | 002 | Fluker's Cricket Farm, Inc. | 0.0006 | 45 | 0.23 |
| LAG480101 | 001 | United ANCO Insulations, Inc. | 0.0015 | 45 | 0.56 |
| LAG480165 | 001 | TMI Enterprise, LLC | 0.000952 | 45 | 0.36 |
| LAG480175 | 001 | Specialty Application Services, Inc. - Port Allen Facility | 0.00006 | 45 | 0.02 |
| LAG480179 | | Oil Mop, LLC | 0.0004 | 45 | 0.15 |
| LAG480182 | 001 | Industrial Parts Specialties | 0.0015 | 45 | 0.56 |
| LAG480386 | | Westside Galvanizing Svcs | 0.0008 | 45 | 0.3 |
| LAG480404 | | Asphalt Products Unlimited | 0.0001 | 45 | 0.04 |
| LAG480538 | 001 | Shaw SSS Fabricators, Inc. | 0.0005 | 45 | 0.19 |
| LAG480538 | 002 | Shaw SSS Fabricators, Inc. | 0.0015 | 45 | 0.56 |
| LAG530126 | | Garman LLC | 0.005 | 45 | 1.88 |
| LAG530361 | 001 | MCBR Management Co, Inc. - McDonald's Restaurant | 0.005 | 45 | 1.88 |
| LAG530639 | | Westerner Motel | 0.005 | 45 | 1.88 |
| LAG531054 | | Heyman-Moore Transport, Inc. | 0.005 | 45 | 1.88 |
| LAG531121 | | Waffle House Miller Properties | 0.00255 | 45 | 0.96 |
| LAG531384 | | Bergeron's Boudin & Cajun | 0.00036 | 45 | 0.14 |
| LAG531623 | | Circle K, Inc. | 0.00091 | 45 | 0.34 |
| LAG531726 | | American General Investments - Cracker Barrel | 0.0015 | 45 | 0.56 |
| LAG540027 | | Krawdaddys Deli & Restaurant | 0.01444 | 45 | 5.41 |
| LAG540089 | | 415 Trailer Park | 0.00925 | 45 | 3.47 |
| LAG540205 | | Cajun Country Campground, Inc. | 0.00975 | 45 | 3.66 |
| LAG540264 | | Days Inn of Port Allen | 0.01835 | 45 | 6.89 |
| LAG540342 | | West Baton Rouge Parish Work Release Gulf Coast Correct | 0.009 | 45 | 3.38 |
| LAG540387 | 001 | Iberville Ph School Board | 0.01502 | 45 | 5.64 |
| LAG540510 | | Hari Ohm Hospitality, Inc. | 0.0072 | 45 | 2.7 |
| LAG540584 | | Pointe Coupee Sew Svc | 0.0236 | 45 | 8.86 |
| LAG540775 | | W Baton Rouge Ph School Board | 0.0068 | 45 | 2.55 |
| LAG540851 | | Acadian Mobile Home Park | 0.00432 | 45 | 1.62 |
| LAG540856 | | West Baton Rouge Par Sch Bd | 0.025 | 45 | 9.39 |
| LAG541036 | 001 | West Baton Rouge Auto Salvage - Wrecker & LaComb's Trailer Park | 0.0069 | 45 | 2.59 |
| LAG541051 | | Sunrise Village Mobile Home Park - Izzy & Elliot, LLC | 0.0108 | 45 | 4.06 |
| LAG541218 | | Legacy Trailer Park | 0.0075 | 45 | 2.82 |
| LAG541313 | | Mo-Dad Utilities, LLC - West Lake Subdivision | 0.0248 | 45 | 9.31 |
| LAG560148 | | West Baton Rouge Par Nat Gas & Wtr - Blanchard Estates | 0.04 | 30 | 10.01 |
| LAG560149 | | West Baton Rouge Parish Police Detention and Law Enforcement Center | 0.032434 | 30 | 8.12 |

**Table 6-6. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LAG560189 | | West Baton Rouge Par Utilities Dept - Roseland Trace Subd | 0.03 | 30 | 7.51 |
| LAG570331 | | West Baton Rouge Natural Gas and Water Systems - Mulatto Bend WWTF | 0.03 | 23 | 5.76 |
| LAG750279 | | Hulcher SVC INC | 0.00006 | 45 | 0.02 |
| LAG750453 | | Louisiana Scrap Metal | 0.0008 | 45 | 0.30 |
| | | Total | 0.3635 | -- | 118.15 |

**Table 6-7. WLAs for ammonia for subsegment 120103 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LA0103586 | 001 | Basf Catalysts, LLC - Port Allen Works | 0.0012 | 15.00 | 0.15 |
| LA0117773 | 001 | Fluker's Cricket Farm, Inc. | 0.003 | 15.00 | 0.38 |
| LA0117773 | 002 | Fluker's Cricket Farm, Inc. | 0.0006 | 15.00 | 0.08 |
| LAG480101 | 001 | United ANCO Insulations, Inc. | 0.0015 | 15.00 | 0.19 |
| LAG480165 | 001 | TMI Enterprise, LLC | 0.000952 | 15.00 | 0.12 |
| LAG480175 | 001 | Specialty Application Services, Inc. - Port Allen Facility | 0.00006 | 15.00 | 0.01 |
| LAG480179 | | Oil Mop, LLC | 0.0004 | 15.00 | 0.05 |
| LAG480182 | 001 | Industrial Parts Specialties | 0.0015 | 15.00 | 0.19 |
| LAG480386 | | Westside Galvanizing Svcs | 0.0008 | 15.00 | 0.10 |
| LAG480404 | | Asphalt Products Unlimited | 0.0001 | 15.00 | 0.01 |
| LAG480538 | 001 | Shaw SSS Fabricators, Inc. | 0.0005 | 15.00 | 0.06 |
| LAG480538 | 002 | Shaw SSS Fabricators, Inc. | 0.0015 | 15.00 | 0.19 |
| LAG530126 | | Garman LLC | 0.005 | 15.00 | 0.63 |
| LAG530361 | 001 | MCBR Management Co, Inc. - McDonald's Restaurant | 0.005 | 15.00 | 0.63 |
| LAG530639 | | Westerner Motel | 0.005 | 15.00 | 0.63 |
| LAG531054 | | Heyman-Moore Transport, Inc. | 0.005 | 15.00 | 0.63 |
| LAG531121 | | Waffle House Miller Properties | 0.00255 | 15.00 | 0.32 |
| LAG531384 | | Bergeron's Boudin & Cajun | 0.00036 | 15.00 | 0.05 |
| LAG531623 | | Circle K, Inc. | 0.00091 | 15.00 | 0.11 |
| LAG531726 | | American General Investments - Cracker Barrel | 0.0015 | 15.00 | 0.19 |
| LAG540027 | | Krawdaddys Deli & Restaurant | 0.01444 | 15.00 | 1.80 |
| LAG540089 | | 415 Trailer Park | 0.00925 | 15.00 | 1.16 |
| LAG540205 | | Cajun Country Campground, Inc. | 0.00975 | 15.00 | 1.22 |
| LAG540264 | | Days Inn of Port Allen | 0.01835 | 15.00 | 2.30 |
| LAG540342 | | West Baton Rouge Parish Work Release Gulf Coast Correct | 0.009 | 15.00 | 1.13 |
| LAG540387 | 001 | Iberville Ph School Board | 0.01502 | 15.00 | 1.88 |
| LAG540510 | | Hari Ohm Hospitality, Inc. | 0.0072 | 15.00 | 0.90 |
| LAG540584 | | Pointe Coupee Sew Svc | 0.0236 | 15.00 | 2.95 |
| LAG540775 | | W Baton Rouge Ph School Board | 0.0068 | 15.00 | 0.85 |
| LAG540851 | | Acadian Mobile Home Park | 0.00432 | 15.00 | 0.54 |
| LAG540856 | | West Baton Rouge Par Sch Bd | 0.025 | 15.00 | 3.13 |

**Table 6-7. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LAG541036 | 001 | West Baton Rouge Auto Salvage - Wrecker & LaComb's Trailer Park | 0.0069 | 15.00 | 0.86 |
| LAG541051 | | Sunrise Village Mobile Home Park - Izzy & Elliot, LLC | 0.0108 | 15.00 | 1.35 |
| LAG541218 | | Legacy Trailer Park | 0.0075 | 15.00 | 0.94 |
| LAG541313 | | Mo-Dad Utilities, LLC - West Lake Subdivision | 0.0248 | 15.00 | 3.10 |
| LAG560148 | | West Baton Rouge Par Nat Gas & Wtr - Blanchard Estates | 0.04 | 10.00 | 3.34 |
| LAG560149 | | West Baton Rouge Parish Police Detention and Law Enforcement Center | 0.032434 | 10.00 | 2.71 |
| LAG560189 | | West Baton Rouge Par Utilities Dept - Roseland Trace Subd | 0.03 | 10.00 | 2.50 |
| LAG570331 | | West Baton Rouge Natural Gas and Water Systems - Mulatto Bend WWTF | 0.03 | 7.67 | 1.92 |
| LAG750279 | | Hulcher SVC INC | 0.00006 | 15.00 | 0.01 |
| LAG750453 | | Louisiana Scrap Metal | 0.0008 | 15.00 | 0.10 |
| | | Total | 0.3635 | -- | 170.53 |

**Table 6-8. WLAs for organic nitrogen for subsegment 120103 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LA0103586 | 001 | Basf Catalysts, LLC - Port Allen Works | 0.0012 | 7.50 | 0.08 |
| LA0117773 | 001 | Fluker's Cricket Farm, Inc. | 0.003 | 7.50 | 0.19 |
| LA0117773 | 002 | Fluker's Cricket Farm, Inc. | 0.0006 | 7.50 | 0.04 |
| LAG480101 | 001 | United ANCO Insulations, Inc. | 0.0015 | 7.50 | 0.09 |
| LAG480165 | 001 | TMI Enterprise, LLC | 0.000952 | 7.50 | 0.06 |
| LAG480175 | 001 | Specialty Application Services, Inc. - Port Allen Facility | 0.00006 | 7.50 | 0.00 |
| LAG480179 | | Oil Mop, LLC | 0.0004 | 7.50 | 0.03 |
| LAG480182 | 001 | Industrial Parts Specialties | 0.0015 | 7.50 | 0.09 |
| LAG480386 | | Westside Galvanizing Svcs | 0.0008 | 7.50 | 0.05 |
| LAG480404 | | Asphalt Products Unlimited | 0.0001 | 7.50 | 0.01 |
| LAG480538 | 001 | Shaw SSS Fabricators, Inc. | 0.0005 | 7.50 | 0.03 |
| LAG480538 | 002 | Shaw SSS Fabricators, Inc. | 0.0015 | 7.50 | 0.09 |
| LAG530126 | | Garman LLC | 0.005 | 7.50 | 0.31 |
| LAG530361 | 001 | MCBR Management Co, Inc. - McDonald's Restaurant | 0.005 | 7.50 | 0.31 |
| LAG530639 | | Westerner Motel | 0.005 | 7.50 | 0.31 |
| LAG531054 | | Heyman-Moore Transport, Inc. | 0.005 | 7.50 | 0.31 |
| LAG531121 | | Waffle House Miller Properties | 0.00255 | 7.50 | 0.16 |
| LAG531384 | | Bergeron's Boudin & Cajun | 0.00036 | 7.50 | 0.02 |
| LAG531623 | | Circle K, Inc. | 0.00091 | 7.50 | 0.06 |
| LAG531726 | | American General Investments - Cracker Barrel | 0.0015 | 7.50 | 0.09 |
| LAG540027 | | Krawdaddys Deli & Restaurant | 0.01444 | 7.50 | 0.90 |
| LAG540089 | | 415 Trailer Park | 0.00925 | 7.50 | 0.58 |

**Table 6-8. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LAG540205 | | Cajun Country Campground, Inc. | 0.00975 | 7.50 | 0.61 |
| LAG540264 | | Days Inn of Port Allen | 0.01835 | 7.50 | 1.15 |
| LAG540342 | | West Baton Rouge Parish Work Release Gulf Coast Correct | 0.009 | 7.50 | 0.56 |
| LAG540387 | 001 | Iberville Ph School Board | 0.01502 | 7.50 | 0.94 |
| LAG540510 | | Hari Ohm Hospitality, Inc. | 0.0072 | 7.50 | 0.45 |
| LAG540584 | | Pointe Coupee Sew Svc | 0.0236 | 7.50 | 1.48 |
| LAG540775 | | W Baton Rouge Ph School Board | 0.0068 | 7.50 | 0.43 |
| LAG540851 | | Acadian Mobile Home Park | 0.00432 | 7.50 | 0.27 |
| LAG540856 | | West Baton Rouge Par Sch Bd | 0.025 | 7.50 | 1.56 |
| LAG541036 | 001 | West Baton Rouge Auto Salvage - Wrecker & LaComb's Trailer Park | 0.0069 | 7.50 | 0.43 |
| LAG541051 | | Sunrise Village Mobile Home Park - Izzy & Elliot, LLC | 0.0108 | 7.50 | 0.68 |
| LAG541218 | | Legacy Trailer Park | 0.0075 | 7.50 | 0.47 |
| LAG541313 | | Mo-Dad Utilities, LLC - West Lake Subdivision | 0.0248 | 7.50 | 1.55 |
| LAG560148 | | West Baton Rouge Par Nat Gas & Wtr - Blanchard Estates | 0.04 | 5.00 | 1.67 |
| LAG560149 | | West Baton Rouge Parish Police Detention and Law Enforcement Center | 0.032434 | 5.00 | 1.35 |
| LAG560189 | | West Baton Rouge Par Utilities Dept - Roseland Trace Subd | 0.03 | 5.00 | 1.25 |
| LAG570331 | | West Baton Rouge Natural Gas and Water Systems - Mulatto Bend WWTF | 0.03 | 3.83 | 0.96 |
| LAG750279 | | Hulcher SVC INC | 0.00006 | 7.50 | 0.00 |
| LAG750453 | | Louisiana Scrap Metal | 0.0008 | 7.50 | 0.05 |
| | | Total | 0.3635 | -- | 85.26 |

**Table 6-9. WLAs for BOD for subsegment 120105 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LA0121185 | 002 | Air Liquide America LP | 0.00002 | 45 | 0.01 |
| LAG530786 | 001 | West Baton Rouge Par Sch Bd - Chamberlin Elem. School | 0.005 | 45 | 1.88 |
| LAG540581 | 001 | Pointe Coupee Par Sch Bd - Rougon Elementary School | 0.014 | 45 | 5.26 |
| LAG540775 | 001 | West Baton Rouge Par Sch Bd - Devall Middle School | 0.0068 | 45 | 2.55 |
| LAG540783 | 001 | West Baton Rouge Ph Natural Gas & Wtr Sys - Ashland Plantation WWTP | 0.049 | 10 | 4.09 |
| LAG540784 | 001 | West Baton Rouge Comm Cntr | 0.005 | 45 | 1.88 |
| | | Total | 0.0798 | -- | 15.66 |

**Table 6-10. WLAs for ammonia for subsegment 120105 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LA0121185 | 002 | Air Liquide America LP | 0.00002 | 15.00 | 0.00 |
| LAG530786 | 001 | West Baton Rouge Par Sch Bd - Chamberlin Elem. School | 0.005 | 15.00 | 0.63 |
| LAG540581 | 001 | Pointe Coupee Par Sch Bd - Rougon Elementary School | 0.014 | 15.00 | 1.75 |
| LAG540775 | 001 | West Baton Rouge Par Sch Bd - Devall Middle School | 0.0068 | 15.00 | 0.85 |
| LAG540783 | 001 | West Baton Rouge Ph Natural Gas & Wtr Sys - Ashland Plantation WWTP | 0.049 | 3.33 | 1.36 |
| LAG540784 | 001 | West Baton Rouge Comm Cntr | 0.005 | 15.00 | 0.63 |
| | | Total | 0.0798 | -- | 22.61 |

**Table 6-11. WLAs for organic nitrogen for subsegment 120105 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LA0121185 | 002 | Air Liquide America LP | 0.00002 | 7.50 | 0.00 |
| LAG530786 | 001 | West Baton Rouge Par Sch Bd - Chamberlin Elem. School | 0.005 | 7.50 | 0.31 |
| LAG540581 | 001 | Pointe Coupee Par Sch Bd - Rougon Elementary School | 0.014 | 7.50 | 0.88 |
| LAG540775 | 001 | West Baton Rouge Par Sch Bd - Devall Middle School | 0.0068 | 7.50 | 0.43 |
| LAG540783 | 001 | West Baton Rouge Ph Natural Gas & Wtr Sys - Ashland Plantation WWTP | 0.049 | 1.67 | 0.68 |
| LAG540784 | 001 | West Baton Rouge Comm Cntr | 0.005 | 7.50 | 0.31 |
| | | Total | 0.0798 | -- | 11.30 |

**Table 6-12. WLAs for BOD for subsegment 120106 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LA0020648 | 001 | Plaquemine, City of | 1.5 | 30 | 375.54 |
| LAG531065 | 001 | Iberville Parish Parks & Rec | 0.005 | 45 | 1.88 |
| LAG531912 | 001 | Eagle Warehouse | 0.00004 | 45 | 0.02 |
| LAG531912 | 002 | Eagle Warehouse | 0.00036 | 45 | 0.14 |
| LAG540102 | | TesH-Green Acres | 0.024 | 45 | 9.01 |
| LAG540118 | 001 | River West Medical Ctr | 0.007777 | 45 | 2.92 |
| LAG540384 | 001 | Crescent Elementary School | 0.0026 | 45 | 0.98 |
| LAG570359 | 001 | Iberville Parish Council - Patureau Lane Sewer | 0.065 | 15 | 8.14 |
| | | Total | 1.605 | -- | 398.62 |

**Table 6-13. WLAs for ammonia for subsegment 120106 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LA0020648 | 001 | Plaquemine, City of | 1.5 | 4.00 | 50.07 |
| LAG531065 | 001 | Iberville Parish Parks & Rec | 0.005 | 15.00 | 0.63 |
| LAG531912 | 001 | Eagle Warehouse | 0.00004 | 15.00 | 0.01 |
| LAG531912 | 002 | Eagle Warehouse | 0.00036 | 15.00 | 0.05 |
| LAG540102 | | TesH-Green Acres | 0.024 | 15.00 | 3.00 |
| LAG540118 | 001 | River West Medical Ctr | 0.007777 | 15.00 | 0.97 |
| LAG540384 | 001 | Crescent Elementary School | 0.0026 | 15.00 | 0.33 |
| LAG570359 | 001 | Iberville Parish Council - Patureau Lane Sewer | 0.065 | 5.00 | 2.71 |
| | | Total | 1.605 | -- | 250.12 |

**Table 6-14. WLAs for organic nitrogen for subsegment 120106 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LA0020648 | 001 | Plaquemine, City of | 1.5 | 3.00 | 37.55 |
| LAG531065 | 001 | Iberville Parish Parks & Rec | 0.005 | 7.50 | 0.31 |
| LAG531912 | 001 | Eagle Warehouse | 0.00004 | 7.50 | 0.00 |
| LAG531912 | 002 | Eagle Warehouse | 0.00036 | 7.50 | 0.02 |
| LAG540102 | | TesH-Green Acres | 0.024 | 7.50 | 1.50 |
| LAG540118 | 001 | River West Medical Ctr | 0.007777 | 7.50 | 0.49 |
| LAG540384 | 001 | Crescent Elementary School | 0.0026 | 7.50 | 0.16 |
| LAG570359 | 001 | Iberville Parish Council - Patureau Lane Sewer | 0.065 | 2.50 | 1.36 |
| | | Total | 1.605 | -- | 179.26 |

**Table 6-15. WLAs for BOD for subsegment 120109 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LA0047554 | 001 | Sid Richardson Carbon Co. | 0.002 | 45 | 0.75 |
| LA0052124 | 004 | Intercontinental Terminals Co. | 0.0005 | 45 | 0.19 |
| LA0068241 | 001 | Brusly, Town of | 0.22298 | 15 | 27.91 |
| LA0068501 | 001 | West Baton Rouge Ph - Westport | 0.4 | 15 | 50.07 |
| LA0080888 | 001 | Westway Trading Company - Port Allen Terminal | 0.0001 | 45 | 0.04 |
| LA0080888 | 004 | Westway Trading Company - Port Allen Terminal | 0.00005 | 45 | 0.02 |
| LA0083721 | 001 | Trinity Marine Products | 0.005 | 45 | 1.88 |
| LA0083721 | 002 | Trinity Marine Products | 0.0015 | 45 | 0.56 |
| LA0083721 | 003 | Trinity Marine Products | 0.01 | 45 | 3.76 |
| LA0085821 | 201 | EXXON Port Allen Lube Plant | 0.003 | 45 | 1.13 |
| LA0104159 | 001 | Trans Chem - Port Allen | 0.00034 | 45 | 0.13 |
| LA0107719 | 001 | Nalco Company | 0.03 | 36 | 9.01 |
| LA0107719 | 002 | Nalco Company | 0.0002 | 45 | 0.08 |
| LA0108685 | 002 | Andrews Transports | 0.0005 | 45 | 0.19 |
| LA0114324 | 001 | Community Coffee Co., LLC | 0.002 | 45 | 0.75 |
| LAG110020 | 001 | Construction Specialists | 0.002 | 45 | 0.75 |
| LAG380068 | 003 | Iberville Par Waterworks | 0.005 | 45 | 1.88 |
| LAG480154 | 001 | Diamond Plastics Corp | 0.00084 | 45 | 0.32 |
| LAG480189 | 001 | Reliant Technologies | 0.000072 | 45 | 0.03 |

**Table 6-15. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | BOD (mg/L) | BOD (lb/d) |
|---|---|---|---|---|---|
| LAG480217 | 004 | Southern Scrap Xpress | 0.000309 | 45 | 0.12 |
| LAG480441 | 002 | Wal-Mart Stores, Inc. | 0.005 | 45 | 1.88 |
| LAG480540 | 001 | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 0.00083 | 45 | 0.31 |
| LAG480540 | 002 | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 0.00083 | 45 | 0.31 |
| LAG530594 | 001 | Waffle House #1016 | 0.005 | 45 | 1.88 |
| LAG530620 | 001 | Ourso Trailer Park Brusly | 0.005 | 45 | 1.88 |
| LAG531026 | 001 | Brusly Apts | 0.002 | 45 | 0.75 |
| LAG531056 | 001 | Greater Baton Rouge Port Commission | 0.0005 | 45 | 0.19 |
| LAG531056 | 002 | Greater Baton Rouge Port Commission | 0.0005 | 45 | 0.19 |
| LAG531095 | 001 | Lyons Specialty Co., Inc. | 0.003162 | 45 | 1.19 |
| LAG531167 | 001 | Leo Wallace Daiquiries | 0.00105 | 45 | 0.39 |
| LAG531168 | 001 | Lucky Dollar Casino | 0.005 | 45 | 1.88 |
| LAG531169 | 001 | Port Allen Inn Suites | 0.0048 | 45 | 1.80 |
| LAG531231 | 001 | Poplar Grove Chapel Missionary Baptist Church | 0.005 | 45 | 1.88 |
| LAG531362 | 001 | LA DOTD | 0.0025 | 45 | 0.94 |
| LAG531616 | 001 | Thomas Pipe & Steel, LLC | 0.0003 | 45 | 0.11 |
| LAG531756 | 001 | Dollar Distributing, Inc. | 0.0041 | 45 | 1.54 |
| LAG532260 | 003 | Distribution International | 0.005 | 45 | 1.88 |
| LAG532260 | 101 | Distribution International | 0.0006 | 45 | 0.23 |
| LAG532260 | 102 | Distribution International | 0.0015 | 45 | 0.56 |
| LAG540359 | 001 | Best Western Magnolia Manor | 0.016525 | 45 | 6.21 |
| LAG540627 | 001 | S&R Mobile Home Park | 0.015 | 45 | 5.63 |
| LAG540786 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Oak Alley Subdivision | 0.0156 | 45 | 5.86 |
| LAG540921 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Brittany Estates | 0.006 | 45 | 2.25 |
| LAG540994 | 001 | Chinese Inn | 0.00575 | 45 | 2.16 |
| LAG540998 | 001 | West Baton Rouge Work Release Ctr | 0.00974 | 45 | 3.66 |
| LAG541105 | 001 | Cash's Casino, Inc. | 0.00908 | 45 | 3.41 |
| LAG560147 | 001 | West Baton Rouge Natural Gas And Water Systems - Riverside Dr | 0.035 | 30 | 8.76 |
| LAG560191 | 001 | West Baton Rouge Ph Nat Gas & Wtr | 0.036 | 30 | 9.01 |
| LAG560192 | 001 | Timberlane Trailer Park Oxidation Pond | 0.0384 | 30 | 9.61 |
| LAG560237 | 001 | West Baton Rouge Parish - Freeman Lane WWTP | 0.025 | 30 | 6.26 |
| LAG570151 | 001 | West Baton Rouge Nat Gas And Wtr - Fairview Estates Subdivision | 0.09 | 15 | 11.27 |
| LAG570355 | 001 | West Baton Rouge Parish Utilities, Beaulieu STP No. 1 | 0.025 | 15 | 3.13 |
| LAG570356 | 001 | Choctaw MHP, LLC | 0.0609 | 15 | 7.62 |
| LAG750188 | 002 | Corps of Engineers - Bayou Sorrel Lock | 0.00008 | 45 | 0.03 |
| | | Total | 1.127 | -- | 204.20 |

**Table 6-16. WLAs for ammonia for subsegment 120109 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LA0047554 | 001 | Sid Richardson Carbon Co. | 0.002 | 15.00 | 0.25 |
| LA0052124 | 004 | Intercontinental Terminals Co. | 0.0005 | 15.00 | 0.06 |
| LA0068241 | 001 | Brusly, Town of | 0.22298 | 5.46 | 10.16 |
| LA0068501 | 001 | West Baton Rouge Ph - Westport | 0.4 | 5.00 | 16.69 |
| LA0080888 | 001 | Westway Trading Company - Port Allen Terminal | 0.0001 | 15.00 | 0.01 |
| LA0080888 | 004 | Westway Trading Company - Port Allen Terminal | 0.00005 | 15.00 | 0.01 |
| LA0083721 | 001 | Trinity Marine Products | 0.005 | 15.00 | 0.63 |
| LA0083721 | 002 | Trinity Marine Products | 0.0015 | 15.00 | 0.19 |
| LA0083721 | 003 | Trinity Marine Products | 0.01 | 15.00 | 1.25 |
| LA0085821 | 201 | EXXON Port Allen Lube Plant | 0.003 | 15.00 | 0.38 |
| LA0104159 | 001 | Trans Chem - Port Allen | 0.00034 | 15.00 | 0.04 |
| LA0107719 | 001 | Nalco Company | 0.03 | 12.00 | 3.00 |
| LA0107719 | 002 | Nalco Company | 0.0002 | 15.00 | 0.03 |
| LA0108685 | 002 | Andrews Transports | 0.0005 | 15.00 | 0.06 |
| LA0114324 | 001 | Community Coffee Co., LLC | 0.002 | 15.00 | 0.25 |
| LAG110020 | 001 | Construction Specialists | 0.002 | 15.00 | 0.25 |
| LAG380068 | 003 | Iberville Par Waterworks | 0.005 | 15.00 | 0.63 |
| LAG480154 | 001 | Diamond Plastics Corp | 0.00084 | 15.00 | 0.11 |
| LAG480189 | 001 | Reliant Technologies | 0.000072 | 15.00 | 0.01 |
| LAG480217 | 004 | Southern Scrap Xpress | 0.000309 | 15.00 | 0.04 |
| LAG480441 | 002 | Wal-Mart Stores, Inc. | 0.005 | 15.00 | 0.63 |
| LAG480540 | 001 | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 0.00083 | 15.00 | 0.10 |
| LAG480540 | 002 | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 0.00083 | 15.00 | 0.10 |
| LAG530594 | 001 | Waffle House #1016 | 0.005 | 15.00 | 0.63 |
| LAG530620 | 001 | Ourso Trailer Park Brusly | 0.005 | 15.00 | 0.63 |
| LAG531026 | 001 | Brusly Apts | 0.002 | 15.00 | 0.25 |
| LAG531056 | 001 | Greater Baton Rouge Port Commission | 0.0005 | 15.00 | 0.06 |
| LAG531056 | 002 | Greater Baton Rouge Port Commission | 0.0005 | 15.00 | 0.06 |
| LAG531095 | 001 | Lyons Specialty Co., Inc. | 0.003162 | 15.00 | 0.40 |
| LAG531167 | 001 | Leo Wallace Daiquiries | 0.00105 | 15.00 | 0.13 |
| LAG531168 | 001 | Lucky Dollar Casino | 0.005 | 15.00 | 0.63 |
| LAG531169 | 001 | Port Allen Inn Suites | 0.0048 | 15.00 | 0.60 |
| LAG531231 | 001 | Poplar Grove Chapel Missionary Baptist Church | 0.005 | 15.00 | 0.63 |
| LAG531362 | 001 | LA DOTD | 0.0025 | 15.00 | 0.31 |
| LAG531616 | 001 | Thomas Pipe & Steel, LLC | 0.0003 | 15.00 | 0.04 |
| LAG531756 | 001 | Dollar Distributing, Inc. | 0.0041 | 15.00 | 0.51 |
| LAG532260 | 003 | Distribution International | 0.005 | 15.00 | 0.63 |
| LAG532260 | 101 | Distribution International | 0.0006 | 15.00 | 0.08 |
| LAG532260 | 102 | Distribution International | 0.0015 | 15.00 | 0.19 |
| LAG540359 | 001 | Best Western Magnolia Manor | 0.016525 | 15.00 | 2.07 |
| LAG540627 | 001 | S&R Mobile Home Park | 0.015 | 15.00 | 1.88 |
| LAG540786 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Oak Alley Subdivision | 0.0156 | 15.00 | 1.95 |
| LAG540921 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Brittany Estates | 0.006 | 15.00 | 0.75 |
| LAG540994 | 001 | Chinese Inn | 0.00575 | 15.00 | 0.72 |
| LAG540998 | 001 | West Baton Rouge Work Release Ctr | 0.00974 | 15.00 | 1.22 |

**Table 6-16. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | $NH_3$ (mg/L) | $NH_3$ (lb/d) |
|---|---|---|---|---|---|
| LAG541105 | 001 | Cash's Casino, Inc. | 0.00908 | 15.00 | 1.14 |
| LAG560147 | 001 | West Baton Rouge Natural Gas And Water Systems - Riverside Dr | 0.035 | 10.00 | 2.92 |
| LAG560191 | 001 | West Baton Rouge Ph Nat Gas & Wtr | 0.036 | 10.00 | 3.00 |
| LAG560192 | 001 | Timberlane Trailer Park Oxidation Pond | 0.0384 | 10.00 | 3.20 |
| LAG560237 | 001 | West Baton Rouge Parish - Freeman Lane WWTP | 0.025 | 10.00 | 2.09 |
| LAG570151 | 001 | West Baton Rouge Nat Gas And Wtr - Fairview Estates Subdivision | 0.09 | 5.00 | 3.76 |
| LAG570355 | 001 | West Baton Rouge Parish Utilities, Beaulieu STP No. 1 | 0.025 | 5.00 | 1.04 |
| LAG570356 | 001 | Choctaw MHP, LLC | 0.0609 | 5.00 | 2.54 |
| LAG750188 | 002 | Corps of Engineers - Bayou Sorrel Lock | 0.00008 | 15.00 | 0.01 |
| | | Total | 1.127 | -- | 298.44 |

**Table 6-17. WLAs for organic nitrogen for subsegment 120109 in the upper Terrebonne Basin**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LA0047554 | 001 | Sid Richardson Carbon Co. | 0.002 | 7.50 | 0.13 |
| LA0052124 | 004 | Intercontinental Terminals Co. | 0.0005 | 7.50 | 0.03 |
| LA0068241 | 001 | Brusly, Town of | 0.22298 | 2.73 | 5.08 |
| LA0068501 | 001 | West Baton Rouge Ph - Westport | 0.4 | 2.50 | 8.35 |
| LA0080888 | 001 | Westway Trading Company - Port Allen Terminal | 0.0001 | 7.50 | 0.01 |
| LA0080888 | 004 | Westway Trading Company - Port Allen Terminal | 0.00005 | 7.50 | 0.00 |
| LA0083721 | 001 | Trinity Marine Products | 0.005 | 7.50 | 0.31 |
| LA0083721 | 002 | Trinity Marine Products | 0.0015 | 7.50 | 0.09 |
| LA0083721 | 003 | Trinity Marine Products | 0.01 | 7.50 | 0.63 |
| LA0085821 | 201 | EXXON Port Allen Lube Plant | 0.003 | 7.50 | 0.19 |
| LA0104159 | 001 | Trans Chem - Port Allen | 0.00034 | 7.50 | 0.02 |
| LA0107719 | 001 | Nalco Company | 0.03 | 6.00 | 1.50 |
| LA0107719 | 002 | Nalco Company | 0.0002 | 7.50 | 0.01 |
| LA0108685 | 002 | Andrews Transports | 0.0005 | 7.50 | 0.03 |
| LA0114324 | 001 | Community Coffee Co., LLC | 0.002 | 7.50 | 0.13 |
| LAG110020 | 001 | Construction Specialists | 0.002 | 7.50 | 0.13 |
| LAG380068 | 003 | Iberville Par Waterworks | 0.005 | 7.50 | 0.31 |
| LAG480154 | 001 | Diamond Plastics Corp | 0.00084 | 7.50 | 0.05 |
| LAG480189 | 001 | Reliant Technologies | 0.000072 | 7.50 | 0.00 |
| LAG480217 | 004 | Southern Scrap Xpress | 0.000309 | 7.50 | 0.02 |
| LAG480441 | 002 | Wal-Mart Stores, Inc. | 0.005 | 7.50 | 0.31 |
| LAG480540 | 001 | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 0.00083 | 7.50 | 0.05 |
| LAG480540 | 002 | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 0.00083 | 7.50 | 0.05 |
| LAG530594 | 001 | Waffle House #1016 | 0.005 | 7.50 | 0.31 |
| LAG530620 | 001 | Ourso Trailer Park Brusly | 0.005 | 7.50 | 0.31 |
| LAG531026 | 001 | Brusly Apts | 0.002 | 7.50 | 0.13 |
| LAG531056 | 001 | Greater Baton Rouge Port Commission | 0.0005 | 7.50 | 0.03 |
| LAG531056 | 002 | Greater Baton Rouge Port Commission | 0.0005 | 7.50 | 0.03 |
| LAG531095 | 001 | Lyons Specialty Co., Inc. | 0.003162 | 7.50 | 0.20 |

**Table 6-17. (continued)**

| NPDES permit number | Outfall | Facility name | Flow (mgd) | Org N (mg/L) | Org N (lb/d) |
|---|---|---|---|---|---|
| LAG531167 | 001 | Leo Wallace Daiquiries | 0.00105 | 7.50 | 0.07 |
| LAG531168 | 001 | Lucky Dollar Casino | 0.005 | 7.50 | 0.31 |
| LAG531169 | 001 | Port Allen Inn Suites | 0.0048 | 7.50 | 0.30 |
| LAG531231 | 001 | Poplar Grove Chapel Missionary Baptist Church | 0.005 | 7.50 | 0.31 |
| LAG531362 | 001 | LA DOTD | 0.0025 | 7.50 | 0.16 |
| LAG531616 | 001 | Thomas Pipe & Steel, LLC | 0.0003 | 7.50 | 0.02 |
| LAG531756 | 001 | Dollar Distributing, Inc. | 0.0041 | 7.50 | 0.26 |
| LAG532260 | 003 | Distribution International | 0.005 | 7.50 | 0.31 |
| LAG532260 | 101 | Distribution International | 0.0006 | 7.50 | 0.04 |
| LAG532260 | 102 | Distribution International | 0.0015 | 7.50 | 0.09 |
| LAG540359 | 001 | Best Western Magnolia Manor | 0.016525 | 7.50 | 1.03 |
| LAG540627 | 001 | S&R Mobile Home Park | 0.015 | 7.50 | 0.94 |
| LAG540786 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Oak Alley Subdivision | 0.0156 | 7.50 | 0.98 |
| LAG540921 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Brittany Estates | 0.006 | 7.50 | 0.38 |
| LAG540994 | 001 | Chinese Inn | 0.00575 | 7.50 | 0.36 |
| LAG540998 | 001 | West Baton Rouge Work Release Ctr | 0.00974 | 7.50 | 0.61 |
| LAG541105 | 001 | Cash's Casino, Inc. | 0.00908 | 7.50 | 0.57 |
| LAG560147 | 001 | West Baton Rouge Natural Gas And Water Systems - Riverside Dr | 0.035 | 5.00 | 1.46 |
| LAG560191 | 001 | West Baton Rouge Ph Nat Gas & Wtr | 0.036 | 5.00 | 1.50 |
| LAG560192 | 001 | Timberlane Trailer Park Oxidation Pond | 0.0384 | 5.00 | 1.60 |
| LAG560237 | 001 | West Baton Rouge Parish - Freeman Lane WWTP | 0.025 | 5.00 | 1.04 |
| LAG570151 | 001 | West Baton Rouge Nat Gas And Wtr - Fairview Estates Subdivision | 0.09 | 2.50 | 1.88 |
| LAG570355 | 001 | West Baton Rouge Parish Utilities, Beaulieu STP No. 1 | 0.025 | 2.50 | 0.52 |
| LAG570356 | 001 | Choctaw MHP, LLC | 0.0609 | 2.50 | 1.27 |
| LAG750188 | 002 | Corps of Engineers - Bayou Sorrel Lock | 0.00008 | 7.50 | 0.01 |
| | | Total | 1.127 | -- | 149.22 |

**Table 6-18. Summary of WLAs for MS4s in the upper Terrebonne Basin**

| Subsegment | Urban Area (UA) | NPDES | MS4 area (acres) | Pollutant | MS4 (lb/d) |
|---|---|---|---|---|---|
| 120103 | Port Allen | LAR0410102 | 1,405.01 | BOD | 97.89 |
| 120103 | Port Allen | LAR0410102 | 1,405.01 | Organic nitrogen | 10.02 |
| 120103 | Port Allen | LAR0410102 | 1,405.01 | Ammonia | 13.83 |
| 120103 | Port Allen | LAR0410102 | 1,405.01 | SOD | 63.34 |
| 120109 | Port Allen | LAR0410102 | 425.60 | BOD | 44.61 |
| 120109 | Port Allen | LAR0410102 | 425.60 | Organic nitrogen | 14.24 |
| 120109 | Port Allen | LAR0410102 | 425.60 | Ammonia | 1.25 |
| 120109 | Port Allen | LAR0410102 | 425.60 | SOD | 107.90 |

### *6.1.1 Seasonal Variation*

Critical conditions for dissolved oxygen in Louisiana waterbodies have been determined to be the following: negligible nonpoint runoff and low stream flow combined with high water

temperatures. Oxygen-demanding substances can enter a water system during high flows and settle to the bottom, where they exert a large oxygen demand during the high-temperature/low-flow seasons. Water temperature is one of the leading factors that affect dissolved oxygen in the three segments. High water temperatures lower the dissolved oxygen saturation concentration, decreasing the amount of dissolved oxygen that the stream can contain. In addition, high temperature increases CBOD decay and SOD. Therefore, it is most important to develop a TMDL to address the high-water-temperature conditions.

### *6.1.2 Sensitivity Analysis*

A sensitivity analysis was performed on the model parameters using the sensitivity function built into LA-QUAL. LA-QUAL automatically changed the requested parameters by a set amount while keeping all other parameters constant. The calibration scenario was used as the baseline for the sensitivity analysis. For the analysis, all parameters were varied by ±30 percent. The results for dissolved oxygen and BOD are shown in Table 6-19. Result plots are shown in Appendix K. Changes to the stream reaeration, stream velocity, and background SOD had the largest influence on dissolved oxygen levels. Stream dispersion had no effect on dissolved oxygen.

**Table 6-19. Results of sensitivity analysis**

| | | BOD (mg/L) | | | | | | DO (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BOD aerobic decay rate | BOD settling rate | Stream dispersion | Stream reaeration | Background SOD | Stream velocity | BOD aerobic decay rate | BOD settling rate | Stream dispersion | Stream reaeration | Background SOD | Stream velocity |
| 120102 | -30% | 27.42 | 26.12 | 26.12 | 26.15 | 26.13 | 24.36 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| | base | 26.12 | 26.12 | 26.12 | 26.12 | 26.12 | 26.12 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| | 30% | 24.89 | 26.12 | 26.12 | 26.11 | 26.12 | 27.12 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 120103 | -30% | 7.16 | 6.64 | 6.64 | 6.64 | 6.64 | 6.01 | 2.77 | 2.06 | 2.06 | 1.59 | 2.94 | 1.84 |
| | base | 6.64 | 6.64 | 6.64 | 6.64 | 6.64 | 6.64 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 |
| | 30% | 6.19 | 6.64 | 6.64 | 6.64 | 6.64 | 7.03 | 1.74 | 2.06 | 2.06 | 2.81 | 1.65 | 2.37 |
| 120105 | -30% | 9.26 | 6.84 | 6.84 | 6.84 | 6.84 | 4.90 | 2.10 | 2.10 | 2.10 | 2.09 | 2.10 | 2.10 |
| | base | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 |
| | 30% | 5.36 | 6.84 | 6.84 | 6.84 | 6.84 | 8.58 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 |
| 120106 | -30% | 4.93 | 4.9 | 4.93 | 4.93 | 4.93 | 4.93 | 3.75 | 2.70 | 2.70 | 1.67 | 3.01 | 2.92 |
| | base | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| | 30% | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 1.91 | 2.70 | 2.70 | 3.51 | 2.39 | 2.74 |
| 120107 | -30% | 9.58 | 7.89 | 7.89 | 7.89 | 7.89 | 5.98 | 3.30 | 3.07 | 3.07 | 2.27 | 3.30 | 2.91 |
| | base | 7.89 | 7.89 | 7.89 | 7.89 | 7.89 | 7.89 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 |
| | 30% | 6.49 | 7.89 | 7.89 | 7.89 | 7.89 | 9.16 | 2.55 | 3.07 | 3.07 | 3.30 | 2.58 | 3.26 |

**Table 6-19. (continued)**

| | | BOD (mg/L) | | | | | | DO (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BOD aerobic decay rate | BOD settling rate | Stream dispersion | Stream reaeration | Background SOD | Stream velocity | BOD aerobic decay rate | BOD settling rate | Stream dispersion | Stream reaeration | Background SOD | Stream velocity |
| 120109 | -30% | 2.13 | 1.74 | 1.74 | 1.74 | 1.74 | 1.32 | 2.26 | 2.06 | 2.06 | 1.34 | 2.62 | 2.59 |
| | base | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 |
| | 30% | 1.43 | 1.74 | 1.74 | 1.74 | 1.74 | 2.03 | 2.02 | 2.06 | 2.06 | 2.96 | 1.70 | 1.86 |
| 120110 | -30% | 4.65 | 4.62 | 4.62 | 4.62 | 4.62 | 4.59 | 4.10 | 4.10 | 4.10 | 3.85 | 4.10 | 4.10 |
| | base | 4.62 | 4.62 | 4.62 | 4.62 | 4.62 | 4.62 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 |
| | 30% | 4.60 | 4.62 | 4.62 | 4.62 | 4.62 | 4.64 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 |

### *6.1.3 Ammonia Toxicity Analysis*

An analysis was performed on the model input and modeled results to determine whether the modeled ammonia concentrations exceeded EPA criteria for ammonia toxicity (USEPA 1999). The EPA criteria are dependent on temperature and pH. Temperature was taken from the model output. Because pH is not included in the model, it was obtained from levels observed during the July 2006 monitoring event. The resulting criteria and the model-predicted ammonia concentrations are presented in Table 6-20. To obtain concentrations below the EPA ammonia toxicity, a WLA for ammonia was reduced. The ammonia loading from the Alma Plantation (LA0003034—subsegment 120102) was reduced. The WLA for this facility can be seen in Table 6-4. With this reduction, ammonia toxicity criteria will not be exceeded during critical conditions. These results do not require ammonia or organic nitrogen permit limits for the permits included in this document. If LDEQ determines there is no reasonable potential for a discharger to exceed the ammonia or organic nitrogen WLAs, then a permit may omit these parameters and still comply with this TMDL. The ammonia toxicity calculations are included in Appendix L.

**Table 6-20. Predicted ammonia concentration and calculated critical criteria**

| | Predicted ammonia (mg/L) | | Calculated critical criteria (mg/L) | |
|---|---|---|---|---|
| Subsegment | Minimum | Maximum | Minimum | Maximum |
| 120102 | 1.16 | 1.25 | 1.68 | 1.68 |
| 120103 | 0.08 | 1.13 | 0.48 | 1.93 |
| 120105 | 0.05 | 1.17 | 1.32 | 1.32 |
| 120106 | 0.00 | 0.42 | 0.62 | 0.62 |
| 120107 | 0.00 | 0.07 | 1.87 | 1.87 |
| 120109 | 0.02 | 0.05 | 1.37 | 1.74 |
| 120110 | 0.01 | 0.07 | 1.61 | 1.61 |

## 6.2 Nutrient TMDLs

Nutrients can enter a water system through surface runoff. Once they are in the environment, the most recognizable effect is algae blooms. The buildup of nutrients that leads to the blooms can

occur over time even if the effects are not noticed in the short term. When algae die, the result is increased oxygen demand, which is detrimental to aquatic life.

The state's nutrient criteria are narrative and include the following language (LDEQ 2007):

> The naturally occurring range of nitrogen-phosphorous ratios shall be maintained. This range shall not apply to designated intermittent streams. To establish the appropriate range of ratios and compensate for natural seasonal fluctuations, the administrative authority will use site-specific studies to establish limits for nutrients. Nutrient concentrations that produce aquatic growth to the extent that it creates a public nuisance or interferes with designated water uses shall not be added to any surface waters.

To accomplish this, water quality data were collected from non-nutrient impaired subsegments in the Terrebonne Basin. The data included total phosphorus, nitrate+nitrite, and TKN. The nitrate+nitrite and TKN were summed to obtain the total nitrogen concentration. Table 6-21 presents the average concentrations by monitoring location for the non-impaired subsegments. The minimum, mean, and maximum are presented for total phosphorus and total nitrogen.

**Table 6-21. Nutrient concentrations in non-impaired subsegments**

| Subsegment | Subsegment name | Site ID | Total P (mg/L) | NO2+NO3 (mg/L) | TKN (mg/L) | Total N (mg/L) | Total N/ total P ratio |
|---|---|---|---|---|---|---|---|
| 120107 | Upper Grand River and Lower Flat River | 973 | 0.22 | 0.82 | 0.93 | 1.75 | 7.95 |
| 120108 | False River | 335 | 0.33 | 0.17 | 1.44 | 1.60 | 4.85 |
| 120110 | Bayou Cholpe | 976 | 0.22 | 0.17 | 0.97 | 1.14 | 5.18 |
| 120206 | Grand Bayou and Little Grand Bayou | 82 | 0.52 | 0.37 | 1.39 | 1.76 | 3.38 |
| | | Minimum | 0.22 | 0.17 | 0.93 | 1.14 | 3.38 |
| | | Mean | 0.32 | 0.38 | 1.18 | 1.56 | 5.34 |
| | | Maximum | 0.52 | 0.82 | 1.44 | 1.76 | 7.95 |

The data in Table 6-21 were compared with the observed data for the nutrient-impaired subsegments in Table 6-22. The total nitrogen to total phosphorus ratio and mean concentrations in the nutrient listed subsegments are within the ratio and concentration ranges for the non-impaired subsegments. Because of this, no nutrient reductions were necessary for the subsegments listed in Table 6-22.

**Table 6-22. Nutrient concentrations in the impaired subsegments in the upper Terrebonne Basin**

| Subsegment | Subsegment name | Total P (mg/L) | NO2+NO3 (mg/L) | TKN (mg/L) | Total N (mg/L) | Total N/ total P ratio |
|---|---|---|---|---|---|---|
| 120102 | Bayou Poydras | 0.30 | 0.25 | 1.22 | 1.44 | 4.80 |
| 120103 | Bayou Choctaw | 0.24 | 0.32 | 1.01 | 1.31 | 5.46 |
| 120105 | Chamberlin Canal | 0.32 | 0.23 | 1.24 | 1.47 | 4.59 |
| 120106 | Bayou Plaquemine | 0.26 | 0.53 | 0.90 | 1.38 | 5.31 |
| 120109 | Intracoastal Waterway | 0.27 | 0.96 | 0.80 | 1.76 | 6.52 |

Because of the lack of flow data for the Terrebonne Basin, the monthly water yield (runoff in millimeters) was used to obtain TMDL loadings. The monthly water yields for the Central and South-central Climate Divisions were obtained from the Louisiana Office of State Climatology. The monthly water yield was divided by the number of days in the month to obtain runoff intensity (Table 6-23).

**Table 6-23. Average water yields for climate divisions in the Terrebonne Basin**

| Climate division | Yearly average monthly water yield (millimeters) | Subsegments represented |
|---|---|---|
| Central | 2.337 | 120102, 120103, 120105, 120109 |
| South-central | 2.378 | 120106 |

The nutrient TMDLs are presented in Table 6-24. The water yield was used with the mean reference stream concentration to determine the LA portion of the TMDL. Because no reductions to nutrients were required, it is assumed that the point sources may continue to discharge at their current concentration level of nutrients and not make any deleterious effect on water quality. Any increase in nutrient effluent concentrations could require additional monitoring and modeling and a revision to this TMDL.

**Table 6-24. Summary of TMDLs for nutrients in the upper Terrebonne Basin**

| Subsegment | ∑ WLA (lb/d) | ∑ LA (lb/d) | MOS | FG (10%) (lb/d) | Total allowable loading (lb/d) | Percent reduction |
|---|---|---|---|---|---|---|
| **Total phosphorus** | | | | | | |
| 120102 | 0.000 | 0.146 | Implicit | 0.016 | 0.162 | 0.0 |
| 120103 | 0.000 | 0.373 | Implicit | 0.041 | 0.414 | 0.0 |
| 120105 | 0.000 | 0.276 | Implicit | 0.031 | 0.307 | 0.0 |
| 120106 | 0.000 | 0.017 | Implicit | 0.002 | 0.019 | 0.0 |
| 120109 | 0.000 | 0.430 | Implicit | 0.048 | 0.478 | 0.0 |
| **Total nitrogen** | | | | | | |
| 120102 | 0.000 | 0.709 | Implicit | 0.079 | 0.788 | 0.0 |
| 120103 | 0.000 | 1.809 | Implicit | 0.201 | 2.010 | 0.0 |
| 120105 | 0.000 | 1.342 | Implicit | 0.149 | 1.491 | 0.0 |
| 120106 | 0.000 | 0.083 | Implicit | 0.009 | 0.092 | 0.0 |
| 120109 | 0.000 | 2.086 | Implicit | 0.232 | 2.317 | 0.0 |

# 7 FUTURE ACTIVITIES

## 7.1 TMDL Implementation Strategies

EPA Region 6 has funded a use attainability assessment (UAA) study for the *Development of Site-Specific Dissolved Oxygen Criteria for the Terrebonne Basin, Louisiana*. On January 31, 2008, the contractor (Tetra Tech, Inc.) submitted a draft report for EPA's review. In addition, the state is involved in analyzing available data for the Barataria and Terrebonne basin waters to evaluate and possibly revise the existing dissolved oxygen criterion.

Once LDEQ adopts and EPA approves the revised dissolved oxygen criteria, LDEQ will reassess the 303(d) listed subsegments for dissolved oxygen and nutrients in the Terrebonne Basin. If the reassessment of a subsegment indicates a subsegment is not impaired on the basis of revised criteria, if appropriate, the dissolved oxygen and nutrients TMDLs may be withdrawn, and EPA will publish a public notice. If the reassessment of a subsegment indicates that the subsegment is impaired on the basis of the revised criteria, if appropriate, the dissolved oxygen and nutrients TMDLs may be revised, and EPA will publish a public notice.

Reasonable assurance is needed that the water quality criterion will be attained. As a first step to implement these dissolved oxygen and nutrients TMDLs, it is recommended that LDEQ complete a reassessment of the 303(d)-listed subsegments in the Terrebonne Basin using the new adopted dissolved oxygen criteria to verify if the subsegment is not impaired or still considered impaired. WLAs will be implemented through Louisiana Pollutant Discharge Elimination System (LPDES) permit procedures. Part of the LAs might be implemented through the LDEQ 305(b) program and set priorities for the Clean Water Act section 319 program. BMPs from the implementation plan will be implemented throughout the subsegment. This approach will reduce the loadings and improve dissolved oxygen levels in the subsegment and subsequent downstream subsegments.

Hurricane Katrina made landfall on Monday, August 29, 2005, as a Category 4 hurricane. The storm brought heavy winds and rain to southeast Louisiana, breaching several levees and flooding up to 80 percent of New Orleans and large areas of coastal Louisiana. Both Hurricanes Katrina and Rita have caused a significant amount of change in sedimentation and water quality in southern Louisiana. Many wastewater treatment facilities were temporarily or permanently damaged. Some wastewater treatment facilities will be rebuilt; others will be relocated. Several federal and state agencies, including EPA and LDEQ, are engaged in collecting environmental data and assessing the recovery of the Gulf of Mexico waters.

The proposed TMDLs in this report were developed on the basis of pre- and post-hurricane water quality conditions. Some point sources in this TMDL have been updated with post-hurricane information, where available. Post-hurricane water quality conditions and other factors could delay the implementation of these proposed TMDLs, render some proposed TMDLs obsolete, or require modifications of the TMDLs. Although hurricane effects may be valid for some TMDLs, any deviation from the TMDLs should be justified using site-specific data or information.

## 7.2 Environmental Monitoring Activities

LDEQ uses funds provided under section 106 of the Clean Water Act and under the authority of the Louisiana Environmental Quality Act to run a program for monitoring the quality of Louisiana's surface waters. The LDEQ Surveillance Section collects surface water samples at various locations using appropriate sampling methods and procedures to ensure the quality of the data collected. The objectives of the surface water monitoring program are to determine the quality of the state's surface waters, to develop a long-term database for water quality trend analysis, and to monitor the effectiveness of pollution controls. The data obtained through the surface water monitoring program are used to develop the state's biennial section 305(b) report (*Water Quality Inventory*) and section 303(d) list of impaired waters.

LDEQ has implemented a watershed approach to surface water quality monitoring. Through the approach, the entire state is sampled on a 4-year cycle. Long-term trend monitoring sites at various locations on the large rivers and Lake Pontchartrain are sampled throughout the 4-year cycle. Sampling is conducted monthly to yield approximately 12 samples per site during each year the site is monitored. Sampling sites are located where they are considered representative of the waterbody. Under the current monitoring schedule, approximately one-half of the state's waters are newly assessed for section 305(b) and section 303(d) listing purposes during each biennial cycle; sampling occurs statewide each year. The 4-year cycle follows an initial 5-year rotation that covered all basins in the state according to the TMDL priorities.

Monitoring will allow LDEQ to determine whether there has been any improvement in water quality following TMDL implementation. As the monitoring results are evaluated at the end of each year, waterbodies might be added to or removed from the section 303(d) list of impaired waterbodies.

# 8 PUBLIC PARTICIPATION

Federal regulations require EPA to notify the public and seek comments concerning TMDLs that the Agency prepares. These TMDLs were developed under contract to EPA, and EPA held a public review period seeking comments, information, and data from the public and any other interested parties. The notice for the public review period was published in the *Federal Register* on October 25, 2007, and the review period closed on November 26, 2007.

LDEQ submitted the only comments received during the public comment period. Comments and additional information submitted during this public comment period were used to inform or revise this TMDL document. The comments and responses to these TMDLs, along with comments on similar TMDLs with the same public review period, will be included in the document: *EPA Responses to Comments for Dissolved Oxygen, Nutrients, pH, and Mercury TMDLs in the Red River, Sabine River, and Terrebonne Basins, Louisiana.*

EPA will submit the final TMDLs to LDEQ for implementation and incorporation into LDEQ's current water quality management plan.

## REFERENCES

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# APPENDIX A:
# POINT SOURCE DISCHARGE INFORMATION FOR THE UPPER TERREBONNE BASIN

Table A-1. Point source discharge information for BOD for subsegment 120102 ..... 2
Table A-2. Point source discharge information for DO for subsegment 120102 ..... 3
Table A-3. Point source discharge information for BOD for subsegment 120103 ..... 3
Table A-4. Point source discharge information for BOD for subsegment 120105 ..... 6
Table A-5. Point source discharge information for BOD for subsegment 120106 ..... 6
Table A-6. Point source discharge information for CBOD for subsegment 120106..... 7
Table A-7. Point source discharge information for DO for subsegment 120106 ..... 7
Table A-8. Point source discharge information for ammonia for subsegment 120106..... 7
Table A-9. Point source discharge information for BOD for subsegment 120109 ..... 7
Table A-10. Point source discharge information for ammonia for subsegment 120109..... 11

**Table A-1. Point source discharge information for BOD for subsegment 120102**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LA0003034 | 001 | Alma Plantation, Ltd - Pointe County | 4612 Alma Rd; Lakeland | Bayou Poydras | 17 (average) 15 (maximum) | 10 (monthly ave) 15 (daily max) |
| LA0003034 | 003 | Alma Plantation, Ltd - Pointe County | 4612 Alma Rd; Lakeland | Bayou Poydras | 14 (average) 15 (maximum) | 10 (monthly ave) 15 (daily max) |
| LAG531203 | 001 | Jannet's Trailer Park | 5552 Flynn Rd; Port Allen | Bayou Poydras | 0.003 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG531500 | 001 | Hidden Oaks Mobile Home | 7200 Rougon Rd; Port Allen | Stumpy Bayou - Bayou Choctaw | 0.0045 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG531697 | 001 | Iberville Parish Council | 12419 Section Rd; Erwinville | Local Route - Bayou Poydras | 0.00074 (average) 0.0025 (maximum) | 45 (weekly ave) |
| LAG531903 | 001 | Dollar Variety, LLC | 12480 Hwy 190 W; Port Allen | Bayou Poydras | 0.00006 (average) 0.0025 (maximum) | 45 (weekly ave) |
| LAG531990 | 001 | Club Combination | 12496 Maple St; Port Allen | ditch - Bayou Poydras | 0.001635 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG540069 | 001 | 190 Quick Mart, Inc. | 12724 Hwy 190 W; Erwinville | Bayou Poydras | 0.003017 (average) 0.025 (maximum) | 45 (weekly ave) |
| LAG540785 | 001 | West Baton Rouge Ph Nat Gas & Water | On Hwy 190; Erwinville | Bayou Poydras | 0.012 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540858 | 001 | Ewing's of New Roads, Inc. | 12610 Hwy 190 W; Erwinville | Bayou Poydras | 0.00636 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540898 | 001 | State Capitol Dragway NHRA | 11436 Hwy 190 W; Port Allen | Bayou Poydras | 0.04 (average) 0.05 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG750164 | 001 | V&G Laundry | Along Hwy 620; Erwinville | Stumpy Bayou | 0.0001 (average) | 45 (weekly ave) |

**Table A-2. Point source discharge information for DO for subsegment 120102**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | DO (mg/L) |
|---|---|---|---|---|---|---|
| LA0003034 | 001 | Alma Plantation Ltd - Pointe County | 4612 Alma Rd; Lakeland | Bayou Poydras | 17 (average) 15 (maximum) | 4 (monthly ave) 3 (daily max) |
| LA0003034 | 003 | Alma Plantation Ltd - Pointe County | 4612 Alma Rd; Lakeland | Bayou Poydras | 14 (average) 15 (maximum) | 4 (monthly ave) 3 (daily max) |

**Table A-3. Point source discharge information for BOD for subsegment 120103**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LA0103586 | 001 | Basf Catalysts, LLC - Port Allen Works | 3502 S Riverview Dr; Port Allen | Choctaw Bayou - Brousssard Bayou | 0.0012 (average) | 45 (weekly ave) |
| LA0117773 | 001 | Fluker's Cricket Farm, Inc. | 1333 Plantation Ave; Port Allen | Choctaw Bayou | 0.003 (average) | 45 (weekly ave) |
| LA0117773 | 002 | Fluker's Cricket Farm, Inc. | 1333 Plantation Ave; Port Allen | Choctaw Bayou | 0.0006 (average) | 45 (daily max) |
| LAG480101 | 001 | United ANCO Insulations, Inc. | 950 MAHAFFEY RD; Port Allen | ICWW | 0.0015 (maximum) | 45 (weekly ave) |
| LAG480165 | 001 | TMI Enterprise, LLC | 624 Hwy 190 W ; Port Allen | ICWW | 0.000952 (maximum) | 45 (weekly ave) |
| LAG480175 | 001 | Specialty Application Services, Inc. - Port Allen Facility | 1331 Hwy 190 W; Port Allen | ICWW | 0.00006 (average) | 45 (weekly ave) |
| LAG480179 | | Oil Mop, LLC | 5227 N River Rd; Port Allen | Bayou Choctaw-ICWW | 0.0004 (maximum) | 45 (weekly ave) |
| LAG480182 | 001 | Industrial Parts Specialties | 630 Lot Rd; Port Allen | local drainage - Broussard Bayou | 0.0015 (average) | 45 (weekly ave) |
| LAG480386 | | Westside Galvanizing Svcs | 3520 S Riverview; Port Allen | Broussard Bayou - ICWW | 0.0008 (average) | 45 (weekly ave) |
| LAG480404 | | Asphalt Products Unlimited | 4675 Interstate Hwy; Port Allen | ditch - Choctaw Bayou | 0.0001 (maximum) | 45 (weekly ave) |
| LAG480538 | 001 | Shaw SSS Fabricators, Inc. | 7012 Hwy 1 S; Addis | ditch - Bayou Bourbeaux - Bull Bay -Bayou Choctaw | 0.0005 (average) 0.0025 (maximum) | 45 (weekly ave) |
| LAG480538 | 002 | Shaw SSS Fabricators, Inc. | 7012 Hwy 1 S; Addis | ditch - Bayou Bourbeaux - Bull Bay -Bayou Choctaw | 0.0015 (average) 0.0025 (maximum) | 45 (weekly ave) |

**Table A-3. (continued)**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LAG530126 | | Garman LLC | 111 Lobdell Hwy; Port Allen | ditch - Parish Canal - Choctaw Bayou | 0.005 (maximum) | 45 (weekly ave) |
| LAG530361 | 001 | MCBR Management Co, Inc. - McDonald's Restaurant | 150 Lobdell Hwy, I-10 @ LA 76; Port Allen | ditch - Bayou Choctaw | 0.005 (maximum) | 45 (weekly ave) |
| LAG530639 | | Westerner Motel | 1615 Hwy 190; Port Allen | Bayou Choctaw | 0.005 (maximum) | 45 (weekly ave) |
| LAG531054 | | Heyman-Moore Transport, Inc. | 4115 I-10 Frontage Rd; Port Allen | ditch - Alligator Bayou - ICWW | 0.005 (maximum) | 45 (weekly ave) |
| LAG531121 | | Waffle House Miller Properties | 112 Lobdell Hwy; Port Allen | ICWW | 0.00255 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG531384 | | Bergeron's Boudin & Cajun | 760 Lobdell Hwy; Port Allen | ICWW | 0.00036 (average) | 45 (weekly ave) |
| LAG531623 | | Circle K, Inc. | 1432 Hwy 190 W; Port Allen | ditch - Bayou Broussard -ICWW | 0.00091 (maximum) | 45 (weekly ave) |
| LAG531726 | | American General Investments - Cracker Barrel | 133 Lobdell Hwy; Port Allen | ditch - Choctaw Bayou | 0.0015 (maximum) | 45 (weekly ave) |
| LAG540027 | | Krawdaddys Deli & Restaurant | 1680 Lobdell Hwy; Port Allen | ICWW | 0.01444 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540089 | | 415 Trailer Park | 2022 Lobdell Hwy; Port Allen | ICWW | 0.00925 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540205 | | Cajun Country Campground, Inc. | 4667 Rebelle Ln; Port Allen | Bud Major Canal - Bayou Choctaw | 0.00975 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540264 | | Days Inn of Port Allen | 215 Lobdell Hwy; Port Allen | Choctaw Bayou | 0.01835 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540342 | | West Baton Rouge Parish Work Release Gulf Coast Correct | 1155 N West Dr; Port Allen | Bayou Broussard - Bayou Choctaw | 0.009 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG540387 | 001 | Iberville Ph School Board | 59595 Belleview Rd; Plaquemine | ditch - Logging Canal - Bayou Choctaw | 0.01502 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG540510 | | Hari Ohm Hospitality, Inc. | 131 Lobdell Hwy; Port Allen | canal - Choctaw Bayou - ICWW | 0.0072 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |

**Table A-3. (continued)**

| | | | | | | |
|---|---|---|---|---|---|---|
| LAG540584 | | Pointe Coupee Sew Svc | Hwy 416, 10 M SE of New Roads; Glynn | Stumpy Bayou - Bayou Choctaw | 0.0236 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540775 | | W Baton Rouge Ph School Board | 11851 N River Rd (Hwy 415; Chamberlain | Chamberlin - Canal - Choctaw Bayou – ICWW | 0.0068 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG540851 | | Acadian Mobile Home Park | 10233 N River Rd; Port Allen | drainage - Choctaw Bayou | 0.00432 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540856 | | West Baton Rouge Par Sch Bd | 3553 Rosedale Rd; Port Allen | Drainage - B. Choctaw | 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG541036 | 001 | West Baton Rouge Auto Salvage - Wrecker & LaComb's Trailer Park | 6937 Hwy 190 W; Port Allen | ditch - Club Canal - Bayou Choctaw | 0.0069 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG541051 | | Sunrise Village Mobile Home Park - Izzy & Elliot, LLC | 1812 S Winterville Rd; Port Allen | ditch - Choctaw Bayou | 0.0108 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG541218 | | Legacy Trailer Park | 3824 Kahns Rd; Port Allen | local drainage - Broussard Bayou | 0.0075 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG541313 | | Mo-Dad Utilities, LLC - West Lake Subdivision | Rebelle Ln, off Rosedale Rd (Hwy 76); Port Allen | ditch - Alligator Bayou - ICWW | 0.0248 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG560148 | | West Baton Rouge Par Nat Gas & Wtr - Blanchard Estates | 4892 Edmonton Ave; Port Allen | ditch-Blanchard Can-Bay Choctaw | 0.01095 (average) 0.04 (design) | 20 (monthly ave) 30 (weekly ave) |
| LAG560149 | | West Baton Rouge Parish Police Detention and Law Enforcement Center | 1150 Northwest Dr; Port Allen | Broussard Bayou – ICWW | 0.032434 (average) 0.05 (maximum) | 20 (monthly ave) 30 (weekly ave) |
| LAG560189 | | West Baton Rouge Par Utilities Dept - Roseland Trace Subd | 4500 Rosedale Rd; Port Allen | drainage ditch - Choctaw Bayou - ICWW | 0.019 (average) 0.030 (design) | 20 (monthly ave) 30 (weekly ave) |
| LAG570331 | | West Baton Rouge Natural Gas and Water Systems - Mulatto Bend WWTF | 3941 S. Mulatto Bend Rd; Port Allen | Broussard Bayou - ICWW | 0.006382 (average) 0.03 (design) | 15 (monthly ave) 23 (weekly ave) |
| LAG750279 | | Hulcher SVC INC | 3505 LA 1 North; Port Allen | Hwy 1 ditch - drainage canal - ICWW | 0.00006 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG750453 | | Louisiana Scrap Metal | 991 Hwy 190 W; Port Allen | ditch - Bayou Broussard | 0.0008 | 45 (weekly ave) |

**Table A-4. Point source discharge information for BOD for subsegment 120105**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LA0121185 | 002 | Air Liquide America Lp | 7425 Hwy 190 W; Port Allen | local drainage - Tiger Bayou - Choctaw Bayou - ICWW | 0.00002 (average) | 45 (weekly ave) |
| LAG530786 | 001 | West Baton Rouge Par Sch Bd - Chamberlin Elem. School | 6024 Section Rd; Port Allen | local drain - Chamberlain Canal | 0.005 (average) | 45 (weekly ave) |
| LAG540581 | 001 | Pointe Coupee Ph School Board - Rougon Elementary School | 13258 LA Hwy 416; Rougon | Stumpy Bayou | 0.014 (design) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540775 | 001 | West Baton Rouge Par Sch Bd - Devall Middle School | 11851 North River Rd; Chamerberlin | ditch - Chamberlain Canal - Bayou Choctaw - ICWW | 0.0068 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG540783 | 001 | West Baton Rouge Ph Natural Gas & Wtr Sys - Ashland Plantation WWTP | End of Tuscaloosa Rd off Beuche Rd (Hwy 983); Port Allen | Tiger Bayou - Chamberlin Canal | 0.049 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG540784 | 001 | West Baton Rouge Comm Cntr | 5110 Rougon Rd, Hwys 984 & 620; Port Allen | Little Bayou Stumpy - Bayou Choctaw - ICWW | 0.005 (average) | 30 (monthly ave) 45 (daily max) |

**Table A-5. Point source discharge information for BOD for subsegment 120106**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LAG531065 | 001 | Iberville Parish Parks & Rec | 25300 Crescent Ln; Plaquemine | Bayou Plaquemine | 0.005 (maximum) | 45 (weekly ave) |
| LAG531912 | 001 | Eagle Warehouse | 58015 Industrial Blvd; Plaquemine | ditch - parish ditch - Plaquemine Bayou | 0.00004 (average) | 45 (weekly ave) |
| LAG531912 | 002 | Eagle Warehouse | 58015 Industrial Blvd; Plaquemine | ditch - parish ditch - Plaquemine Bayou | 0.00036 (average) | 45 (weekly ave) |
| LAG540102 | | Tesi-Green Acres | Talbot Dr. off LA 77; Plaquemine | ditch - Bayou Jacob - Bayou Plaquemine | 0.024 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540118 | 001 | River West Medical Ctr | 59355 River West Dr; Plaquemine | Bayou Plaquemine | 0.007777 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540384 | 001 | Crescent Elementary School | 62575 Keller; Plaquemine | Wilbert Canal - Lower Grand Riv | 0.0026 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG570359 | 001 | Iberville Parish Council - Patureau Lane Sewer | 61755 Bayou Rd; Plaquemine | ditch - Bayou Plaquemine | 0.065 (maximum) | 10 (monthly ave) 15 (weekly ave) |

**Table A-6. Point source discharge information for CBOD for subsegment 120106**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | CBOD (mg/L) |
|---|---|---|---|---|---|---|
| LA0020648 | 001 | Plaquemine, City of | 59000 W.W. Harleux Blvd; Plaquemine | Effluent Pipe - Bayou Plaquemine - Grand Bayou | 1.5 (maximum) | 10 (monthly ave) 15 (weekly ave) 125 lb/d (monthly ave) |

**Table A-7. Point source discharge information for DO for subsegment 120106**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | DO (mg/L) |
|---|---|---|---|---|---|---|
| LA0020648 | 001 | Plaquemine, City of | 59000 W.W. Harleux Blvd; Plaquemine | Effluent Pipe - Bayou Plaquemine - Grand Bayou | 1.5 (maximum) | 5 (monthly ave) |

**Table A-8. Point source discharge information for ammonia for subsegment 120106**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | NH3 (mg/L) |
|---|---|---|---|---|---|---|
| LA0020648 | 001 | Plaquemine, City of | 59000 W.W. Harleux Blvd; Plaquemine | Effluent Pipe - Bayou Plaquemine - Grand Bayou | 1.5 (maximum) | 4 (monthly ave) 8 (daily max) 50 lb/d (monthly ave) |

**Table A-9. Point source discharge information for BOD for subsegment 120109**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LA0047554 | 001 | Sid Richardson Carbon Co. | 5221 Sid Richardson Rd; Addis | drainage - Bayou Bourbeaux - Bayou Choctaw | 0.002 (average) | 45 (weekly ave) |
| LA0052124 | | Intercontinental Terminals Co. | 2449 N River Rd; Port Allen | unnamed canal - ICWW | 0.0005 (average) | 45 (weekly ave) |
| LA0068241 | | Brusly, Town of | end of Live Oak Dr; Brusly Landing | Choctaw Drainage Canal - ICWW | 0.22298 (average) 0.7 (maximum) | 10 (monthly ave) 15 (weekly ave) |
| LA0068501 | 001 | West Baton Rouge Ph-Westport | 1100 Lobdell Hwy S; Port Allen | unnamed ditch - ICWW | 0.4 (maximum) | 10 (monthly ave) 15 (weekly ave) |
| LA0080888 | 001 | Westway Trading Company - Port Allen Terminal | 1650 Ernest D Wilson Dr; Port Allen | local drainage - ICWW | 0.0001 (average) | 45 (weekly ave) |

**Table A-9. (continued)**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LA0080888 | 004 | Westway Trading Company - Port Allen Terminal | 1650 Ernest D Wilson Dr; Port Allen | local drainage - ICWW | 0.00005 (maximum) | 45 (daily max) |
| LA0083721 | 001 | Trinity Marine Products | 7555 Choctaw Rd; Brusly Landing | unnamed ditch - ICWW | 0.005 (average) | 45 (weekly ave) |
| LA0083721 | 002 | Trinity Marine Products | 7555 Choctaw Rd; Brusly Landing | unnamed ditch - ICWW | 0.0015 (average) | 45 (weekly ave) |
| LA0083721 | 003 | Trinity Marine Products | 7555 Choctaw Rd; Brusly Landing | unnamed ditch - ICWW | 0.01 (average) | 30 (monthly ave) 45 (weekly ave) |
| LA0085821 | 201 | EXXON Port Allen Lube Plant | 2230 Hwy 1 N; Port Allen | ICWW | 0.003 (average) | 45 (weekly ave) |
| LA0104159 | 001 | Trans Chem - Port Allen | 1259 Safe Energy Dr.; Port Allen | ICWW | 0.00034 (average) | 45 (weekly ave) |
| LA0107719 | 001 | Nalco Company | 2660 American Way; Port Allen | unnamed ditch into ICWW | 0.03 (average) | 9 lb/d (monthly ave) 23 lb/d (daily max) |
| LA0107719 | 002 | Nalco Company | 2660 American Way; Port Allen | unnamed ditch into ICWW | 0.0002 (average) | 45 (weekly ave) |
| LA0108685 | 002 | Andrews Transports | 1555 Beaulieu Ln; Port Allen | local drainage - Choctaw Basin Drainage Canal – ICWW | 0.0005 (average) | 45 (weekly ave) |
| LA0114324 | 001 | Community Coffee Co., LLC | 1833 Hwy 1 S; Port Allen | ditch - ICWW | 0.002 (average) | 45 (weekly ave) |
| LAG110020 | 001 | Construction Specialists | 3371 LA Hwy 1 North; Port Allen | ICWW | 0.002 (average) | 45 (weekly ave) |
| LAG380068 | | Iberville Par Waterworks | 65,200 Bellview Rd; Plaquemine | local drainage - Wilbert Canal – ICWW | 0.005 (maximum) | 45 (weekly ave) |
| LAG480154 | 001 | Diamond Plastics Corp | 59225 Hwy 1148; Plaquemine | drainage ditch - Wilbert Canal | 0.00084 (average) | 45 (weekly ave) |
| LAG480189 | 001 | Reliant Technologies | 2933 Hwy 1 North; Port Allen | local drainage - ICWW | 0.000072 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG480217 | 004 | Southern Scrap Xpress | 1367 Mahaffey Rd; Port Allen | ICWW | 0.000309 (average) | 45 (weekly ave) |

**Table A-9. (continued)**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LAG480441 | 002 | Wal-Mart Stores, Inc. | 2808 Court St; Port Allen | ditch - Broussard Bayou | 0.005 (maximum) | 45 (weekly ave) |
| LAG480540 | | US Dept of Energy Strategic Petroleum Reserve - Bayou Choctaw Storage Facility | 60825 B Hwy 1148; Plaquemine | ditch - Bull Bay - Choctaw Bayou | 0.00083 (average) | 45 (weekly ave) |
| LAG530594 | | Waffle House #1016 | 3163 Hwy 1 S; Port Allen | Choctaw Basin Drainage Canal - Port Allen Canal - ICWW | 0.005 (maximum) | 45 (weekly ave) |
| LAG530620 | | Ourso Trailer Park Brusly | off Michelle Dr, near Golf Club; Addis | local drain - ICWW | 0.005 (maximum) | 45 (weekly ave) |
| LAG531026 | 001 | Brusly Apts | 5143 Choctaw Rd; Brusly | unnamed ditch - ICWW | 0.002 (average) | 45 (weekly ave) |
| LAG531056 | 001 | Greater Btr Port Commission | 2707 North Line Rd; Port Allen | local drainage - Slackwater Canal | 0.0005 (average) | 45 (weekly ave) |
| LAG531056 | 002 | Greater Btr Port Commission | 2707 North Line Rd; Port Allen | local drainage - Slackwater Canal | 0.0005 (average) | 45 (weekly ave) |
| LAG531095 | 001 | Lyons Speciality Co, Inc. & Aa Vending | 2800 Hwy 1 North; Port Allen | effluent pipe - ICWW | 0.00316 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG531167 | 001 | Leo Wallace Daiquiries | 3067 Rosedale Rd; Port Allen | Broussard Bayou | 0.00105 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG531168 | 001 | Lucky Dollar Casino | 3053 Lobdell Hwy ; Port Allen | local drainage- ICWW - Bayou Plaquemine | 0.005 (maximum) | 45 (weekly ave) |
| LAG531169 | 001 | Port Allen Inn Suites | 3051 LA Hwy 1 S; Port Allen | LA Hwy 1 ditch - ICWW | 0.0048 (average) | 45 (weekly ave) |
| LAG531231 | | Poplar Grove Chapel Missionary Baptist Church | 2303 Court St; Port Allen | ICWW | 0.005 (maximum) | 45 (weekly ave) |
| LAG531362 | | LA DOTD | 64145 Bayou Jacob Rd; Plaquemine | Grand River | 0.0025 (maximum) | 45 (weekly ave) |
| LAG531616 | | Thomas Pipe & Steel, LLC | 2421 Northline Rd; Port Allen | Unnamed Ditch - Choctaw Basin - ICWW | 0.0003 (maximum) | 45 (weekly ave) |
| LAG531756 | | Dollar Distributing, Inc. | 4119 Hwy 1 S; Port Allen | unnamed ditch - ICWW - Mississippi River | 0.0041 (average) 0.005 (maximum) | 45 (weekly ave) |

**Table A-9. (continued)**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LAG532260 | 003 | Distribution International | 950 Mahaffey Rd; Port Allen | ICWW | 0.005 (maximum) | 45 (weekly ave) |
| LAG532260 | 101 | Distribution International | 950 Mahaffey Rd; Port Allen | ICWW | 0.0006 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG532260 | 102 | Distribution International | 950 Mahaffey Rd; Port Allen | ICWW | 0.0015 (average) 0.005 (maximum) | 45 (weekly ave) |
| LAG540359 | | Best Western Magnolia Manor | 234 Lobdell Hwy; Port Allen | unnamed ditch - ICWW | 0.016525 (average) | 30 (monthly ave) 45 (weekly ave) |
| LAG540627 | 001 | S&R Mobile Home Park | 6861 Hwy 1 S; Addis | Coulee Canal - Bayou Bourbeaux - ICWW | 0.015 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540786 | 001 | West Baton Rouge Ph Nat Gas & Wtr - Oak Alley Subdivision | 39 Lot Rural Subd; Port Allen | unnamed ditch - Aillet Canal - Parish Canal - ICWW | 0.0156 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540921 | | West Baton Rouge Ph Nat Gas & Wtr - Brittany Estates | 3826 Chatelain Dr; Port Allen | Aillet Canal - ICWW | 0.006 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540994 | 001 | Chinese Inn | 2763 Court St. ; Port Allen | ICWW | 0.00575 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG540998 | 001 | West Baton Rouge Work Release Ctr | 1155 Northwest Dr., Bldg B; Port Allen | parish ditch - ICWW | 0.00974 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG541105 | | Cash's Casino, Inc. | 420 Lobdell Hwy; Port Allen | ICWW | 0.00908 (average) 0.025 (maximum) | 30 (monthly ave) 45 (weekly ave) |
| LAG560147 | | West Baton Rouge Natural Gas And Water Systems - Riverside Dr | 2540 Riverside Dr; Port Allen | local drainage - Choctaw Basin Drainage Canal - ICWW | 0.035 (average) 0.05 (maximum) | 20 (monthly ave) 30 (weekly ave) |
| LAG560191 | 001 | West Baton Rouge Ph Nat Gas & Wtr | 4691 Hwy 1 S; Port Allen | hwy ditch - Choctaw Drainage - ICWW | 0.036 (maximum) | 20 (monthly ave) 30 (weekly ave) |
| LAG560192 | 001 | Timberlane Trailer Park Oxidation Pond | Off LA Hwy 1148, Behind Timberlane Tp; Plaquemine | local drainage - Wilbert Canal - ICWW | 0.0384 (average) 0.05 (maximum) | 20 (monthly ave) 30 (weekly ave) |
| LAG560237 | | West Baton Rouge Parish - Freeman Lane WWTP | Rev. Manuel Ln/ Freeman Ln; Port Allen | ICWW | 0.007 (average) 0.025 (design) | 20 (monthly ave) 30 (weekly ave) |

**Table A-9. (continued)**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | BOD (mg/L) |
|---|---|---|---|---|---|---|
| LAG570151 | 001 | West Baton Rouge Nat Gas And Wtr - Fairview Estates Subdivision | 4215 Hwy 1 S; Port Allen | ditch - Choctaw Basin Drainage Canal, ICWW | 0.09 (maximum) | 10 (monthly ave) 15 (weekly ave) |
| LAG570355 | 001 | West Baton Rouge Parish Utilities, Beaulieu Stp No. 1 | 3197 Hwy 1 S; Port Allen | parish ditch - Phillips Canal - unnamed ditch - Tombstone Canal | 0.0096 (average) 0.025 (design) | 10 (monthly ave) 15 (weekly ave) |
| LAG570356 | 001 | Choctaw Mhp, LLC | 59655 Hwy 1148; Plaquemine | unnamed ditch - Wilbert's Canal - ICWW | 0.0609 (average) | 10 (monthly ave) 15 (weekly ave) |
| LAG750188 | | Corps of Engineers - Bayou Sorrel Lock | 34505 Bayou Sorrel Rd; Plaquemine | GIWW Bayou Sorrel | 0.00008 (average) | 45 (weekly ave) |

**Table A-10. Point source discharge information for ammonia for subsegment 120109**

| NPDES permit number | Outfall | Facility name | Location | Receiving water | Flow (mgd) | NH3 (mg/L) |
|---|---|---|---|---|---|---|
| LA0068241 | | Brusly, Town of | end of Live Oak Dr; Brusly Landing | Choctaw Drainage Canal - ICWW | 0.22298 (average) 0.7 (maximum) | 5.46 (monthly ave) 10.92 (daily max) |

# APPENDIX B:
# MONITORING DATA TABLES AND PLOTS

## Tables

Table B-1. In situ data collected during the July 2006 sampling event ..... 2
Table B-2. Water quality data from July 2006. ..... 3
Table B-3. CBOD monitoring results from July 2006 sampling event ..... 4
Table B-4. Summary of Acoustic Doppler Current Profiler data for 969 ..... 5
Table B-5. Summary of Acoustic Doppler Current Profiler data for 120103-A, 120103-C, and 336..... 5
Table B-6. Summary of Acoustic Doppler Current Profiler data for 120105-B and 971..... 5
Table B-7. Summary of Acoustic Doppler Current Profiler data for 120106-A and 972 ..... 6
Table B-8. Summary of Acoustic Doppler Current Profiler data for 120107-A, 120107-B, 120107-C, and 973 ..... 6
Table B-9. Summary of Acoustic Doppler Current Profiler data for 120109-B, 120109-E, 120109-F, and 975 ..... 6
Table B-10. Summary of Acoustic Doppler Current Profiler data for 976 ..... 7
Table B-11. Available Total Nitrite+Nitrate Data for the Upper Terrebonne Basin..... 7
Table B-12. Available Total Kejldahl Nitrogen Data for the Upper Terrebonne Basin..... 7
Table B-13. Available Total Phosphorus Data for the Upper Terrebonne Basin ..... 7

## Figures

Figure B-1. Continuous dissolved oxygen data observed at Intracoastal Waterway near Indian Village (LDEQ 975)..... 8
Figure B-2. Continuous dissolved oxygen data observed at Stumpy Bayou at LA Highway 76 (120105-B) ..... 8
Figure B-3. Continuous temperature for Upper Terrebonne Basin at station 120105-B..... 9
Figure B-4. Continuous specific conductivity for Upper Terrebonne Basin at station 120105-B . 9
Figure B-5. Continuous pH for Upper Terrebonne Basin at station 120105-B ..... 10
Figure B-6. Continuous temperature for Upper Terrebonne at station 975..... 10
Figure B-7. Continuous specific conductivity for Upper Terrebonne at station 975..... 11
Figure B-8. Continuous pH for Upper Terrebonne Basin at station 975 ..... 11

**Table B-1. In situ data collected during the July 2006 sampling event**

| Subsegment | Site ID | Site name | Date | Time | Sample depth (ft) | Water temp. (°C) | DO (mg/L) | Specific conductivity (µmhos/cm) | pH (s.u.) |
|---|---|---|---|---|---|---|---|---|---|
| 120102 | 969 | Bayou Poydras south of Erwinville | 7/10/06 | 1100 | 3 | 24.6 | | 140 | 7.5 |
| | | | | 1230 | 1.2 | 27.4 | 3.6 | 800 | 7.4 |
| | 120102-A | Bayou Poydras north of Erwinville, LA | 7/11/06 | 655 | 1 | 26.2 | 0.3 | 310 | 6.9 |
| 120103 | 336 | Bayou Choctaw west of Port Allen, LA | 7/11/06 | 1602 | 3 | 31.7 | 13.0 | 840 | 8.4 |
| | 120103-A | Tributary to Bayou Choctaw | 7/12/06 | 1009 | 2 | 26.6 | 2.4 | 520 | 7.5 |
| | | | 7/13/06 | 1825 | 1.5 | 29.1 | 4.4 | 390 | 7.7 |
| | 120103-B | Bayou Tommy at LA Hwy 76 | 7/11/06 | 927 | 0.5 | 26.3 | 3.5 | 430 | 7.2 |
| | 120103-C | Bayou Choctaw NW of Intracoastal Waterway | 7/12/06 | 1120 | 3 | 30.1 | 6.4 | 490 | 7.9 |
| | | | | | 6 | 28.9 | 2.9 | 510 | 7.5 |
| | | | | | 12 | 28.2 | 1.8 | 420 | 7.3 |
| 120105 | 971 | Chamberlin Canal southeast of Erwinville | 7/11/06 | 1503 | 2.5 | 28.3 | 3.8 | 491 | 7.7 |
| | 120105-A | Chamberlin Canal at Hwy 190 | 7/11/06 | 750 | 0.3 | 25.5 | 2.0 | 564 | 7.6 |
| | 120105-B | Stumpy Bayou at LA Hwy 76 | 7/11/06 | 1325 | 2.5 | 26.4 | 3.0 | 150 | 6.8 |
| 120106 | 972 | Bayou Plaquemine southwest of Plaquemines | 7/12/06 | 1543 | 3 | 31.7 | 9.3 | 340 | 8.5 |
| | | | | | 5 | 29.8 | 4.5 | 360 | 7.9 |
| | | | | | 9 | 28.9 | 2.0 | 370 | 7.7 |
| | 120106-A | Bayou Plaquemine at Plaquemine, LA | 7/13/06 | 1700 | 2.5 | 32.1 | 13.0 | 510 | 8.7 |
| | | | 7/12/06 | 1712 | 3 | 31.0 | 10.4 | 500 | 8.4 |
| 120107 | 973 | Upper Grand River, LA southwest of Plaquemines | 7/13/06 | 1000 | 3 | 7.4 | 3.7 | 460 | 7.4 |
| | | | | | 5 | 29.6 | 3.1 | 460 | 7.2 |
| | 120107-A | Superior Canal NE of Grand River, LA | 7/13/06 | 1204 | 2.5 | 30.0 | 5.5 | 420 | 7.6 |
| | 120107-B | Upper Grand River near levee | 7/13/06 | 1232 | 2.5 | 31.1 | 3.5 | 400 | 7.3 |
| | 120107-C | Lower Flat River E of Grand River, LA | 7/13/06 | 1109 | 2.5 | 30.0 | 3.9 | 400 | 7.3 |
| 120109 | 80 | Lower Grand River at Bayou Sorrel, LA | 7/13/06 | 1335 | 3 | 31.9 | 5.6 | 440 | 7.7 |
| | | | | | 8 | 30.3 | 4.1 | 430 | 7.5 |
| | | | | | 16 | 30.3 | 4.0 | 430 | 7.5 |
| | 975 | Intracoastal Waterway near Indian Village | 7/13/06 | 1740 | 3 | 31.4 | 5.4 | 410 | 7.7 |
| | | | | | 9 | 30.6 | 5.0 | 410 | 7.6 |
| | | | | | 18 | 30.6 | 4.8 | 410 | 7.6 |
| | | | 7/12/06 | 1445 | 3 | 29.5 | 4.2 | 340 | 7.5 |
| | | | | | 8 | 29.4 | 4.0 | 340 | 7.5 |
| | | | | | 15 | 29.3 | 3.6 | 340 | 7.4 |
| | | | 7/10/06 | 1635 | 3 | 30.4 | 4.9 | 441 | 7.7 |
| | 120109-A | Intracoastal Waterway at Port Allen, LA | 7/12/06 | 1231 | 3 | 29.8 | 6.2 | 470 | 7.9 |
| | | | | | 7 | 29.6 | 6.1 | 470 | 7.9 |
| | | | | | 14 | 29.5 | 6.1 | 470 | 7.8 |
| | | | 7/13/06 | 1850 | 3 | 29.9 | 6.2 | 461 | 8.0 |
| | | | | | 16 | 29.9 | 6.2 | 461 | 8.0 |

**Table B-1. (Continued)**

| Subsegment | Site ID | Site name | Date | Time | Sample depth (ft) | Water temp. (°C) | DO (mg/L) | Specific Conductivity (µmhos/cm) | pH (s.u.) |
|---|---|---|---|---|---|---|---|---|---|
| 120109 | 120109-B | Intracoastal Waterway W of Brusly, LA | 7/12/06 | 1331 | 3 | 30.2 | 5.1 | 420 | 7.8 |
| | | | | | 10 | 29.8 | 4.6 | 420 | 7.7 |
| | | | | | 19 | 29.7 | 4.5 | 420 | 7.7 |
| | | | 7/13/06 | 1920 | 3 | 30.9 | 5.9 | 440 | 8.0 |
| | | | | | 8 | 30.7 | 5.7 | 440 | 7.9 |
| | 120109-C | Intracoastal Waterway upstream of Bayou Choctaw | 7/12/06 | 1140 | 3 | 29.8 | 5.4 | 420 | 7.7 |
| | | | | | 9 | 29.7 | 5.3 | 420 | 7.6 |
| | | | | | 17 | 29.7 | 5.3 | 417 | 7.7 |
| | 120109-D | Intracoastal Waterway W of Brusly, LA | 7/12/06 | 915 | 3 | 29.5 | 5.0 | 410 | 7.7 |
| | | | | | 8 | 29.2 | 4.8 | 410 | 7.6 |
| | | | | | 15 | 29.2 | 4.7 | 410 | 7.6 |
| | 120109-E | Bayou Grosse Tete NW of Intracoastal Waterway | 7/12/06 | 803 | 3 | 27.9 | 1.6 | 387 | 7.2 |
| | | | | | 6 | 27.9 | 1.6 | 387 | 7.2 |
| | | | | | 12 | 27.9 | 1.5 | 388 | 7.2 |
| | | | 7/13/06 | 1800 | 1.5 | 30.9 | 5.7 | 380 | 7.7 |
| | 120109-F | Intracoastal Waterway south of The Parks, LA | 7/13/06 | 1422 | 3 | 30.6 | 4.5 | 340 | 7.4 |
| | | | | | 9 | 29.8 | 4.0 | 340 | 7.4 |
| | | | | | 16 | 29.7 | 3.9 | 340 | 7.4 |
| 120110 | 976 | Bayou Chalpin southwest of Carey, LA | 7/11/06 | 1140 | 3 | 28.5 | 4.5 | 480 | 7.5 |
| | 120110-A | Bayou Cholpe west of Erwinville | 7/10/06 | 1845 | 0.9 | 24.9 | 4.0 | 98 | 6.0 |

**Table B-2. Water quality data from July 2006**

| Subsegment | Site ID | Date | TSS (mg/L) | Total phos. (mg/L) | Chlorophyll *a* (µg/L) | TOC (mg/L) | TKN (mg/L) | Ammonia as N (mg/L) | $NO_3$ + $NO_2$ N (mg/L) |
|---|---|---|---|---|---|---|---|---|---|
| 120102 | 969 | 07/11/06 | 100 | 0.57 | 0.100 | 12.00 | 2.50 | 0.13 | 0.79 |
| | 120102-A | 07/11/06 | 34 | 1.40 | < 0.02 | 9.80 | 1.80 | 0.26 | < 0.04 |
| 120103 | 336 | 07/11/06 | 23 | 0.23 | 0.066 | 8.90 | 1.30 | < 0.1 | < 0.04 |
| | 120103-A | 07/12/06 | 37 | 0.32 | 0.028 | 9.40 | 1.50 | < 0.1 | 0.10 |
| | 120103-B | 07/11/06 | 14 | 0.36 | 0.029 | 8.50 | 1.00 | < 0.1 | < 0.04 |
| 120105 | 971 | 07/11/06 | 51 | 0.42 | 0.060 | 11.00 | 2.20 | 0.14 | 0.04 |
| | 120105-A | 07/11/06 | 5 | 0.45 | < 0.02 | 11.00 | 1.30 | 0.12 | 0.07 |
| | 120105-B-1 | 07/11/06 | 14 | 0.36 | 0.029 | 8.50 | 1.00 | < 0.1 | < 0.04 |
| | 120105-B-2 | 07/13/06 | 240 | Data not collected | | | | | 2.6 |
| 120106 | 972 | 07/12/06 | 31 | 0.25 | 0.058 | 4.10 | 1.40 | < 0.1 | 1.20 |
| | 120106-A | 07/12/06 | 20 | 0.14 | 0.030 | 4.10 | 1.90 | < 0.1 | 1.50 |

**Table B-2. (Continued)**

| Subsegment | Site ID | Date | TSS (mg/L) | Total phos. (mg/L) | Chlorophyll *a* (µg/L) | TOC (mg/L) | TKN (mg/L) | Ammonia as N (mg/L) | $NO_3$ + $NO_2$ N (mg/L) |
|---|---|---|---|---|---|---|---|---|---|
| 120107 | 973 | 07/13/06 | 50 | 0.24 | 0.026 | 4.40 | 1.20 | < 0.1 | 0.89 |
| | 120107-B-1 | 7/13/06 | 22 | 0.22 | 0.064 | 6.90 | 1.40 | < 0.1 | < 0.04 |
| | 120107-B-2 | 7/13/06 | 21 | 0.44 | 0.090 | 6.80 | 1.40 | < 0.1 | < 0.04 |
| | 120107-B | 7/13/06 | 28 | 0.28 | 0.032 | 6.70 | 1.40 | < 0.1 | < 0.04 |
| | 120107-C | 7/13/06 | 46 | 0.32 | 0.038 | 8.70 | 1.50 | < 0.1 | < 0.04 |
| 120109 | 80 | 7/13/06 | 76 | 0.25 | 0.036 | 4.20 | 1.30 | < 0.1 | 1.30 |
| | 975-1 | 7/12/06 | 150 | 0.35 | < 0.02 | 4.30 | 1.20 | < 0.1 | 1.70 |
| | 975-2 | 7/12/06 | 150 | 0.36 | < 0.02 | 4.50 | 1.60 | < 0.1 | 1.70 |
| | 120109-A | 7/12/06 | 40 | 0.14 | < 0.02 | 3.50 | 1.10 | < 0.1 | 1.70 |
| | 120109-B | 7/12/06 | 62 | 0.23 | < 0.02 | 4.90 | 1.20 | < 0.1 | 1.50 |
| | 120109-E | 7/12/06 | 15 | 0.29 | < 0.02 | 9.30 | 1.30 | 0.21 | < 0.04 |
| | 120109-F | 7/13/06 | 130 | 0.28 | < 0.02 | 3.90 | 2.00 | < 0.1 | 2.30 |
| 120110 | 976 | 7/11/06 | 55 | 0.26 | 0.067 | 8.70 | 1.60 | < 0.1 | 0.04 |
| | 976-2 | 7/11/06 | 53 | 0.22 | 0.077 | 8.20 | 1.10 | < 0.1 | < 0.04 |
| | 120110-A | 7/10/06 | 150 | 0.56 | < 0.02 | 7.10 | 2.40 | < 0.1 | 2.70 |

**Table B-3. CBOD monitoring results from July 2006 sampling event**

| Subsegment | Site ID | $CBOD_3$ (mg/L) | $CBOD_5$ (mg/L) | $CBOD_{12}$ (mg/L) | $CBOD_{18}$ (mg/L) | $CBOD_{25}$ (mg/L) | $CBOD_u$ decay rate (1/day) | $CBOD_U$ (mg/L) |
|---|---|---|---|---|---|---|---|---|
| 120102 | 969 | 6.0 | 8.1 | 14.0 | 24.0 | 23.0 | 0.06 | 30.67 |
| | 120102-A | 2.7 | 4.0 | 7.8 | -- | 17.0 | 0.03 | 31.03 |
| 120103 | 336 | 4.2 | 5.8 | 9.4 | 11.0 | 12.0 | 0.13 | 12.28 |
| | 120103-A | < 2 | 2.1 | 4.8 | 4.0 | 4.2 | 0.47 | 4.36 |
| | 120103-B | 2.6 | 3.4 | 5.5 | -- | 12.0 | 0.04 | 18.63 |
| 120105 | 971 | 2.8 | 4.2 | 8.4 | 8.6 | 9.7 | 0.21 | 9.28 |
| | 120105-A | < 2 | < 2 | < 2 | -- | 2.7 | -- | -- |
| | 120105-B | < 2 | 3.7 | 7.0 | 8.6 | 9.6 | 0.09 | 10.80 |
| 120106 | 80 | < 2 | 3.1 | 4.4 | 4.6 | 4.9 | 0.34 | 4.69 |
| | 972 | 3.0 | 4.4 | 6.9 | 14.0 | 14.0 | 0.04 | 23.99 |
| | 120106-A | < 2 | 2.8 | 5.2 | 4.8 | 4.8 | 0.27 | 5.05 |
| 120107 | 120107-B-1 | 3.9 | 5.7 | 8.4 | 10.0 | 11.0 | 0.14 | 11.08 |
| | 120107-B-2 | 3.9 | 5.8 | 7.3 | 11.0 | 12.0 | 0.10 | 12.77 |
| | 120107-B | 2.5 | 3.7 | 5.1 | 13.0 | 13.0 | 0.04 | 22.44 |
| | 120107-C | 2.6 | 4.1 | 5.3 | 13.0 | 14.0 | 0.03 | 25.52 |
| 120109 | 973 | < 2 | 2.2 | 2.8 | 2.6 | 3.0 | 0.30 | 2.84 |
| | 975-1 | < 2 | 2.4 | 3.4 | 2.3 | 2.3 | 0.58 | 2.66 |
| | 975-2 | < 2 | 2.3 | 3.6 | 2.5 | 2.6 | 0.59 | 2.89 |
| | 120109-A | < 2 | < 2 | 2.6 | < 2 | < 2 | -- | -- |

**Table B-3. (Continued)**

| Subsegment | Site ID | $CBOD_3$ (mg/L) | $CBOD_5$ (mg/L) | $CBOD_{12}$ (mg/L) | $CBOD_{18}$ (mg/L) | $CBOD_{25}$ (mg/L) | $CBOD_u$ decay rate (1/day) | $CBOD_U$ (mg/L) |
|---|---|---|---|---|---|---|---|---|
| 120109 | 120109-B | < 2 | < 2 | 3.6 | 2.7 | 2.7 | 0.60 | 3.00 |
| | 120109-E | < 2 | < 2 | 3.4 | 3.1 | 3.3 | 0.60 | 3.27 |
| | 120109-F | < 2 | 2.6 | 2.6 | 2.5 | 2.8 | 0.60 | 2.66 |
| 120110 | 976 | 2.0 | 3.0 | 4.4 | 6.0 | 6.3 | 0.11 | 6.76 |
| | 976-2 | 2.3 | 3.3 | 6.5 | 5.5 | 6.0 | 0.34 | 5.95 |
| | 120110-A | < 2 | < 2 | 3.6 | 4.0 | 4.4 | 0.42 | 4.24 |

**Table B-4. Summary of Acoustic Doppler Current Profiler data for 969**

| Station | 969 | |
|---|---|---|
| Run | R2 | R3 |
| **Geometry** | | |
| Area ($ft^2$) | 133 | 105 |
| River width (ft) | 59 | 48 |
| Calculated average depth (ft) | 2.3 | 2.2 |
| Average depth (ft) | 2.2 | |
| **Flows** | | |
| Total discharge (cfs) | 8.31 | 9.64 |
| Flow Dir (deg) | 160.23 | 184.44 |
| Average flow (cfs) | 9.0 | |

**Table B-5. Summary of Acoustic Doppler Current Profiler data for 120103-A, 120103-C, and 336**

| Station | 120103-A | | 120103-C | | 336 | | | |
|---|---|---|---|---|---|---|---|---|
| Run | R1 | R2 | R1 | R2 | R1 | R2 | R3 | R5 |
| **Geometry** | | | | | | | | |
| Area ($ft^2$) | 113 | 111 | 1570 | 1563 | 1289 | 1203 | 1422 | 1335 |
| River width (ft) | 35 | 34 | 170 | 170 | 133 | 128 | 143 | 145 |
| Calculated average depth (ft) | 3.2 | 3.2 | 9.2 | 9.2 | 9.7 | 9.4 | 9.9 | 9.2 |
| Average depth (ft) | 3.2 | | 9.2 | | 9.6 | | | |
| **Flows** | | | | | | | | |
| Total discharge (cfs) | 10.93 | 5.69 | -77.4 | -74.2 | 89.9 | 111.8 | 267.8 | 238.7 |
| Flow Dir (deg) | 222.77 | 226.57 | 3.65 | 295.11 | 108.5 | 156.5 | 105.1 | 140.0 |
| Average flow (cfs) | 8.3 | | -75.8 | | 177.1 | | | |

**Table B-6. Summary of Acoustic Doppler Current Profiler data for 120105-B and 971**

| Station | 120105-B | | | 971 | | |
|---|---|---|---|---|---|---|
| Run | R1 | R2 | R3 | R1 | R2 | R3 |
| **Geometry** | | | | | | |
| Area ($ft^2$) | 188 | 186 | 181 | 159 | 150 | 181 |
| River width (ft) | 60 | 59 | 58 | 53 | 51 | 62 |
| Calculated average depth (ft) | 3.1 | 3.1 | 3.1 | 3.0 | 2.9 | 2.9 |
| Average depth (ft) | 3.1 | | | 3.0 | | |
| **Flows** | | | | | | |
| Total discharge (cfs) | 3.25 | 9.85 | 27.2 | -5.37 | -4.86 | -7.8 |

**Table B-6. (Continued)**

| Station | 120105-B | | | 971 | | |
|---|---|---|---|---|---|---|
| Run | R1 | R2 | R3 | R1 | R2 | R3 |
| Flow Dir (deg) | 218.74 | 206.16 | 218.42 | 23.4 | 32.28 | 25.43 |
| Average flow (cfs) | 13.4 | | | -6.0 | | |

**Table B-7. Summary of Acoustic Doppler Current Profiler data for 120106-A and 972**

| Station | 120106-A | 972 |
|---|---|---|
| Run | R3 | R3 |
| **Geometry** | | |
| Area ($ft^2$) | 903 | 1225 |
| River width (ft) | 207 | 230 |
| Calculated average depth (ft) | 4.4 | 5.3 |
| Average depth (ft) | 4.4 | 5.3 |
| **Flows** | | |
| Total discharge [cfs] | 39 | 257 |
| Flow Dir [deg] | 5.7 | 128.6 |
| Average flow [cfs] | 39.2 | 257.1 |

**Table B-8. Summary of Acoustic Doppler Current Profiler data for 120107-A, 120107-B, 120107-C, and 973**

| Station | 120107-A | | 120107-B | | 120107-C | | | 973 |
|---|---|---|---|---|---|---|---|---|
| Run | R1 | R2 | R1 | R2 | R1 | R2 | R3 | R1 |
| **Geometry** | | | | | | | | |
| Area ($ft^2$) | 454 | 435 | 944 | 1057 | 898 | 101 | 913 | 865.65 |
| River width (ft) | 116 | 109 | 263 | 318 | 265 | 60 | 275 | 205.27 |
| Calculated average depth (ft) | 3.9 | 4.0 | 3.6 | 3.3 | 3.4 | 1.7 | 3.3 | 4.2 |
| Average depth (ft) | 3.9 | | 3.5 | | 2.8 | | | 4.2 |
| **Flows** | | | | | | | | |
| Total discharge (cfs) | 29.88 | 38.55 | 133.93 | 145 | 55.12 | 3.94 | 83.9 | 334.8 |
| Flow Dir (deg) | 143.9 | 151.8 | 72.4 | 83.55 | 105.97 | 81.46 | 130.28 | 95.54 |
| Average flow (cfs) | 34.2 | | 139.5 | | 47.7 | | | 334.8 |

**Table B-9. Summary of Acoustic Doppler Current Profiler data for 120109-B, 120109-E, 120109-F, and 975**

| Station | 120109-B | 120109-E | | | 120109-F | | | 975 |
|---|---|---|---|---|---|---|---|---|
| Run | R1 | R1 | R2 | R3 | R1 | R2 | R3 | R2 |
| **Geometry** | | | | | | | | |
| Area ($ft^2$) | 3115 | 622 | 620 | 649 | 3415 | 3322 | 3342 | 3519.1 |
| River width (ft) | 250 | 92 | 93 | 100 | 295 | 289 | 287 | 299.43 |
| Calculated average depth (ft) | 12.5 | 6.7 | 6.6 | 6.5 | 11.6 | 11.5 | 11.6 | 11.8 |
| Average depth (ft) | 12.5 | 6.6 | | | 11.6 | | | |
| **Flows** | | | | | | | | |
| Total discharge (cfs) | 82.07 | 43.01 | 55.58 | 45.66 | 1016.3 | 733.35 | 667.45 | 490 |
| Flow Dir (deg) | 181.5 | 123.3 | 127.7 | 131.1 | 202.1 | 193.5 | 175.8 | 176.83 |
| Average flow (cfs) | 82.1 | 48.1 | | | 805.7 | | | |

**Table B-10. Summary of Acoustic Doppler Current Profiler data for 976**

| Station | 976 | | |
|---|---|---|---|
| Run | R1 | R2 | R4 |
| **Geometry** | | | |
| Area ($ft^2$) | 538 | 519 | 520 |
| River width (ft) | 84 | 79 | 79 |
| Calculated average depth (ft) | 6.4 | 6.6 | 6.6 |
| Average depth (ft) | 6.5 | | |
| **Flows** | | | |
| Total discharge (cfs) | 83.04 | -1.73 | -8.18 |
| Flow Dir (deg) | 249.8 | 328.0 | 342.7 |
| Average flow (cfs) | 24.4 | | |

**Table B-11. Available total nitrite+nitrate data for the Upper Terrebonne Basin**

| Subsegment | Station | Station name | Period of record | No. of Obs. | Total $NO_2$+$NO_3$ minimum (mg/L) | Total $NO_2$+$NO_3$ maximum (mg/L) | Total $NO_2$+$NO_3$ average (mg/L) |
|---|---|---|---|---|---|---|---|
| 120405 | 936 | Lake Hatch and Lake Theriot | 1/26/00-8/23/05 | 22 | 0.03 | 1.17 | 0.37 |
| 120406 | 937 | Lake de Cade | 1/12/00-11/27/06 | 29 | 0.02 | 0.52 | 0.19 |

**Table B-12. Available total Kejldahl nitrogen data for the Upper Terrebonne Basin**

| Subsegment | Station | Station name | Period of record | No. of Obs. | TKN minimum (mg/L) | TKN maximum (mg/L) | TKN average (mg/L) |
|---|---|---|---|---|---|---|---|
| 120405 | 936 | Lake Hatch and Lake Theriot | 1/26/00-8/23/05 | 23 | 0.6 | 1.6 | 0.89 |
| 120406 | 937 | Lake de Cade | 1/12/00-11/27/06 | 36 | 0.54 | 1.55 | 0.95 |

**Table B-13. Available total phosphorus data for the Upper Terrebonne Basin**

| Subsegment | Station | Station name | Period of record | No. of Obs. | Total phos. minimum (mg/L) | Total phos. maximum (mg/L) | Total phos. average (mg/L) |
|---|---|---|---|---|---|---|---|
| 120405 | 936 | Lake Hatch and Lake Theriot | 1/26/00-8/23/05 | 23 | 0.06 | 0.18 | 0.11 |
| 120406 | 937 | Lake de Cade | 1/12/00-11/27/06 | 34 | 0.06 | 0.26 | 0.11 |

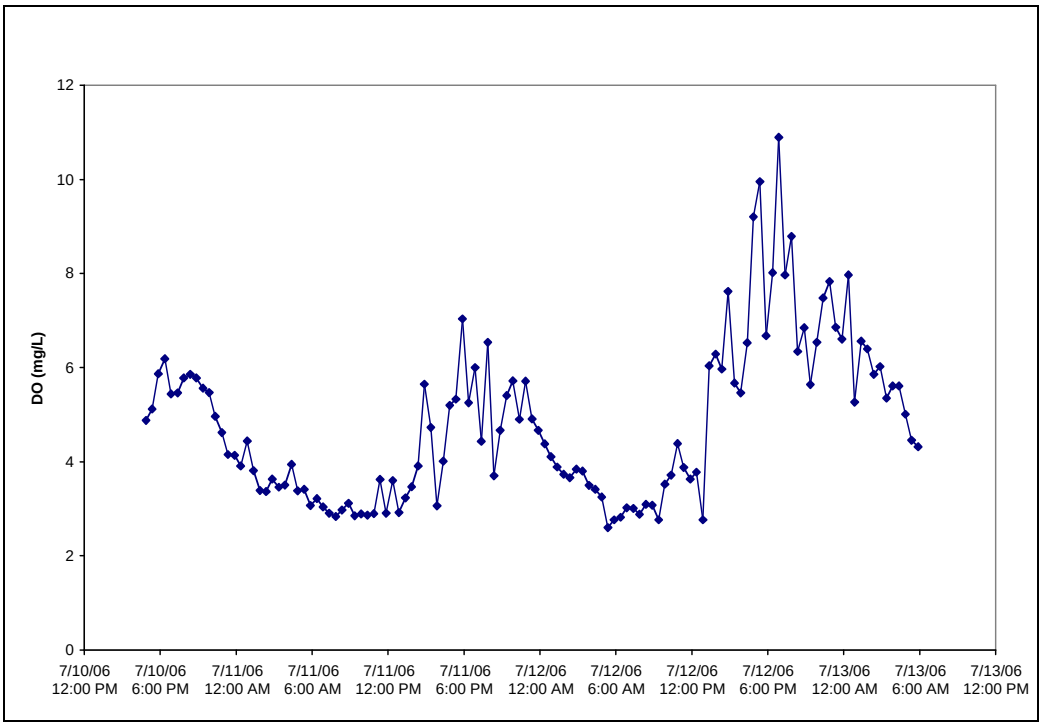


**Figure B-1. Continuous dissolved oxygen data observed at Intracoastal Waterway near Indian Village at station 975.**

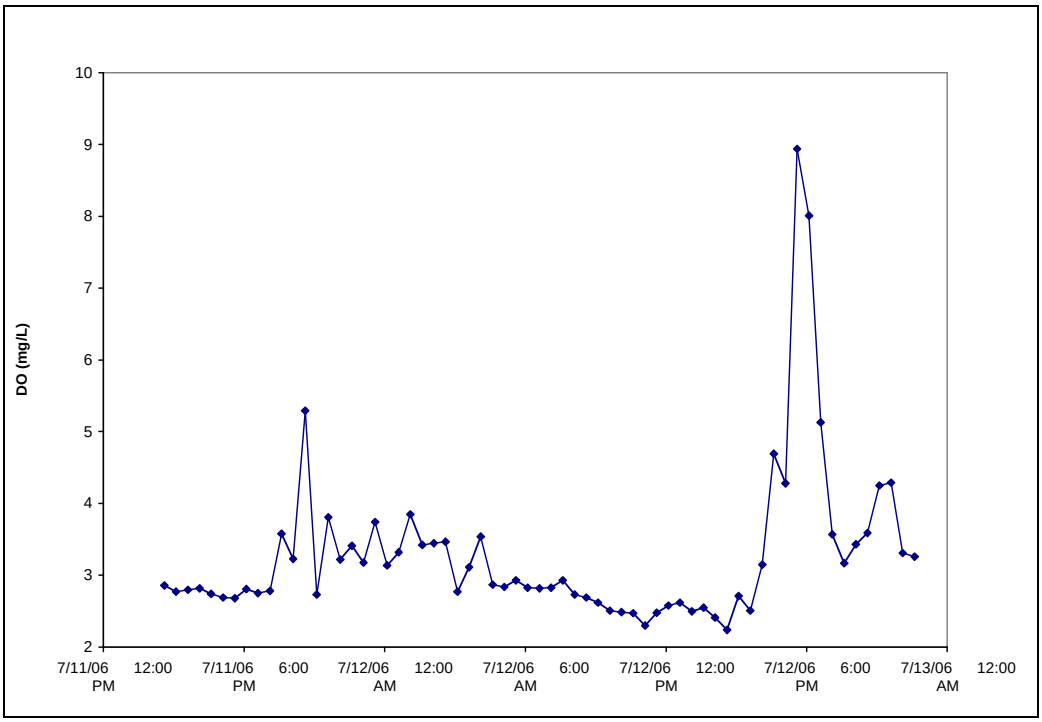


**Figure B-2. Continuous dissolved oxygen data observed at Stumpy Bayou at LA Highway 76 at station 120105-B.**

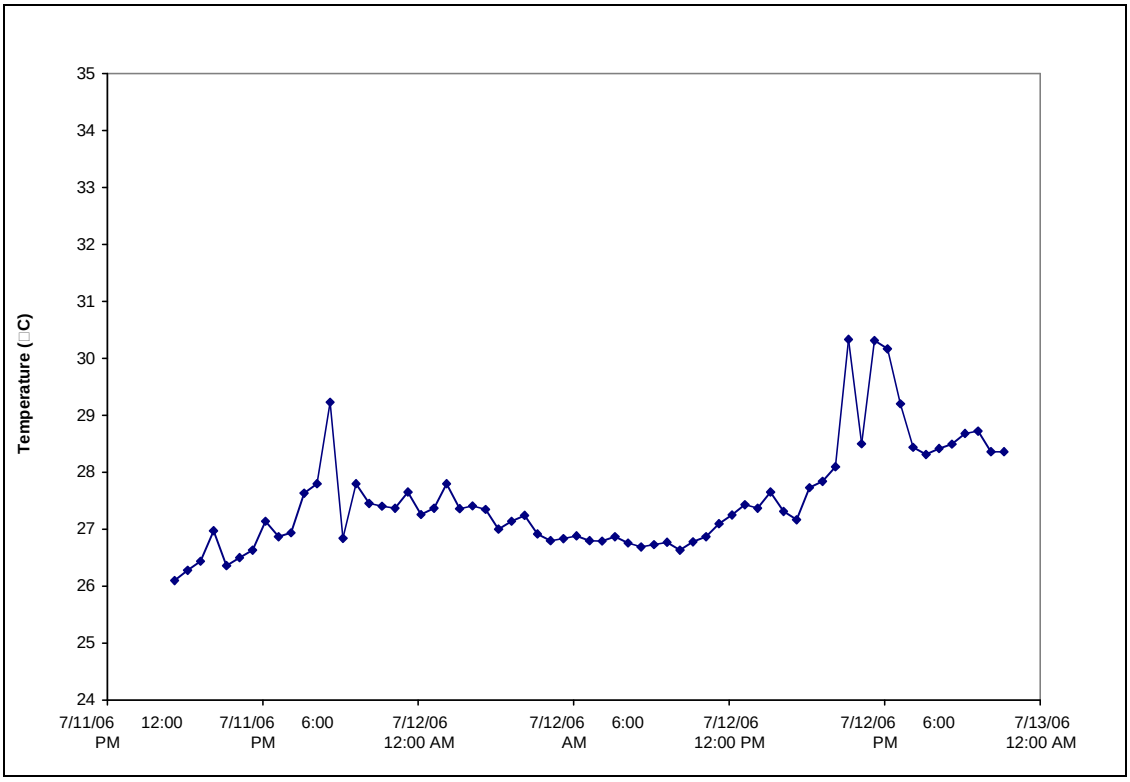


**Figure B-3. Continuous temperature for Upper Terrebonne Basin at station 120105-B.**

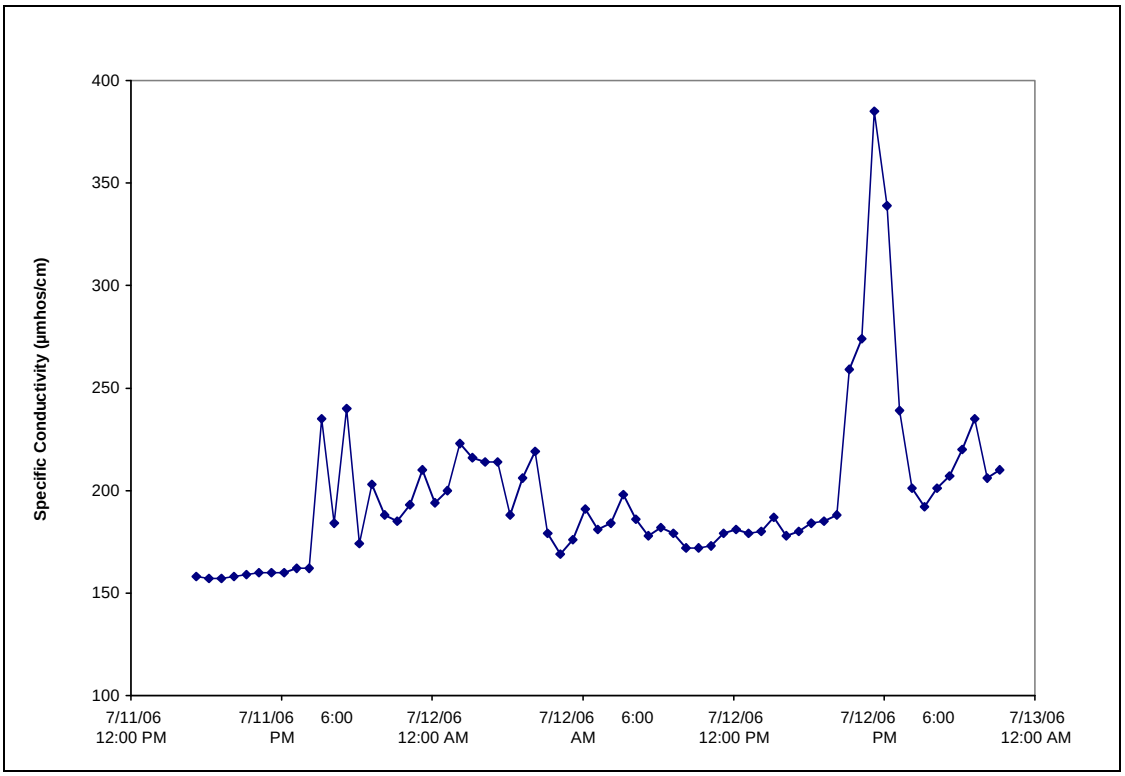


**Figure B-4. Continuous specific conductivity for Upper Terrebonne Basin at station 120105-B.**

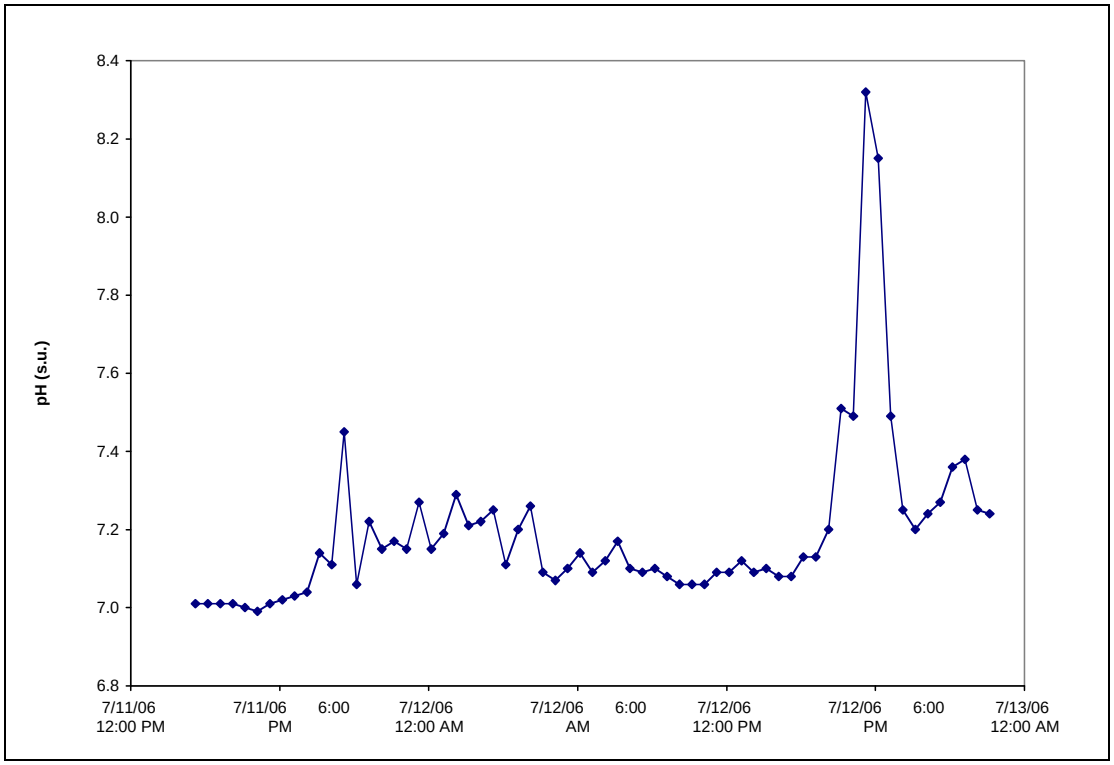


**Figure B-5. Continuous pH for Upper Terrebonne Basin at station 120105-B.**

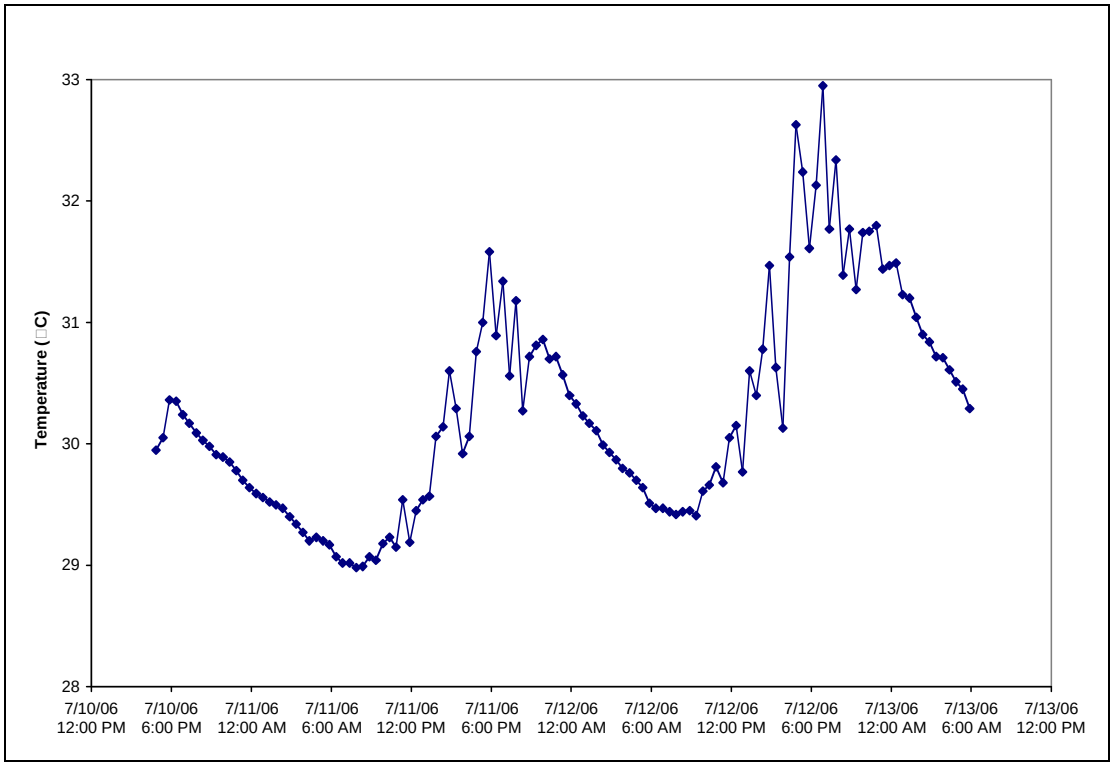


**Figure B-6. Continuous temperature for Upper Terrebonne at station 975.**

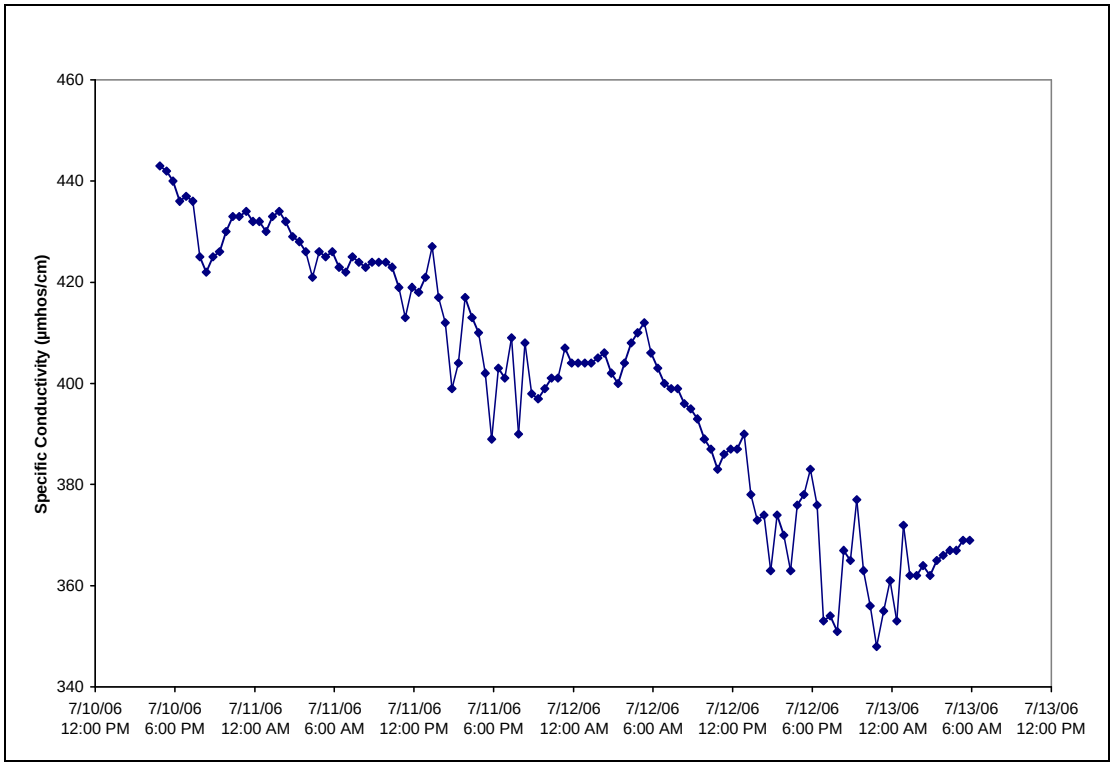


**Figure B-7. Continuous specific conductivity for Upper Terrebonne at station 975.**

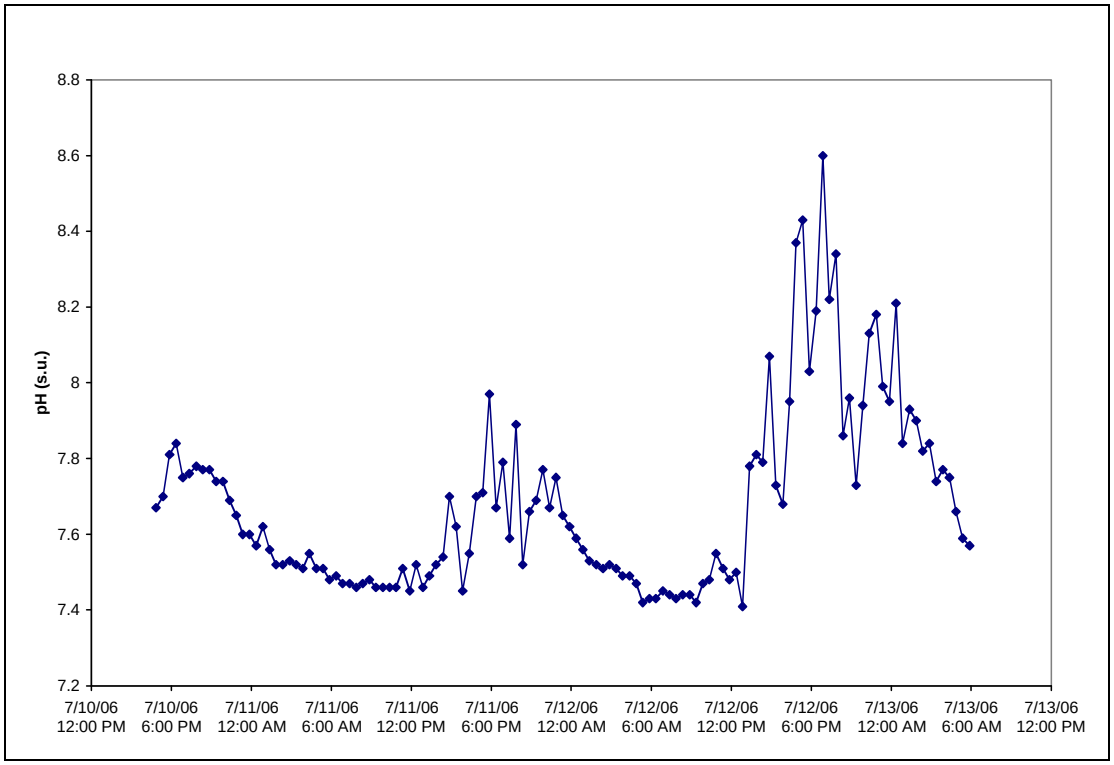


**Figure B-8. Continuous pH for Upper Terrebonne Basin at station 975.**

# APPENDIX C
# FIELD SURVEY NOTES
# (CD-ROM)

This appendix contains large files, which are provided only on a CD-ROM. To obtain a copy of this appendix, please contact EPA.

# APPENDIX D:
# MODEL VECTOR DIAGRAMS

Figure D-1. Vector diagram for subsegment 120102 ..... 1
Figure D-2. Vector diagram for subsegment 120103 ..... 2
Figure D-3. Vector diagram for subsegment 120105 ..... 3
Figure D-4. Vector diagram for subsegment 120106 ..... 4
Figure D-5. Vector diagram for subsegment 120107 ..... 5
Figure D-6. Vector diagram for subsegment 120109 ..... 6
Figure D-7. Vector diagram for subsegment 120110 ..... 7
Figure D-8 Combined vector diagram for the upper Terrebonne Basin ..... 8

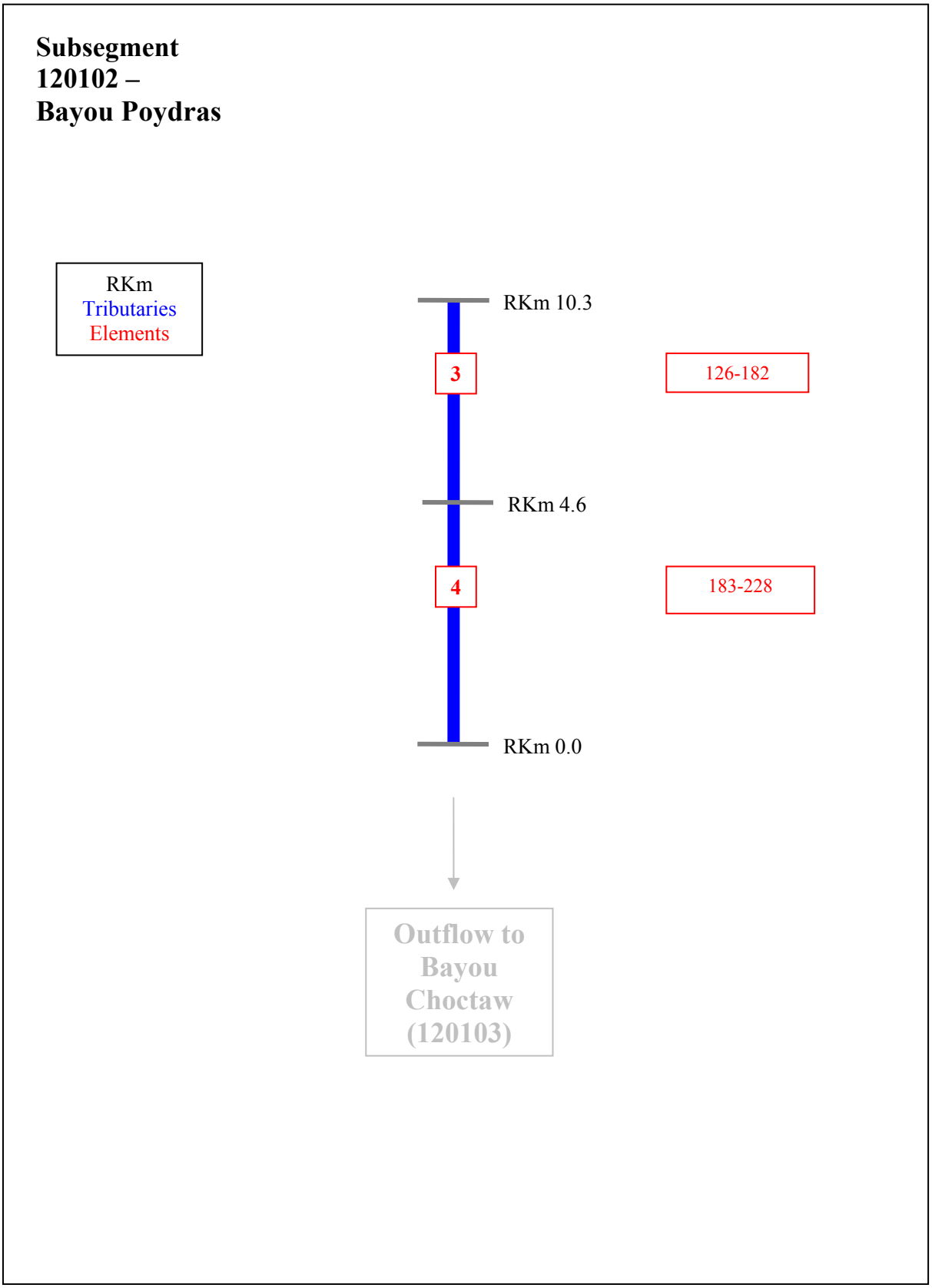


**Figure D-1. Vector diagram for subsegment 120102**

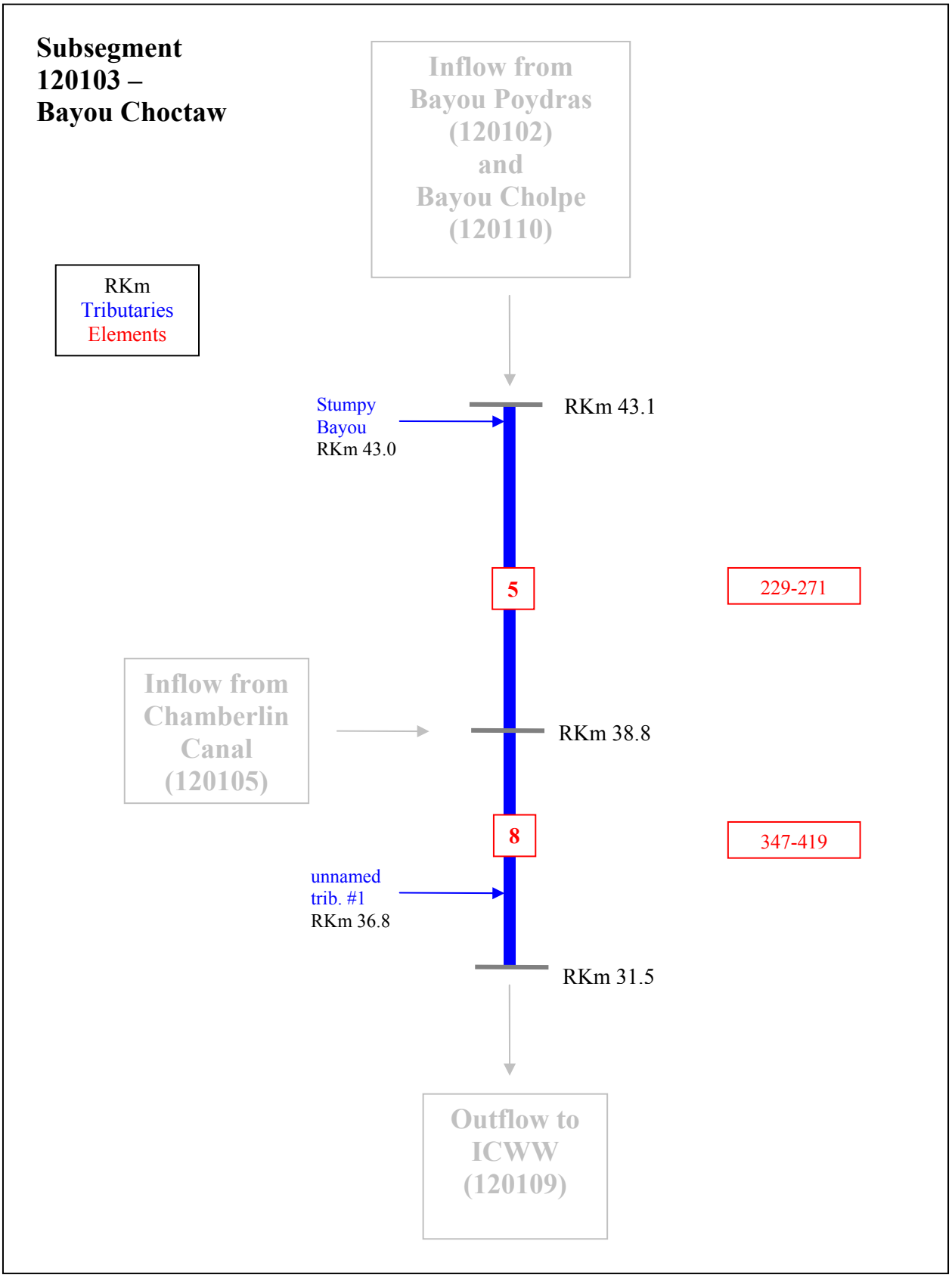


**Figure D-2. Vector diagram for subsegment 120103**

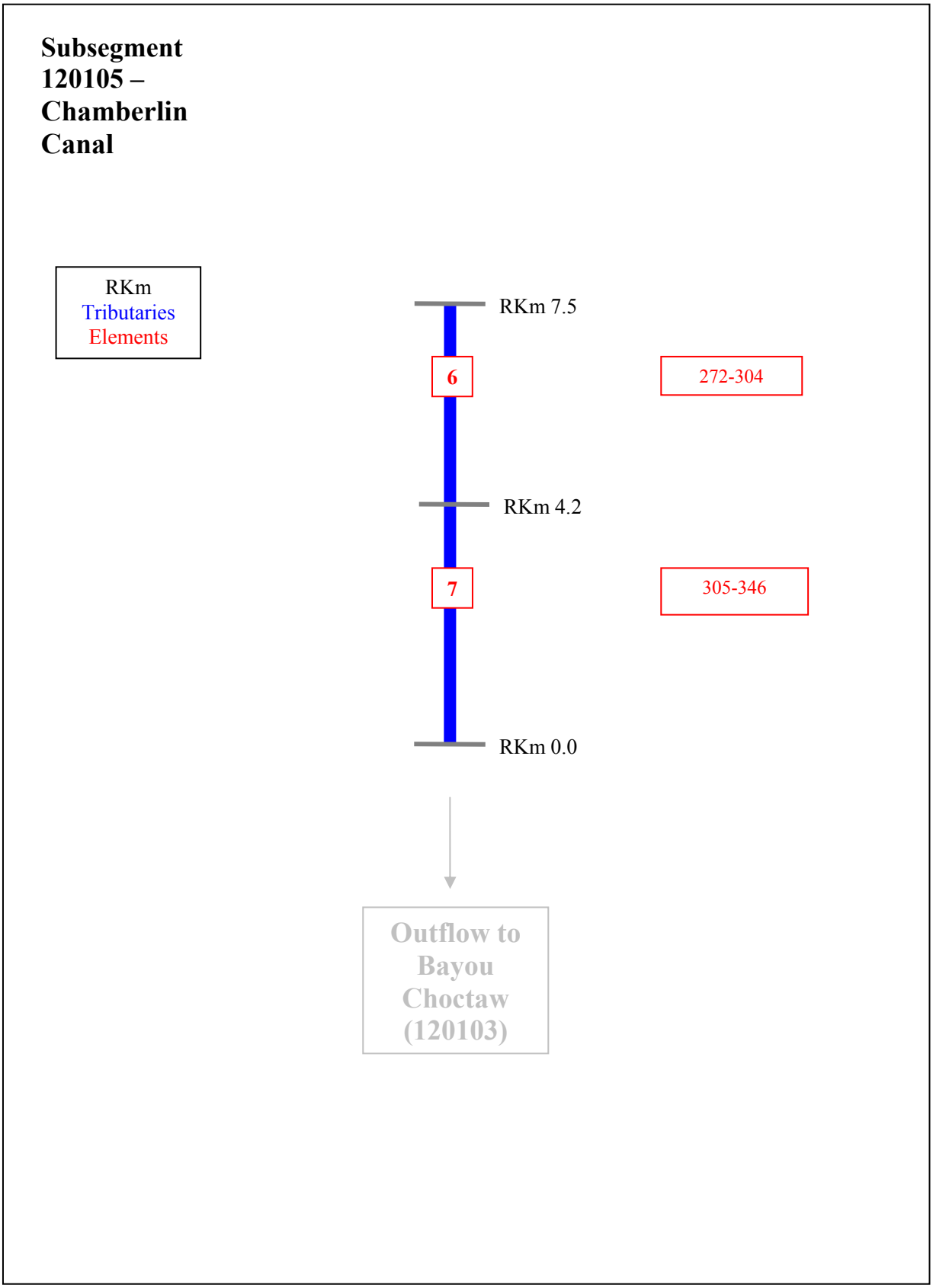


**Figure D-3. Vector diagram for subsegment 120105**

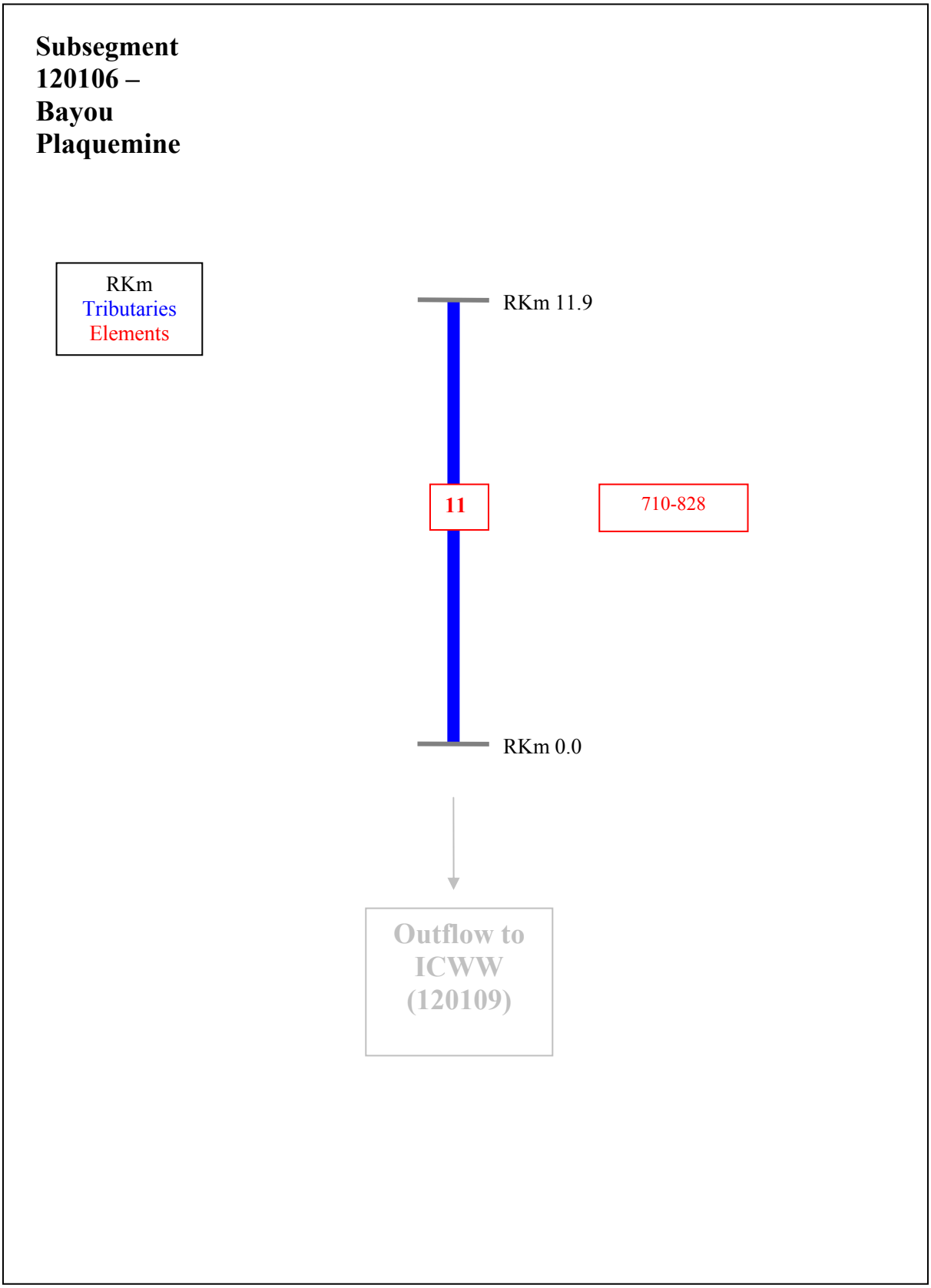


**Figure D-4. Vector diagram for subsegment 120106**

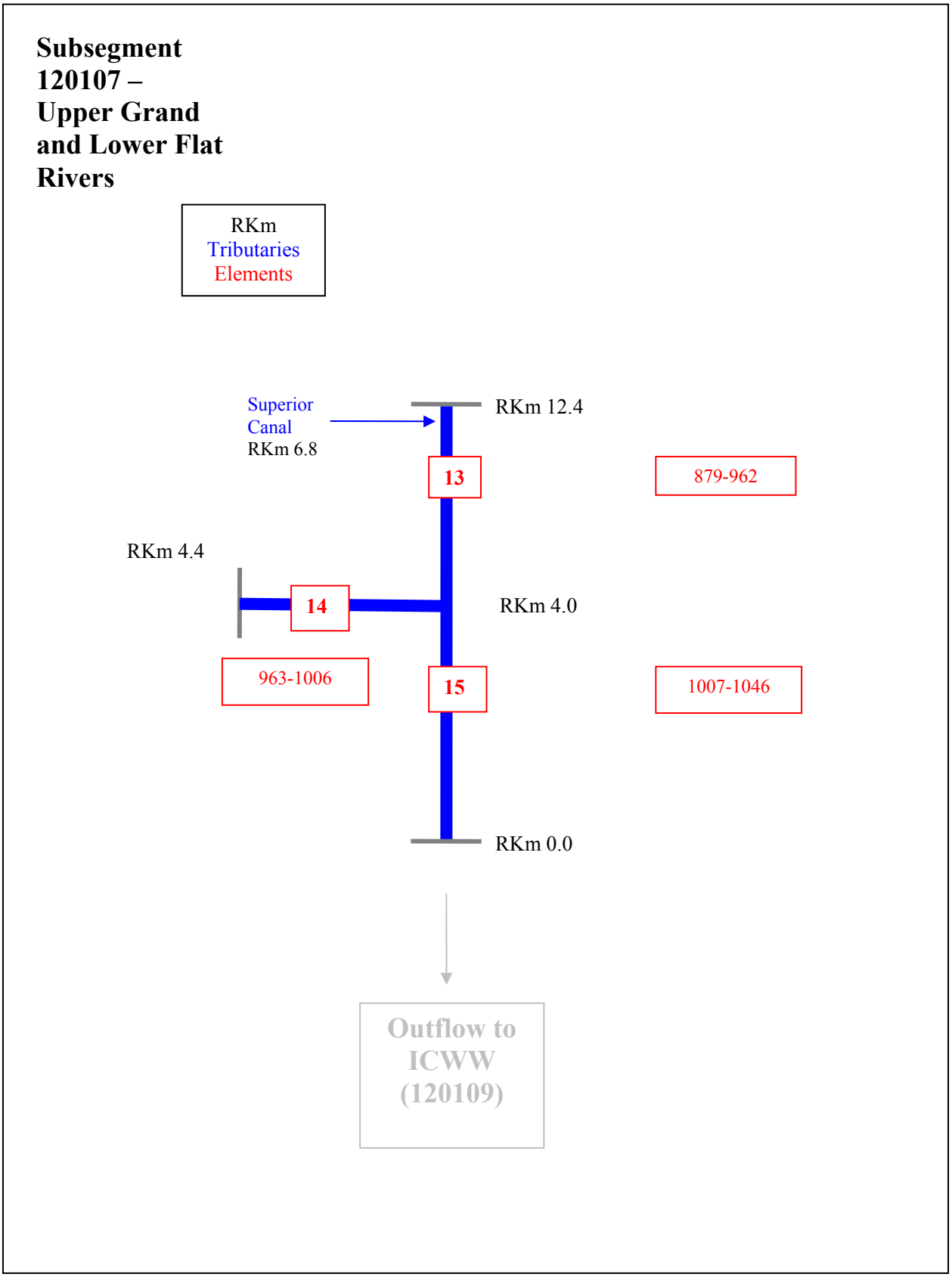


**Figure D-5. Vector diagram for subsegment 120107**

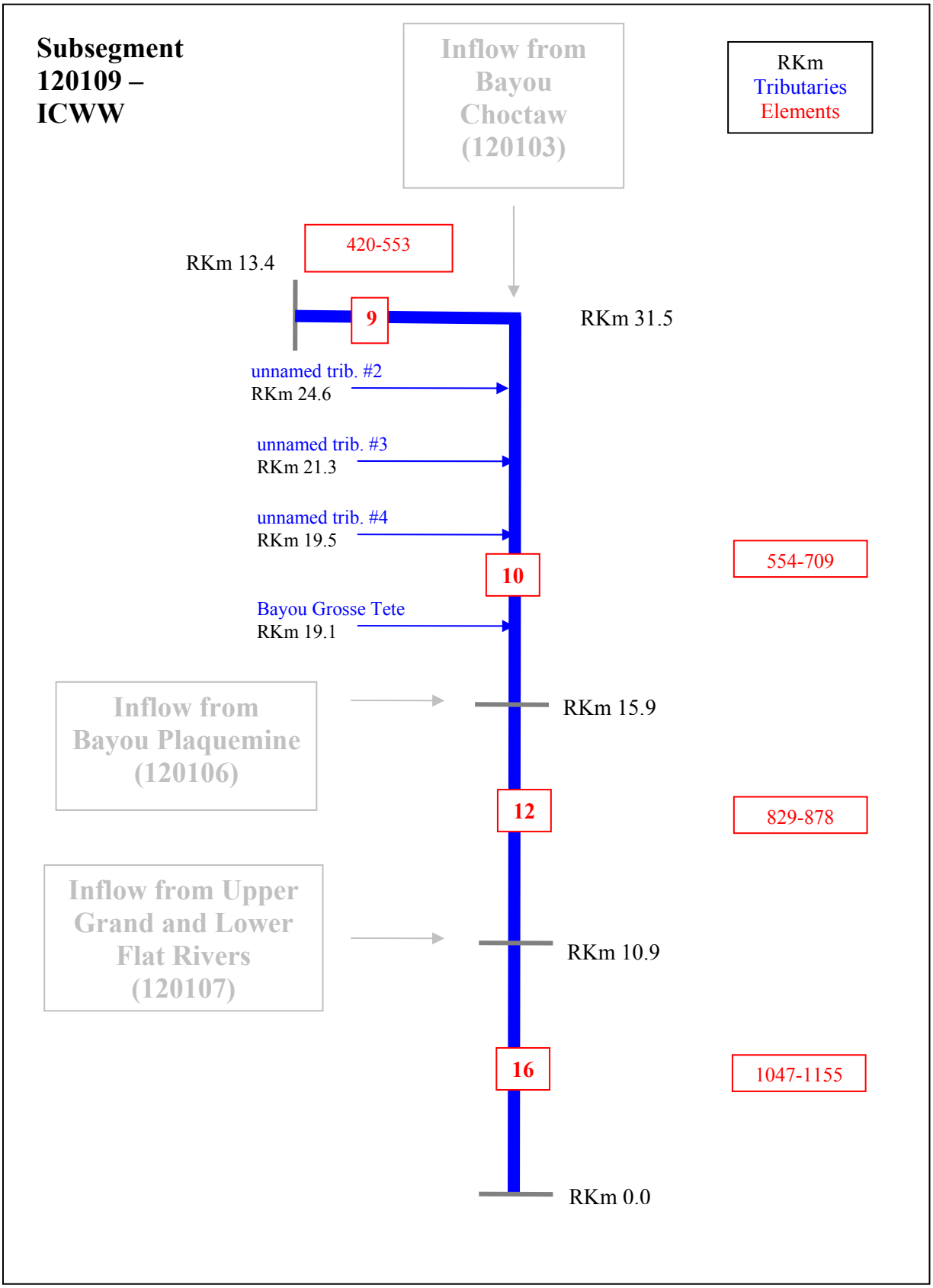


**Figure D-6. Vector diagram for subsegment 120109**

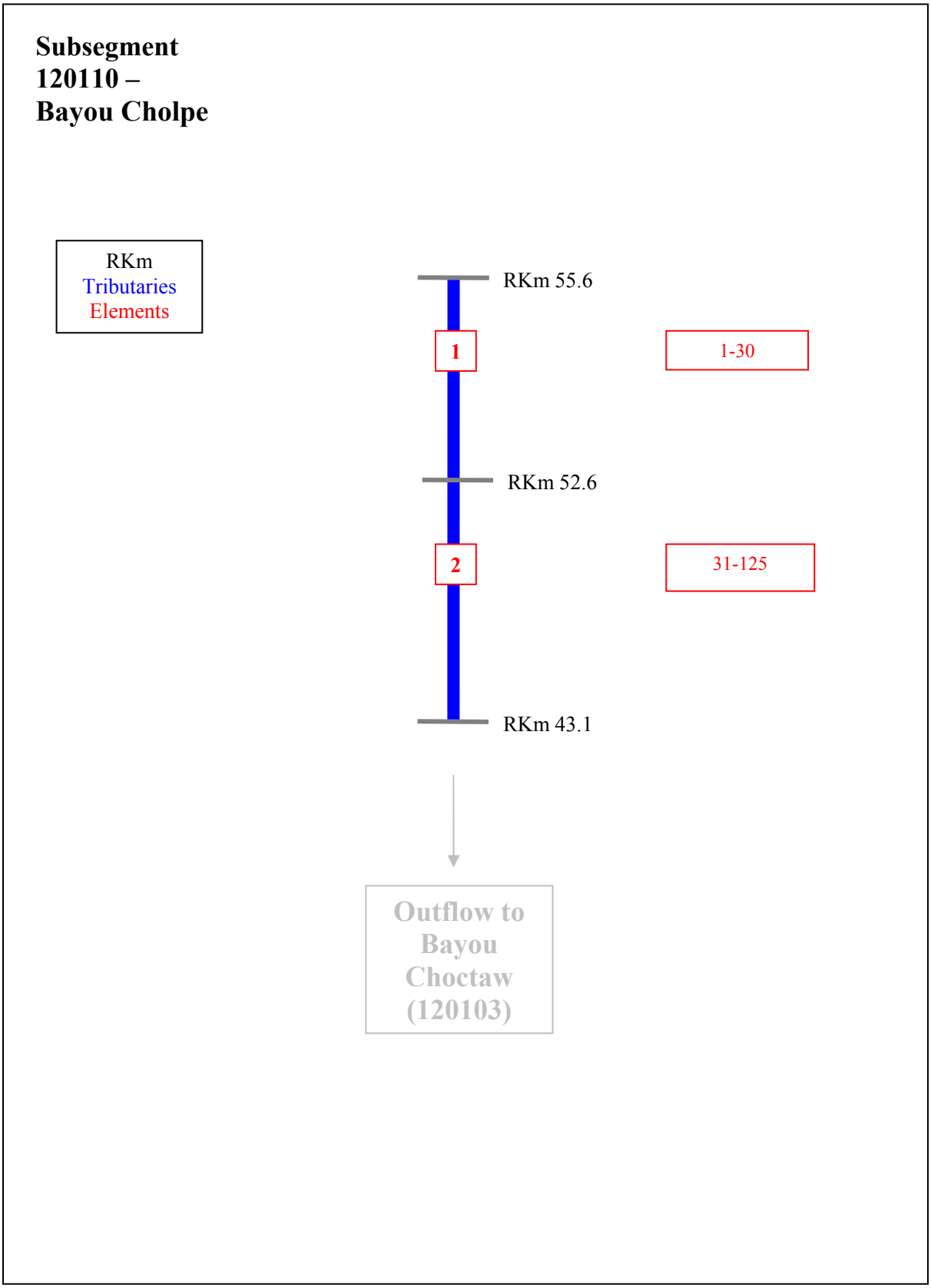


**Figure D-7. Vector diagram for subsegment 120110**

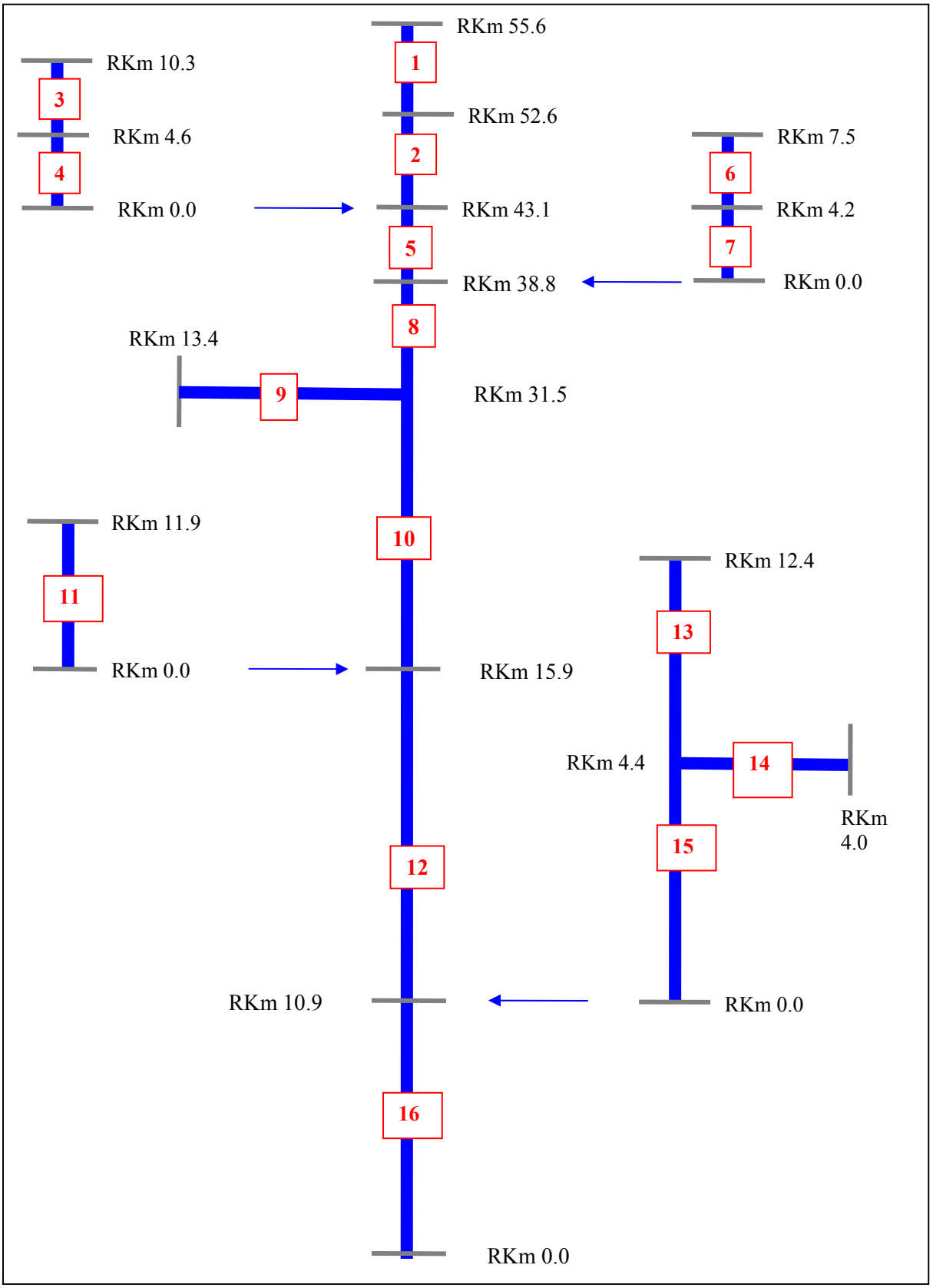


**Figure D-8 Combined vector diagram for the upper Terrebonne Basin**

# APPENDIX E:
# MODEL OUTPUT FOR CALIBRATION

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is D:\LA TMDL 2006\TO95\TT_Models\upperT\Upper Terrebonne calibration_wha.txt
Output produced at 14:54 on 10/08/2007

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE      CONTROL TITLES

TITLE01        LA-QUAL Model for Upper Terrebonne
TITLE02        Calibration Simulation for Upper Terrebonne model
CONTROL   YES   METR
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE      MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                    UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                    UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                    UNITS =
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE

PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
```

ENDATA05

$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA06

$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA07

$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$

| CARD TYPE | REACH ID | NAME | BEGIN km | | END km | ELEM km | REACH km | REACH LENGTH | ELEMS NUM | BEGIN ELEM NUM | END ELEM NUM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| REACH ID | 1 | B1 Bayou Cholpe #1 | 55.60 | TO | 52.60 | 0.1000 | 3.00 | 30 | 1 | 30 | |
| REACH ID | 2 | B2 Bayou Cholpe #2 | 52.60 | TO | 43.10 | 0.1000 | 9.50 | 95 | 31 | 125 | |
| REACH ID | 3 | P1 Bayou Poydras #1 | 10.30 | TO | 4.60 | 0.1000 | 5.70 | 57 | 126 | 182 | |
| REACH ID | 4 | P2 Bayou Poydras #2 | 4.60 | TO | 0.00 | 0.1000 | 4.60 | 46 | 183 | 228 | |
| REACH ID | 5 | CH Choctaw Bayou #1 | 43.10 | TO | 38.80 | 0.1000 | 4.30 | 43 | 229 | 271 | |
| REACH ID | 6 | C1 Chamberlin Canal #1 | 7.50 | TO | 4.20 | 0.1000 | 3.30 | 33 | 272 | 304 | |
| REACH ID | 7 | C2 Chamberlin Canal #2 | 4.20 | TO | 0.00 | 0.1000 | 4.20 | 42 | 305 | 346 | |
| REACH ID | 8 | CW Choctaw Bayou #2 | 38.80 | TO | 31.50 | 0.1000 | 7.30 | 73 | 347 | 419 | |
| REACH ID | 9 | I1 Intracoastal Waterway #1 | 13.40 | TO | 0.00 | 0.1000 | 13.40 | 134 | 420 | 553 | |
| REACH ID | 10 | I2 Intracoastal Waterway #2 | 31.50 | TO | 15.90 | 0.1000 | 15.60 | 156 | 554 | 709 | |
| REACH ID | 11 | BP Bayou Plaquemine | 11.90 | TO | 0.00 | 0.1000 | 11.90 | 119 | 710 | 828 | |
| REACH ID | 12 | I3 Intracoastal Waterway #3 | 15.90 | TO | 10.90 | 0.1000 | 5.00 | 50 | 829 | 878 | |
| REACH ID | 13 | U1 Upper Grand River #1 | 12.40 | TO | 4.00 | 0.1000 | 8.40 | 84 | 879 | 962 | |
| REACH ID | 14 | LF Lower Flat River | 4.40 | TO | 0.00 | 0.1000 | 4.40 | 44 | 963 | 1006 | |
| REACH ID | 15 | U2 Upper Grand River #2 | 4.00 | TO | 0.00 | 0.1000 | 4.00 | 40 | 1007 | 1046 | |
| REACH ID | 16 | I4 Intracoastal Waterway #4 | 10.90 | TO | 0.00 | 0.1000 | 10.90 | 109 | 1047 | 1155 | |

ENDATA08

$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$

| CARD TYPE | REACH ID | WIDTH "A" | WIDTH "B" | WIDTH "C" | WIDTH "D" | WIDTH "E" | DEPTH "F" | DEPTH "N" | DEPTH | SLOPE | MANNINGS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HYDR-1 | 1 B1 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 | 0.250 | 0.00000 | 0.000 | | |
| HYDR-1 | 2 B2 | 0.000 | 0.000 | 10.000 | 0.000 | 0.000 | 1.000 | 0.00000 | 0.000 | | |
| HYDR-1 | 3 P1 | 0.000 | 0.000 | 4.000 | 0.000 | 0.000 | 0.300 | 0.00000 | 0.000 | | |
| HYDR-1 | 4 P2 | 0.000 | 0.000 | 8.000 | 0.000 | 0.000 | 0.600 | 0.00000 | 0.000 | | |
| HYDR-1 | 5 CH | 0.000 | 0.000 | 34.000 | 0.000 | 0.000 | 2.400 | 0.00000 | 0.000 | | |
| HYDR-1 | 6 C1 | 0.000 | 0.000 | 2.000 | 0.000 | 0.000 | 0.100 | 0.00000 | 0.000 | | |
| HYDR-1 | 7 C2 | 0.000 | 0.000 | 5.000 | 0.000 | 0.000 | 0.300 | 0.00000 | 0.000 | | |

```
HYDR-1     8  CW     0.000     0.000    47.000     0.000     0.000     2.800    0.00000  0.000
HYDR-1     9  I1     0.000     0.000    76.000     0.000     0.000     3.000    0.00000  0.000
HYDR-1    10  I2     0.000     0.000    76.000     0.000     0.000     3.000    0.00000  0.000
HYDR-1    11  BP     0.000     0.000    30.000     0.000     0.000     1.100    0.00000  0.000
HYDR-1    12  I3     0.000     0.000    80.000     0.000     0.000     3.200    0.00000  0.000
HYDR-1    13  U1     0.000     0.000    88.000     0.000     0.000     1.100    0.00000  0.000
HYDR-1    14  LF     0.000     0.000    64.000     0.000     0.000     0.800    0.00000  0.000
HYDR-1    15  U2     0.000     0.000    62.000     0.000     0.000     1.300    0.00000  0.000
HYDR-1    16  I4     0.000     0.000    70.000     0.000     0.000     2.500    0.00000  0.000
ENDATA09

$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                RANGE     "A"         "B"         "C"         "D"

ENDATA10

$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$

CARD TYPE     REACH  ID      TEMP    SALIN      DO      NH3    NO3+2     PHOS    CHL A    MACRO

INITIAL        1  B1     24.60     0.00     4.08     0.20     0.00     0.00     0.00     0.00
INITIAL        2  B2     29.00     0.00     5.15     0.20     0.00     0.00     0.00     0.00
INITIAL        3  P1     27.00     0.00     0.31     0.20     0.00     0.00     0.00     0.00
INITIAL        4  P2     27.00     0.00     0.31     0.20     0.00     0.00     0.00     0.00
INITIAL        5  CH     29.00     0.00     5.15     0.20     0.00     0.00     0.00     0.00
INITIAL        6  C1     26.30     0.00     2.15     0.20     0.00     0.00     0.00     0.00
INITIAL        7  C2     29.00     0.00     4.86     0.20     0.00     0.00     0.00     0.00
INITIAL        8  CW     31.30     0.00    16.18     0.20     0.00     0.00    66.00     0.00
INITIAL        9  I1     29.80     0.00     7.42     0.20     0.00     0.00     0.00     0.00
INITIAL       10  I2     30.40     0.00     6.31     0.20     0.00     0.00     0.00     0.00
INITIAL       11  BP     29.10     0.00     4.07     0.20     0.00     0.00    58.00     0.00
INITIAL       12  I3     29.30     0.00     2.49     0.20     0.00     0.00     0.00     0.00
INITIAL       13  U1     31.50     0.00     3.33     0.20     0.00     0.00    32.00     0.00
INITIAL       14  LF     30.50     0.00     5.45     0.20     0.00     0.00     0.00     0.00
INITIAL       15  U2     30.80     0.00     3.20     0.20     0.00     0.00    38.00     0.00
INITIAL       16  I4     30.10     0.00     2.72     0.20     0.00     0.00     0.00     0.00
ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                BOD    ANAER                    BOD2    ANAER
CARD    RCH  RCH  K2              K2      K2      K2   BKGRND     BOD      BOD     CONV     BOD2     BOD2     BOD2     CONV     BOD2
TYPE    NUM   ID  OPT            "A"     "B"     "C"     SOD    DECAY     SETT   TO SOD    DECAY    DECAY     SETT   TO SOD    DECAY
                                       g/m≤/d  per day     m/d          per day  per day     m/d          per day

COEFF-1   1  B1   3 OCONNER-DOBB   0.000   0.000   0.000   0.700   0.130   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   2  B2   3 OCONNER-DOBB   0.000   0.000   0.000   0.700   0.130   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   3  P1   3 OCONNER-DOBB   0.000   0.000   0.000   1.000   0.100   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   4  P2   3 OCONNER-DOBB   0.000   0.000   0.000   0.900   0.100   0.000   0.000   0.000   0.000   0.000   0.000   0.000
```

```
COEFF-1   5  CH   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.110    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   6  C1   3 OCONNER-DOBB    0.000    0.000    0.000    1.300    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7  C2   3 OCONNER-DOBB    0.000    0.000    0.000    1.300    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   8  CW   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.110    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   9  I1   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  10  I2   3 OCONNER-DOBB    0.000    0.000    0.000    1.300    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  11  BP   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.110    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  12  I3   3 OCONNER-DOBB    0.000    0.000    0.000    0.700    0.200    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  13  U1   3 OCONNER-DOBB    0.000    0.000    0.000    1.600    0.300    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  14  LF   3 OCONNER-DOBB    0.000    0.000    0.000    1.300    0.300    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  15  U2   3 OCONNER-DOBB    0.000    0.000    0.000    1.600    0.300    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  16  I4   3 OCONNER-DOBB    0.000    0.000    0.000    0.700    0.200    0.000    0.000    0.000    0.000    0.000    0.000    0.000
ENDATA12

$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$

CARD TYPE     REACH  ID      ORG-N     ORG-N   ORGN CONV      NH3      NH3     PHOS     DENIT
                          DECA     SETT  TO NH3 SRCE     DECA     SRCE     SRCE     RATE

COEFF-2        1  B1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        2  B2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        3  P1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        4  P2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        5  CH     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        6  C1     0.010    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        7  C2     0.010    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        8  CW     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        9  I1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       10  I2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       11  BP     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       12  I3     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       13  U1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       14  LF     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       15  U2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       16  I4     0.020    0.000    0.000     0.200    0.000    0.000    0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$

CARD TYPE     REACH  ID     SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
                          DEPTH    CHL A     SETT     TO SOD     GROW     RESP     GROW     RESP   SHADING

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE     REACH  ID   COLIFORM      NCM      NCM   NCM CONV
                          DIE-OFF    DECAY     SETT     TO SOD

ENDATA15
```

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

| CARD TYPE | REACH | ID | OUTFLOW | INFLOW | TEMP | SALIN | CM-I | CM-II | IN/DIST | OUT/DIST |
|---|---|---|---|---|---|---|---|---|---|---|
| INCR-1 | 1 | B1 | 0.00000 | 0.00000 | 24.56 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 2 | B2 | 0.00000 | 0.58470 | 24.56 | 0.00 | 0.00 | 0.00 | 0.06155 | 0.00000 |
| INCR-1 | 3 | P1 | 0.00000 | 0.00000 | 26.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 4 | P2 | 0.00000 | 0.18880 | 26.00 | 0.00 | 0.00 | 0.00 | 0.04104 | 0.00000 |
| INCR-1 | 5 | CH | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 6 | C1 | 0.00000 | 0.00150 | 26.00 | 0.00 | 0.00 | 0.00 | 0.00045 | 0.00000 |
| INCR-1 | 7 | C2 | 0.00000 | 0.00500 | 26.00 | 0.00 | 0.00 | 0.00 | 0.00119 | 0.00000 |
| INCR-1 | 8 | CW | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 9 | I1 | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 10 | I2 | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 11 | BP | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 12 | I3 | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 13 | U1 | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 14 | LF | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 15 | U2 | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |
| INCR-1 | 16 | I4 | 0.00000 | 0.00000 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00000 | 0.00000 |

ENDATA16

$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

| CARD TYPE | REACH | ID | DO | BOD | ORG-N | NH3-N | NO3-N | BOD#2 |
|---|---|---|---|---|---|---|---|---|
| INCR-2 | 1 | B1 | 4.08 | 9.30 | 1.50 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 2 | B2 | 4.08 | 9.30 | 1.50 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 3 | P1 | 4.00 | 38.00 | 2.80 | 0.00 | 1.00 | 0.00 |
| INCR-2 | 4 | P2 | 4.00 | 38.00 | 2.80 | 0.00 | 1.00 | 0.00 |
| INCR-2 | 5 | CH | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 6 | C1 | 4.00 | 25.00 | 2.40 | 0.00 | 0.05 | 0.00 |
| INCR-2 | 7 | C2 | 4.00 | 25.00 | 2.40 | 0.00 | 0.05 | 0.00 |
| INCR-2 | 8 | CW | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 9 | I1 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 10 | I2 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 11 | BP | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 12 | I3 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 13 | U1 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 14 | LF | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 15 | U2 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| INCR-2 | 16 | I4 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

| CARD TYPE | REACH | ID | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

| CARD TYPE | REACH | ID | BOD#1 | ORG-N | COLI | NCM | DO | BOD#2 |
|---|---|---|---|---|---|---|---|---|
| NONPOINT | 1 | B1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 2 | B2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 3 | P1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 4 | P2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 5 | CH | 820.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 6 | C1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 7 | C2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 8 | CW | 1800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 9 | I1 | 900.00 | 140.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 10 | I2 | 1400.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 11 | BP | 2500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 12 | I3 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 13 | U1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 14 | LF | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 15 | U2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NONPOINT | 16 | I4 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$

| CARD TYPE | ELEMENT | NAME | UNIT | FLOW | FLOW | TEMP | SALIN | CM-I | CM-II |
|---|---|---|---|---|---|---|---|---|---|
| | | | m≥/s | cfs | deg C | ppt | | | |
| HDWTR-1 | 1 | Bayou Cholpe #1 | 0 | 0.09485 | 3.349 | 24.60 | 0.00 | 0.000 | 0.000 | 0.00 |
| HDWTR-1 | 126 | Bayou Poydras #1 | 0 | 0.06597 | 2.329 | 27.00 | 0.00 | 0.000 | 0.000 | 0.00 |
| HDWTR-1 | 272 | Chamberlin Canal #1 | 0 | 0.00050 | 0.018 | 26.30 | 0.00 | 0.000 | 0.000 | 0.00 |
| HDWTR-1 | 420 | Intracoastal Waterwa | 0 | 7.53000 | 265.890 | 29.80 | 0.00 | 0.000 | 0.000 | 0.00 |
| HDWTR-1 | 710 | Bayou Plaquemine | 0 | 0.77000 | 27.189 | 29.10 | 0.00 | 0.000 | 0.000 | 0.00 |
| HDWTR-1 | 879 | Upper Grand River #1 | 0 | 3.94000 | 139.124 | 30.50 | 0.00 | 0.000 | 0.000 | 0.00 |
| HDWTR-1 | 963 | Lower Flat River | 0 | 1.97000 | 69.562 | 31.50 | 0.00 | 0.000 | 0.000 | 0.00 |

ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

| CARD TYPE | ELEMENT | NAME | DO | BOD#1 | ORG-N | NH3-N | NO3-N | BOD#2 |
|---|---|---|---|---|---|---|---|---|
| | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| HDWTR-2 | 1 | Bayou Cholpe #1 | 4.10 | 4.70 | 2.40 | 0.03 | 1.50 | 0.00 |
| HDWTR-2 | 126 | Bayou Poydras #1 | 0.30 | 30.67 | 1.54 | 0.20 | 0.00 | 0.00 |
| HDWTR-2 | 272 | Chamberlin Canal #1 | 2.10 | 9.28 | 1.18 | 0.10 | 0.07 | 0.00 |
| HDWTR-2 | 420 | Intracoastal Waterwa | 7.40 | 2.20 | 1.10 | 0.03 | 1.70 | 0.00 |
| HDWTR-2 | 710 | Bayou Plaquemine | 4.10 | 4.93 | 1.60 | 0.00 | 1.60 | 0.00 |
| HDWTR-2 | 879 | Upper Grand River #1 | 3.30 | 16.00 | 1.40 | 0.03 | 1.60 | 0.00 |
| HDWTR-2 | 963 | Lower Flat River | 5.50 | 12.00 | 1.40 | 0.03 | 0.00 | 0.00 |

ENDATA21

$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

| CARD TYPE | ELEMENT | NAME | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|
| | | | mg/L | mg/L | mg/L | mg/L |

ENDATA22

$$$ DATA TYPE 23 (JUNCTION DATA) $$$

| CARD TYPE | JUNCTION ELEMENT | UPSTRM ELEMENT | RIVER KILOM | NAME |
|---|---|---|---|---|
| JUNCTION | 229 | 125 | 43.10 | Bayou Cholpe confluence with Bayou Poydrus |
| JUNCTION | 347 | 271 | 38.80 | Chactaw Bayou confluence with Chamberlin Canal |
| JUNCTION | 554 | 419 | 31.50 | Intracoastal Waterway confluence with Chactaw Bayou |
| JUNCTION | 829 | 709 | 15.90 | Intracoastal Waterway confluence with Bayou Plaquemine |
| JUNCTION | 1007 | 962 | 4.00 | Upper Grand River confluence with Lower Flat River |
| JUNCTION | 1047 | 878 | 10.90 | Intracoastal Waterway confluence with Upper Grand River |

ENDATA23

$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

| CARD TYPE | ELEMENT | RKILO | NAME | FLOW m≥/s | FLOW cfs | FLOW MGD | TEMP deg C | SALIN ppt | CM-I | CM-II |
|---|---|---|---|---|---|---|---|---|---|---|
| WSTLD-1 | 1 | 55.60 | LA0003034 | 0.00000 | 0.00000 | 0.000 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 148 | 8.10 | LAG540069 | 0.00013 | 0.00459 | 0.003 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 151 | 7.80 | LAG531697 | 0.00003 | 0.00106 | 0.001 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 158 | 7.10 | LAG540858 | 0.00028 | 0.00989 | 0.006 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 159 | 7.00 | LAG531903 | 0.00000 | 0.00000 | 0.000 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 164 | 6.50 | LAG531990 | 0.00007 | 0.00247 | 0.002 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 186 | 4.30 | LAG540898 | 0.00175 | 0.06179 | 0.040 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 187 | 4.20 | LAG540785 | 0.00053 | 0.01871 | 0.012 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 230 | 43.00 | Stumpy Bayou | 0.37939 | 13.39654 | 8.660 | 26.50 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 271 | 38.90 | LAG530786 | 0.00022 | 0.00777 | 0.005 | 29.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 296 | 5.10 | LA0121185 | 0.00000 | 0.00000 | 0.000 | 29.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 305 | 4.20 | LAG540783 | 0.00215 | 0.07592 | 0.049 | 27.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 366 | 36.90 | Unknown Trib #1 | 0.23500 | 8.29802 | 5.364 | 27.60 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 367 | 36.80 | PS 120103 | 0.01882 | 0.66455 | 0.430 | 27.60 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 428 | 12.60 | PS 120109#2 | 0.00105 | 0.03708 | 0.024 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 456 | 9.80 | LAG560237 | 0.00031 | 0.01095 | 0.007 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 463 | 9.10 | LA0068501 | 0.01314 | 0.46398 | 0.300 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 550 | 0.40 | PS 120109#1 | 0.01936 | 0.68362 | 0.442 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 566 | 30.30 | LAG531616 | 0.00001 | 0.00035 | 0.000 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 623 | 24.60 | Unknown Trib #2 | 0.00010 | 0.00353 | 0.002 | 31.50 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 656 | 21.30 | Unknown Trib #3 | 0.00010 | 0.00353 | 0.002 | 31.50 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 666 | 20.30 | PS 120109#3 | 0.00455 | 0.16066 | 0.104 | 28.00 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 674 | 19.50 | Unknown Trib #4 | 0.00010 | 0.00353 | 0.002 | 31.50 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 678 | 19.10 | Bayou Grosse Tete #2 | 1.35901 | 47.98764 | 31.020 | 29.00 | 0.00 | 0.000 | 0.000 |

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WSTLD-1    703    16.60  LAG531362        0.00004   0.00141   0.001   28.00    0.00    0.000    0.000
WSTLD-1    739     9.00  LA0020648       0.06572   2.32062   1.500   28.00    0.00    0.000    0.000
WSTLD-1    779     5.00  LAG570359        0.00285   0.10064   0.065   28.00    0.00    0.000    0.000
WSTLD-1    782     4.70  LAG540102        0.00105   0.03708   0.024   28.00    0.00    0.000    0.000
WSTLD-1    785     4.40  LAG531065        0.00022   0.00777   0.005   28.00    0.00    0.000    0.000
WSTLD-1    796     3.30  LAG540784        0.00011   0.00388   0.003   28.00    0.00    0.000    0.000
WSTLD-1    907     9.60  Superior Canal   0.96829  34.19103  22.102   30.50    0.00    0.000    0.000
ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                        % BOD                  %
CARD TYPE    ELEMENT   NAME                 DO     BOD     RMVL    ORG-N    NH3-N   NITRIF    NO3-N    BOD#2
                                   mg/L    mg/L          mg/L    mg/L          mg/L    mg/L

WSTLD-2        1    LA0003034          4.00    10.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      148    LAG540069          5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      151    LAG531697          5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      158    LAG540858          5.00    30.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      159    LAG531903          5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      164    LAG531990          5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      186    LAG540898          5.00    30.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      187    LAG540785          5.00    30.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      230    Stumpy Bayou       3.60     9.90     0.00     1.00     0.10     0.00     1.00     0.00
WSTLD-2      271    LAG530786          5.00    45.00     0.00     1.20     1.50     0.00     2.00     0.00
WSTLD-2      296    LA0121185          5.00    45.00     0.00     1.20     1.50     0.00     2.00     0.00
WSTLD-2      305    LAG540783          5.00    30.00     0.00     2.00     1.50     0.00     0.50     0.00
WSTLD-2      366    Unknown Trib #1    3.10     4.30     0.00     1.50     1.50     0.00     0.10     0.00
WSTLD-2      367    PS 120103          3.10    27.70     0.00     1.50     1.50     0.00     0.10     0.00
WSTLD-2      428    PS 120109#2        5.00    30.90     0.00     1.10     1.50     0.00    10.00     0.00
WSTLD-2      456    LAG560237          5.00    20.00     0.00     1.10     1.50     0.00     1.70     0.00
WSTLD-2      463    LA0068501          5.00    10.00     0.00     1.10     4.00     0.00    10.00     0.00
WSTLD-2      550    PS 120109#1        5.00    14.80     0.00     1.10     3.50     0.00    10.00     0.00
WSTLD-2      566    LAG531616          5.00    45.00     0.00     1.10     1.50     0.00    10.00     0.00
WSTLD-2      623    Unknown Trib #2    6.30     3.00     0.00     1.20     0.10     0.00     1.50     0.00
WSTLD-2      656    Unknown Trib #3    6.30     3.00     0.00     1.20     0.10     0.00     1.50     0.00
WSTLD-2      666    PS 120109#3        5.00    15.20     0.00     1.10     1.50     0.00    10.00     0.00
WSTLD-2      674    Unknown Trib #4    6.30     3.00     0.00     1.20     0.10     0.00     1.50     0.00
WSTLD-2      678    Bayou Grosse Tete #2   2.00     3.50     0.00     1.10     0.03     0.00     0.00     0.00
WSTLD-2      703    LAG531362          5.00    45.00     0.00     1.10     1.50     0.00     1.70     0.00
WSTLD-2      739    LA0020648          5.00    30.00     0.00     1.60     4.00     0.00     1.60     0.00
WSTLD-2      779    LAG570359          5.00    10.00     0.00     1.60     1.50     0.00     1.60     0.00
WSTLD-2      782    LAG540102          5.00    30.00     0.00     1.60     1.50     0.00     1.60     0.00
WSTLD-2      785    LAG531065          5.00    45.00     0.00     1.60     1.50     0.00     1.60     0.00
WSTLD-2      796    LAG540784          5.00    30.00     0.00     1.60     1.50     0.00     1.60     0.00
WSTLD-2      907    Superior Canal     5.50    10.00     0.00     1.40     0.10     0.00     0.00     0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

CARD TYPE    ELEMENT   NAME                 PHOS    CHL A     COLI      NCM
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                                mg/L     mg/L     mg/L     mg/L

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$

CARD TYPE    CONSTITUENT                CONCENTRATION

ENDATA27

$$$ DATA TYPE 28 (DAM DATA) $$$

CARD TYPE    ELEMENT   NAME              EQN     "A"     "B"     "H"

ENDATA28

$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

CARD TYPE      PARAMETER     COL 1     COL 2     COL 3     COL 4     COL 5     COL 6     COL 7     COL 8

ENDATA29

$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$
NUMBER OF PLOTS =  8
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  3  4
NUMBER OF REACHES IN PLOT 2 =   2
PLOT RCH  1  2
NUMBER OF REACHES IN PLOT 3 =   2
PLOT RCH  5  8
NUMBER OF REACHES IN PLOT 4 =   2
PLOT RCH  6  7
NUMBER OF REACHES IN PLOT 5 =   4
PLOT RCH  9 10 12 16
NUMBER OF REACHES IN PLOT 6 =   1
PLOT RCH 11
NUMBER OF REACHES IN PLOT 7 =   2
PLOT RCH 13 15
NUMBER OF REACHES IN PLOT 8 =   1
PLOT RCH 14
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 bayou poydras.OVL            :Bayou Poydras
OVERLAY 2 bayou cholpe.OVL             :Bayou Cholpe
OVERLAY 3 choctaw bayou.OVL            :Choctaw Bayou
OVERLAY 4 chamberlin canal.OVL         :Chamberlin Canal
OVERLAY 5 icw.OVL                      :Intracoastal Waterway
OVERLAY 6 bayou plaquemine.OVL         :Bayou Plaquemine
OVERLAY 7 upper grand river.OVL        :Upper Grand River
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OVERLAY 8 lower flat river.OVL :Lower Flat River
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 24 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING: NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
.....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
.....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
.....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
.....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15
.....GRAPHICS DATA FOR PLOT 6 WRITTEN TO UNIT 16
.....GRAPHICS DATA FOR PLOT 7 WRITTEN TO UNIT 17
.....GRAPHICS DATA FOR PLOT 8 WRITTEN TO UNIT 18
INTERMEDIATE REPORT
Dissolved Oxygen LA-QUAL Model for Upper Terrebonne
mg/L Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 4.22 | 4.34 | 4.45 | 4.56 | 4.67 | 4.77 | 4.87 | 4.96 | 5.05 | 5.14 |
| B1 | 1 | 11 | 5.22 | 5.30 | 5.38 | 5.45 | 5.52 | 5.59 | 5.65 | 5.71 | 5.77 | 5.83 |
| B1 | 1 | 21 | 5.88 | 5.93 | 5.98 | 6.03 | 6.07 | 6.11 | 6.15 | 6.19 | 6.23 | 6.26 |
| B2 | 2 | 31 | 6.03 | 5.84 | 5.68 | 5.54 | 5.43 | 5.33 | 5.24 | 5.17 | 5.10 | 5.04 |
| B2 | 2 | 41 | 4.99 | 4.95 | 4.91 | 4.87 | 4.84 | 4.81 | 4.78 | 4.75 | 4.73 | 4.71 |
| B2 | 2 | 51 | 4.69 | 4.67 | 4.66 | 4.64 | 4.63 | 4.62 | 4.61 | 4.59 | 4.58 | 4.57 |
| B2 | 2 | 61 | 4.56 | 4.56 | 4.55 | 4.54 | 4.53 | 4.53 | 4.52 | 4.52 | 4.51 | 4.51 |
| B2 | 2 | 71 | 4.51 | 4.51 | 4.51 | 4.51 | 4.51 | 4.51 | 4.52 | 4.52 | 4.52 | 4.53 |
| B2 | 2 | 81 | 4.53 | 4.53 | 4.54 | 4.54 | 4.55 | 4.56 | 4.56 | 4.57 | 4.57 | 4.58 |
| B2 | 2 | 91 | 4.59 | 4.59 | 4.60 | 4.61 | 4.62 | 4.62 | 4.63 | 4.64 | 4.64 | 4.65 |
| B2 | 2 | 101 | 4.66 | 4.67 | 4.67 | 4.68 | 4.69 | 4.70 | 4.71 | 4.71 | 4.72 | 4.73 |
| B2 | 2 | 111 | 4.74 | 4.74 | 4.75 | 4.76 | 4.77 | 4.77 | 4.78 | 4.79 | 4.80 | 4.81 |
| B2 | 2 | 121 | 4.81 | 4.82 | 4.83 | 4.84 | 4.84 | | | | | |
| CH | 5 | 229 | 4.34 | 3.93 | 3.73 | 3.55 | 3.38 | 3.22 | 3.08 | 2.94 | 2.82 | 2.70 |
| CH | 5 | 239 | 2.60 | 2.50 | 2.42 | 2.34 | 2.27 | 2.22 | 2.17 | 2.13 | 2.10 | 2.08 |
| CH | 5 | 249 | 2.06 | 2.06 | 2.06 | 2.07 | 2.09 | 2.12 | 2.15 | 2.19 | 2.24 | 2.29 |
| CH | 5 | 259 | 2.35 | 2.42 | 2.49 | 2.57 | 2.66 | 2.75 | 2.85 | 2.96 | 3.07 | 3.19 |
| CH | 5 | 269 | 3.31 | 3.44 | 3.57 | | | | | | | |
| CW | 8 | 347 | 3.96 | 4.32 | 4.66 | 4.98 | 5.28 | 5.56 | 5.83 | 6.08 | 6.31 | 6.53 |
| CW | 8 | 357 | 6.73 | 6.92 | 7.09 | 7.25 | 7.40 | 7.54 | 7.66 | 7.77 | 7.87 | 7.23 |
| CW | 8 | 367 | 7.24 | 7.30 | 7.35 | 7.39 | 7.43 | 7.46 | 7.48 | 7.50 | 7.51 | 7.52 |
| CW | 8 | 377 | 7.52 | 7.52 | 7.51 | 7.49 | 7.47 | 7.44 | 7.41 | 7.37 | 7.33 | 7.29 |
| CW | 8 | 387 | 7.24 | 7.18 | 7.12 | 7.06 | 6.99 | 6.92 | 6.84 | 6.76 | 6.68 | 6.59 |
| CW | 8 | 397 | 6.50 | 6.40 | 6.31 | 6.20 | 6.10 | 5.99 | 5.88 | 5.76 | 5.64 | 5.52 |
| CW | 8 | 407 | 5.40 | 5.27 | 5.14 | 5.01 | 4.88 | 4.74 | 4.60 | 4.46 | 4.32 | 4.17 |
| CW | 8 | 417 | 4.02 | 3.87 | 3.72 | | | | | | | |
| I2 | 10 | 554 | 5.08 | 5.05 | 5.02 | 4.99 | 4.97 | 4.94 | 4.91 | 4.89 | 4.86 | 4.84 |
| I2 | 10 | 564 | 4.81 | 4.79 | 4.76 | 4.74 | 4.71 | 4.69 | 4.67 | 4.64 | 4.62 | 4.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I2 | 10 | 574 | 4.58 | 4.55 | 4.53 | 4.51 | 4.49 | 4.47 | 4.45 | 4.43 | 4.40 | 4.38 |
| I2 | 10 | 584 | 4.36 | 4.34 | 4.33 | 4.31 | 4.29 | 4.27 | 4.25 | 4.23 | 4.21 | 4.19 |
| I2 | 10 | 594 | 4.18 | 4.16 | 4.14 | 4.12 | 4.11 | 4.09 | 4.07 | 4.06 | 4.04 | 4.02 |
| I2 | 10 | 604 | 4.01 | 3.99 | 3.98 | 3.96 | 3.95 | 3.93 | 3.92 | 3.90 | 3.89 | 3.87 |
| I2 | 10 | 614 | 3.86 | 3.85 | 3.83 | 3.82 | 3.80 | 3.79 | 3.78 | 3.76 | 3.75 | 3.74 |
| I2 | 10 | 624 | 3.73 | 3.71 | 3.70 | 3.69 | 3.68 | 3.67 | 3.65 | 3.64 | 3.63 | 3.62 |
| I2 | 10 | 634 | 3.61 | 3.60 | 3.59 | 3.58 | 3.56 | 3.55 | 3.54 | 3.53 | 3.52 | 3.51 |
| I2 | 10 | 644 | 3.50 | 3.49 | 3.48 | 3.47 | 3.47 | 3.46 | 3.45 | 3.44 | 3.43 | 3.42 |
| I2 | 10 | 654 | 3.41 | 3.40 | 3.39 | 3.39 | 3.38 | 3.37 | 3.36 | 3.35 | 3.34 | 3.34 |
| I2 | 10 | 664 | 3.33 | 3.32 | 3.32 | 3.31 | 3.30 | 3.29 | 3.29 | 3.28 | 3.27 | 3.26 |
| I2 | 10 | 674 | 3.26 | 3.25 | 3.24 | 3.24 | 3.07 | 3.07 | 3.06 | 3.06 | 3.05 | 3.05 |
| I2 | 10 | 684 | 3.05 | 3.04 | 3.04 | 3.03 | 3.03 | 3.02 | 3.02 | 3.02 | 3.01 | 3.01 |
| I2 | 10 | 694 | 3.00 | 3.00 | 3.00 | 2.99 | 2.99 | 2.99 | 2.98 | 2.98 | 2.98 | 2.97 |
| I2 | 10 | 704 | 2.97 | 2.97 | 2.96 | 2.96 | 2.96 | 2.95 | | | | |
| I3 | 12 | 829 | 2.91 | 2.89 | 2.88 | 2.86 | 2.85 | 2.83 | 2.82 | 2.81 | 2.79 | 2.78 |
| I3 | 12 | 839 | 2.77 | 2.76 | 2.74 | 2.73 | 2.72 | 2.71 | 2.70 | 2.69 | 2.68 | 2.67 |
| I3 | 12 | 849 | 2.66 | 2.65 | 2.64 | 2.63 | 2.62 | 2.61 | 2.60 | 2.59 | 2.59 | 2.58 |
| I3 | 12 | 859 | 2.57 | 2.56 | 2.56 | 2.55 | 2.54 | 2.54 | 2.53 | 2.53 | 2.52 | 2.51 |
| I3 | 12 | 869 | 2.51 | 2.50 | 2.50 | 2.49 | 2.49 | 2.49 | 2.48 | 2.48 | 2.47 | 2.47 |
| I4 | 16 | 1047 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.87 |
| I4 | 16 | 1057 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 |
| I4 | 16 | 1067 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.89 | 2.89 | 2.89 |
| I4 | 16 | 1077 | 2.89 | 2.89 | 2.89 | 2.89 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 |
| I4 | 16 | 1087 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 |
| I4 | 16 | 1097 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 |
| I4 | 16 | 1107 | 2.95 | 2.95 | 2.95 | 2.95 | 2.96 | 2.96 | 2.96 | 2.96 | 2.97 | 2.97 |
| I4 | 16 | 1117 | 2.97 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 | 2.99 |
| I4 | 16 | 1127 | 3.00 | 3.00 | 3.00 | 3.01 | 3.01 | 3.01 | 3.01 | 3.02 | 3.02 | 3.02 |
| I4 | 16 | 1137 | 3.03 | 3.03 | 3.03 | 3.03 | 3.04 | 3.04 | 3.04 | 3.05 | 3.05 | 3.05 |
| I4 | 16 | 1147 | 3.06 | 3.06 | 3.06 | 3.07 | 3.07 | 3.07 | 3.07 | 3.08 | 3.08 | |
| P1 | 3 | 126 | 1.11 | 1.77 | 2.33 | 2.82 | 3.25 | 3.64 | 3.97 | 4.27 | 4.53 | 4.76 |
| P1 | 3 | 136 | 4.97 | 5.15 | 5.31 | 5.45 | 5.57 | 5.68 | 5.77 | 5.86 | 5.93 | 6.00 |
| P1 | 3 | 146 | 6.06 | 6.11 | 6.16 | 6.20 | 6.23 | 6.27 | 6.29 | 6.32 | 6.34 | 6.36 |
| P1 | 3 | 156 | 6.38 | 6.40 | 6.41 | 6.42 | 6.43 | 6.44 | 6.45 | 6.46 | 6.47 | 6.48 |
| P1 | 3 | 166 | 6.48 | 6.49 | 6.50 | 6.50 | 6.51 | 6.51 | 6.52 | 6.52 | 6.52 | 6.53 |
| P1 | 3 | 176 | 6.53 | 6.53 | 6.54 | 6.54 | 6.54 | 6.54 | 6.55 | | | |
| P2 | 4 | 183 | 6.10 | 5.74 | 5.44 | 5.18 | 4.97 | 4.79 | 4.65 | 4.52 | 4.42 | 4.34 |
| P2 | 4 | 193 | 4.27 | 4.21 | 4.16 | 4.12 | 4.09 | 4.06 | 4.04 | 4.03 | 4.02 | 4.01 |
| P2 | 4 | 203 | 4.00 | 4.00 | 4.00 | 4.00 | 4.01 | 4.01 | 4.02 | 4.02 | 4.03 | 4.04 |
| P2 | 4 | 213 | 4.05 | 4.06 | 4.07 | 4.08 | 4.09 | 4.10 | 4.11 | 4.12 | 4.14 | 4.15 |
| P2 | 4 | 223 | 4.16 | 4.17 | 4.18 | 4.19 | 4.20 | 4.21 | | | | |
| C1 | 6 | 272 | 4.65 | 5.16 | 5.25 | 5.32 | 5.38 | 5.44 | 5.49 | 5.53 | 5.57 | 5.61 |
| C1 | 6 | 282 | 5.64 | 5.67 | 5.70 | 5.72 | 5.74 | 5.77 | 5.78 | 5.79 | 5.78 | 5.76 |
| C1 | 6 | 292 | 5.74 | 5.73 | 5.71 | 5.69 | 5.67 | 5.65 | 5.63 | 5.62 | 5.60 | 5.58 |
| C1 | 6 | 302 | 5.56 | 5.54 | 5.53 | | | | | | | |
| C2 | 7 | 305 | 4.12 | 3.70 | 3.58 | 3.60 | 3.67 | 3.76 | 3.85 | 3.94 | 4.03 | 4.11 |
| C2 | 7 | 315 | 4.18 | 4.26 | 4.32 | 4.39 | 4.45 | 4.51 | 4.56 | 4.62 | 4.67 | 4.72 |
| C2 | 7 | 325 | 4.76 | 4.81 | 4.85 | 4.90 | 4.94 | 4.98 | 5.02 | 5.06 | 5.10 | 5.14 |
| C2 | 7 | 335 | 5.18 | 5.22 | 5.26 | 5.29 | 5.33 | 5.37 | 5.41 | 5.44 | 5.48 | 5.51 |
| C2 | 7 | 345 | 5.55 | 5.59 | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I1 | 9 | 420 | 7.37 | 7.35 | 7.32 | 7.30 | 7.27 | 7.25 | 7.22 | 7.20 | 7.17 | 7.15 |
| I1 | 9 | 430 | 7.12 | 7.10 | 7.07 | 7.05 | 7.03 | 7.01 | 6.98 | 6.96 | 6.94 | 6.92 |
| I1 | 9 | 440 | 6.89 | 6.87 | 6.85 | 6.83 | 6.81 | 6.79 | 6.77 | 6.75 | 6.73 | 6.71 |
| I1 | 9 | 450 | 6.69 | 6.67 | 6.65 | 6.63 | 6.61 | 6.59 | 6.57 | 6.55 | 6.54 | 6.52 |
| I1 | 9 | 460 | 6.50 | 6.48 | 6.46 | 6.44 | 6.43 | 6.41 | 6.39 | 6.37 | 6.36 | 6.34 |
| I1 | 9 | 470 | 6.32 | 6.31 | 6.29 | 6.27 | 6.26 | 6.24 | 6.23 | 6.21 | 6.20 | 6.18 |
| I1 | 9 | 480 | 6.17 | 6.15 | 6.14 | 6.12 | 6.11 | 6.09 | 6.08 | 6.06 | 6.05 | 6.04 |
| I1 | 9 | 490 | 6.02 | 6.01 | 6.00 | 5.98 | 5.97 | 5.96 | 5.94 | 5.93 | 5.92 | 5.91 |
| I1 | 9 | 500 | 5.90 | 5.88 | 5.87 | 5.86 | 5.85 | 5.84 | 5.82 | 5.81 | 5.80 | 5.79 |
| I1 | 9 | 510 | 5.78 | 5.77 | 5.76 | 5.75 | 5.74 | 5.73 | 5.72 | 5.71 | 5.69 | 5.68 |
| I1 | 9 | 520 | 5.67 | 5.67 | 5.66 | 5.65 | 5.64 | 5.63 | 5.62 | 5.61 | 5.60 | 5.59 |
| I1 | 9 | 530 | 5.58 | 5.57 | 5.56 | 5.55 | 5.55 | 5.54 | 5.53 | 5.52 | 5.51 | 5.50 |
| I1 | 9 | 540 | 5.50 | 5.49 | 5.48 | 5.47 | 5.46 | 5.46 | 5.45 | 5.44 | 5.43 | 5.43 |
| I1 | 9 | 550 | 5.42 | 5.41 | 5.40 | 5.39 | | | | | | |
| BP | 11 | 710 | 4.36 | 4.60 | 4.83 | 5.05 | 5.26 | 5.45 | 5.64 | 5.81 | 5.98 | 6.13 |
| BP | 11 | 720 | 6.27 | 6.41 | 6.54 | 6.66 | 6.77 | 6.87 | 6.96 | 7.05 | 7.13 | 7.20 |
| BP | 11 | 730 | 7.27 | 7.33 | 7.39 | 7.44 | 7.48 | 7.52 | 7.56 | 7.59 | 7.61 | 7.40 |
| BP | 11 | 740 | 7.38 | 7.37 | 7.36 | 7.34 | 7.32 | 7.30 | 7.27 | 7.25 | 7.22 | 7.19 |
| BP | 11 | 750 | 7.16 | 7.13 | 7.09 | 7.06 | 7.02 | 6.99 | 6.95 | 6.91 | 6.86 | 6.82 |
| BP | 11 | 760 | 6.78 | 6.73 | 6.69 | 6.64 | 6.59 | 6.54 | 6.49 | 6.44 | 6.39 | 6.34 |
| BP | 11 | 770 | 6.28 | 6.23 | 6.18 | 6.12 | 6.06 | 6.01 | 5.95 | 5.89 | 5.83 | 5.77 |
| BP | 11 | 780 | 5.71 | 5.65 | 5.59 | 5.53 | 5.47 | 5.41 | 5.35 | 5.28 | 5.22 | 5.16 |
| BP | 11 | 790 | 5.10 | 5.03 | 4.97 | 4.90 | 4.84 | 4.78 | 4.71 | 4.65 | 4.58 | 4.51 |
| BP | 11 | 800 | 4.45 | 4.38 | 4.32 | 4.25 | 4.18 | 4.12 | 4.05 | 3.98 | 3.92 | 3.85 |
| BP | 11 | 810 | 3.78 | 3.72 | 3.65 | 3.58 | 3.51 | 3.45 | 3.38 | 3.31 | 3.24 | 3.18 |
| BP | 11 | 820 | 3.11 | 3.04 | 2.97 | 2.91 | 2.84 | 2.77 | 2.70 | 2.64 | 2.57 | |
| U1 | 13 | 879 | 3.16 | 3.03 | 2.91 | 2.79 | 2.68 | 2.58 | 2.48 | 2.39 | 2.30 | 2.21 |
| U1 | 13 | 889 | 2.14 | 2.06 | 1.99 | 1.94 | 1.89 | 1.86 | 1.83 | 1.80 | 1.78 | 1.77 |
| U1 | 13 | 899 | 1.76 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 2.47 | 2.45 |
| U1 | 13 | 909 | 2.44 | 2.42 | 2.41 | 2.40 | 2.39 | 2.38 | 2.37 | 2.37 | 2.36 | 2.36 |
| U1 | 13 | 919 | 2.36 | 2.36 | 2.37 | 2.37 | 2.37 | 2.38 | 2.39 | 2.39 | 2.40 | 2.41 |
| U1 | 13 | 929 | 2.43 | 2.44 | 2.45 | 2.47 | 2.48 | 2.50 | 2.51 | 2.53 | 2.55 | 2.57 |
| U1 | 13 | 939 | 2.59 | 2.61 | 2.63 | 2.65 | 2.67 | 2.70 | 2.72 | 2.74 | 2.77 | 2.79 |
| U1 | 13 | 949 | 2.82 | 2.84 | 2.87 | 2.90 | 2.92 | 2.95 | 2.98 | 3.01 | 3.04 | 3.07 |
| U1 | 13 | 959 | 3.09 | 3.12 | 3.15 | 3.18 | | | | | | |
| U2 | 15 | 1007 | 3.40 | 3.42 | 3.44 | 3.45 | 3.47 | 3.48 | 3.50 | 3.51 | 3.52 | 3.53 |
| U2 | 15 | 1017 | 3.54 | 3.55 | 3.56 | 3.57 | 3.58 | 3.58 | 3.59 | 3.59 | 3.60 | 3.60 |
| U2 | 15 | 1027 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.59 | 3.59 | 3.59 |
| U2 | 15 | 1037 | 3.58 | 3.57 | 3.57 | 3.56 | 3.55 | 3.54 | 3.53 | 3.52 | 3.51 | 3.50 |
| LF | 14 | 963 | 5.32 | 5.15 | 4.99 | 4.84 | 4.70 | 4.57 | 4.45 | 4.33 | 4.23 | 4.13 |
| LF | 14 | 973 | 4.05 | 3.97 | 3.89 | 3.82 | 3.76 | 3.71 | 3.66 | 3.62 | 3.58 | 3.55 |
| LF | 14 | 983 | 3.52 | 3.50 | 3.48 | 3.47 | 3.46 | 3.45 | 3.45 | 3.45 | 3.46 | 3.47 |
| LF | 14 | 993 | 3.48 | 3.49 | 3.51 | 3.53 | 3.56 | 3.58 | 3.61 | 3.64 | 3.68 | 3.71 |
| LF | 14 | 1003 | 3.75 | 3.79 | 3.83 | 3.87 | | | | | | |

INTERMEDIATE REPORT

Effective BOD — LA-QUAL Model for Upper Terrebonne

mg/L — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 4.70 | 4.70 | 4.69 | 4.69 | 4.69 | 4.69 | 4.68 | 4.68 | 4.68 | 4.68 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 11 | 4.67 | 4.67 | 4.67 | 4.67 | 4.66 | 4.66 | 4.66 | 4.66 | 4.65 | 4.65 |
| B1 | 1 | 21 | 4.65 | 4.65 | 4.64 | 4.64 | 4.64 | 4.63 | 4.63 | 4.63 | 4.63 | 4.62 |
| B2 | 2 | 31 | 4.80 | 4.95 | 5.09 | 5.21 | 5.31 | 5.40 | 5.49 | 5.56 | 5.63 | 5.69 |
| B2 | 2 | 41 | 5.75 | 5.80 | 5.85 | 5.89 | 5.93 | 5.97 | 6.00 | 6.03 | 6.06 | 6.09 |
| B2 | 2 | 51 | 6.12 | 6.14 | 6.16 | 6.19 | 6.21 | 6.23 | 6.24 | 6.26 | 6.28 | 6.29 |
| B2 | 2 | 61 | 6.31 | 6.32 | 6.33 | 6.35 | 6.36 | 6.37 | 6.38 | 6.39 | 6.40 | 6.41 |
| B2 | 2 | 71 | 6.42 | 6.43 | 6.44 | 6.44 | 6.45 | 6.46 | 6.47 | 6.47 | 6.48 | 6.49 |
| B2 | 2 | 81 | 6.49 | 6.50 | 6.51 | 6.51 | 6.52 | 6.52 | 6.53 | 6.53 | 6.54 | 6.54 |
| B2 | 2 | 91 | 6.55 | 6.55 | 6.55 | 6.56 | 6.56 | 6.57 | 6.57 | 6.57 | 6.58 | 6.58 |
| B2 | 2 | 101 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.60 | 6.60 | 6.61 | 6.61 |
| B2 | 2 | 111 | 6.61 | 6.61 | 6.62 | 6.62 | 6.62 | 6.62 | 6.63 | 6.63 | 6.63 | 6.63 |
| B2 | 2 | 121 | 6.63 | 6.64 | 6.64 | 6.64 | 6.64 | | | | | |
| CH | 5 | 229 | 13.25 | 12.30 | 12.32 | 12.34 | 12.36 | 12.38 | 12.39 | 12.41 | 12.43 | 12.44 |
| CH | 5 | 239 | 12.46 | 12.47 | 12.49 | 12.50 | 12.51 | 12.52 | 12.54 | 12.55 | 12.56 | 12.57 |
| CH | 5 | 249 | 12.58 | 12.59 | 12.60 | 12.60 | 12.61 | 12.62 | 12.62 | 12.63 | 12.64 | 12.64 |
| CH | 5 | 259 | 12.65 | 12.65 | 12.66 | 12.66 | 12.66 | 12.66 | 12.67 | 12.67 | 12.67 | 12.67 |
| CH | 5 | 269 | 12.67 | 12.67 | 12.68 | | | | | | | |
| CW | 8 | 347 | 12.58 | 12.53 | 12.48 | 12.44 | 12.39 | 12.34 | 12.30 | 12.25 | 12.21 | 12.17 |
| CW | 8 | 357 | 12.13 | 12.09 | 12.05 | 12.01 | 11.98 | 11.94 | 11.90 | 11.87 | 11.84 | 10.69 |
| CW | 8 | 367 | 10.89 | 10.88 | 10.86 | 10.85 | 10.84 | 10.83 | 10.83 | 10.82 | 10.81 | 10.80 |
| CW | 8 | 377 | 10.79 | 10.78 | 10.77 | 10.77 | 10.76 | 10.75 | 10.75 | 10.74 | 10.73 | 10.73 |
| CW | 8 | 387 | 10.72 | 10.71 | 10.71 | 10.70 | 10.70 | 10.69 | 10.69 | 10.68 | 10.68 | 10.68 |
| CW | 8 | 397 | 10.67 | 10.67 | 10.66 | 10.66 | 10.66 | 10.65 | 10.65 | 10.65 | 10.64 | 10.64 |
| CW | 8 | 407 | 10.64 | 10.64 | 10.63 | 10.63 | 10.63 | 10.63 | 10.63 | 10.63 | 10.62 | 10.62 |
| CW | 8 | 417 | 10.62 | 10.62 | 10.62 | | | | | | | |
| I2 | 10 | 554 | 3.28 | 3.27 | 3.26 | 3.26 | 3.25 | 3.24 | 3.23 | 3.22 | 3.22 | 3.21 |
| I2 | 10 | 564 | 3.20 | 3.19 | 3.18 | 3.18 | 3.17 | 3.16 | 3.15 | 3.15 | 3.14 | 3.13 |
| I2 | 10 | 574 | 3.12 | 3.12 | 3.11 | 3.10 | 3.09 | 3.09 | 3.08 | 3.07 | 3.07 | 3.06 |
| I2 | 10 | 584 | 3.05 | 3.05 | 3.04 | 3.03 | 3.03 | 3.02 | 3.01 | 3.01 | 3.00 | 2.99 |
| I2 | 10 | 594 | 2.99 | 2.98 | 2.97 | 2.97 | 2.96 | 2.95 | 2.95 | 2.94 | 2.94 | 2.93 |
| I2 | 10 | 604 | 2.92 | 2.92 | 2.91 | 2.91 | 2.90 | 2.89 | 2.89 | 2.88 | 2.88 | 2.87 |
| I2 | 10 | 614 | 2.87 | 2.86 | 2.85 | 2.85 | 2.84 | 2.84 | 2.83 | 2.83 | 2.82 | 2.82 |
| I2 | 10 | 624 | 2.81 | 2.81 | 2.80 | 2.80 | 2.79 | 2.79 | 2.78 | 2.78 | 2.77 | 2.77 |
| I2 | 10 | 634 | 2.76 | 2.76 | 2.75 | 2.75 | 2.74 | 2.74 | 2.73 | 2.73 | 2.72 | 2.72 |
| I2 | 10 | 644 | 2.71 | 2.71 | 2.70 | 2.70 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 | 2.67 |
| I2 | 10 | 654 | 2.67 | 2.66 | 2.66 | 2.66 | 2.65 | 2.65 | 2.64 | 2.64 | 2.64 | 2.63 |
| I2 | 10 | 664 | 2.63 | 2.62 | 2.63 | 2.62 | 2.62 | 2.61 | 2.61 | 2.61 | 2.60 | 2.60 |
| I2 | 10 | 674 | 2.60 | 2.59 | 2.59 | 2.58 | 2.70 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 |
| I2 | 10 | 684 | 2.68 | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 |
| I2 | 10 | 694 | 2.64 | 2.64 | 2.64 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.61 |
| I2 | 10 | 704 | 2.61 | 2.61 | 2.60 | 2.60 | 2.60 | 2.59 | | | | |
| I3 | 12 | 829 | 4.26 | 4.23 | 4.19 | 4.16 | 4.12 | 4.09 | 4.06 | 4.03 | 3.99 | 3.96 |
| I3 | 12 | 839 | 3.93 | 3.90 | 3.87 | 3.84 | 3.81 | 3.78 | 3.75 | 3.72 | 3.69 | 3.66 |
| I3 | 12 | 849 | 3.63 | 3.60 | 3.57 | 3.54 | 3.51 | 3.48 | 3.45 | 3.43 | 3.40 | 3.37 |
| I3 | 12 | 859 | 3.34 | 3.32 | 3.29 | 3.26 | 3.24 | 3.21 | 3.18 | 3.16 | 3.13 | 3.11 |
| I3 | 12 | 869 | 3.08 | 3.06 | 3.03 | 3.01 | 2.98 | 2.96 | 2.93 | 2.91 | 2.88 | 2.86 |
| I4 | 16 | 1047 | 3.48 | 3.47 | 3.45 | 3.44 | 3.43 | 3.42 | 3.41 | 3.39 | 3.38 | 3.37 |
| I4 | 16 | 1057 | 3.36 | 3.35 | 3.33 | 3.32 | 3.31 | 3.30 | 3.29 | 3.28 | 3.27 | 3.25 |
| I4 | 16 | 1067 | 3.24 | 3.23 | 3.22 | 3.21 | 3.20 | 3.19 | 3.17 | 3.16 | 3.15 | 3.14 |
| I4 | 16 | 1077 | 3.13 | 3.12 | 3.11 | 3.10 | 3.09 | 3.07 | 3.06 | 3.05 | 3.04 | 3.03 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I4 | 16 | 1087 | 3.02 | 3.01 | 3.00 | 2.99 | 2.98 | 2.97 | 2.96 | 2.95 | 2.94 | 2.93 |
| I4 | 16 | 1097 | 2.92 | 2.91 | 2.90 | 2.89 | 2.88 | 2.87 | 2.86 | 2.85 | 2.84 | 2.83 |
| I4 | 16 | 1107 | 2.82 | 2.81 | 2.80 | 2.79 | 2.78 | 2.77 | 2.76 | 2.75 | 2.74 | 2.73 |
| I4 | 16 | 1117 | 2.72 | 2.71 | 2.70 | 2.69 | 2.68 | 2.67 | 2.66 | 2.65 | 2.64 | 2.63 |
| I4 | 16 | 1127 | 2.62 | 2.61 | 2.61 | 2.60 | 2.59 | 2.58 | 2.57 | 2.56 | 2.55 | 2.54 |
| I4 | 16 | 1137 | 2.53 | 2.52 | 2.51 | 2.51 | 2.50 | 2.49 | 2.48 | 2.47 | 2.46 | 2.45 |
| I4 | 16 | 1147 | 2.44 | 2.44 | 2.43 | 2.42 | 2.41 | 2.40 | 2.39 | 2.39 | 2.38 | |
| P1 | 3 | 126 | 30.62 | 30.54 | 30.45 | 30.37 | 30.28 | 30.19 | 30.10 | 30.02 | 29.93 | 29.84 |
| P1 | 3 | 136 | 29.76 | 29.67 | 29.58 | 29.50 | 29.41 | 29.33 | 29.24 | 29.16 | 29.08 | 28.99 |
| P1 | 3 | 146 | 28.91 | 28.82 | 28.77 | 28.69 | 28.61 | 28.53 | 28.45 | 28.37 | 28.29 | 28.20 |
| P1 | 3 | 156 | 28.12 | 28.04 | 27.97 | 27.89 | 27.81 | 27.73 | 27.65 | 27.57 | 27.51 | 27.43 |
| P1 | 3 | 166 | 27.35 | 27.27 | 27.19 | 27.12 | 27.04 | 26.96 | 26.88 | 26.81 | 26.73 | 26.65 |
| P1 | 3 | 176 | 26.58 | 26.50 | 26.42 | 26.35 | 26.27 | 26.20 | 26.12 | | | |
| P2 | 4 | 183 | 26.52 | 26.88 | 27.19 | 27.52 | 27.78 | 28.00 | 28.19 | 28.37 | 28.53 | 28.68 |
| P2 | 4 | 193 | 28.82 | 28.95 | 29.07 | 29.17 | 29.27 | 29.37 | 29.46 | 29.54 | 29.61 | 29.68 |
| P2 | 4 | 203 | 29.75 | 29.81 | 29.87 | 29.93 | 29.98 | 30.03 | 30.08 | 30.12 | 30.16 | 30.20 |
| P2 | 4 | 213 | 30.24 | 30.28 | 30.31 | 30.34 | 30.37 | 30.40 | 30.43 | 30.45 | 30.48 | 30.50 |
| P2 | 4 | 223 | 30.53 | 30.55 | 30.57 | 30.59 | 30.61 | 30.63 | | | | |
| C1 | 6 | 272 | 9.86 | 10.32 | 10.68 | 10.98 | 11.23 | 11.43 | 11.60 | 11.74 | 11.86 | 11.96 |
| C1 | 6 | 282 | 12.05 | 12.13 | 12.19 | 12.25 | 12.29 | 12.34 | 12.37 | 12.40 | 12.43 | 12.45 |
| C1 | 6 | 292 | 12.47 | 12.49 | 12.50 | 12.51 | 12.52 | 12.53 | 12.53 | 12.54 | 12.54 | 12.54 |
| C1 | 6 | 302 | 12.54 | 12.54 | 12.54 | | | | | | | |
| C2 | 7 | 305 | 20.07 | 18.74 | 17.57 | 16.53 | 15.60 | 14.78 | 14.05 | 13.39 | 12.80 | 12.27 |
| C2 | 7 | 315 | 11.79 | 11.35 | 10.96 | 10.60 | 10.28 | 9.98 | 9.71 | 9.46 | 9.24 | 9.03 |
| C2 | 7 | 325 | 8.84 | 8.66 | 8.49 | 8.34 | 8.20 | 8.07 | 7.95 | 7.84 | 7.74 | 7.64 |
| C2 | 7 | 335 | 7.55 | 7.46 | 7.38 | 7.31 | 7.23 | 7.17 | 7.10 | 7.05 | 6.99 | 6.94 |
| C2 | 7 | 345 | 6.89 | 6.84 | | | | | | | | |
| I1 | 9 | 420 | 2.19 | 2.19 | 2.18 | 2.18 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 | 2.15 |
| I1 | 9 | 430 | 2.15 | 2.14 | 2.14 | 2.13 | 2.13 | 2.12 | 2.12 | 2.11 | 2.11 | 2.10 |
| I1 | 9 | 440 | 2.10 | 2.09 | 2.09 | 2.08 | 2.08 | 2.07 | 2.07 | 2.07 | 2.06 | 2.06 |
| I1 | 9 | 450 | 2.05 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.03 | 2.02 | 2.02 | 2.01 |
| I1 | 9 | 460 | 2.01 | 2.01 | 2.00 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 |
| I1 | 9 | 470 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 |
| I1 | 9 | 480 | 1.94 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 |
| I1 | 9 | 490 | 1.91 | 1.91 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 |
| I1 | 9 | 500 | 1.87 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 |
| I1 | 9 | 510 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 |
| I1 | 9 | 520 | 1.81 | 1.81 | 1.81 | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 |
| I1 | 9 | 530 | 1.79 | 1.78 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 |
| I1 | 9 | 540 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 |
| I1 | 9 | 550 | 1.77 | 1.76 | 1.76 | 1.76 | | | | | | |
| BP | 11 | 710 | 5.20 | 5.47 | 5.74 | 6.01 | 6.27 | 6.53 | 6.79 | 7.05 | 7.30 | 7.56 |
| BP | 11 | 720 | 7.81 | 8.06 | 8.30 | 8.55 | 8.79 | 9.03 | 9.27 | 9.51 | 9.74 | 9.98 |
| BP | 11 | 730 | 10.21 | 10.44 | 10.66 | 10.89 | 11.11 | 11.33 | 11.55 | 11.77 | 11.99 | 13.59 |
| BP | 11 | 740 | 13.78 | 13.96 | 14.14 | 14.33 | 14.51 | 14.68 | 14.86 | 15.04 | 15.21 | 15.38 |
| BP | 11 | 750 | 15.56 | 15.73 | 15.90 | 16.06 | 16.23 | 16.40 | 16.56 | 16.72 | 16.88 | 17.04 |
| BP | 11 | 760 | 17.20 | 17.36 | 17.52 | 17.67 | 17.83 | 17.98 | 18.13 | 18.28 | 18.43 | 18.58 |
| BP | 11 | 770 | 18.73 | 18.87 | 19.02 | 19.16 | 19.31 | 19.45 | 19.59 | 19.73 | 19.87 | 19.97 |
| BP | 11 | 780 | 20.11 | 20.24 | 20.39 | 20.52 | 20.65 | 20.79 | 20.92 | 21.05 | 21.17 | 21.30 |
| BP | 11 | 790 | 21.43 | 21.55 | 21.68 | 21.80 | 21.92 | 22.04 | 22.16 | 22.28 | 22.40 | 22.52 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BP | 11 | 800 | 22.63 | 22.75 | 22.86 | 22.98 | 23.09 | 23.20 | 23.31 | 23.42 | 23.53 | 23.64 |
| BP | 11 | 810 | 23.75 | 23.85 | 23.96 | 24.07 | 24.17 | 24.27 | 24.38 | 24.48 | 24.58 | 24.68 |
| BP | 11 | 820 | 24.78 | 24.88 | 24.98 | 25.07 | 25.17 | 25.27 | 25.36 | 25.46 | 25.55 | |
| U1 | 13 | 879 | 15.77 | 15.55 | 15.33 | 15.11 | 14.89 | 14.68 | 14.47 | 14.27 | 14.06 | 13.86 |
| U1 | 13 | 889 | 13.67 | 13.47 | 13.28 | 13.10 | 12.92 | 12.75 | 12.59 | 12.43 | 12.27 | 12.12 |
| U1 | 13 | 899 | 11.97 | 11.82 | 11.67 | 11.53 | 11.39 | 11.24 | 11.11 | 10.97 | 10.65 | 10.53 |
| U1 | 13 | 909 | 10.41 | 10.30 | 10.18 | 10.06 | 9.95 | 9.84 | 9.73 | 9.62 | 9.51 | 9.40 |
| U1 | 13 | 919 | 9.29 | 9.19 | 9.08 | 8.98 | 8.88 | 8.78 | 8.68 | 8.58 | 8.49 | 8.39 |
| U1 | 13 | 929 | 8.30 | 8.20 | 8.11 | 8.02 | 7.93 | 7.84 | 7.75 | 7.67 | 7.58 | 7.49 |
| U1 | 13 | 939 | 7.41 | 7.33 | 7.25 | 7.16 | 7.08 | 7.00 | 6.93 | 6.85 | 6.77 | 6.70 |
| U1 | 13 | 949 | 6.62 | 6.55 | 6.47 | 6.40 | 6.33 | 6.26 | 6.19 | 6.12 | 6.05 | 5.99 |
| U1 | 13 | 959 | 5.92 | 5.85 | 5.79 | 5.72 | | | | | | |
| U2 | 15 | 1007 | 5.85 | 5.81 | 5.77 | 5.74 | 5.70 | 5.66 | 5.62 | 5.59 | 5.55 | 5.51 |
| U2 | 15 | 1017 | 5.48 | 5.44 | 5.41 | 5.37 | 5.33 | 5.30 | 5.26 | 5.23 | 5.20 | 5.16 |
| U2 | 15 | 1027 | 5.13 | 5.10 | 5.06 | 5.03 | 5.00 | 4.96 | 4.93 | 4.90 | 4.87 | 4.84 |
| U2 | 15 | 1037 | 4.80 | 4.77 | 4.74 | 4.71 | 4.68 | 4.65 | 4.62 | 4.59 | 4.56 | 4.53 |
| LF | 14 | 963 | 11.83 | 11.66 | 11.49 | 11.32 | 11.16 | 11.00 | 10.84 | 10.68 | 10.53 | 10.38 |
| LF | 14 | 973 | 10.23 | 10.08 | 9.93 | 9.79 | 9.65 | 9.51 | 9.37 | 9.23 | 9.10 | 8.97 |
| LF | 14 | 983 | 8.84 | 8.71 | 8.58 | 8.46 | 8.34 | 8.22 | 8.10 | 7.98 | 7.86 | 7.75 |
| LF | 14 | 993 | 7.64 | 7.52 | 7.41 | 7.31 | 7.20 | 7.10 | 6.99 | 6.89 | 6.79 | 6.69 |
| LF | 14 | 1003 | 6.59 | 6.50 | 6.40 | 6.31 | | | | | | |

INTERMEDIATE REPORT

Biochemical Oxygen Demand — LA-QUAL Model for Upper Terrebonne

mg/L — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 4.70 | 4.70 | 4.69 | 4.69 | 4.69 | 4.69 | 4.68 | 4.68 | 4.68 | 4.68 |
| B1 | 1 | 11 | 4.67 | 4.67 | 4.67 | 4.67 | 4.66 | 4.66 | 4.66 | 4.66 | 4.65 | 4.65 |
| B1 | 1 | 21 | 4.65 | 4.65 | 4.64 | 4.64 | 4.64 | 4.63 | 4.63 | 4.63 | 4.63 | 4.62 |
| B2 | 2 | 31 | 4.80 | 4.95 | 5.09 | 5.21 | 5.31 | 5.40 | 5.49 | 5.56 | 5.63 | 5.69 |
| B2 | 2 | 41 | 5.75 | 5.80 | 5.85 | 5.89 | 5.93 | 5.97 | 6.00 | 6.03 | 6.06 | 6.09 |
| B2 | 2 | 51 | 6.12 | 6.14 | 6.16 | 6.19 | 6.21 | 6.23 | 6.24 | 6.26 | 6.28 | 6.29 |
| B2 | 2 | 61 | 6.31 | 6.32 | 6.33 | 6.35 | 6.36 | 6.37 | 6.38 | 6.39 | 6.40 | 6.41 |
| B2 | 2 | 71 | 6.42 | 6.43 | 6.44 | 6.44 | 6.45 | 6.46 | 6.47 | 6.47 | 6.48 | 6.49 |
| B2 | 2 | 81 | 6.49 | 6.50 | 6.51 | 6.51 | 6.52 | 6.52 | 6.53 | 6.53 | 6.54 | 6.54 |
| B2 | 2 | 91 | 6.55 | 6.55 | 6.55 | 6.56 | 6.56 | 6.57 | 6.57 | 6.57 | 6.58 | 6.58 |
| B2 | 2 | 101 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.60 | 6.60 | 6.61 | 6.61 |
| B2 | 2 | 111 | 6.61 | 6.61 | 6.62 | 6.62 | 6.62 | 6.62 | 6.63 | 6.63 | 6.63 | 6.63 |
| B2 | 2 | 121 | 6.63 | 6.64 | 6.64 | 6.64 | 6.64 | | | | | |
| CH | 5 | 229 | 13.25 | 12.30 | 12.32 | 12.34 | 12.36 | 12.38 | 12.39 | 12.41 | 12.43 | 12.44 |
| CH | 5 | 239 | 12.46 | 12.47 | 12.49 | 12.50 | 12.51 | 12.52 | 12.54 | 12.55 | 12.56 | 12.57 |
| CH | 5 | 249 | 12.58 | 12.59 | 12.60 | 12.60 | 12.61 | 12.62 | 12.62 | 12.63 | 12.64 | 12.64 |
| CH | 5 | 259 | 12.65 | 12.65 | 12.66 | 12.66 | 12.66 | 12.66 | 12.67 | 12.67 | 12.67 | 12.67 |
| CH | 5 | 269 | 12.67 | 12.67 | 12.68 | | | | | | | |
| CW | 8 | 347 | 12.58 | 12.53 | 12.48 | 12.44 | 12.39 | 12.34 | 12.30 | 12.25 | 12.21 | 12.17 |
| CW | 8 | 357 | 12.13 | 12.09 | 12.05 | 12.01 | 11.98 | 11.94 | 11.90 | 11.87 | 11.84 | 10.69 |
| CW | 8 | 367 | 10.89 | 10.88 | 10.86 | 10.85 | 10.84 | 10.83 | 10.83 | 10.82 | 10.81 | 10.80 |
| CW | 8 | 377 | 10.79 | 10.78 | 10.77 | 10.77 | 10.76 | 10.75 | 10.75 | 10.74 | 10.73 | 10.73 |
| CW | 8 | 387 | 10.72 | 10.71 | 10.71 | 10.70 | 10.70 | 10.69 | 10.69 | 10.68 | 10.68 | 10.68 |
| CW | 8 | 397 | 10.67 | 10.67 | 10.66 | 10.66 | 10.66 | 10.65 | 10.65 | 10.65 | 10.64 | 10.64 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | 8 | 407 | 10.64 | 10.64 | 10.63 | 10.63 | 10.63 | 10.63 | 10.63 | 10.63 | 10.62 | 10.62 |
| CW | 8 | 417 | 10.62 | 10.62 | 10.62 | | | | | | | |
| I2 | 10 | 554 | 3.28 | 3.27 | 3.26 | 3.26 | 3.25 | 3.24 | 3.23 | 3.22 | 3.22 | 3.21 |
| I2 | 10 | 564 | 3.20 | 3.19 | 3.18 | 3.18 | 3.17 | 3.16 | 3.15 | 3.15 | 3.14 | 3.13 |
| I2 | 10 | 574 | 3.12 | 3.12 | 3.11 | 3.10 | 3.09 | 3.09 | 3.08 | 3.07 | 3.07 | 3.06 |
| I2 | 10 | 584 | 3.05 | 3.05 | 3.04 | 3.03 | 3.03 | 3.02 | 3.01 | 3.01 | 3.00 | 2.99 |
| I2 | 10 | 594 | 2.99 | 2.98 | 2.97 | 2.97 | 2.96 | 2.95 | 2.95 | 2.94 | 2.94 | 2.93 |
| I2 | 10 | 604 | 2.92 | 2.92 | 2.91 | 2.91 | 2.90 | 2.89 | 2.89 | 2.88 | 2.88 | 2.87 |
| I2 | 10 | 614 | 2.87 | 2.86 | 2.85 | 2.85 | 2.84 | 2.84 | 2.83 | 2.83 | 2.82 | 2.82 |
| I2 | 10 | 624 | 2.81 | 2.81 | 2.80 | 2.80 | 2.79 | 2.79 | 2.78 | 2.78 | 2.77 | 2.77 |
| I2 | 10 | 634 | 2.76 | 2.76 | 2.75 | 2.75 | 2.74 | 2.74 | 2.73 | 2.73 | 2.72 | 2.72 |
| I2 | 10 | 644 | 2.71 | 2.71 | 2.70 | 2.70 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 | 2.67 |
| I2 | 10 | 654 | 2.67 | 2.66 | 2.66 | 2.66 | 2.65 | 2.65 | 2.64 | 2.64 | 2.64 | 2.63 |
| I2 | 10 | 664 | 2.63 | 2.62 | 2.63 | 2.62 | 2.62 | 2.61 | 2.61 | 2.61 | 2.60 | 2.60 |
| I2 | 10 | 674 | 2.60 | 2.59 | 2.59 | 2.58 | 2.70 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 |
| I2 | 10 | 684 | 2.68 | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 |
| I2 | 10 | 694 | 2.64 | 2.64 | 2.64 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.61 |
| I2 | 10 | 704 | 2.61 | 2.61 | 2.60 | 2.60 | 2.60 | 2.59 | | | | |
| I3 | 12 | 829 | 4.26 | 4.23 | 4.19 | 4.16 | 4.12 | 4.09 | 4.06 | 4.03 | 3.99 | 3.96 |
| I3 | 12 | 839 | 3.93 | 3.90 | 3.87 | 3.84 | 3.81 | 3.78 | 3.75 | 3.72 | 3.69 | 3.66 |
| I3 | 12 | 849 | 3.63 | 3.60 | 3.57 | 3.54 | 3.51 | 3.48 | 3.45 | 3.43 | 3.40 | 3.37 |
| I3 | 12 | 859 | 3.34 | 3.32 | 3.29 | 3.26 | 3.24 | 3.21 | 3.18 | 3.16 | 3.13 | 3.11 |
| I3 | 12 | 869 | 3.08 | 3.06 | 3.03 | 3.01 | 2.98 | 2.96 | 2.93 | 2.91 | 2.88 | 2.86 |
| I4 | 16 | 1047 | 3.48 | 3.47 | 3.45 | 3.44 | 3.43 | 3.42 | 3.41 | 3.39 | 3.38 | 3.37 |
| I4 | 16 | 1057 | 3.36 | 3.35 | 3.33 | 3.32 | 3.31 | 3.30 | 3.29 | 3.28 | 3.27 | 3.25 |
| I4 | 16 | 1067 | 3.24 | 3.23 | 3.22 | 3.21 | 3.20 | 3.19 | 3.17 | 3.16 | 3.15 | 3.14 |
| I4 | 16 | 1077 | 3.13 | 3.12 | 3.11 | 3.10 | 3.09 | 3.07 | 3.06 | 3.05 | 3.04 | 3.03 |
| I4 | 16 | 1087 | 3.02 | 3.01 | 3.00 | 2.99 | 2.98 | 2.97 | 2.96 | 2.95 | 2.94 | 2.93 |
| I4 | 16 | 1097 | 2.92 | 2.91 | 2.90 | 2.89 | 2.88 | 2.87 | 2.86 | 2.85 | 2.84 | 2.83 |
| I4 | 16 | 1107 | 2.82 | 2.81 | 2.80 | 2.79 | 2.78 | 2.77 | 2.76 | 2.75 | 2.74 | 2.73 |
| I4 | 16 | 1117 | 2.72 | 2.71 | 2.70 | 2.69 | 2.68 | 2.67 | 2.66 | 2.65 | 2.64 | 2.63 |
| I4 | 16 | 1127 | 2.62 | 2.61 | 2.61 | 2.60 | 2.59 | 2.58 | 2.57 | 2.56 | 2.55 | 2.54 |
| I4 | 16 | 1137 | 2.53 | 2.52 | 2.51 | 2.51 | 2.50 | 2.49 | 2.48 | 2.47 | 2.46 | 2.45 |
| I4 | 16 | 1147 | 2.44 | 2.44 | 2.43 | 2.42 | 2.41 | 2.40 | 2.39 | 2.39 | 2.38 | |
| P1 | 3 | 126 | 30.62 | 30.54 | 30.45 | 30.37 | 30.28 | 30.19 | 30.10 | 30.02 | 29.93 | 29.84 |
| P1 | 3 | 136 | 29.76 | 29.67 | 29.58 | 29.50 | 29.41 | 29.33 | 29.24 | 29.16 | 29.08 | 28.99 |
| P1 | 3 | 146 | 28.91 | 28.82 | 28.77 | 28.69 | 28.61 | 28.53 | 28.45 | 28.37 | 28.29 | 28.20 |
| P1 | 3 | 156 | 28.12 | 28.04 | 27.97 | 27.89 | 27.81 | 27.73 | 27.65 | 27.57 | 27.51 | 27.43 |
| P1 | 3 | 166 | 27.35 | 27.27 | 27.19 | 27.12 | 27.04 | 26.96 | 26.88 | 26.81 | 26.73 | 26.65 |
| P1 | 3 | 176 | 26.58 | 26.50 | 26.42 | 26.35 | 26.27 | 26.20 | 26.12 | | | |
| P2 | 4 | 183 | 26.52 | 26.88 | 27.19 | 27.52 | 27.78 | 28.00 | 28.19 | 28.37 | 28.53 | 28.68 |
| P2 | 4 | 193 | 28.82 | 28.95 | 29.07 | 29.17 | 29.27 | 29.37 | 29.46 | 29.54 | 29.61 | 29.68 |
| P2 | 4 | 203 | 29.75 | 29.81 | 29.87 | 29.93 | 29.98 | 30.03 | 30.08 | 30.12 | 30.16 | 30.20 |
| P2 | 4 | 213 | 30.24 | 30.28 | 30.31 | 30.34 | 30.37 | 30.40 | 30.43 | 30.45 | 30.48 | 30.50 |
| P2 | 4 | 223 | 30.53 | 30.55 | 30.57 | 30.59 | 30.61 | 30.63 | | | | |
| C1 | 6 | 272 | 9.86 | 10.32 | 10.68 | 10.98 | 11.23 | 11.43 | 11.60 | 11.74 | 11.86 | 11.96 |
| C1 | 6 | 282 | 12.05 | 12.13 | 12.19 | 12.25 | 12.29 | 12.34 | 12.37 | 12.40 | 12.43 | 12.45 |
| C1 | 6 | 292 | 12.47 | 12.49 | 12.50 | 12.51 | 12.52 | 12.53 | 12.53 | 12.54 | 12.54 | 12.54 |
| C1 | 6 | 302 | 12.54 | 12.54 | 12.54 | | | | | | | |
| C2 | 7 | 305 | 20.07 | 18.74 | 17.57 | 16.53 | 15.60 | 14.78 | 14.05 | 13.39 | 12.80 | 12.27 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C2 | 7 | 315 | 11.79 | 11.35 | 10.96 | 10.60 | 10.28 | 9.98 | 9.71 | 9.46 | 9.24 | 9.03 |
| C2 | 7 | 325 | 8.84 | 8.66 | 8.49 | 8.34 | 8.20 | 8.07 | 7.95 | 7.84 | 7.74 | 7.64 |
| C2 | 7 | 335 | 7.55 | 7.46 | 7.38 | 7.31 | 7.23 | 7.17 | 7.10 | 7.05 | 6.99 | 6.94 |
| C2 | 7 | 345 | 6.89 | 6.84 | | | | | | | | |
| I1 | 9 | 420 | 2.19 | 2.19 | 2.18 | 2.18 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 | 2.15 |
| I1 | 9 | 430 | 2.15 | 2.14 | 2.14 | 2.13 | 2.13 | 2.12 | 2.12 | 2.11 | 2.11 | 2.10 |
| I1 | 9 | 440 | 2.10 | 2.09 | 2.09 | 2.08 | 2.08 | 2.07 | 2.07 | 2.07 | 2.06 | 2.06 |
| I1 | 9 | 450 | 2.05 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.03 | 2.02 | 2.02 | 2.01 |
| I1 | 9 | 460 | 2.01 | 2.01 | 2.00 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 |
| I1 | 9 | 470 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 |
| I1 | 9 | 480 | 1.94 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 |
| I1 | 9 | 490 | 1.91 | 1.91 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 |
| I1 | 9 | 500 | 1.87 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 |
| I1 | 9 | 510 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 |
| I1 | 9 | 520 | 1.81 | 1.81 | 1.81 | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 |
| I1 | 9 | 530 | 1.79 | 1.78 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 |
| I1 | 9 | 540 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 |
| I1 | 9 | 550 | 1.77 | 1.76 | 1.76 | 1.76 | | | | | | |
| BP | 11 | 710 | 5.20 | 5.47 | 5.74 | 6.01 | 6.27 | 6.53 | 6.79 | 7.05 | 7.30 | 7.56 |
| BP | 11 | 720 | 7.81 | 8.06 | 8.30 | 8.55 | 8.79 | 9.03 | 9.27 | 9.51 | 9.74 | 9.98 |
| BP | 11 | 730 | 10.21 | 10.44 | 10.66 | 10.89 | 11.11 | 11.33 | 11.55 | 11.77 | 11.99 | 13.59 |
| BP | 11 | 740 | 13.78 | 13.96 | 14.14 | 14.33 | 14.51 | 14.68 | 14.86 | 15.04 | 15.21 | 15.38 |
| BP | 11 | 750 | 15.56 | 15.73 | 15.90 | 16.06 | 16.23 | 16.40 | 16.56 | 16.72 | 16.88 | 17.04 |
| BP | 11 | 760 | 17.20 | 17.36 | 17.52 | 17.67 | 17.83 | 17.98 | 18.13 | 18.28 | 18.43 | 18.58 |
| BP | 11 | 770 | 18.73 | 18.87 | 19.02 | 19.16 | 19.31 | 19.45 | 19.59 | 19.73 | 19.87 | 19.97 |
| BP | 11 | 780 | 20.11 | 20.24 | 20.39 | 20.52 | 20.65 | 20.79 | 20.92 | 21.05 | 21.17 | 21.30 |
| BP | 11 | 790 | 21.43 | 21.55 | 21.68 | 21.80 | 21.92 | 22.04 | 22.16 | 22.28 | 22.40 | 22.52 |
| BP | 11 | 800 | 22.63 | 22.75 | 22.86 | 22.98 | 23.09 | 23.20 | 23.31 | 23.42 | 23.53 | 23.64 |
| BP | 11 | 810 | 23.75 | 23.85 | 23.96 | 24.07 | 24.17 | 24.27 | 24.38 | 24.48 | 24.58 | 24.68 |
| BP | 11 | 820 | 24.78 | 24.88 | 24.98 | 25.07 | 25.17 | 25.27 | 25.36 | 25.46 | 25.55 | |
| U1 | 13 | 879 | 15.77 | 15.55 | 15.33 | 15.11 | 14.89 | 14.68 | 14.47 | 14.27 | 14.06 | 13.86 |
| U1 | 13 | 889 | 13.67 | 13.47 | 13.28 | 13.10 | 12.92 | 12.75 | 12.59 | 12.43 | 12.27 | 12.12 |
| U1 | 13 | 899 | 11.97 | 11.82 | 11.67 | 11.53 | 11.39 | 11.24 | 11.11 | 10.97 | 10.65 | 10.53 |
| U1 | 13 | 909 | 10.41 | 10.30 | 10.18 | 10.06 | 9.95 | 9.84 | 9.73 | 9.62 | 9.51 | 9.40 |
| U1 | 13 | 919 | 9.29 | 9.19 | 9.08 | 8.98 | 8.88 | 8.78 | 8.68 | 8.58 | 8.49 | 8.39 |
| U1 | 13 | 929 | 8.30 | 8.20 | 8.11 | 8.02 | 7.93 | 7.84 | 7.75 | 7.67 | 7.58 | 7.49 |
| U1 | 13 | 939 | 7.41 | 7.33 | 7.25 | 7.16 | 7.08 | 7.00 | 6.93 | 6.85 | 6.77 | 6.70 |
| U1 | 13 | 949 | 6.62 | 6.55 | 6.47 | 6.40 | 6.33 | 6.26 | 6.19 | 6.12 | 6.05 | 5.99 |
| U1 | 13 | 959 | 5.92 | 5.85 | 5.79 | 5.72 | | | | | | |
| U2 | 15 | 1007 | 5.85 | 5.81 | 5.77 | 5.74 | 5.70 | 5.66 | 5.62 | 5.59 | 5.55 | 5.51 |
| U2 | 15 | 1017 | 5.48 | 5.44 | 5.41 | 5.37 | 5.33 | 5.30 | 5.26 | 5.23 | 5.20 | 5.16 |
| U2 | 15 | 1027 | 5.13 | 5.10 | 5.06 | 5.03 | 5.00 | 4.96 | 4.93 | 4.90 | 4.87 | 4.84 |
| U2 | 15 | 1037 | 4.80 | 4.77 | 4.74 | 4.71 | 4.68 | 4.65 | 4.62 | 4.59 | 4.56 | 4.53 |
| LF | 14 | 963 | 11.83 | 11.66 | 11.49 | 11.32 | 11.16 | 11.00 | 10.84 | 10.68 | 10.53 | 10.38 |
| LF | 14 | 973 | 10.23 | 10.08 | 9.93 | 9.79 | 9.65 | 9.51 | 9.37 | 9.23 | 9.10 | 8.97 |
| LF | 14 | 983 | 8.84 | 8.71 | 8.58 | 8.46 | 8.34 | 8.22 | 8.10 | 7.98 | 7.86 | 7.75 |
| LF | 14 | 993 | 7.64 | 7.52 | 7.41 | 7.31 | 7.20 | 7.10 | 6.99 | 6.89 | 6.79 | 6.69 |
| LF | 14 | 1003 | 6.59 | 6.50 | 6.40 | 6.31 | | | | | | |

INTERMEDIATE REPORT

Organic Nitrogen LA-QUAL Model for Upper Terrebonne

mg/L Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 |
| B1 | 1 | 11 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 |
| B1 | 1 | 21 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.39 |
| B2 | 2 | 31 | 2.33 | 2.28 | 2.23 | 2.19 | 2.15 | 2.12 | 2.08 | 2.06 | 2.03 | 2.00 |
| B2 | 2 | 41 | 1.98 | 1.96 | 1.94 | 1.92 | 1.91 | 1.89 | 1.88 | 1.86 | 1.85 | 1.84 |
| B2 | 2 | 51 | 1.83 | 1.82 | 1.81 | 1.80 | 1.79 | 1.78 | 1.77 | 1.76 | 1.75 | 1.75 |
| B2 | 2 | 61 | 1.74 | 1.73 | 1.73 | 1.72 | 1.71 | 1.71 | 1.70 | 1.70 | 1.69 | 1.69 |
| B2 | 2 | 71 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.66 | 1.66 | 1.65 | 1.65 | 1.65 |
| B2 | 2 | 81 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 | 1.62 | 1.62 |
| B2 | 2 | 91 | 1.62 | 1.61 | 1.61 | 1.61 | 1.61 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| B2 | 2 | 101 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| B2 | 2 | 111 | 1.58 | 1.58 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.56 |
| B2 | 2 | 121 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | | | | | |
| CH | 5 | 229 | 1.79 | 1.56 | 1.55 | 1.55 | 1.55 | 1.55 | 1.54 | 1.54 | 1.54 | 1.54 |
| CH | 5 | 239 | 1.53 | 1.53 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.51 | 1.51 | 1.51 |
| CH | 5 | 249 | 1.51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.49 | 1.49 | 1.49 | 1.49 | 1.48 |
| CH | 5 | 259 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 |
| CH | 5 | 269 | 1.45 | 1.45 | 1.45 | | | | | | | |
| CW | 8 | 347 | 1.45 | 1.44 | 1.44 | 1.44 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.41 |
| CW | 8 | 357 | 1.41 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.39 |
| CW | 8 | 367 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.36 | 1.36 |
| CW | 8 | 377 | 1.36 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.33 | 1.33 | 1.33 |
| CW | 8 | 387 | 1.32 | 1.32 | 1.32 | 1.31 | 1.31 | 1.31 | 1.31 | 1.30 | 1.30 | 1.30 |
| CW | 8 | 397 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 | 1.27 | 1.27 |
| CW | 8 | 407 | 1.26 | 1.26 | 1.26 | 1.25 | 1.25 | 1.25 | 1.24 | 1.24 | 1.24 | 1.24 |
| CW | 8 | 417 | 1.23 | 1.23 | 1.23 | | | | | | | |
| I2 | 10 | 554 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 |
| I2 | 10 | 564 | 1.24 | 1.24 | 1.24 | 1.25 | 1.25 | 1.26 | 1.26 | 1.26 | 1.27 | 1.27 |
| I2 | 10 | 574 | 1.28 | 1.28 | 1.28 | 1.29 | 1.29 | 1.29 | 1.30 | 1.30 | 1.31 | 1.31 |
| I2 | 10 | 584 | 1.31 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.34 | 1.34 | 1.35 | 1.35 |
| I2 | 10 | 594 | 1.35 | 1.36 | 1.36 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.39 | 1.39 |
| I2 | 10 | 604 | 1.39 | 1.40 | 1.40 | 1.40 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 | 1.43 |
| I2 | 10 | 614 | 1.43 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 | 1.45 | 1.46 | 1.46 | 1.47 |
| I2 | 10 | 624 | 1.47 | 1.47 | 1.48 | 1.48 | 1.49 | 1.49 | 1.49 | 1.50 | 1.50 | 1.50 |
| I2 | 10 | 634 | 1.51 | 1.51 | 1.52 | 1.52 | 1.52 | 1.53 | 1.53 | 1.53 | 1.54 | 1.54 |
| I2 | 10 | 644 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 | 1.57 | 1.57 | 1.57 | 1.58 | 1.58 |
| I2 | 10 | 654 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 | 1.62 |
| I2 | 10 | 664 | 1.62 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.65 | 1.65 | 1.65 |
| I2 | 10 | 674 | 1.66 | 1.66 | 1.67 | 1.67 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 | 1.62 |
| I2 | 10 | 684 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.65 |
| I2 | 10 | 694 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 | 1.67 | 1.68 | 1.68 |
| I2 | 10 | 704 | 1.68 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | | | | |
| I3 | 12 | 829 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 |
| I3 | 12 | 839 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 |
| I3 | 12 | 849 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.71 | 1.71 |
| I3 | 12 | 859 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.72 | 1.72 |
| I3 | 12 | 869 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I4 | 16 | 1047 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.59 | 1.59 | 1.59 |
| I4 | 16 | 1057 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 |
| I4 | 16 | 1067 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| I4 | 16 | 1077 | 1.60 | 1.60 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 |
| I4 | 16 | 1087 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.62 | 1.62 |
| I4 | 16 | 1097 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| I4 | 16 | 1107 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| I4 | 16 | 1117 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| I4 | 16 | 1127 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.65 |
| I4 | 16 | 1137 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| I4 | 16 | 1147 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | |
| P1 | 3 | 126 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.53 | 1.53 | 1.53 | 1.53 |
| P1 | 3 | 136 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 |
| P1 | 3 | 146 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 |
| P1 | 3 | 156 | 1.52 | 1.52 | 1.52 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 |
| P1 | 3 | 166 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.50 | 1.50 | 1.50 |
| P1 | 3 | 176 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | | | |
| P2 | 4 | 183 | 1.57 | 1.64 | 1.69 | 1.74 | 1.79 | 1.83 | 1.87 | 1.90 | 1.93 | 1.96 |
| P2 | 4 | 193 | 1.99 | 2.02 | 2.04 | 2.06 | 2.09 | 2.11 | 2.12 | 2.14 | 2.16 | 2.17 |
| P2 | 4 | 203 | 2.19 | 2.20 | 2.22 | 2.23 | 2.24 | 2.25 | 2.26 | 2.27 | 2.28 | 2.29 |
| P2 | 4 | 213 | 2.30 | 2.31 | 2.32 | 2.33 | 2.33 | 2.34 | 2.35 | 2.36 | 2.36 | 2.37 |
| P2 | 4 | 223 | 2.37 | 2.38 | 2.39 | 2.39 | 2.40 | 2.40 | | | | |
| C1 | 6 | 272 | 1.28 | 1.36 | 1.42 | 1.48 | 1.54 | 1.58 | 1.62 | 1.66 | 1.69 | 1.72 |
| C1 | 6 | 282 | 1.74 | 1.77 | 1.79 | 1.81 | 1.83 | 1.85 | 1.86 | 1.88 | 1.89 | 1.90 |
| C1 | 6 | 292 | 1.92 | 1.93 | 1.94 | 1.95 | 1.96 | 1.96 | 1.97 | 1.98 | 1.99 | 2.00 |
| C1 | 6 | 302 | 2.00 | 2.01 | 2.01 | | | | | | | |
| C2 | 7 | 305 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.02 | 2.02 |
| C2 | 7 | 315 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 |
| C2 | 7 | 325 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 |
| C2 | 7 | 335 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 |
| C2 | 7 | 345 | 2.02 | 2.02 | | | | | | | | |
| I1 | 9 | 420 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.11 | 1.11 | 1.11 |
| I1 | 9 | 430 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| I1 | 9 | 440 | 1.11 | 1.11 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| I1 | 9 | 450 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.13 | 1.13 |
| I1 | 9 | 460 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 |
| I1 | 9 | 470 | 1.13 | 1.13 | 1.13 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| I1 | 9 | 480 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.15 |
| I1 | 9 | 490 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 |
| I1 | 9 | 500 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| I1 | 9 | 510 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| I1 | 9 | 520 | 1.16 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| I1 | 9 | 530 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 |
| I1 | 9 | 540 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| I1 | 9 | 550 | 1.18 | 1.18 | 1.18 | 1.18 | | | | | | |
| BP | 11 | 710 | 1.60 | 1.60 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 |
| BP | 11 | 720 | 1.58 | 1.58 | 1.58 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.56 | 1.56 |
| BP | 11 | 730 | 1.56 | 1.56 | 1.56 | 1.56 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| BP | 11 | 740 | 1.55 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.53 | 1.53 | 1.53 |
| BP | 11 | 750 | 1.53 | 1.53 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.51 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BP | 11 | 760 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| BP | 11 | 770 | 1.50 | 1.50 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.48 | 1.48 |
| BP | 11 | 780 | 1.48 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 |
| BP | 11 | 790 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.45 | 1.45 | 1.45 |
| BP | 11 | 800 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 |
| BP | 11 | 810 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 |
| BP | 11 | 820 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | |
| U1 | 13 | 879 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| U1 | 13 | 889 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| U1 | 13 | 899 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 |
| U1 | 13 | 909 | 1.38 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 |
| U1 | 13 | 919 | 1.37 | 1.37 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| U1 | 13 | 929 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 |
| U1 | 13 | 939 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| U1 | 13 | 949 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| U1 | 13 | 959 | 1.34 | 1.34 | 1.34 | 1.33 | | | | | | |
| U2 | 15 | 1007 | 1.36 | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| U2 | 15 | 1017 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| U2 | 15 | 1027 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 |
| U2 | 15 | 1037 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| LF | 14 | 963 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| LF | 14 | 973 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 |
| LF | 14 | 983 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| LF | 14 | 993 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| LF | 14 | 1003 | 1.41 | 1.41 | 1.41 | 1.41 | | | | | | |

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| B1 | 1 | 11 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| B1 | 1 | 21 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| B2 | 2 | 31 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 41 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 51 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 61 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 71 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 81 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 91 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| B2 | 2 | 101 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| B2 | 2 | 111 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| B2 | 2 | 121 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | |
| CH | 5 | 229 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 |
| CH | 5 | 239 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| CH | 5 | 249 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| CH | 5 | 259 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| CH | 5 | 269 | 0.09 | 0.09 | 0.09 | | | | | | | |
| CW | 8 | 347 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| CW | 8 | 357 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.28 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | 8 | 367 | 0.29 | 0.28 | 0.27 | 0.26 | 0.25 | 0.25 | 0.24 | 0.23 | 0.22 | 0.22 |
| CW | 8 | 377 | 0.21 | 0.20 | 0.20 | 0.19 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 | 0.16 |
| CW | 8 | 387 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 |
| CW | 8 | 397 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 |
| CW | 8 | 407 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| CW | 8 | 417 | 0.10 | 0.10 | 0.10 | | | | | | | |
| I2 | 10 | 554 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 564 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 574 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 584 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 594 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 604 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 614 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 624 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 634 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| I2 | 10 | 644 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I2 | 10 | 654 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I2 | 10 | 664 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I2 | 10 | 674 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 |
| I2 | 10 | 684 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I2 | 10 | 694 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I2 | 10 | 704 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| I3 | 12 | 829 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I3 | 12 | 839 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I3 | 12 | 849 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I3 | 12 | 859 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 |
| I3 | 12 | 869 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| I4 | 16 | 1047 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I4 | 16 | 1057 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| I4 | 16 | 1067 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1077 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1087 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1097 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1107 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1117 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1127 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1137 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| I4 | 16 | 1147 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | |
| P1 | 3 | 126 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| P1 | 3 | 136 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| P1 | 3 | 146 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| P1 | 3 | 156 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| P1 | 3 | 166 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 |
| P1 | 3 | 176 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | | | |
| P2 | 4 | 183 | 0.17 | 0.16 | 0.15 | 0.17 | 0.17 | 0.16 | 0.15 | 0.15 | 0.14 | 0.14 |
| P2 | 4 | 193 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 |
| P2 | 4 | 203 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| P2 | 4 | 213 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| P2 | 4 | 223 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | | | | |
| C1 | 6 | 272 | 0.09 | 0.08 | 0.07 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | 6 | 282 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| C1 | 6 | 292 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| C1 | 6 | 302 | 0.04 | 0.04 | 0.04 | | | | | | | |
| C2 | 7 | 305 | 0.68 | 0.59 | 0.52 | 0.45 | 0.40 | 0.35 | 0.31 | 0.28 | 0.25 | 0.23 |
| C2 | 7 | 315 | 0.20 | 0.19 | 0.17 | 0.16 | 0.14 | 0.13 | 0.12 | 0.12 | 0.11 | 0.10 |
| C2 | 7 | 325 | 0.10 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 |
| C2 | 7 | 335 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| C2 | 7 | 345 | 0.05 | 0.05 | | | | | | | | |
| I1 | 9 | 420 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I1 | 9 | 430 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| I1 | 9 | 440 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| I1 | 9 | 450 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| I1 | 9 | 460 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| I1 | 9 | 470 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 480 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 490 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 500 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 510 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 520 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 530 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 540 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| I1 | 9 | 550 | 0.07 | 0.07 | 0.07 | 0.07 | | | | | | |
| BP | 11 | 710 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| BP | 11 | 720 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| BP | 11 | 730 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.35 |
| BP | 11 | 740 | 0.34 | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.30 |
| BP | 11 | 750 | 0.30 | 0.30 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 |
| BP | 11 | 760 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 |
| BP | 11 | 770 | 0.24 | 0.23 | 0.23 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| BP | 11 | 780 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 |
| BP | 11 | 790 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 |
| BP | 11 | 800 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 810 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| BP | 11 | 820 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | |
| U1 | 13 | 879 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 |
| U1 | 13 | 889 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| U1 | 13 | 899 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 |
| U1 | 13 | 909 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| U1 | 13 | 919 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| U1 | 13 | 929 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| U1 | 13 | 939 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| U1 | 13 | 949 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| U1 | 13 | 959 | 0.07 | 0.07 | 0.07 | 0.07 | | | | | | |
| U2 | 15 | 1007 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| U2 | 15 | 1017 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| U2 | 15 | 1027 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| U2 | 15 | 1037 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| LF | 14 | 963 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 |
| LF | 14 | 973 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| LF | 14 | 983 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LF | 14 | 993 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| LF | 14 | 1003 | 0.05 | 0.05 | 0.05 | 0.05 | | | | | | |

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| B1 | 1 | 11 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| B1 | 1 | 21 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| B2 | 2 | 31 | 1.41 | 1.33 | 1.26 | 1.20 | 1.14 | 1.09 | 1.04 | 1.00 | 0.96 | 0.92 |
| B2 | 2 | 41 | 0.89 | 0.86 | 0.83 | 0.80 | 0.78 | 0.75 | 0.73 | 0.71 | 0.69 | 0.67 |
| B2 | 2 | 51 | 0.65 | 0.64 | 0.62 | 0.61 | 0.59 | 0.58 | 0.57 | 0.55 | 0.54 | 0.53 |
| B2 | 2 | 61 | 0.52 | 0.51 | 0.50 | 0.49 | 0.48 | 0.47 | 0.46 | 0.46 | 0.45 | 0.44 |
| B2 | 2 | 71 | 0.43 | 0.43 | 0.42 | 0.41 | 0.41 | 0.40 | 0.40 | 0.39 | 0.38 | 0.38 |
| B2 | 2 | 81 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.33 |
| B2 | 2 | 91 | 0.33 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 |
| B2 | 2 | 101 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 |
| B2 | 2 | 111 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 |
| B2 | 2 | 121 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | | | | | |
| CH | 5 | 229 | 0.40 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.56 |
| CH | 5 | 239 | 0.56 | 0.56 | 0.55 | 0.55 | 0.54 | 0.54 | 0.53 | 0.53 | 0.52 | 0.51 |
| CH | 5 | 249 | 0.51 | 0.50 | 0.49 | 0.48 | 0.47 | 0.46 | 0.45 | 0.44 | 0.43 | 0.42 |
| CH | 5 | 259 | 0.41 | 0.40 | 0.38 | 0.37 | 0.36 | 0.34 | 0.33 | 0.31 | 0.30 | 0.28 |
| CH | 5 | 269 | 0.27 | 0.25 | 0.23 | | | | | | | |
| CW | 8 | 347 | 0.20 | 0.18 | 0.15 | 0.12 | 0.10 | 0.08 | 0.05 | 0.03 | 0.00 | 0.00 |
| CW | 8 | 357 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 367 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 387 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 397 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 407 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 417 | 0.00 | 0.00 | 0.00 | | | | | | | |
| I2 | 10 | 554 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| I2 | 10 | 564 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| I2 | 10 | 574 | 1.49 | 1.49 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| I2 | 10 | 584 | 1.50 | 1.50 | 1.50 | 1.50 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 |
| I2 | 10 | 594 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 |
| I2 | 10 | 604 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.53 | 1.53 | 1.53 |
| I2 | 10 | 614 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.54 |
| I2 | 10 | 624 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| I2 | 10 | 634 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| I2 | 10 | 644 | 1.55 | 1.55 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| I2 | 10 | 654 | 1.56 | 1.56 | 1.56 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 |
| I2 | 10 | 664 | 1.57 | 1.57 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| I2 | 10 | 674 | 1.59 | 1.59 | 1.59 | 1.59 | 1.38 | 1.38 | 1.38 | 1.39 | 1.39 | 1.39 |
| I2 | 10 | 684 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| I2 | 10 | 694 | 1.39 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| I2 | 10 | 704 | 1.40 | 1.40 | 1.40 | 1.40 | 1.41 | 1.41 | | | | |
| I3 | 12 | 829 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I3 | 12 | 839 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| I3 | 12 | 849 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |
| I3 | 12 | 859 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 |
| I3 | 12 | 869 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 | 1.45 |
| I4 | 16 | 1047 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 |
| I4 | 16 | 1057 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| I4 | 16 | 1067 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| I4 | 16 | 1077 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| I4 | 16 | 1087 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| I4 | 16 | 1097 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| I4 | 16 | 1107 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 |
| I4 | 16 | 1117 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 |
| I4 | 16 | 1127 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.20 | 1.20 | 1.20 | 1.20 |
| I4 | 16 | 1137 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| I4 | 16 | 1147 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | |
| P1 | 3 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| P1 | 3 | 136 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| P1 | 3 | 146 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| P1 | 3 | 156 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 |
| P1 | 3 | 166 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 |
| P1 | 3 | 176 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | | | |
| P2 | 4 | 183 | 0.14 | 0.20 | 0.24 | 0.32 | 0.36 | 0.39 | 0.42 | 0.45 | 0.47 | 0.49 |
| P2 | 4 | 193 | 0.51 | 0.53 | 0.55 | 0.57 | 0.58 | 0.60 | 0.61 | 0.62 | 0.63 | 0.64 |
| P2 | 4 | 203 | 0.66 | 0.67 | 0.68 | 0.68 | 0.69 | 0.70 | 0.71 | 0.72 | 0.72 | 0.73 |
| P2 | 4 | 213 | 0.74 | 0.74 | 0.75 | 0.75 | 0.76 | 0.76 | 0.77 | 0.77 | 0.78 | 0.78 |
| P2 | 4 | 223 | 0.79 | 0.79 | 0.80 | 0.80 | 0.80 | 0.81 | | | | |
| C1 | 6 | 272 | 0.08 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 |
| C1 | 6 | 282 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| C1 | 6 | 292 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| C1 | 6 | 302 | 0.12 | 0.12 | 0.12 | | | | | | | |
| C2 | 7 | 305 | 0.41 | 0.47 | 0.52 | 0.56 | 0.59 | 0.61 | 0.62 | 0.63 | 0.63 | 0.62 |
| C2 | 7 | 315 | 0.61 | 0.60 | 0.58 | 0.56 | 0.54 | 0.52 | 0.49 | 0.47 | 0.44 | 0.41 |
| C2 | 7 | 325 | 0.38 | 0.35 | 0.32 | 0.28 | 0.25 | 0.21 | 0.18 | 0.14 | 0.10 | 0.07 |
| C2 | 7 | 335 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 345 | 0.00 | 0.00 | | | | | | | | |
| I1 | 9 | 420 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.71 | 1.71 |
| I1 | 9 | 430 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 |
| I1 | 9 | 440 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 |
| I1 | 9 | 450 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 |
| I1 | 9 | 460 | 1.73 | 1.73 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 |
| I1 | 9 | 470 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| I1 | 9 | 480 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 |
| I1 | 9 | 490 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| I1 | 9 | 500 | 1.77 | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 |
| I1 | 9 | 510 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| I1 | 9 | 520 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 |
| I1 | 9 | 530 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.81 | 1.81 | 1.81 |
| I1 | 9 | 540 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.82 | 1.82 |
| I1 | 9 | 550 | 1.84 | 1.84 | 1.84 | 1.84 | | | | | | |
| BP | 11 | 710 | 1.59 | 1.58 | 1.57 | 1.56 | 1.55 | 1.54 | 1.53 | 1.52 | 1.51 | 1.50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BP | 11 | 720 | 1.49 | 1.48 | 1.47 | 1.46 | 1.45 | 1.44 | 1.43 | 1.42 | 1.42 | 1.41 |
| BP | 11 | 730 | 1.40 | 1.39 | 1.38 | 1.37 | 1.37 | 1.36 | 1.35 | 1.34 | 1.34 | 1.36 |
| BP | 11 | 740 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| BP | 11 | 750 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| BP | 11 | 760 | 1.34 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| BP | 11 | 770 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 |
| BP | 11 | 780 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| BP | 11 | 790 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| BP | 11 | 800 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 | 1.34 |
| BP | 11 | 810 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| BP | 11 | 820 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.37 | 1.37 | |
| U1 | 13 | 879 | 1.60 | 1.59 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 | 1.57 | 1.57 | 1.56 |
| U1 | 13 | 889 | 1.56 | 1.56 | 1.55 | 1.55 | 1.55 | 1.54 | 1.54 | 1.54 | 1.53 | 1.53 |
| U1 | 13 | 899 | 1.52 | 1.52 | 1.52 | 1.51 | 1.51 | 1.51 | 1.50 | 1.50 | 1.20 | 1.20 |
| U1 | 13 | 909 | 1.19 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 |
| U1 | 13 | 919 | 1.17 | 1.16 | 1.16 | 1.16 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 |
| U1 | 13 | 929 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 |
| U1 | 13 | 939 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 |
| U1 | 13 | 949 | 1.08 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 | 1.05 |
| U1 | 13 | 959 | 1.05 | 1.05 | 1.04 | 1.04 | | | | | | |
| U2 | 15 | 1007 | 0.72 | 0.72 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| U2 | 15 | 1017 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| U2 | 15 | 1027 | 0.70 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| U2 | 15 | 1037 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| LF | 14 | 963 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 973 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 983 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 993 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 1003 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 |
| B1 | 1 | 11 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 |
| B1 | 1 | 21 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 |
| B2 | 2 | 31 | 3.78 | 3.65 | 3.53 | 3.43 | 3.33 | 3.25 | 3.17 | 3.10 | 3.03 | 2.97 |
| B2 | 2 | 41 | 2.92 | 2.87 | 2.82 | 2.77 | 2.73 | 2.69 | 2.66 | 2.62 | 2.59 | 2.56 |
| B2 | 2 | 51 | 2.53 | 2.50 | 2.47 | 2.45 | 2.43 | 2.40 | 2.38 | 2.36 | 2.34 | 2.32 |
| B2 | 2 | 61 | 2.31 | 2.29 | 2.27 | 2.26 | 2.24 | 2.23 | 2.21 | 2.20 | 2.19 | 2.18 |
| B2 | 2 | 71 | 2.16 | 2.15 | 2.14 | 2.13 | 2.12 | 2.11 | 2.10 | 2.09 | 2.08 | 2.07 |
| B2 | 2 | 81 | 2.06 | 2.06 | 2.05 | 2.04 | 2.03 | 2.02 | 2.02 | 2.01 | 2.00 | 2.00 |
| B2 | 2 | 91 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.95 | 1.95 | 1.94 | 1.94 |
| B2 | 2 | 101 | 1.93 | 1.93 | 1.92 | 1.92 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.89 |
| B2 | 2 | 111 | 1.89 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 |
| B2 | 2 | 121 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | | | | | |
| CH | 5 | 229 | 2.24 | 2.20 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.18 | 2.18 | 2.17 |
| CH | 5 | 239 | 2.17 | 2.16 | 2.16 | 2.15 | 2.15 | 2.14 | 2.13 | 2.12 | 2.12 | 2.11 |
| CH | 5 | 249 | 2.10 | 2.09 | 2.08 | 2.07 | 2.06 | 2.04 | 2.03 | 2.02 | 2.01 | 1.99 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CH | 5 | 259 | 1.98 | 1.97 | 1.95 | 1.94 | 1.92 | 1.90 | 1.89 | 1.87 | 1.85 | 1.83 |
| CH | 5 | 269 | 1.81 | 1.79 | 1.77 | | | | | | | |
| CW | 8 | 347 | 1.74 | 1.71 | 1.68 | 1.65 | 1.62 | 1.59 | 1.56 | 1.54 | 1.51 | 1.50 |
| CW | 8 | 357 | 1.49 | 1.49 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.46 | 1.46 | 1.68 |
| CW | 8 | 367 | 1.68 | 1.67 | 1.65 | 1.64 | 1.63 | 1.62 | 1.61 | 1.60 | 1.59 | 1.58 |
| CW | 8 | 377 | 1.57 | 1.56 | 1.55 | 1.54 | 1.53 | 1.52 | 1.51 | 1.51 | 1.50 | 1.49 |
| CW | 8 | 387 | 1.48 | 1.48 | 1.47 | 1.46 | 1.46 | 1.45 | 1.44 | 1.44 | 1.43 | 1.43 |
| CW | 8 | 397 | 1.42 | 1.42 | 1.41 | 1.41 | 1.40 | 1.40 | 1.39 | 1.39 | 1.38 | 1.38 |
| CW | 8 | 407 | 1.37 | 1.37 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.33 |
| CW | 8 | 417 | 1.33 | 1.33 | 1.32 | | | | | | | |
| I2 | 10 | 554 | 2.75 | 2.75 | 2.76 | 2.76 | 2.77 | 2.77 | 2.78 | 2.78 | 2.79 | 2.79 |
| I2 | 10 | 564 | 2.79 | 2.80 | 2.80 | 2.81 | 2.81 | 2.82 | 2.82 | 2.83 | 2.83 | 2.84 |
| I2 | 10 | 574 | 2.84 | 2.85 | 2.85 | 2.86 | 2.86 | 2.87 | 2.87 | 2.88 | 2.88 | 2.89 |
| I2 | 10 | 584 | 2.89 | 2.90 | 2.90 | 2.91 | 2.91 | 2.92 | 2.92 | 2.93 | 2.93 | 2.94 |
| I2 | 10 | 594 | 2.94 | 2.95 | 2.95 | 2.96 | 2.96 | 2.97 | 2.97 | 2.98 | 2.98 | 2.98 |
| I2 | 10 | 604 | 2.99 | 2.99 | 3.00 | 3.00 | 3.01 | 3.01 | 3.02 | 3.02 | 3.03 | 3.03 |
| I2 | 10 | 614 | 3.04 | 3.04 | 3.05 | 3.05 | 3.06 | 3.06 | 3.07 | 3.07 | 3.08 | 3.08 |
| I2 | 10 | 624 | 3.09 | 3.09 | 3.10 | 3.10 | 3.11 | 3.11 | 3.12 | 3.12 | 3.13 | 3.13 |
| I2 | 10 | 634 | 3.14 | 3.14 | 3.15 | 3.15 | 3.16 | 3.16 | 3.16 | 3.17 | 3.17 | 3.18 |
| I2 | 10 | 644 | 3.18 | 3.19 | 3.19 | 3.20 | 3.20 | 3.21 | 3.21 | 3.22 | 3.22 | 3.23 |
| I2 | 10 | 654 | 3.23 | 3.24 | 3.24 | 3.25 | 3.25 | 3.26 | 3.26 | 3.27 | 3.27 | 3.28 |
| I2 | 10 | 664 | 3.28 | 3.29 | 3.30 | 3.30 | 3.31 | 3.31 | 3.32 | 3.32 | 3.33 | 3.33 |
| I2 | 10 | 674 | 3.34 | 3.34 | 3.34 | 3.35 | 3.07 | 3.07 | 3.08 | 3.08 | 3.08 | 3.09 |
| I2 | 10 | 684 | 3.09 | 3.10 | 3.10 | 3.10 | 3.11 | 3.11 | 3.12 | 3.12 | 3.13 | 3.13 |
| I2 | 10 | 694 | 3.13 | 3.14 | 3.14 | 3.15 | 3.15 | 3.16 | 3.16 | 3.16 | 3.17 | 3.17 |
| I2 | 10 | 704 | 3.18 | 3.18 | 3.19 | 3.19 | 3.19 | 3.20 | | | | |
| I3 | 12 | 829 | 3.18 | 3.18 | 3.18 | 3.19 | 3.19 | 3.19 | 3.19 | 3.19 | 3.20 | 3.20 |
| I3 | 12 | 839 | 3.20 | 3.20 | 3.20 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.22 | 3.22 |
| I3 | 12 | 849 | 3.22 | 3.22 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.24 | 3.24 | 3.24 |
| I3 | 12 | 859 | 3.24 | 3.24 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.26 | 3.26 | 3.26 |
| I3 | 12 | 869 | 3.26 | 3.26 | 3.27 | 3.27 | 3.27 | 3.27 | 3.27 | 3.28 | 3.28 | 3.28 |
| I4 | 16 | 1047 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.85 | 2.85 |
| I4 | 16 | 1057 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.86 | 2.86 | 2.86 | 2.86 |
| I4 | 16 | 1067 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 |
| I4 | 16 | 1077 | 2.87 | 2.87 | 2.87 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| I4 | 16 | 1087 | 2.88 | 2.88 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 |
| I4 | 16 | 1097 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.91 |
| I4 | 16 | 1107 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.92 | 2.92 |
| I4 | 16 | 1117 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.93 | 2.93 | 2.93 | 2.93 |
| I4 | 16 | 1127 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 |
| I4 | 16 | 1137 | 2.94 | 2.94 | 2.94 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 |
| I4 | 16 | 1147 | 2.95 | 2.95 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | |
| P1 | 3 | 126 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| P1 | 3 | 136 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| P1 | 3 | 146 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| P1 | 3 | 156 | 1.75 | 1.75 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 |
| P1 | 3 | 166 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| P1 | 3 | 176 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | | | |
| P2 | 4 | 183 | 1.88 | 1.99 | 2.08 | 2.23 | 2.32 | 2.38 | 2.44 | 2.50 | 2.55 | 2.59 |
| P2 | 4 | 193 | 2.64 | 2.68 | 2.71 | 2.75 | 2.78 | 2.81 | 2.84 | 2.87 | 2.90 | 2.92 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 4 | 203 | 2.94 | 2.97 | 2.99 | 3.01 | 3.03 | 3.04 | 3.06 | 3.08 | 3.09 | 3.11 |
| P2 | 4 | 213 | 3.12 | 3.14 | 3.15 | 3.16 | 3.18 | 3.19 | 3.20 | 3.21 | 3.22 | 3.23 |
| P2 | 4 | 223 | 3.24 | 3.25 | 3.26 | 3.27 | 3.28 | 3.29 | | | | |
| C1 | 6 | 272 | 1.44 | 1.52 | 1.59 | 1.64 | 1.69 | 1.74 | 1.78 | 1.81 | 1.85 | 1.87 |
| C1 | 6 | 282 | 1.90 | 1.92 | 1.95 | 1.97 | 1.98 | 2.00 | 2.02 | 2.03 | 2.05 | 2.06 |
| C1 | 6 | 292 | 2.07 | 2.08 | 2.09 | 2.10 | 2.11 | 2.12 | 2.13 | 2.14 | 2.15 | 2.15 |
| C1 | 6 | 302 | 2.16 | 2.17 | 2.17 | | | | | | | |
| C2 | 7 | 305 | 3.10 | 3.08 | 3.05 | 3.03 | 3.00 | 2.98 | 2.95 | 2.92 | 2.89 | 2.86 |
| C2 | 7 | 315 | 2.83 | 2.80 | 2.77 | 2.74 | 2.70 | 2.67 | 2.64 | 2.60 | 2.57 | 2.53 |
| C2 | 7 | 325 | 2.50 | 2.46 | 2.42 | 2.39 | 2.35 | 2.31 | 2.27 | 2.23 | 2.20 | 2.16 |
| C2 | 7 | 335 | 2.12 | 2.09 | 2.09 | 2.09 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| C2 | 7 | 345 | 2.08 | 2.08 | | | | | | | | |
| I1 | 9 | 420 | 2.83 | 2.83 | 2.83 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.85 | 2.85 |
| I1 | 9 | 430 | 2.85 | 2.85 | 2.85 | 2.85 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 |
| I1 | 9 | 440 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.88 | 2.88 | 2.88 |
| I1 | 9 | 450 | 2.88 | 2.88 | 2.88 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.90 |
| I1 | 9 | 460 | 2.90 | 2.90 | 2.90 | 2.92 | 2.92 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 |
| I1 | 9 | 470 | 2.93 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.95 | 2.95 | 2.95 |
| I1 | 9 | 480 | 2.95 | 2.95 | 2.95 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 |
| I1 | 9 | 490 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 |
| I1 | 9 | 500 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | 3.00 | 3.00 |
| I1 | 9 | 510 | 3.00 | 3.00 | 3.00 | 3.00 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 |
| I1 | 9 | 520 | 3.01 | 3.02 | 3.02 | 3.02 | 3.02 | 3.02 | 3.02 | 3.03 | 3.03 | 3.03 |
| I1 | 9 | 530 | 3.03 | 3.03 | 3.03 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.05 |
| I1 | 9 | 540 | 3.05 | 3.05 | 3.05 | 3.05 | 3.05 | 3.05 | 3.06 | 3.06 | 3.06 | 3.06 |
| I1 | 9 | 550 | 3.09 | 3.09 | 3.10 | 3.10 | | | | | | |
| BP | 11 | 710 | 3.19 | 3.18 | 3.17 | 3.16 | 3.15 | 3.14 | 3.13 | 3.12 | 3.11 | 3.10 |
| BP | 11 | 720 | 3.09 | 3.08 | 3.07 | 3.06 | 3.05 | 3.04 | 3.03 | 3.02 | 3.01 | 3.00 |
| BP | 11 | 730 | 2.99 | 2.98 | 2.97 | 2.97 | 2.96 | 2.95 | 2.94 | 2.93 | 2.92 | 3.25 |
| BP | 11 | 740 | 3.24 | 3.24 | 3.23 | 3.22 | 3.22 | 3.21 | 3.20 | 3.19 | 3.19 | 3.18 |
| BP | 11 | 750 | 3.17 | 3.17 | 3.16 | 3.15 | 3.15 | 3.14 | 3.14 | 3.13 | 3.12 | 3.12 |
| BP | 11 | 760 | 3.11 | 3.11 | 3.10 | 3.10 | 3.09 | 3.09 | 3.08 | 3.07 | 3.07 | 3.06 |
| BP | 11 | 770 | 3.06 | 3.05 | 3.05 | 3.05 | 3.04 | 3.04 | 3.03 | 3.03 | 3.02 | 3.02 |
| BP | 11 | 780 | 3.02 | 3.02 | 3.01 | 3.01 | 3.01 | 3.00 | 3.00 | 3.00 | 2.99 | 2.99 |
| BP | 11 | 790 | 2.99 | 2.98 | 2.98 | 2.98 | 2.98 | 2.97 | 2.97 | 2.97 | 2.96 | 2.96 |
| BP | 11 | 800 | 2.96 | 2.96 | 2.96 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.94 | 2.94 |
| BP | 11 | 810 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 |
| BP | 11 | 820 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | |
| U1 | 13 | 879 | 3.03 | 3.02 | 3.02 | 3.01 | 3.01 | 3.01 | 3.00 | 3.00 | 2.99 | 2.99 |
| U1 | 13 | 889 | 2.99 | 2.98 | 2.98 | 2.98 | 2.97 | 2.97 | 2.96 | 2.96 | 2.96 | 2.95 |
| U1 | 13 | 899 | 2.95 | 2.94 | 2.94 | 2.94 | 2.93 | 2.93 | 2.92 | 2.92 | 2.64 | 2.63 |
| U1 | 13 | 909 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.61 | 2.61 | 2.61 | 2.60 | 2.60 |
| U1 | 13 | 919 | 2.60 | 2.59 | 2.59 | 2.59 | 2.58 | 2.58 | 2.58 | 2.57 | 2.57 | 2.57 |
| U1 | 13 | 929 | 2.56 | 2.56 | 2.56 | 2.55 | 2.55 | 2.55 | 2.54 | 2.54 | 2.54 | 2.53 |
| U1 | 13 | 939 | 2.53 | 2.53 | 2.52 | 2.52 | 2.51 | 2.51 | 2.51 | 2.50 | 2.50 | 2.50 |
| U1 | 13 | 949 | 2.49 | 2.49 | 2.49 | 2.48 | 2.48 | 2.48 | 2.47 | 2.47 | 2.47 | 2.46 |
| U1 | 13 | 959 | 2.46 | 2.46 | 2.45 | 2.45 | | | | | | |
| U2 | 15 | 1007 | 2.14 | 2.14 | 2.14 | 2.14 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| U2 | 15 | 1017 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.11 | 2.11 | 2.11 |
| U2 | 15 | 1027 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.10 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U2 | 15 | 1037 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 |
| LF | 14 | 963 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 |
| LF | 14 | 973 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 | 1.45 | 1.45 |
| LF | 14 | 983 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.46 | 1.46 |
| LF | 14 | 993 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 |
| LF | 14 | 1003 | 1.46 | 1.46 | 1.47 | 1.47 | | | | | | |

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Model for Upper Terrebonne

µg/L — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| CH | 5 | 229 | 1.53 | 3.07 | 4.60 | 6.14 | 7.67 | 9.21 | 10.74 | 12.28 | 13.81 | 15.35 |
| CH | 5 | 239 | 16.88 | 18.42 | 19.95 | 21.49 | 23.02 | 24.56 | 26.09 | 27.63 | 29.16 | 30.70 |
| CH | 5 | 249 | 32.23 | 33.77 | 35.30 | 36.84 | 38.37 | 39.91 | 41.44 | 42.98 | 44.51 | 46.05 |
| CH | 5 | 259 | 47.58 | 49.12 | 50.65 | 52.19 | 53.72 | 55.26 | 56.79 | 58.33 | 59.86 | 61.40 |
| CH | 5 | 269 | 62.93 | 64.47 | 66.00 | | | | | | | |
| CW | 8 | 347 | 65.10 | 64.19 | 63.29 | 62.38 | 61.48 | 60.58 | 59.67 | 58.77 | 57.86 | 56.96 |
| CW | 8 | 357 | 56.05 | 55.15 | 54.25 | 53.34 | 52.44 | 51.53 | 50.63 | 49.73 | 48.82 | 47.92 |
| CW | 8 | 367 | 47.01 | 46.11 | 45.21 | 44.30 | 43.40 | 42.49 | 41.59 | 40.68 | 39.78 | 38.88 |
| CW | 8 | 377 | 37.97 | 37.07 | 36.16 | 35.26 | 34.36 | 33.45 | 32.55 | 31.64 | 30.74 | 29.84 |
| CW | 8 | 387 | 28.93 | 28.03 | 27.12 | 26.22 | 25.32 | 24.41 | 23.51 | 22.60 | 21.70 | 20.79 |
| CW | 8 | 397 | 19.89 | 18.99 | 18.08 | 17.18 | 16.27 | 15.37 | 14.47 | 13.56 | 12.66 | 11.75 |
| CW | 8 | 407 | 10.85 | 9.95 | 9.04 | 8.14 | 7.23 | 6.33 | 5.42 | 4.52 | 3.62 | 2.71 |
| CW | 8 | 417 | 1.81 | 0.90 | 0.00 | | | | | | | |
| I2 | 10 | 554 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 564 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 574 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 584 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 594 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 674 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I2 | 10 | 684 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 694 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 704 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| I3 | 12 | 829 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 839 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 849 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 859 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 869 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1047 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1057 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1067 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1077 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1087 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1097 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| P1 | 3 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P2 | 4 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| C1 | 6 | 272 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 282 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 292 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 302 | 0.00 | 0.00 | 0.00 | | | | | | | |
| C2 | 7 | 305 | 1.57 | 3.14 | 4.71 | 6.29 | 7.86 | 9.43 | 11.00 | 12.57 | 14.14 | 15.71 |
| C2 | 7 | 315 | 17.29 | 18.86 | 20.43 | 22.00 | 23.57 | 25.14 | 26.71 | 28.29 | 29.86 | 31.43 |
| C2 | 7 | 325 | 33.00 | 34.57 | 36.14 | 37.71 | 39.29 | 40.86 | 42.43 | 44.00 | 45.57 | 47.14 |
| C2 | 7 | 335 | 48.71 | 50.29 | 51.86 | 53.43 | 55.00 | 56.57 | 58.14 | 59.71 | 61.29 | 62.86 |
| C2 | 7 | 345 | 64.43 | 66.00 | | | | | | | | |
| I1 | 9 | 420 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 430 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 440 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 450 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 460 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 470 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 480 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 490 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 500 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 510 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 520 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I1 | 9 | 530 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 540 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 550 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| BP | 11 | 710 | 57.51 | 57.03 | 56.54 | 56.05 | 55.56 | 55.08 | 54.59 | 54.10 | 53.61 | 53.13 |
| BP | 11 | 720 | 52.64 | 52.15 | 51.66 | 51.18 | 50.69 | 50.20 | 49.71 | 49.23 | 48.74 | 48.25 |
| BP | 11 | 730 | 47.76 | 47.28 | 46.79 | 46.30 | 45.82 | 45.33 | 44.84 | 44.35 | 43.87 | 43.38 |
| BP | 11 | 740 | 42.89 | 42.40 | 41.92 | 41.43 | 40.94 | 40.45 | 39.97 | 39.48 | 38.99 | 38.50 |
| BP | 11 | 750 | 38.02 | 37.53 | 37.04 | 36.55 | 36.07 | 35.58 | 35.09 | 34.61 | 34.12 | 33.63 |
| BP | 11 | 760 | 33.14 | 32.66 | 32.17 | 31.68 | 31.19 | 30.71 | 30.22 | 29.73 | 29.24 | 28.76 |
| BP | 11 | 770 | 28.27 | 27.78 | 27.29 | 26.81 | 26.32 | 25.83 | 25.34 | 24.86 | 24.37 | 23.88 |
| BP | 11 | 780 | 23.39 | 22.91 | 22.42 | 21.93 | 21.45 | 20.96 | 20.47 | 19.98 | 19.50 | 19.01 |
| BP | 11 | 790 | 18.52 | 18.03 | 17.55 | 17.06 | 16.57 | 16.08 | 15.60 | 15.11 | 14.62 | 14.13 |
| BP | 11 | 800 | 13.65 | 13.16 | 12.67 | 12.18 | 11.70 | 11.21 | 10.72 | 10.24 | 9.75 | 9.26 |
| BP | 11 | 810 | 8.77 | 8.29 | 7.80 | 7.31 | 6.82 | 6.34 | 5.85 | 5.36 | 4.87 | 4.39 |
| BP | 11 | 820 | 3.90 | 3.41 | 2.92 | 2.44 | 1.95 | 1.46 | 0.97 | 0.49 | 0.00 | |
| U1 | 13 | 879 | 32.07 | 32.14 | 32.21 | 32.29 | 32.36 | 32.43 | 32.50 | 32.57 | 32.64 | 32.71 |
| U1 | 13 | 889 | 32.79 | 32.86 | 32.93 | 33.00 | 33.07 | 33.14 | 33.21 | 33.29 | 33.36 | 33.43 |
| U1 | 13 | 899 | 33.50 | 33.57 | 33.64 | 33.71 | 33.79 | 33.86 | 33.93 | 34.00 | 34.07 | 34.14 |
| U1 | 13 | 909 | 34.21 | 34.29 | 34.36 | 34.43 | 34.50 | 34.57 | 34.64 | 34.71 | 34.79 | 34.86 |
| U1 | 13 | 919 | 34.93 | 35.00 | 35.07 | 35.14 | 35.21 | 35.29 | 35.36 | 35.43 | 35.50 | 35.57 |
| U1 | 13 | 929 | 35.64 | 35.71 | 35.79 | 35.86 | 35.93 | 36.00 | 36.07 | 36.14 | 36.21 | 36.29 |
| U1 | 13 | 939 | 36.36 | 36.43 | 36.50 | 36.57 | 36.64 | 36.71 | 36.79 | 36.86 | 36.93 | 37.00 |
| U1 | 13 | 949 | 37.07 | 37.14 | 37.21 | 37.29 | 37.36 | 37.43 | 37.50 | 37.57 | 37.64 | 37.71 |
| U1 | 13 | 959 | 37.79 | 37.86 | 37.93 | 38.00 | | | | | | |
| U2 | 15 | 1007 | 37.05 | 36.10 | 35.15 | 34.20 | 33.25 | 32.30 | 31.35 | 30.40 | 29.45 | 28.50 |
| U2 | 15 | 1017 | 27.55 | 26.60 | 25.65 | 24.70 | 23.75 | 22.80 | 21.85 | 20.90 | 19.95 | 19.00 |
| U2 | 15 | 1027 | 18.05 | 17.10 | 16.15 | 15.20 | 14.25 | 13.30 | 12.35 | 11.40 | 10.45 | 9.50 |
| U2 | 15 | 1037 | 8.55 | 7.60 | 6.65 | 5.70 | 4.75 | 3.80 | 2.85 | 1.90 | 0.95 | 0.00 |
| LF | 14 | 963 | 0.86 | 1.73 | 2.59 | 3.45 | 4.32 | 5.18 | 6.05 | 6.91 | 7.77 | 8.64 |
| LF | 14 | 973 | 9.50 | 10.36 | 11.23 | 12.09 | 12.95 | 13.82 | 14.68 | 15.55 | 16.41 | 17.27 |
| LF | 14 | 983 | 18.14 | 19.00 | 19.86 | 20.73 | 21.59 | 22.45 | 23.32 | 24.18 | 25.05 | 25.91 |
| LF | 14 | 993 | 26.77 | 27.64 | 28.50 | 29.36 | 30.23 | 31.09 | 31.95 | 32.82 | 33.68 | 34.55 |
| LF | 14 | 1003 | 35.41 | 36.27 | 37.14 | 38.00 | | | | | | |

INTERMEDIATE REPORT

Temperature deg C — LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 24.75 | 24.89 | 25.04 | 25.19 | 25.33 | 25.48 | 25.63 | 25.77 | 25.92 | 26.07 |
| B1 | 1 | 11 | 26.21 | 26.36 | 26.51 | 26.65 | 26.80 | 26.95 | 27.09 | 27.24 | 27.39 | 27.53 |
| B1 | 1 | 21 | 27.68 | 27.83 | 27.97 | 28.12 | 28.27 | 28.41 | 28.56 | 28.71 | 28.85 | 29.00 |
| B2 | 2 | 31 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 41 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 51 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 61 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 71 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 81 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 91 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 101 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |
| B2 | 2 | 111 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B2 | 2 | 121 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | | | | | |
| CH | 5 | 229 | 29.05 | 29.11 | 29.16 | 29.21 | 29.27 | 29.32 | 29.37 | 29.43 | 29.48 | 29.53 |
| CH | 5 | 239 | 29.59 | 29.64 | 29.70 | 29.75 | 29.80 | 29.86 | 29.91 | 29.96 | 30.02 | 30.07 |
| CH | 5 | 249 | 30.12 | 30.18 | 30.23 | 30.28 | 30.34 | 30.39 | 30.44 | 30.50 | 30.55 | 30.60 |
| CH | 5 | 259 | 30.66 | 30.71 | 30.77 | 30.82 | 30.87 | 30.93 | 30.98 | 31.03 | 31.09 | 31.14 |
| CH | 5 | 269 | 31.19 | 31.25 | 31.30 | | | | | | | |
| CW | 8 | 347 | 31.29 | 31.28 | 31.26 | 31.25 | 31.24 | 31.23 | 31.21 | 31.20 | 31.19 | 31.18 |
| CW | 8 | 357 | 31.16 | 31.15 | 31.14 | 31.13 | 31.12 | 31.10 | 31.09 | 31.08 | 31.07 | 31.05 |
| CW | 8 | 367 | 31.04 | 31.03 | 31.02 | 31.00 | 30.99 | 30.98 | 30.97 | 30.95 | 30.94 | 30.93 |
| CW | 8 | 377 | 30.92 | 30.91 | 30.89 | 30.88 | 30.87 | 30.86 | 30.84 | 30.83 | 30.82 | 30.81 |
| CW | 8 | 387 | 30.79 | 30.78 | 30.77 | 30.76 | 30.75 | 30.73 | 30.72 | 30.71 | 30.70 | 30.68 |
| CW | 8 | 397 | 30.67 | 30.66 | 30.65 | 30.63 | 30.62 | 30.61 | 30.60 | 30.58 | 30.57 | 30.56 |
| CW | 8 | 407 | 30.55 | 30.54 | 30.52 | 30.51 | 30.50 | 30.49 | 30.47 | 30.46 | 30.45 | 30.44 |
| CW | 8 | 417 | 30.42 | 30.41 | 30.40 | | | | | | | |
| I2 | 10 | 554 | 30.39 | 30.39 | 30.38 | 30.37 | 30.36 | 30.36 | 30.35 | 30.34 | 30.34 | 30.33 |
| I2 | 10 | 564 | 30.32 | 30.32 | 30.31 | 30.30 | 30.29 | 30.29 | 30.28 | 30.27 | 30.27 | 30.26 |
| I2 | 10 | 574 | 30.25 | 30.24 | 30.24 | 30.23 | 30.22 | 30.22 | 30.21 | 30.20 | 30.20 | 30.19 |
| I2 | 10 | 584 | 30.18 | 30.17 | 30.17 | 30.16 | 30.15 | 30.15 | 30.14 | 30.13 | 30.12 | 30.12 |
| I2 | 10 | 594 | 30.11 | 30.10 | 30.10 | 30.09 | 30.08 | 30.08 | 30.07 | 30.06 | 30.05 | 30.05 |
| I2 | 10 | 604 | 30.04 | 30.03 | 30.03 | 30.02 | 30.01 | 30.01 | 30.00 | 29.99 | 29.98 | 29.98 |
| I2 | 10 | 614 | 29.97 | 29.96 | 29.96 | 29.95 | 29.94 | 29.93 | 29.93 | 29.92 | 29.91 | 29.91 |
| I2 | 10 | 624 | 29.90 | 29.89 | 29.89 | 29.88 | 29.87 | 29.86 | 29.86 | 29.85 | 29.84 | 29.84 |
| I2 | 10 | 634 | 29.83 | 29.82 | 29.81 | 29.81 | 29.80 | 29.79 | 29.79 | 29.78 | 29.77 | 29.77 |
| I2 | 10 | 644 | 29.76 | 29.75 | 29.74 | 29.74 | 29.73 | 29.72 | 29.72 | 29.71 | 29.70 | 29.69 |
| I2 | 10 | 654 | 29.69 | 29.68 | 29.67 | 29.67 | 29.66 | 29.65 | 29.65 | 29.64 | 29.63 | 29.62 |
| I2 | 10 | 664 | 29.62 | 29.61 | 29.60 | 29.60 | 29.59 | 29.58 | 29.57 | 29.57 | 29.56 | 29.55 |
| I2 | 10 | 674 | 29.55 | 29.54 | 29.53 | 29.53 | 29.52 | 29.51 | 29.50 | 29.50 | 29.49 | 29.48 |
| I2 | 10 | 684 | 29.48 | 29.47 | 29.46 | 29.46 | 29.45 | 29.44 | 29.43 | 29.43 | 29.42 | 29.41 |
| I2 | 10 | 694 | 29.41 | 29.40 | 29.39 | 29.38 | 29.38 | 29.37 | 29.36 | 29.36 | 29.35 | 29.34 |
| I2 | 10 | 704 | 29.34 | 29.33 | 29.32 | 29.31 | 29.31 | 29.30 | | | | |
| I3 | 12 | 829 | 29.32 | 29.33 | 29.35 | 29.36 | 29.38 | 29.40 | 29.41 | 29.43 | 29.44 | 29.46 |
| I3 | 12 | 839 | 29.48 | 29.49 | 29.51 | 29.52 | 29.54 | 29.56 | 29.57 | 29.59 | 29.60 | 29.62 |
| I3 | 12 | 849 | 29.64 | 29.65 | 29.67 | 29.68 | 29.70 | 29.72 | 29.73 | 29.75 | 29.76 | 29.78 |
| I3 | 12 | 859 | 29.80 | 29.81 | 29.83 | 29.84 | 29.86 | 29.88 | 29.89 | 29.91 | 29.92 | 29.94 |
| I3 | 12 | 869 | 29.96 | 29.97 | 29.99 | 30.00 | 30.02 | 30.04 | 30.05 | 30.07 | 30.08 | 30.10 |
| I4 | 16 | 1047 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1057 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1067 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1077 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1087 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1097 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1107 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1117 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1127 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1137 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 |
| I4 | 16 | 1147 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | 30.10 | |
| P1 | 3 | 126 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 |
| P1 | 3 | 136 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 |
| P1 | 3 | 146 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 |
| P1 | 3 | 156 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 3 | 166 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 |
| P1 | 3 | 176 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | | | |
| P2 | 4 | 183 | 27.04 | 27.09 | 27.13 | 27.17 | 27.22 | 27.26 | 27.30 | 27.35 | 27.39 | 27.43 |
| P2 | 4 | 193 | 27.48 | 27.52 | 27.57 | 27.61 | 27.65 | 27.70 | 27.74 | 27.78 | 27.83 | 27.87 |
| P2 | 4 | 203 | 27.91 | 27.96 | 28.00 | 28.04 | 28.09 | 28.13 | 28.17 | 28.22 | 28.26 | 28.30 |
| P2 | 4 | 213 | 28.35 | 28.39 | 28.43 | 28.48 | 28.52 | 28.57 | 28.61 | 28.65 | 28.70 | 28.74 |
| P2 | 4 | 223 | 28.78 | 28.83 | 28.87 | 28.91 | 28.96 | 29.00 | | | | |
| C1 | 6 | 272 | 26.38 | 26.46 | 26.55 | 26.63 | 26.71 | 26.79 | 26.87 | 26.95 | 27.04 | 27.12 |
| C1 | 6 | 282 | 27.20 | 27.28 | 27.36 | 27.45 | 27.53 | 27.61 | 27.69 | 27.77 | 27.85 | 27.94 |
| C1 | 6 | 292 | 28.02 | 28.10 | 28.18 | 28.26 | 28.35 | 28.43 | 28.51 | 28.59 | 28.67 | 28.75 |
| C1 | 6 | 302 | 28.84 | 28.92 | 29.00 | | | | | | | |
| C2 | 7 | 305 | 29.05 | 29.11 | 29.16 | 29.22 | 29.27 | 29.33 | 29.38 | 29.44 | 29.49 | 29.55 |
| C2 | 7 | 315 | 29.60 | 29.66 | 29.71 | 29.77 | 29.82 | 29.88 | 29.93 | 29.99 | 30.04 | 30.10 |
| C2 | 7 | 325 | 30.15 | 30.20 | 30.26 | 30.31 | 30.37 | 30.42 | 30.48 | 30.53 | 30.59 | 30.64 |
| C2 | 7 | 335 | 30.70 | 30.75 | 30.81 | 30.86 | 30.92 | 30.97 | 31.03 | 31.08 | 31.14 | 31.19 |
| C2 | 7 | 345 | 31.25 | 31.30 | | | | | | | | |
| I1 | 9 | 420 | 29.80 | 29.81 | 29.81 | 29.82 | 29.82 | 29.83 | 29.83 | 29.84 | 29.84 | 29.84 |
| I1 | 9 | 430 | 29.85 | 29.85 | 29.86 | 29.86 | 29.87 | 29.87 | 29.88 | 29.88 | 29.89 | 29.89 |
| I1 | 9 | 440 | 29.89 | 29.90 | 29.90 | 29.91 | 29.91 | 29.92 | 29.92 | 29.93 | 29.93 | 29.93 |
| I1 | 9 | 450 | 29.94 | 29.94 | 29.95 | 29.95 | 29.96 | 29.96 | 29.97 | 29.97 | 29.97 | 29.98 |
| I1 | 9 | 460 | 29.98 | 29.99 | 29.99 | 30.00 | 30.00 | 30.01 | 30.01 | 30.01 | 30.02 | 30.02 |
| I1 | 9 | 470 | 30.03 | 30.03 | 30.04 | 30.04 | 30.05 | 30.05 | 30.06 | 30.06 | 30.06 | 30.07 |
| I1 | 9 | 480 | 30.07 | 30.08 | 30.08 | 30.09 | 30.09 | 30.10 | 30.10 | 30.10 | 30.11 | 30.11 |
| I1 | 9 | 490 | 30.12 | 30.12 | 30.13 | 30.13 | 30.14 | 30.14 | 30.14 | 30.15 | 30.15 | 30.16 |
| I1 | 9 | 500 | 30.16 | 30.17 | 30.17 | 30.18 | 30.18 | 30.19 | 30.19 | 30.19 | 30.20 | 30.20 |
| I1 | 9 | 510 | 30.21 | 30.21 | 30.22 | 30.22 | 30.23 | 30.23 | 30.23 | 30.24 | 30.24 | 30.25 |
| I1 | 9 | 520 | 30.25 | 30.26 | 30.26 | 30.27 | 30.27 | 30.27 | 30.28 | 30.28 | 30.29 | 30.29 |
| I1 | 9 | 530 | 30.30 | 30.30 | 30.31 | 30.31 | 30.31 | 30.32 | 30.32 | 30.33 | 30.33 | 30.34 |
| I1 | 9 | 540 | 30.34 | 30.35 | 30.35 | 30.36 | 30.36 | 30.36 | 30.37 | 30.37 | 30.38 | 30.38 |
| I1 | 9 | 550 | 30.39 | 30.39 | 30.40 | 30.40 | | | | | | |
| BP | 11 | 710 | 29.10 | 29.10 | 29.11 | 29.11 | 29.11 | 29.11 | 29.11 | 29.11 | 29.12 | 29.12 |
| BP | 11 | 720 | 29.12 | 29.12 | 29.12 | 29.12 | 29.13 | 29.13 | 29.13 | 29.13 | 29.13 | 29.13 |
| BP | 11 | 730 | 29.14 | 29.14 | 29.14 | 29.14 | 29.14 | 29.14 | 29.15 | 29.15 | 29.15 | 29.15 |
| BP | 11 | 740 | 29.15 | 29.15 | 29.16 | 29.16 | 29.16 | 29.16 | 29.16 | 29.16 | 29.17 | 29.17 |
| BP | 11 | 750 | 29.17 | 29.17 | 29.17 | 29.17 | 29.18 | 29.18 | 29.18 | 29.18 | 29.18 | 29.18 |
| BP | 11 | 760 | 29.19 | 29.19 | 29.19 | 29.19 | 29.19 | 29.19 | 29.20 | 29.20 | 29.20 | 29.20 |
| BP | 11 | 770 | 29.20 | 29.20 | 29.21 | 29.21 | 29.21 | 29.21 | 29.21 | 29.21 | 29.22 | 29.22 |
| BP | 11 | 780 | 29.22 | 29.22 | 29.22 | 29.22 | 29.23 | 29.23 | 29.23 | 29.23 | 29.23 | 29.23 |
| BP | 11 | 790 | 29.24 | 29.24 | 29.24 | 29.24 | 29.24 | 29.24 | 29.25 | 29.25 | 29.25 | 29.25 |
| BP | 11 | 800 | 29.25 | 29.25 | 29.26 | 29.26 | 29.26 | 29.26 | 29.26 | 29.26 | 29.27 | 29.27 |
| BP | 11 | 810 | 29.27 | 29.27 | 29.27 | 29.27 | 29.28 | 29.28 | 29.28 | 29.28 | 29.28 | 29.28 |
| BP | 11 | 820 | 29.29 | 29.29 | 29.29 | 29.29 | 29.29 | 29.29 | 29.30 | 29.30 | 29.30 | |
| U1 | 13 | 879 | 31.49 | 31.48 | 31.48 | 31.47 | 31.46 | 31.45 | 31.44 | 31.43 | 31.42 | 31.42 |
| U1 | 13 | 889 | 31.41 | 31.40 | 31.39 | 31.38 | 31.38 | 31.37 | 31.36 | 31.35 | 31.34 | 31.33 |
| U1 | 13 | 899 | 31.33 | 31.32 | 31.31 | 31.30 | 31.29 | 31.28 | 31.27 | 31.27 | 31.26 | 31.25 |
| U1 | 13 | 909 | 31.24 | 31.23 | 31.23 | 31.22 | 31.21 | 31.20 | 31.19 | 31.18 | 31.17 | 31.17 |
| U1 | 13 | 919 | 31.16 | 31.15 | 31.14 | 31.13 | 31.12 | 31.12 | 31.11 | 31.10 | 31.09 | 31.08 |
| U1 | 13 | 929 | 31.07 | 31.07 | 31.06 | 31.05 | 31.04 | 31.03 | 31.02 | 31.02 | 31.01 | 31.00 |
| U1 | 13 | 939 | 30.99 | 30.98 | 30.98 | 30.97 | 30.96 | 30.95 | 30.94 | 30.93 | 30.92 | 30.92 |
| U1 | 13 | 949 | 30.91 | 30.90 | 30.89 | 30.88 | 30.88 | 30.87 | 30.86 | 30.85 | 30.84 | 30.83 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U1 | 13 | 959 | 30.82 | 30.82 | 30.81 | 30.80 | | | | | | |
| U2 | 15 | 1007 | 30.78 | 30.76 | 30.75 | 30.73 | 30.71 | 30.69 | 30.68 | 30.66 | 30.64 | 30.62 |
| U2 | 15 | 1017 | 30.61 | 30.59 | 30.57 | 30.56 | 30.54 | 30.52 | 30.50 | 30.49 | 30.47 | 30.45 |
| U2 | 15 | 1027 | 30.43 | 30.41 | 30.40 | 30.38 | 30.36 | 30.34 | 30.33 | 30.31 | 30.29 | 30.27 |
| U2 | 15 | 1037 | 30.26 | 30.24 | 30.22 | 30.20 | 30.19 | 30.17 | 30.15 | 30.14 | 30.12 | 30.10 |
| LF | 14 | 963 | 30.51 | 30.51 | 30.52 | 30.53 | 30.53 | 30.54 | 30.55 | 30.55 | 30.56 | 30.57 |
| LF | 14 | 973 | 30.58 | 30.58 | 30.59 | 30.60 | 30.60 | 30.61 | 30.62 | 30.62 | 30.63 | 30.64 |
| LF | 14 | 983 | 30.64 | 30.65 | 30.66 | 30.66 | 30.67 | 30.68 | 30.68 | 30.69 | 30.70 | 30.70 |
| LF | 14 | 993 | 30.71 | 30.72 | 30.73 | 30.73 | 30.74 | 30.75 | 30.75 | 30.76 | 30.77 | 30.77 |
| LF | 14 | 1003 | 30.78 | 30.79 | 30.79 | 30.80 | | | | | | |

INTERMEDIATE REPORT

Salinity
ppt

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| CH | 5 | 229 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 239 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 249 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 259 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 269 | 0.00 | 0.00 | 0.00 | | | | | | | |
| CW | 8 | 347 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 357 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 367 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 387 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 397 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 407 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 417 | 0.00 | 0.00 | 0.00 | | | | | | | |
| I2 | 10 | 554 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 564 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 574 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 584 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 594 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I2 | 10 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 674 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 684 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 694 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 704 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| I3 | 12 | 829 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 839 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 849 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 859 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 869 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1047 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1057 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1067 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1077 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1087 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1097 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| P1 | 3 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P2 | 4 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| C1 | 6 | 272 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 282 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 292 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 302 | 0.00 | 0.00 | 0.00 | | | | | | | |
| C2 | 7 | 305 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 315 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 325 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 335 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 345 | 0.00 | 0.00 | | | | | | | | |
| I1 | 9 | 420 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 430 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 440 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 450 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 460 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 470 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 480 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I1 | 9 | 490 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 500 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 510 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 520 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 530 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 540 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 550 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| BP | 11 | 710 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 720 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 730 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 740 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 750 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 760 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 770 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 780 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 790 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 800 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 810 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 820 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| U1 | 13 | 879 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 889 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 899 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 909 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 919 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 929 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 939 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 949 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 959 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| U2 | 15 | 1007 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U2 | 15 | 1017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U2 | 15 | 1027 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U2 | 15 | 1037 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 963 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 973 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 983 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 993 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 1003 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT

River Distance — LA-QUAL Model for Upper Terrebonne

km — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 56. | 55. | 55. | 55. | 55. | 55. | 55. | 55. | 55. | 55. |
| B1 | 1 | 11 | 55. | 54. | 54. | 54. | 54. | 54. | 54. | 54. | 54. | 54. |
| B1 | 1 | 21 | 54. | 53. | 53. | 53. | 53. | 53. | 53. | 53. | 53. | 53. |
| B2 | 2 | 31 | 52. | 52. | 52. | 52. | 52. | 52. | 52. | 52. | 52. | 52. |
| B2 | 2 | 41 | 52. | 51. | 51. | 51. | 51. | 51. | 51. | 51. | 51. | 51. |
| B2 | 2 | 51 | 51. | 50. | 50. | 50. | 50. | 50. | 50. | 50. | 50. | 50. |
| B2 | 2 | 61 | 50. | 49. | 49. | 49. | 49. | 49. | 49. | 49. | 49. | 49. |
| B2 | 2 | 71 | 49. | 48. | 48. | 48. | 48. | 48. | 48. | 48. | 48. | 48. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B2 | 2 | 81 | 48. | 47. | 47. | 47. | 47. | 47. | 47. | 47. | 47. | 47. |
| B2 | 2 | 91 | 47. | 46. | 46. | 46. | 46. | 46. | 46. | 46. | 46. | 46. |
| B2 | 2 | 101 | 46. | 45. | 45. | 45. | 45. | 45. | 45. | 45. | 45. | 45. |
| B2 | 2 | 111 | 45. | 44. | 44. | 44. | 44. | 44. | 44. | 44. | 44. | 44. |
| B2 | 2 | 121 | 44. | 43. | 43. | 43. | 43. | | | | | |
| CH | 5 | 229 | 43. | 43. | 43. | 43. | 43. | 43. | 42. | 42. | 42. | 42. |
| CH | 5 | 239 | 42. | 42. | 42. | 42. | 42. | 42. | 41. | 41. | 41. | 41. |
| CH | 5 | 249 | 41. | 41. | 41. | 41. | 41. | 41. | 40. | 40. | 40. | 40. |
| CH | 5 | 259 | 40. | 40. | 40. | 40. | 40. | 40. | 39. | 39. | 39. | 39. |
| CH | 5 | 269 | 39. | 39. | 39. | | | | | | | |
| CW | 8 | 347 | 39. | 39. | 39. | 38. | 38. | 38. | 38. | 38. | 38. | 38. |
| CW | 8 | 357 | 38. | 38. | 38. | 37. | 37. | 37. | 37. | 37. | 37. | 37. |
| CW | 8 | 367 | 37. | 37. | 37. | 36. | 36. | 36. | 36. | 36. | 36. | 36. |
| CW | 8 | 377 | 36. | 36. | 36. | 35. | 35. | 35. | 35. | 35. | 35. | 35. |
| CW | 8 | 387 | 35. | 35. | 35. | 34. | 34. | 34. | 34. | 34. | 34. | 34. |
| CW | 8 | 397 | 34. | 34. | 34. | 33. | 33. | 33. | 33. | 33. | 33. | 33. |
| CW | 8 | 407 | 33. | 33. | 33. | 32. | 32. | 32. | 32. | 32. | 32. | 32. |
| CW | 8 | 417 | 32. | 32. | 32. | | | | | | | |
| I2 | 10 | 554 | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 30. |
| I2 | 10 | 564 | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 29. |
| I2 | 10 | 574 | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 28. |
| I2 | 10 | 584 | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 27. |
| I2 | 10 | 594 | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 26. |
| I2 | 10 | 604 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. |
| I2 | 10 | 614 | 25. | 25. | 25. | 25. | 25. | 25. | 25. | 25. | 25. | 24. |
| I2 | 10 | 624 | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 23. |
| I2 | 10 | 634 | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 22. |
| I2 | 10 | 644 | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 21. |
| I2 | 10 | 654 | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 20. |
| I2 | 10 | 664 | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 19. |
| I2 | 10 | 674 | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 18. |
| I2 | 10 | 684 | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 17. |
| I2 | 10 | 694 | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 16. |
| I2 | 10 | 704 | 16. | 16. | 16. | 16. | 16. | 16. | | | | |
| I3 | 12 | 829 | 16. | 16. | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. |
| I3 | 12 | 839 | 15. | 15. | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| I3 | 12 | 849 | 14. | 14. | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| I3 | 12 | 859 | 13. | 13. | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| I3 | 12 | 869 | 12. | 12. | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. |
| I4 | 16 | 1047 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| I4 | 16 | 1057 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| I4 | 16 | 1067 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| I4 | 16 | 1077 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| I4 | 16 | 1087 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| I4 | 16 | 1097 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| I4 | 16 | 1107 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| I4 | 16 | 1117 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| I4 | 16 | 1127 | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| I4 | 16 | 1137 | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| I4 | 16 | 1147 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 3 | 126 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 9. | 9. | 9. |
| P1 | 3 | 136 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 8. | 8. | 8. |
| P1 | 3 | 146 | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. |
| P1 | 3 | 156 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. |
| P1 | 3 | 166 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. |
| P1 | 3 | 176 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | | | |
| P2 | 4 | 183 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| P2 | 4 | 193 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| P2 | 4 | 203 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| P2 | 4 | 213 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 4 | 223 | 1. | 0. | 0. | 0. | 0. | 0. | | | | |
| C1 | 6 | 272 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| C1 | 6 | 282 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| C1 | 6 | 292 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| C1 | 6 | 302 | 4. | 4. | 4. | | | | | | | |
| C2 | 7 | 305 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. |
| C2 | 7 | 315 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. |
| C2 | 7 | 325 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. |
| C2 | 7 | 335 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. |
| C2 | 7 | 345 | 0. | 0. | | | | | | | | |
| I1 | 9 | 420 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 12. | 12. |
| I1 | 9 | 430 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 11. | 11. |
| I1 | 9 | 440 | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 10. | 10. |
| I1 | 9 | 450 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 9. | 9. |
| I1 | 9 | 460 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 8. | 8. |
| I1 | 9 | 470 | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 7. | 7. |
| I1 | 9 | 480 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. | 6. |
| I1 | 9 | 490 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. | 5. |
| I1 | 9 | 500 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. | 4. |
| I1 | 9 | 510 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. | 3. |
| I1 | 9 | 520 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. | 2. |
| I1 | 9 | 530 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. | 1. |
| I1 | 9 | 540 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. | 0. |
| I1 | 9 | 550 | 0. | 0. | 0. | 0. | | | | | | |
| BP | 11 | 710 | 12. | 12. | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. |
| BP | 11 | 720 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| BP | 11 | 730 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| BP | 11 | 740 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| BP | 11 | 750 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| BP | 11 | 760 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| BP | 11 | 770 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| BP | 11 | 780 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| BP | 11 | 790 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| BP | 11 | 800 | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| BP | 11 | 810 | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| BP | 11 | 820 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | |
| U1 | 13 | 879 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 11. | 11. |
| U1 | 13 | 889 | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 10. | 10. |
| U1 | 13 | 899 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 9. | 9. |
| U1 | 13 | 909 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 8. | 8. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U1 | 13 | 919 | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 7. | 7. |
| U1 | 13 | 929 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. | 6. |
| U1 | 13 | 939 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. | 5. |
| U1 | 13 | 949 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. | 4. |
| U1 | 13 | 959 | 4. | 4. | 4. | 4. | | | | | | |
| U2 | 15 | 1007 | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. |
| U2 | 15 | 1017 | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. |
| U2 | 15 | 1027 | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. |
| U2 | 15 | 1037 | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. |
| LF | 14 | 963 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. |
| LF | 14 | 973 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. |
| LF | 14 | 983 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. |
| LF | 14 | 993 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. |
| LF | 14 | 1003 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT

Flow LA-QUAL Model for Upper Terrebonne

m≥/s Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B1 | 1 | 11 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B1 | 1 | 21 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B2 | 2 | 31 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| B2 | 2 | 41 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B2 | 2 | 51 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| B2 | 2 | 61 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| B2 | 2 | 71 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| B2 | 2 | 81 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |
| B2 | 2 | 91 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| B2 | 2 | 101 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| B2 | 2 | 111 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| B2 | 2 | 121 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | |
| CH | 5 | 229 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| CH | 5 | 239 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| CH | 5 | 249 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| CH | 5 | 259 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| CH | 5 | 269 | 1.3 | 1.3 | 1.3 | | | | | | | |
| CW | 8 | 347 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| CW | 8 | 357 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| CW | 8 | 367 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| CW | 8 | 377 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| CW | 8 | 387 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| CW | 8 | 397 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| CW | 8 | 407 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| CW | 8 | 417 | 1.6 | 1.6 | 1.6 | | | | | | | |
| I2 | 10 | 554 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 564 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 574 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 584 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 594 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I2 | 10 | 604 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 614 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 624 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 634 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 644 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 654 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 664 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| I2 | 10 | 674 | 9.1 | 9.1 | 9.1 | 9.1 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| I2 | 10 | 684 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| I2 | 10 | 694 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| I2 | 10 | 704 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | | | | |
| I3 | 12 | 829 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| I3 | 12 | 839 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| I3 | 12 | 849 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| I3 | 12 | 859 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| I3 | 12 | 869 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| I4 | 16 | 1047 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1057 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1067 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1077 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1087 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1097 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1107 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1117 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1127 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1137 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| I4 | 16 | 1147 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | |
| P1 | 3 | 126 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 136 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 146 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 156 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 166 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 176 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| P2 | 4 | 183 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 4 | 193 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| P2 | 4 | 203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P2 | 4 | 213 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P2 | 4 | 223 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | | | | |
| C1 | 6 | 272 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 282 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 292 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 302 | 0.0 | 0.0 | 0.0 | | | | | | | |
| C2 | 7 | 305 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 315 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 325 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 335 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 345 | 0.0 | 0.0 | | | | | | | | |
| I1 | 9 | 420 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 430 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 440 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I1 | 9 | 450 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 460 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 470 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 480 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 490 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 500 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 510 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 520 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 530 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 540 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| I1 | 9 | 550 | 7.6 | 7.6 | 7.6 | 7.6 | | | | | | |
| BP | 11 | 710 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 720 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 730 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 740 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 750 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 760 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 770 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 780 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 790 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 800 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 810 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| BP | 11 | 820 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | |
| U1 | 13 | 879 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| U1 | 13 | 889 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| U1 | 13 | 899 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 4.9 | 4.9 |
| U1 | 13 | 909 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| U1 | 13 | 919 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| U1 | 13 | 929 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| U1 | 13 | 939 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| U1 | 13 | 949 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| U1 | 13 | 959 | 4.9 | 4.9 | 4.9 | 4.9 | | | | | | |
| U2 | 15 | 1007 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| U2 | 15 | 1017 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| U2 | 15 | 1027 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| U2 | 15 | 1037 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| LF | 14 | 963 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| LF | 14 | 973 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| LF | 14 | 983 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| LF | 14 | 993 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| LF | 14 | 1003 | 2.0 | 2.0 | 2.0 | 2.0 | | | | | | |

INTERMEDIATE REPORT

Dispersion

m≤/s

LA-QUAL Model for Upper Terrebonne

Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B1 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B1 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B2 | 2 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 121 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| CH | 5 | 229 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 239 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 249 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 259 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 269 | 0.0 | 0.0 | 0.0 | | | | | | | |
| CW | 8 | 347 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 357 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 367 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 377 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 387 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 397 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 407 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 417 | 0.0 | 0.0 | 0.0 | | | | | | | |
| I2 | 10 | 554 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 564 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 574 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 584 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 594 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 674 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 684 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 694 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 704 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| I3 | 12 | 829 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 839 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 849 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 859 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 869 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1047 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1057 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1067 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1077 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1087 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1097 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1107 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I4 | 16 | 1117 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1127 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1137 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1147 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| P1 | 3 | 126 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 3 | 136 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 3 | 146 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 3 | 156 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 3 | 166 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 3 | 176 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P2 | 4 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| C1 | 6 | 272 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 282 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 292 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 302 | 0.0 | 0.0 | 0.0 | | | | | | | |
| C2 | 7 | 305 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 315 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 325 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 335 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 345 | 0.0 | 0.0 | | | | | | | | |
| I1 | 9 | 420 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 430 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 440 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 450 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 460 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 470 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 480 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 490 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 510 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 520 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 530 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 540 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 550 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| BP | 11 | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 720 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 740 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 750 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 770 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 780 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 790 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 810 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 820 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U1 | 13 | 879 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 889 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 899 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 909 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 919 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 929 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 939 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 949 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 959 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| U2 | 15 | 1007 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U2 | 15 | 1017 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U2 | 15 | 1027 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U2 | 15 | 1037 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 963 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 1003 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT

Advective Velocity — LA-QUAL Model for Upper Terrebonne

m/s — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| B1 | 1 | 11 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| B1 | 1 | 21 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| B2 | 2 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| B2 | 2 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B2 | 2 | 101 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B2 | 2 | 111 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B2 | 2 | 121 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | |
| CH | 5 | 229 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 239 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 249 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 259 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CH | 5 | 269 | 0.0 | 0.0 | 0.0 | | | | | | | |
| CW | 8 | 347 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 357 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 367 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 377 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 387 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 397 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 407 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CW | 8 | 417 | 0.0 | 0.0 | 0.0 | | | | | | | |
| I2 | 10 | 554 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I2 | 10 | 564 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 574 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 584 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 594 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 674 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 684 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 694 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I2 | 10 | 704 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| I3 | 12 | 829 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 839 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 849 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 859 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I3 | 12 | 869 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I4 | 16 | 1047 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1057 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1067 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1077 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1087 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1097 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1107 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1117 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1127 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1137 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| I4 | 16 | 1147 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| P1 | 3 | 126 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 136 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 146 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 156 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 166 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P1 | 3 | 176 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| P2 | 4 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P2 | 4 | 223 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | |
| C1 | 6 | 272 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 282 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 292 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C1 | 6 | 302 | 0.0 | 0.0 | 0.0 | | | | | | | |
| C2 | 7 | 305 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 315 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 325 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C2 | 7 | 335 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C2 | 7 | 345 | 0.0 | 0.0 | | | | | | | | |
| I1 | 9 | 420 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 430 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 440 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 450 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 460 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 470 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 480 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 490 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 510 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 520 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 530 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 540 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I1 | 9 | 550 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| BP | 11 | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 720 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 740 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 750 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 770 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 780 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 790 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 810 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BP | 11 | 820 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| U1 | 13 | 879 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 889 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U1 | 13 | 899 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| U1 | 13 | 909 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U1 | 13 | 919 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U1 | 13 | 929 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U1 | 13 | 939 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U1 | 13 | 949 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U1 | 13 | 959 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | |
| U2 | 15 | 1007 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U2 | 15 | 1017 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U2 | 15 | 1027 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| U2 | 15 | 1037 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| LF | 14 | 963 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LF | 14 | 1003 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT

Depth — LA-QUAL Model for Upper Terrebonne

m — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B1 | 1 | 11 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B1 | 1 | 21 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B2 | 2 | 31 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 41 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 51 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 61 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 71 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 81 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 91 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 101 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 111 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 121 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| CH | 5 | 229 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| CH | 5 | 239 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| CH | 5 | 249 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| CH | 5 | 259 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| CH | 5 | 269 | 2.4 | 2.4 | 2.4 | | | | | | | |
| CW | 8 | 347 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 357 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 367 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 377 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 387 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 397 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 407 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| CW | 8 | 417 | 2.8 | 2.8 | 2.8 | | | | | | | |
| I2 | 10 | 554 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 564 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 574 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 584 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 594 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 604 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 614 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 624 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 634 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 644 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 654 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 664 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 674 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 684 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 694 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I2 | 10 | 704 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | | | |
| I3 | 12 | 829 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| I3 | 12 | 839 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| I3 | 12 | 849 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| I3 | 12 | 859 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| I3 | 12 | 869 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| I4 | 16 | 1047 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1057 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1067 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I4 | 16 | 1077 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1087 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1097 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1107 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1117 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1127 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1137 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| I4 | 16 | 1147 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | |
| P1 | 3 | 126 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P1 | 3 | 136 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P1 | 3 | 146 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P1 | 3 | 156 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P1 | 3 | 166 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P1 | 3 | 176 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | | | |
| P2 | 4 | 183 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 4 | 193 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 4 | 203 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 4 | 213 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 4 | 223 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | | | |
| C1 | 6 | 272 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| C1 | 6 | 282 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| C1 | 6 | 292 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| C1 | 6 | 302 | 0.1 | 0.1 | 0.1 | | | | | | | |
| C2 | 7 | 305 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| C2 | 7 | 315 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| C2 | 7 | 325 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| C2 | 7 | 335 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| C2 | 7 | 345 | 0.3 | 0.3 | | | | | | | | |
| I1 | 9 | 420 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 430 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 440 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 450 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 460 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 470 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 480 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 490 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 500 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 510 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 520 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 530 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 540 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| I1 | 9 | 550 | 3.0 | 3.0 | 3.0 | 3.0 | | | | | | |
| BP | 11 | 710 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 720 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 730 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 740 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 750 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 760 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 770 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 780 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BP | 11 | 790 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 800 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 810 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| BP | 11 | 820 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | |
| U1 | 13 | 879 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 889 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 899 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 909 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 919 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 929 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 939 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 949 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| U1 | 13 | 959 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | | |
| U2 | 15 | 1007 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| U2 | 15 | 1017 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| U2 | 15 | 1027 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| U2 | 15 | 1037 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| LF | 14 | 963 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| LF | 14 | 973 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| LF | 14 | 983 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| LF | 14 | 993 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| LF | 14 | 1003 | 0.8 | 0.8 | 0.8 | 0.8 | | | | | | |

INTERMEDIATE REPORT

LA-QUAL Model for Upper Terrebonne

Calibration Simulation for Upper Terrebonne model

| Width m ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B1 | 1 | 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B1 | 1 | 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| B2 | 2 | 31 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 41 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 51 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 61 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 71 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 81 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 91 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 101 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 111 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 121 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | | | | | |
| CH | 5 | 229 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| CH | 5 | 239 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| CH | 5 | 249 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| CH | 5 | 259 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| CH | 5 | 269 | 34.0 | 34.0 | 34.0 | | | | | | | |
| CW | 8 | 347 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| CW | 8 | 357 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| CW | 8 | 367 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| CW | 8 | 377 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| CW | 8 | 387 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | 8 | 397 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| CW | 8 | 407 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| CW | 8 | 417 | 47.0 | 47.0 | 47.0 | | | | | | | |
| I2 | 10 | 554 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 564 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 574 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 584 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 594 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 604 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 614 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 624 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 634 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 644 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 654 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 664 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 674 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 684 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 694 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I2 | 10 | 704 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | | | | |
| I3 | 12 | 829 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| I3 | 12 | 839 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| I3 | 12 | 849 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| I3 | 12 | 859 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| I3 | 12 | 869 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| I4 | 16 | 1047 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1057 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1067 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1077 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1087 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1097 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1107 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1117 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1127 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1137 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| I4 | 16 | 1147 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | |
| P1 | 3 | 126 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| P1 | 3 | 136 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| P1 | 3 | 146 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| P1 | 3 | 156 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| P1 | 3 | 166 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| P1 | 3 | 176 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | |
| P2 | 4 | 183 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| P2 | 4 | 193 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| P2 | 4 | 203 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| P2 | 4 | 213 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| P2 | 4 | 223 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | | | | |
| C1 | 6 | 272 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| C1 | 6 | 282 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| C1 | 6 | 292 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| C1 | 6 | 302 | 2.0 | 2.0 | 2.0 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C2 | 7 | 305 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| C2 | 7 | 315 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| C2 | 7 | 325 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| C2 | 7 | 335 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| C2 | 7 | 345 | 5.0 | 5.0 | | | | | | | | |
| I1 | 9 | 420 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 430 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 440 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 450 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 460 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 470 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 480 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 490 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 500 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 510 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 520 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 530 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 540 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| I1 | 9 | 550 | 76.0 | 76.0 | 76.0 | 76.0 | | | | | | |
| BP | 11 | 710 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 720 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 730 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 740 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 750 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 760 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 770 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 780 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 790 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 800 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 810 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| BP | 11 | 820 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | |
| U1 | 13 | 879 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 889 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 899 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 909 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 919 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 929 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 939 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 949 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| U1 | 13 | 959 | 88.0 | 88.0 | 88.0 | 88.0 | | | | | | |
| U2 | 15 | 1007 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| U2 | 15 | 1017 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| U2 | 15 | 1027 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| U2 | 15 | 1037 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| LF | 14 | 963 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| LF | 14 | 973 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| LF | 14 | 983 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| LF | 14 | 993 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| LF | 14 | 1003 | 64.0 | 64.0 | 64.0 | 64.0 | | | | | | |

Cross-Sectional Area
m≤

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B1 | 1 | 11 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B1 | 1 | 21 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| B2 | 2 | 31 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 41 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 51 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 61 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 71 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 81 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 91 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 101 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 111 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| B2 | 2 | 121 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | | | | | |
| CH | 5 | 229 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| CH | 5 | 239 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| CH | 5 | 249 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| CH | 5 | 259 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| CH | 5 | 269 | 81.6 | 81.6 | 81.6 | | | | | | | |
| CW | 8 | 347 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 357 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 367 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 377 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 387 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 397 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 407 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 | 131.6 |
| CW | 8 | 417 | 131.6 | 131.6 | 131.6 | | | | | | | |
| I2 | 10 | 554 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 564 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 574 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 584 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 594 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 604 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 614 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 624 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 634 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 644 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 654 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 664 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 674 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 684 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 694 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I2 | 10 | 704 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | | | | |
| I3 | 12 | 829 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 |
| I3 | 12 | 839 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 |
| I3 | 12 | 849 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 |
| I3 | 12 | 859 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I3 | 12 | 869 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 | 256.0 |
| I4 | 16 | 1047 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1057 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1067 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1077 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1087 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1097 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1107 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1117 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1127 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1137 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 |
| I4 | 16 | 1147 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | 175.0 | |
| P1 | 3 | 126 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P1 | 3 | 136 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P1 | 3 | 146 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P1 | 3 | 156 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P1 | 3 | 166 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P1 | 3 | 176 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | | | |
| P2 | 4 | 183 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| P2 | 4 | 193 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| P2 | 4 | 203 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| P2 | 4 | 213 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| P2 | 4 | 223 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | | | | |
| C1 | 6 | 272 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| C1 | 6 | 282 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| C1 | 6 | 292 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| C1 | 6 | 302 | 0.2 | 0.2 | 0.2 | | | | | | | |
| C2 | 7 | 305 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| C2 | 7 | 315 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| C2 | 7 | 325 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| C2 | 7 | 335 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| C2 | 7 | 345 | 1.5 | 1.5 | | | | | | | | |
| I1 | 9 | 420 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 430 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 440 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 450 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 460 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 470 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 480 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 490 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 500 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 510 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 520 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 530 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 540 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 |
| I1 | 9 | 550 | 228.0 | 228.0 | 228.0 | 228.0 | | | | | | |
| BP | 11 | 710 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 720 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 730 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 740 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BP | 11 | 750 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 760 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 770 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 780 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 790 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 800 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 810 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| BP | 11 | 820 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | |
| U1 | 13 | 879 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 889 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 899 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 909 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 919 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 929 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 939 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 949 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| U1 | 13 | 959 | 96.8 | 96.8 | 96.8 | 96.8 | | | | | | |
| U2 | 15 | 1007 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| U2 | 15 | 1017 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| U2 | 15 | 1027 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| U2 | 15 | 1037 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| LF | 14 | 963 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| LF | 14 | 973 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| LF | 14 | 983 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| LF | 14 | 993 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| LF | 14 | 1003 | 51.2 | 51.2 | 51.2 | 51.2 | | | | | | |

INTERMEDIATE REPORT

Reaeration Rate per day — LA-QUAL Model for Upper Terrebonne — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 10.952 | 10.981 | 11.011 | 11.041 | 11.071 | 11.100 | 11.130 | 11.160 | 11.190 | 11.220 |
| B1 | 1 | 11 | 11.250 | 11.280 | 11.309 | 11.340 | 11.370 | 11.400 | 11.429 | 11.459 | 11.490 | 11.520 |
| B1 | 1 | 21 | 11.550 | 11.580 | 11.610 | 11.640 | 11.670 | 11.700 | 11.731 | 11.761 | 11.791 | 11.822 |
| B2 | 2 | 31 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 |
| B2 | 2 | 41 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 |
| B2 | 2 | 51 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 |
| B2 | 2 | 61 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.828 | 0.835 | 0.843 | 0.851 | 0.858 |
| B2 | 2 | 71 | 0.866 | 0.874 | 0.881 | 0.889 | 0.896 | 0.904 | 0.911 | 0.918 | 0.925 | 0.933 |
| B2 | 2 | 81 | 0.940 | 0.947 | 0.954 | 0.961 | 0.968 | 0.974 | 0.981 | 0.988 | 0.995 | 1.001 |
| B2 | 2 | 91 | 1.008 | 1.015 | 1.021 | 1.028 | 1.034 | 1.040 | 1.047 | 1.053 | 1.059 | 1.066 |
| B2 | 2 | 101 | 1.072 | 1.078 | 1.084 | 1.090 | 1.096 | 1.103 | 1.109 | 1.115 | 1.120 | 1.126 |
| B2 | 2 | 111 | 1.132 | 1.138 | 1.144 | 1.150 | 1.156 | 1.161 | 1.167 | 1.173 | 1.178 | 1.184 |
| B2 | 2 | 121 | 1.190 | 1.195 | 1.201 | 1.206 | 1.212 | | | | | |
| CH | 5 | 229 | 0.345 | 0.345 | 0.346 | 0.346 | 0.346 | 0.347 | 0.347 | 0.347 | 0.348 | 0.348 |
| CH | 5 | 239 | 0.348 | 0.349 | 0.349 | 0.349 | 0.350 | 0.350 | 0.350 | 0.351 | 0.351 | 0.351 |
| CH | 5 | 249 | 0.352 | 0.352 | 0.352 | 0.353 | 0.353 | 0.353 | 0.354 | 0.354 | 0.354 | 0.355 |
| CH | 5 | 259 | 0.355 | 0.355 | 0.355 | 0.356 | 0.356 | 0.356 | 0.357 | 0.357 | 0.357 | 0.358 |
| CH | 5 | 269 | 0.358 | 0.358 | 0.359 | | | | | | | |
| CW | 8 | 347 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | 8 | 357 | 0.307 | 0.307 | 0.307 | 0.307 | 0.307 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 |
| CW | 8 | 367 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 | 0.306 |
| CW | 8 | 377 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 |
| CW | 8 | 387 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.305 | 0.304 | 0.304 | 0.304 | 0.304 |
| CW | 8 | 397 | 0.304 | 0.304 | 0.304 | 0.304 | 0.304 | 0.304 | 0.304 | 0.304 | 0.304 | 0.304 |
| CW | 8 | 407 | 0.304 | 0.304 | 0.303 | 0.303 | 0.303 | 0.303 | 0.303 | 0.303 | 0.303 | 0.303 |
| CW | 8 | 417 | 0.303 | 0.303 | 0.303 | | | | | | | |
| I2 | 10 | 554 | 0.283 | 0.283 | 0.283 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I2 | 10 | 564 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I2 | 10 | 574 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I2 | 10 | 584 | 0.282 | 0.282 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I2 | 10 | 594 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I2 | 10 | 604 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I2 | 10 | 614 | 0.281 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |
| I2 | 10 | 624 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |
| I2 | 10 | 634 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |
| I2 | 10 | 644 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 |
| I2 | 10 | 654 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 |
| I2 | 10 | 664 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 | 0.279 |
| I2 | 10 | 674 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 |
| I2 | 10 | 684 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 |
| I2 | 10 | 694 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.278 | 0.277 |
| I2 | 10 | 704 | 0.277 | 0.277 | 0.277 | 0.277 | 0.277 | 0.277 | | | | |
| I3 | 12 | 829 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 | 0.261 | 0.261 | 0.261 |
| I3 | 12 | 839 | 0.261 | 0.261 | 0.261 | 0.261 | 0.261 | 0.261 | 0.261 | 0.261 | 0.261 | 0.261 |
| I3 | 12 | 849 | 0.261 | 0.262 | 0.262 | 0.262 | 0.262 | 0.262 | 0.262 | 0.262 | 0.262 | 0.262 |
| I3 | 12 | 859 | 0.262 | 0.262 | 0.262 | 0.262 | 0.262 | 0.263 | 0.263 | 0.263 | 0.263 | 0.263 |
| I3 | 12 | 869 | 0.263 | 0.263 | 0.263 | 0.263 | 0.263 | 0.263 | 0.263 | 0.263 | 0.264 | 0.264 |
| I4 | 16 | 1047 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1057 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1067 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1077 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1087 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1097 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1107 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1117 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1127 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1137 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| I4 | 16 | 1147 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | |
| P1 | 3 | 126 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 |
| P1 | 3 | 136 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 | 6.402 |
| P1 | 3 | 146 | 6.402 | 6.402 | 6.408 | 6.408 | 6.408 | 6.410 | 6.410 | 6.410 | 6.410 | 6.410 |
| P1 | 3 | 156 | 6.410 | 6.410 | 6.423 | 6.423 | 6.423 | 6.423 | 6.423 | 6.423 | 6.427 | 6.427 |
| P1 | 3 | 166 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 |
| P1 | 3 | 176 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | 6.427 | | | |
| P2 | 4 | 183 | 1.332 | 1.333 | 1.334 | 1.335 | 1.336 | 1.353 | 1.383 | 1.413 | 1.443 | 1.471 |
| P2 | 4 | 193 | 1.500 | 1.528 | 1.555 | 1.583 | 1.609 | 1.636 | 1.662 | 1.688 | 1.713 | 1.738 |
| P2 | 4 | 203 | 1.763 | 1.787 | 1.812 | 1.836 | 1.860 | 1.883 | 1.907 | 1.930 | 1.953 | 1.975 |
| P2 | 4 | 213 | 1.998 | 2.020 | 2.043 | 2.065 | 2.086 | 2.108 | 2.130 | 2.151 | 2.172 | 2.193 |
| P2 | 4 | 223 | 2.214 | 2.235 | 2.256 | 2.276 | 2.296 | 2.317 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | 6 | 272 | 7.899 | 7.910 | 7.938 | 8.228 | 8.511 | 8.786 | 9.054 | 9.316 | 9.572 | 9.822 |
| C1 | 6 | 282 | 10.068 | 10.310 | 10.547 | 10.780 | 11.009 | 11.235 | 11.458 | 11.569 | 11.585 | 11.602 |
| C1 | 6 | 292 | 11.619 | 11.636 | 11.653 | 11.670 | 11.686 | 11.703 | 11.720 | 11.737 | 11.754 | 11.771 |
| C1 | 6 | 302 | 11.788 | 11.805 | 11.822 | | | | | | | |
| C2 | 7 | 305 | 2.761 | 2.764 | 2.766 | 2.769 | 2.772 | 2.774 | 2.777 | 2.780 | 2.782 | 2.785 |
| C2 | 7 | 315 | 2.787 | 2.790 | 2.793 | 2.795 | 2.798 | 2.801 | 2.803 | 2.806 | 2.809 | 2.811 |
| C2 | 7 | 325 | 2.814 | 2.817 | 2.819 | 2.822 | 2.825 | 2.827 | 2.830 | 2.833 | 2.835 | 2.838 |
| C2 | 7 | 335 | 2.841 | 2.843 | 2.846 | 2.849 | 2.851 | 2.854 | 2.857 | 2.859 | 2.862 | 2.865 |
| C2 | 7 | 345 | 2.867 | 2.870 | | | | | | | | |
| I1 | 9 | 420 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |
| I1 | 9 | 430 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |
| I1 | 9 | 440 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |
| I1 | 9 | 450 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.281 | 0.281 | 0.281 | 0.281 |
| I1 | 9 | 460 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I1 | 9 | 470 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I1 | 9 | 480 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I1 | 9 | 490 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 | 0.281 |
| I1 | 9 | 500 | 0.281 | 0.281 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I1 | 9 | 510 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I1 | 9 | 520 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I1 | 9 | 530 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 |
| I1 | 9 | 540 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.282 | 0.283 | 0.283 |
| I1 | 9 | 550 | 0.283 | 0.283 | 0.283 | 0.283 | | | | | | |
| BP | 11 | 710 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 |
| BP | 11 | 720 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 |
| BP | 11 | 730 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 |
| BP | 11 | 740 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 | 0.754 |
| BP | 11 | 750 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 |
| BP | 11 | 760 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 |
| BP | 11 | 770 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 |
| BP | 11 | 780 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 |
| BP | 11 | 790 | 0.755 | 0.755 | 0.755 | 0.755 | 0.755 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 |
| BP | 11 | 800 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 |
| BP | 11 | 810 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 |
| BP | 11 | 820 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | 0.756 | |
| U1 | 13 | 879 | 0.849 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.847 |
| U1 | 13 | 889 | 0.847 | 0.847 | 0.847 | 0.847 | 0.847 | 0.847 | 0.847 | 0.846 | 0.846 | 0.846 |
| U1 | 13 | 899 | 0.846 | 0.846 | 0.846 | 0.846 | 0.846 | 0.845 | 0.845 | 0.845 | 0.943 | 0.943 |
| U1 | 13 | 909 | 0.943 | 0.943 | 0.943 | 0.943 | 0.942 | 0.942 | 0.942 | 0.942 | 0.942 | 0.942 |
| U1 | 13 | 919 | 0.942 | 0.942 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.940 |
| U1 | 13 | 929 | 0.940 | 0.940 | 0.940 | 0.940 | 0.940 | 0.940 | 0.940 | 0.939 | 0.939 | 0.939 |
| U1 | 13 | 939 | 0.939 | 0.939 | 0.939 | 0.939 | 0.938 | 0.938 | 0.938 | 0.938 | 0.938 | 0.938 |
| U1 | 13 | 949 | 0.938 | 0.938 | 0.937 | 0.937 | 0.937 | 0.937 | 0.937 | 0.937 | 0.937 | 0.936 |
| U1 | 13 | 959 | 0.936 | 0.936 | 0.936 | 0.936 | | | | | | |
| U2 | 15 | 1007 | 0.945 | 0.945 | 0.944 | 0.944 | 0.944 | 0.943 | 0.943 | 0.943 | 0.943 | 0.942 |
| U2 | 15 | 1017 | 0.942 | 0.942 | 0.941 | 0.941 | 0.941 | 0.941 | 0.940 | 0.940 | 0.940 | 0.939 |
| U2 | 15 | 1027 | 0.939 | 0.939 | 0.939 | 0.938 | 0.938 | 0.938 | 0.937 | 0.937 | 0.937 | 0.937 |
| U2 | 15 | 1037 | 0.936 | 0.936 | 0.936 | 0.935 | 0.935 | 0.935 | 0.935 | 0.934 | 0.934 | 0.934 |
| LF | 14 | 963 | 1.308 | 1.308 | 1.308 | 1.308 | 1.309 | 1.309 | 1.309 | 1.309 | 1.309 | 1.309 |
| LF | 14 | 973 | 1.309 | 1.310 | 1.310 | 1.310 | 1.310 | 1.310 | 1.310 | 1.311 | 1.311 | 1.311 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LF | 14 | 983 | 1.311 | 1.311 | 1.311 | 1.311 | 1.312 | 1.312 | 1.312 | 1.312 | 1.312 | 1.312 |
| LF | 14 | 993 | 1.313 | 1.313 | 1.313 | 1.313 | 1.313 | 1.313 | 1.313 | 1.314 | 1.314 | 1.314 |
| LF | 14 | 1003 | 1.314 | 1.314 | 1.314 | 1.315 | | | | | | |

INTERMEDIATE REPORT

BOD Decay Rate per day — LA-QUAL Model for Upper Terrebonne — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| B1 | 1 | 11 | 0.17 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| B1 | 1 | 21 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.20 | 0.20 |
| B2 | 2 | 31 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 41 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 51 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 61 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 71 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 81 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 91 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 101 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 111 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| B2 | 2 | 121 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | | | | | |
| CH | 5 | 229 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| CH | 5 | 239 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| CH | 5 | 249 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CH | 5 | 259 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CH | 5 | 269 | 0.18 | 0.18 | 0.18 | | | | | | | |
| CW | 8 | 347 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 357 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 367 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 377 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 387 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 397 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 407 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| CW | 8 | 417 | 0.18 | 0.18 | 0.18 | | | | | | | |
| I2 | 10 | 554 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I2 | 10 | 564 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I2 | 10 | 574 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I2 | 10 | 584 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I2 | 10 | 594 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I2 | 10 | 604 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I2 | 10 | 614 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 |
| I2 | 10 | 624 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 634 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 644 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 654 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 664 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 674 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 684 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 694 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I2 | 10 | 704 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I3 | 12 | 829 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| I3 | 12 | 839 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| I3 | 12 | 849 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| I3 | 12 | 859 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.32 |
| I3 | 12 | 869 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1047 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1057 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1067 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1077 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1087 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1097 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1107 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1117 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1127 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1137 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| I4 | 16 | 1147 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | |
| P1 | 3 | 126 | 0.08 | 0.12 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 3 | 136 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 3 | 146 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 3 | 156 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 3 | 166 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 3 | 176 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | | | |
| P2 | 4 | 183 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P2 | 4 | 193 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| P2 | 4 | 203 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| P2 | 4 | 213 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| P2 | 4 | 223 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | | | | |
| C1 | 6 | 272 | 0.17 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| C1 | 6 | 282 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 |
| C1 | 6 | 292 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| C1 | 6 | 302 | 0.20 | 0.20 | 0.20 | | | | | | | |
| C2 | 7 | 305 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| C2 | 7 | 315 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 |
| C2 | 7 | 325 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| C2 | 7 | 335 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| C2 | 7 | 345 | 0.22 | 0.22 | | | | | | | | |
| I1 | 9 | 420 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I1 | 9 | 430 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| I1 | 9 | 440 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 450 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 460 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 470 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 480 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 490 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 500 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 510 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 520 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 530 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 540 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| I1 | 9 | 550 | 0.21 | 0.21 | 0.21 | 0.21 | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BP | 11 | 710 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 720 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 730 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 740 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 750 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 760 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 770 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 780 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 790 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 800 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 810 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BP | 11 | 820 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | |
| U1 | 13 | 879 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| U1 | 13 | 889 | 0.51 | 0.51 | 0.50 | 0.49 | 0.48 | 0.47 | 0.46 | 0.45 | 0.45 | 0.45 |
| U1 | 13 | 899 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.50 | 0.50 |
| U1 | 13 | 909 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| U1 | 13 | 919 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| U1 | 13 | 929 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| U1 | 13 | 939 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| U1 | 13 | 949 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| U1 | 13 | 959 | 0.49 | 0.49 | 0.49 | 0.49 | | | | | | |
| U2 | 15 | 1007 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| U2 | 15 | 1017 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 |
| U2 | 15 | 1027 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| U2 | 15 | 1037 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| LF | 14 | 963 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| LF | 14 | 973 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| LF | 14 | 983 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| LF | 14 | 993 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| LF | 14 | 1003 | 0.49 | 0.49 | 0.49 | 0.49 | | | | | | |

INTERMEDIATE REPORT

BOD Settling Rate per day — LA-QUAL Model for Upper Terrebonne — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| B2 | 2 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| CH | 5 | 229 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 239 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CH | 5 | 249 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 259 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CH | 5 | 269 | 0.00 | 0.00 | 0.00 | | | | | | | |
| CW | 8 | 347 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 357 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 367 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 387 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 397 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 407 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CW | 8 | 417 | 0.00 | 0.00 | 0.00 | | | | | | | |
| I2 | 10 | 554 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 564 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 574 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 584 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 594 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 674 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 684 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 694 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2 | 10 | 704 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| I3 | 12 | 829 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 839 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 849 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 859 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I3 | 12 | 869 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1047 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1057 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1067 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1077 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1087 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1097 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I4 | 16 | 1147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| P1 | 3 | 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 3 | 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P2 | 4 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 4 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| C1 | 6 | 272 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 282 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 292 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C1 | 6 | 302 | 0.00 | 0.00 | 0.00 | | | | | | | |
| C2 | 7 | 305 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 315 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 325 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 335 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C2 | 7 | 345 | 0.00 | 0.00 | | | | | | | | |
| I1 | 9 | 420 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 430 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 440 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 450 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 460 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 470 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 480 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 490 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 500 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 510 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 520 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 530 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 540 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I1 | 9 | 550 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| BP | 11 | 710 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 720 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 730 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 740 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 750 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 760 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 770 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 780 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 790 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 800 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 810 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BP | 11 | 820 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| U1 | 13 | 879 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 889 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 899 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 909 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 919 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 929 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 939 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 949 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U1 | 13 | 959 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| U2 | 15 | 1007 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U2 | 15 | 1017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U2 | 15 | 1027 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| U2 | 15 | 1037 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 963 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 973 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 983 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 993 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LF | 14 | 1003 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT

Ammonia Decay Rate per day — LA-QUAL Model for Upper Terrebonne Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.26 | 0.26 | 0.27 | 0.27 | 0.28 | 0.28 | 0.28 | 0.29 | 0.29 | 0.30 |
| B1 | 1 | 11 | 0.30 | 0.31 | 0.31 | 0.32 | 0.32 | 0.33 | 0.33 | 0.34 | 0.34 | 0.35 |
| B1 | 1 | 21 | 0.35 | 0.35 | 0.36 | 0.36 | 0.37 | 0.37 | 0.38 | 0.38 | 0.39 | 0.39 |
| B2 | 2 | 31 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| B2 | 2 | 41 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 51 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 61 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 71 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 81 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 91 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 101 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 111 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| B2 | 2 | 121 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | | | | | |
| CH | 5 | 229 | 0.36 | 0.36 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 |
| CH | 5 | 239 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| CH | 5 | 249 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 |
| CH | 5 | 259 | 0.34 | 0.34 | 0.35 | 0.35 | 0.36 | 0.37 | 0.37 | 0.38 | 0.39 | 0.39 |
| CH | 5 | 269 | 0.40 | 0.40 | 0.41 | | | | | | | |
| CW | 8 | 347 | 0.42 | 0.43 | 0.44 | 0.45 | 0.45 | 0.46 | 0.46 | 0.47 | 0.47 | 0.47 |
| CW | 8 | 357 | 0.47 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| CW | 8 | 367 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| CW | 8 | 377 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| CW | 8 | 387 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 |
| CW | 8 | 397 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 |
| CW | 8 | 407 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 |
| CW | 8 | 417 | 0.40 | 0.39 | 0.39 | | | | | | | |
| I2 | 10 | 554 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 |
| I2 | 10 | 564 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| I2 | 10 | 574 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| I2 | 10 | 584 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| I2 | 10 | 594 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| I2 | 10 | 604 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| I2 | 10 | 614 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 |
| I2 | 10 | 624 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| I2 | 10 | 634 | 0.37 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| I2 | 10 | 644 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| I2 | 10 | 654 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I2 | 10 | 664 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I2 | 10 | 674 | 0.35 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| I2 | 10 | 684 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 |
| I2 | 10 | 694 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| I2 | 10 | 704 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | | | | |
| I3 | 12 | 829 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| I3 | 12 | 839 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| I3 | 12 | 849 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| I3 | 12 | 859 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| I3 | 12 | 869 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| I4 | 16 | 1047 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1057 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1067 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1077 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1087 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1097 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1107 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1117 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1127 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| I4 | 16 | 1137 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 |
| I4 | 16 | 1147 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | |
| P1 | 3 | 126 | 0.03 | 0.15 | 0.25 | 0.27 | 0.28 | 0.29 | 0.30 | 0.31 | 0.31 | 0.31 |
| P1 | 3 | 136 | 0.32 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| P1 | 3 | 146 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| P1 | 3 | 156 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| P1 | 3 | 166 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| P1 | 3 | 176 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | | | |
| P2 | 4 | 183 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P2 | 4 | 193 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P2 | 4 | 203 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 |
| P2 | 4 | 213 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 |
| P2 | 4 | 223 | 0.35 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | | | | |
| C1 | 6 | 272 | 0.30 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 |
| C1 | 6 | 282 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 |
| C1 | 6 | 292 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 |
| C1 | 6 | 302 | 0.38 | 0.38 | 0.38 | | | | | | | |
| C2 | 7 | 305 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 |
| C2 | 7 | 315 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 | 0.40 | 0.40 |
| C2 | 7 | 325 | 0.41 | 0.41 | 0.41 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 |
| C2 | 7 | 335 | 0.43 | 0.44 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.46 |
| C2 | 7 | 345 | 0.46 | 0.46 | | | | | | | | |
| I1 | 9 | 420 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 430 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 440 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 450 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 460 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 470 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 480 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 490 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 500 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 510 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I1 | 9 | 520 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 530 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 540 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| I1 | 9 | 550 | 0.43 | 0.43 | 0.43 | 0.43 | | | | | | |
| BP | 11 | 710 | 0.37 | 0.37 | 0.37 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 |
| BP | 11 | 720 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.41 | 0.41 | 0.41 | 0.41 |
| BP | 11 | 730 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| BP | 11 | 740 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| BP | 11 | 750 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| BP | 11 | 760 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| BP | 11 | 770 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 |
| BP | 11 | 780 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 |
| BP | 11 | 790 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| BP | 11 | 800 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| BP | 11 | 810 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 |
| BP | 11 | 820 | 0.34 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 | |
| U1 | 13 | 879 | 0.40 | 0.40 | 0.39 | 0.38 | 0.38 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 |
| U1 | 13 | 889 | 0.34 | 0.34 | 0.33 | 0.31 | 0.28 | 0.26 | 0.24 | 0.23 | 0.22 | 0.22 |
| U1 | 13 | 899 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.36 | 0.36 |
| U1 | 13 | 909 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| U1 | 13 | 919 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| U1 | 13 | 929 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| U1 | 13 | 939 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 |
| U1 | 13 | 949 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 | 0.38 | 0.38 |
| U1 | 13 | 959 | 0.38 | 0.38 | 0.38 | 0.38 | | | | | | |
| U2 | 15 | 1007 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| U2 | 15 | 1017 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| U2 | 15 | 1027 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| U2 | 15 | 1037 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| LF | 14 | 963 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 |
| LF | 14 | 973 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| LF | 14 | 983 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| LF | 14 | 993 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 | 0.40 | 0.40 | 0.40 |
| LF | 14 | 1003 | 0.40 | 0.40 | 0.40 | 0.40 | | | | | | |

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL Model for Upper Terrebonne

g/m≤/d — Calibration Simulation for Upper Terrebonne model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 1 | 1 | 0.94 | 0.95 | 0.96 | 0.97 | 0.98 | 0.99 | 1.00 | 1.01 | 1.02 | 1.03 |
| B1 | 1 | 11 | 1.04 | 1.04 | 1.05 | 1.06 | 1.07 | 1.08 | 1.09 | 1.10 | 1.11 | 1.12 |
| B1 | 1 | 21 | 1.14 | 1.15 | 1.16 | 1.17 | 1.18 | 1.19 | 1.20 | 1.21 | 1.22 | 1.23 |
| B2 | 2 | 31 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 41 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 51 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 61 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 71 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 81 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 91 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 101 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B2 | 2 | 111 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| B2 | 2 | 121 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | | | | | |
| CH | 5 | 229 | 5.31 | 5.32 | 5.34 | 5.36 | 5.38 | 5.40 | 5.41 | 5.43 | 5.45 | 5.47 |
| CH | 5 | 239 | 5.49 | 5.51 | 5.52 | 5.54 | 5.56 | 5.58 | 5.60 | 5.62 | 5.64 | 5.66 |
| CH | 5 | 249 | 5.68 | 5.69 | 5.71 | 5.73 | 5.75 | 5.77 | 5.79 | 5.81 | 5.83 | 5.85 |
| CH | 5 | 259 | 5.87 | 5.89 | 5.91 | 5.93 | 5.95 | 5.97 | 5.99 | 6.01 | 6.03 | 6.05 |
| CH | 5 | 269 | 6.07 | 6.09 | 6.11 | | | | | | | |
| CW | 8 | 347 | 2.04 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.02 | 2.02 | 2.02 |
| CW | 8 | 357 | 2.02 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 |
| CW | 8 | 367 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 |
| CW | 8 | 377 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 |
| CW | 8 | 387 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 |
| CW | 8 | 397 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 |
| CW | 8 | 407 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 |
| CW | 8 | 417 | 1.93 | 1.93 | 1.93 | | | | | | | |
| I2 | 10 | 554 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.49 | 2.49 | 2.49 | 2.49 |
| I2 | 10 | 564 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 |
| I2 | 10 | 574 | 2.48 | 2.48 | 2.48 | 2.48 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| I2 | 10 | 584 | 2.47 | 2.47 | 2.47 | 2.47 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 |
| I2 | 10 | 594 | 2.46 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 |
| I2 | 10 | 604 | 2.45 | 2.45 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| I2 | 10 | 614 | 2.44 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 |
| I2 | 10 | 624 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 |
| I2 | 10 | 634 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.40 |
| I2 | 10 | 644 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.39 | 2.39 |
| I2 | 10 | 654 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.38 | 2.38 |
| I2 | 10 | 664 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.37 | 2.37 | 2.37 |
| I2 | 10 | 674 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.36 | 2.36 | 2.36 |
| I2 | 10 | 684 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.35 | 2.35 | 2.35 | 2.35 |
| I2 | 10 | 694 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.34 | 2.34 | 2.34 | 2.34 |
| I2 | 10 | 704 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | | | | |
| I3 | 12 | 829 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 |
| I3 | 12 | 839 | 1.27 | 1.27 | 1.27 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I3 | 12 | 849 | 1.28 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.30 |
| I3 | 12 | 859 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.31 | 1.31 | 1.31 | 1.31 |
| I3 | 12 | 869 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1047 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1057 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1067 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1077 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1087 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1097 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1107 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1117 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1127 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1137 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| I4 | 16 | 1147 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | |
| P1 | 3 | 126 | 0.86 | 1.37 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| P1 | 3 | 136 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| P1 | 3 | 146 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 3 | 156 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| P1 | 3 | 166 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| P1 | 3 | 176 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | | | |
| P2 | 4 | 183 | 1.40 | 1.40 | 1.41 | 1.41 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.44 |
| P2 | 4 | 193 | 1.44 | 1.45 | 1.45 | 1.45 | 1.46 | 1.46 | 1.47 | 1.47 | 1.47 | 1.48 |
| P2 | 4 | 203 | 1.48 | 1.49 | 1.49 | 1.49 | 1.50 | 1.50 | 1.51 | 1.51 | 1.51 | 1.52 |
| P2 | 4 | 213 | 1.52 | 1.53 | 1.53 | 1.54 | 1.54 | 1.54 | 1.55 | 1.55 | 1.56 | 1.56 |
| P2 | 4 | 223 | 1.56 | 1.57 | 1.57 | 1.58 | 1.58 | 1.59 | | | | |
| C1 | 6 | 272 | 1.94 | 1.95 | 1.96 | 1.97 | 1.98 | 1.99 | 2.00 | 2.01 | 2.02 | 2.04 |
| C1 | 6 | 282 | 2.05 | 2.06 | 2.07 | 2.08 | 2.09 | 2.10 | 2.11 | 2.12 | 2.13 | 2.14 |
| C1 | 6 | 292 | 2.15 | 2.17 | 2.18 | 2.19 | 2.20 | 2.21 | 2.22 | 2.23 | 2.24 | 2.26 |
| C1 | 6 | 302 | 2.27 | 2.28 | 2.29 | | | | | | | |
| C2 | 7 | 305 | 2.30 | 2.31 | 2.32 | 2.32 | 2.33 | 2.34 | 2.35 | 2.36 | 2.36 | 2.37 |
| C2 | 7 | 315 | 2.38 | 2.39 | 2.40 | 2.40 | 2.41 | 2.42 | 2.43 | 2.44 | 2.45 | 2.45 |
| C2 | 7 | 325 | 2.46 | 2.47 | 2.48 | 2.49 | 2.50 | 2.51 | 2.51 | 2.52 | 2.53 | 2.54 |
| C2 | 7 | 335 | 2.55 | 2.56 | 2.57 | 2.58 | 2.59 | 2.59 | 2.60 | 2.61 | 2.62 | 2.63 |
| C2 | 7 | 345 | 2.64 | 2.65 | | | | | | | | |
| I1 | 9 | 420 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| I1 | 9 | 430 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| I1 | 9 | 440 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| I1 | 9 | 450 | 0.93 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| I1 | 9 | 460 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| I1 | 9 | 470 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| I1 | 9 | 480 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.95 | 0.95 |
| I1 | 9 | 490 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| I1 | 9 | 500 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| I1 | 9 | 510 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| I1 | 9 | 520 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.96 | 0.96 | 0.96 | 0.96 |
| I1 | 9 | 530 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| I1 | 9 | 540 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| I1 | 9 | 550 | 0.96 | 0.96 | 0.96 | 0.96 | | | | | | |
| BP | 11 | 710 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 720 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 730 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 740 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 750 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 760 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 770 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 780 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BP | 11 | 790 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 |
| BP | 11 | 800 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| BP | 11 | 810 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| BP | 11 | 820 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | |
| U1 | 13 | 879 | 3.30 | 3.30 | 3.30 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 | 3.28 |
| U1 | 13 | 889 | 3.28 | 3.28 | 3.27 | 3.18 | 3.10 | 3.04 | 2.99 | 2.94 | 2.91 | 2.89 |
| U1 | 13 | 899 | 2.87 | 2.86 | 2.85 | 2.84 | 2.84 | 2.84 | 2.84 | 2.85 | 3.25 | 3.25 |
| U1 | 13 | 909 | 3.25 | 3.25 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.23 | 3.23 |
| U1 | 13 | 919 | 3.23 | 3.23 | 3.23 | 3.23 | 3.22 | 3.22 | 3.22 | 3.22 | 3.22 | 3.22 |
| U1 | 13 | 929 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.20 | 3.20 | 3.20 | 3.20 |
| U1 | 13 | 939 | 3.20 | 3.20 | 3.19 | 3.19 | 3.19 | 3.19 | 3.19 | 3.19 | 3.18 | 3.18 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U1 | 13 | 949 | 3.18 | 3.18 | 3.18 | 3.18 | 3.17 | 3.17 | 3.17 | 3.17 | 3.17 | 3.17 |
| U1 | 13 | 959 | 3.16 | 3.16 | 3.16 | 3.16 | | | | | | |
| U2 | 15 | 1007 | 3.16 | 3.15 | 3.15 | 3.14 | 3.14 | 3.14 | 3.13 | 3.13 | 3.13 | 3.12 |
| U2 | 15 | 1017 | 3.12 | 3.12 | 3.11 | 3.11 | 3.11 | 3.10 | 3.10 | 3.10 | 3.09 | 3.09 |
| U2 | 15 | 1027 | 3.09 | 3.08 | 3.08 | 3.08 | 3.07 | 3.07 | 3.07 | 3.06 | 3.06 | 3.06 |
| U2 | 15 | 1037 | 3.05 | 3.05 | 3.05 | 3.04 | 3.04 | 3.04 | 3.03 | 3.03 | 3.03 | 3.02 |
| LF | 14 | 963 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 |
| LF | 14 | 973 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 |
| LF | 14 | 983 | 2.54 | 2.54 | 2.54 | 2.54 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 |
| LF | 14 | 993 | 2.55 | 2.55 | 2.55 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 |
| LF | 14 | 1003 | 2.56 | 2.56 | 2.57 | 2.57 | | | | | | |

CONDENSED CAPSULE SUMMARY FOR Bayou Cholpe #1

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 NH3 | CHLA | RATE | DECA | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 0.09485 | 24.60 | 0.00 | 4.10 | 4.70 | 0.00 | 2.40 | 0.03 | 0.00 | | | | | |
| 55.50 | 0.09485 | 24.75 | 0.00 | 4.22 | 4.70 | 0.00 | 2.40 | 0.03 | 0.00 | 10.95 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.94 |
| 55.40 | 0.09485 | 24.89 | 0.00 | 4.34 | 4.70 | 0.00 | 2.40 | 0.03 | 0.00 | 10.98 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.95 |
| 55.30 | 0.09485 | 25.04 | 0.00 | 4.45 | 4.69 | 0.00 | 2.40 | 0.03 | 0.00 | 11.01 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.96 |
| 55.20 | 0.09485 | 25.19 | 0.00 | 4.56 | 4.69 | 0.00 | 2.40 | 0.03 | 0.00 | 11.04 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.97 |
| 55.10 | 0.09485 | 25.33 | 0.00 | 4.67 | 4.69 | 0.00 | 2.40 | 0.03 | 0.00 | 11.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.28 | 0.98 |
| 55.00 | 0.09485 | 25.48 | 0.00 | 4.77 | 4.69 | 0.00 | 2.40 | 0.03 | 0.00 | 11.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.28 | 0.99 |
| 54.90 | 0.09485 | 25.63 | 0.00 | 4.87 | 4.68 | 0.00 | 2.40 | 0.03 | 0.00 | 11.13 | 0.17 | 0.00 | 0.00 | 0.00 | 0.28 | 1.00 |
| 54.80 | 0.09485 | 25.77 | 0.00 | 4.96 | 4.68 | 0.00 | 2.40 | 0.03 | 0.00 | 11.16 | 0.17 | 0.00 | 0.00 | 0.00 | 0.29 | 1.01 |
| 54.70 | 0.09485 | 25.92 | 0.00 | 5.05 | 4.68 | 0.00 | 2.40 | 0.03 | 0.00 | 11.19 | 0.17 | 0.00 | 0.00 | 0.00 | 0.29 | 1.02 |
| 54.60 | 0.09485 | 26.07 | 0.00 | 5.14 | 4.68 | 0.00 | 2.40 | 0.03 | 0.00 | 11.22 | 0.17 | 0.00 | 0.00 | 0.00 | 0.30 | 1.03 |
| 54.50 | 0.09485 | 26.21 | 0.00 | 5.22 | 4.67 | 0.00 | 2.40 | 0.03 | 0.00 | 11.25 | 0.17 | 0.00 | 0.00 | 0.00 | 0.30 | 1.04 |
| 54.40 | 0.09485 | 26.36 | 0.00 | 5.30 | 4.67 | 0.00 | 2.40 | 0.03 | 0.00 | 11.28 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 1.04 |
| 54.30 | 0.09485 | 26.51 | 0.00 | 5.38 | 4.67 | 0.00 | 2.40 | 0.03 | 0.00 | 11.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 1.05 |
| 54.20 | 0.09485 | 26.65 | 0.00 | 5.45 | 4.67 | 0.00 | 2.40 | 0.03 | 0.00 | 11.34 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.06 |
| 54.10 | 0.09485 | 26.80 | 0.00 | 5.52 | 4.66 | 0.00 | 2.40 | 0.03 | 0.00 | 11.37 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.07 |
| 54.00 | 0.09485 | 26.95 | 0.00 | 5.59 | 4.66 | 0.00 | 2.40 | 0.03 | 0.00 | 11.40 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 1.08 |
| 53.90 | 0.09485 | 27.09 | 0.00 | 5.65 | 4.66 | 0.00 | 2.40 | 0.03 | 0.00 | 11.43 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 1.09 |
| 53.80 | 0.09485 | 27.24 | 0.00 | 5.71 | 4.66 | 0.00 | 2.40 | 0.03 | 0.00 | 11.46 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 1.10 |
| 53.70 | 0.09485 | 27.39 | 0.00 | 5.77 | 4.65 | 0.00 | 2.40 | 0.03 | 0.00 | 11.49 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 1.11 |
| 53.60 | 0.09485 | 27.53 | 0.00 | 5.83 | 4.65 | 0.00 | 2.40 | 0.03 | 0.00 | 11.52 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 1.12 |
| 53.50 | 0.09485 | 27.68 | 0.00 | 5.88 | 4.65 | 0.00 | 2.40 | 0.03 | 0.00 | 11.55 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 1.14 |
| 53.40 | 0.09485 | 27.83 | 0.00 | 5.93 | 4.65 | 0.00 | 2.40 | 0.03 | 0.00 | 11.58 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 1.15 |
| 53.30 | 0.09485 | 27.97 | 0.00 | 5.98 | 4.64 | 0.00 | 2.40 | 0.03 | 0.00 | 11.61 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 1.16 |
| 53.20 | 0.09485 | 28.12 | 0.00 | 6.03 | 4.64 | 0.00 | 2.40 | 0.03 | 0.00 | 11.64 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 1.17 |
| 53.10 | 0.09485 | 28.27 | 0.00 | 6.07 | 4.64 | 0.00 | 2.40 | 0.03 | 0.00 | 11.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 1.18 |
| 53.00 | 0.09485 | 28.41 | 0.00 | 6.11 | 4.63 | 0.00 | 2.40 | 0.03 | 0.00 | 11.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 1.19 |
| 52.90 | 0.09485 | 28.56 | 0.00 | 6.15 | 4.63 | 0.00 | 2.40 | 0.03 | 0.00 | 11.73 | 0.19 | 0.00 | 0.00 | 0.00 | 0.38 | 1.20 |
| 52.80 | 0.09485 | 28.71 | 0.00 | 6.19 | 4.63 | 0.00 | 2.40 | 0.03 | 0.00 | 11.76 | 0.19 | 0.00 | 0.00 | 0.00 | 0.38 | 1.21 |
| 52.70 | 0.09485 | 28.85 | 0.00 | 6.23 | 4.63 | 0.00 | 2.40 | 0.03 | 0.00 | 11.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.22 |
| 52.60 | 0.09485 | 29.00 | 0.00 | 6.26 | 4.62 | 0.00 | 2.39 | 0.03 | 0.00 | 11.82 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 52.50 | 0.10100 | 29.00 | 0.00 | 6.03 | 4.80 | 0.00 | 2.33 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 52.40 | 0.10716 | 29.00 | 0.00 | 5.84 | 4.95 | 0.00 | 2.28 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52.30 | 0.11331 | 29.00 | 0.00 | 5.68 | 5.09 | 0.00 | 2.23 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 52.20 | 0.11947 | 29.00 | 0.00 | 5.54 | 5.21 | 0.00 | 2.19 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 52.10 | 0.12562 | 29.00 | 0.00 | 5.43 | 5.31 | 0.00 | 2.15 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 52.00 | 0.13178 | 29.00 | 0.00 | 5.33 | 5.40 | 0.00 | 2.12 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 51.90 | 0.13793 | 29.00 | 0.00 | 5.24 | 5.49 | 0.00 | 2.08 | 0.04 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 51.80 | 0.14409 | 29.00 | 0.00 | 5.17 | 5.56 | 0.00 | 2.06 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 51.70 | 0.15024 | 29.00 | 0.00 | 5.10 | 5.63 | 0.00 | 2.03 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 51.60 | 0.15640 | 29.00 | 0.00 | 5.04 | 5.69 | 0.00 | 2.00 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 51.50 | 0.16255 | 29.00 | 0.00 | 4.99 | 5.75 | 0.00 | 1.98 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 51.40 | 0.16871 | 29.00 | 0.00 | 4.95 | 5.80 | 0.00 | 1.96 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 51.30 | 0.17486 | 29.00 | 0.00 | 4.91 | 5.85 | 0.00 | 1.94 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 51.20 | 0.18102 | 29.00 | 0.00 | 4.87 | 5.89 | 0.00 | 1.92 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 51.10 | 0.18717 | 29.00 | 0.00 | 4.84 | 5.93 | 0.00 | 1.91 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 51.00 | 0.19333 | 29.00 | 0.00 | 4.81 | 5.97 | 0.00 | 1.89 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.90 | 0.19948 | 29.00 | 0.00 | 4.78 | 6.00 | 0.00 | 1.88 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.80 | 0.20564 | 29.00 | 0.00 | 4.75 | 6.03 | 0.00 | 1.86 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.70 | 0.21179 | 29.00 | 0.00 | 4.73 | 6.06 | 0.00 | 1.85 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.60 | 0.21794 | 29.00 | 0.00 | 4.71 | 6.09 | 0.00 | 1.84 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.50 | 0.22410 | 29.00 | 0.00 | 4.69 | 6.12 | 0.00 | 1.83 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.40 | 0.23025 | 29.00 | 0.00 | 4.67 | 6.14 | 0.00 | 1.82 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.30 | 0.23641 | 29.00 | 0.00 | 4.66 | 6.16 | 0.00 | 1.81 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.20 | 0.24256 | 29.00 | 0.00 | 4.64 | 6.19 | 0.00 | 1.80 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.10 | 0.24872 | 29.00 | 0.00 | 4.63 | 6.21 | 0.00 | 1.79 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50.00 | 0.25487 | 29.00 | 0.00 | 4.62 | 6.23 | 0.00 | 1.78 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.90 | 0.26103 | 29.00 | 0.00 | 4.61 | 6.24 | 0.00 | 1.77 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.80 | 0.26718 | 29.00 | 0.00 | 4.59 | 6.26 | 0.00 | 1.76 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.70 | 0.27334 | 29.00 | 0.00 | 4.58 | 6.28 | 0.00 | 1.75 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.60 | 0.27949 | 29.00 | 0.00 | 4.57 | 6.29 | 0.00 | 1.75 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.50 | 0.28565 | 29.00 | 0.00 | 4.56 | 6.31 | 0.00 | 1.74 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.40 | 0.29180 | 29.00 | 0.00 | 4.56 | 6.32 | 0.00 | 1.73 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.30 | 0.29796 | 29.00 | 0.00 | 4.55 | 6.33 | 0.00 | 1.73 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.20 | 0.30411 | 29.00 | 0.00 | 4.54 | 6.35 | 0.00 | 1.72 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.10 | 0.31027 | 29.00 | 0.00 | 4.53 | 6.36 | 0.00 | 1.71 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49.00 | 0.31642 | 29.00 | 0.00 | 4.53 | 6.37 | 0.00 | 1.71 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.90 | 0.32258 | 29.00 | 0.00 | 4.52 | 6.38 | 0.00 | 1.70 | 0.05 | 0.00 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.80 | 0.32873 | 29.00 | 0.00 | 4.52 | 6.39 | 0.00 | 1.70 | 0.05 | 0.00 | 0.84 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.70 | 0.33488 | 29.00 | 0.00 | 4.51 | 6.40 | 0.00 | 1.69 | 0.05 | 0.00 | 0.85 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.60 | 0.34104 | 29.00 | 0.00 | 4.51 | 6.41 | 0.00 | 1.69 | 0.05 | 0.00 | 0.86 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.50 | 0.34719 | 29.00 | 0.00 | 4.51 | 6.42 | 0.00 | 1.68 | 0.05 | 0.00 | 0.87 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.40 | 0.35335 | 29.00 | 0.00 | 4.51 | 6.43 | 0.00 | 1.68 | 0.05 | 0.00 | 0.87 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.30 | 0.35950 | 29.00 | 0.00 | 4.51 | 6.44 | 0.00 | 1.67 | 0.05 | 0.00 | 0.88 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.20 | 0.36566 | 29.00 | 0.00 | 4.51 | 6.44 | 0.00 | 1.67 | 0.05 | 0.00 | 0.89 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.10 | 0.37181 | 29.00 | 0.00 | 4.51 | 6.45 | 0.00 | 1.67 | 0.05 | 0.00 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48.00 | 0.37797 | 29.00 | 0.00 | 4.51 | 6.46 | 0.00 | 1.66 | 0.05 | 0.00 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.90 | 0.38412 | 29.00 | 0.00 | 4.52 | 6.47 | 0.00 | 1.66 | 0.05 | 0.00 | 0.91 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.80 | 0.39028 | 29.00 | 0.00 | 4.52 | 6.47 | 0.00 | 1.65 | 0.05 | 0.00 | 0.92 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.70 | 0.39643 | 29.00 | 0.00 | 4.52 | 6.48 | 0.00 | 1.65 | 0.05 | 0.00 | 0.93 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.60 | 0.40259 | 29.00 | 0.00 | 4.53 | 6.49 | 0.00 | 1.65 | 0.05 | 0.00 | 0.93 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.50 | 0.40874 | 29.00 | 0.00 | 4.53 | 6.49 | 0.00 | 1.64 | 0.05 | 0.00 | 0.94 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.40 | 0.41490 | 29.00 | 0.00 | 4.53 | 6.50 | 0.00 | 1.64 | 0.05 | 0.00 | 0.95 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47.30 | 0.42105 | 29.00 | 0.00 | 4.54 | 6.51 | 0.00 | 1.64 | 0.05 | 0.00 | 0.95 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.20 | 0.42721 | 29.00 | 0.00 | 4.54 | 6.51 | 0.00 | 1.63 | 0.05 | 0.00 | 0.96 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.10 | 0.43336 | 29.00 | 0.00 | 4.55 | 6.52 | 0.00 | 1.63 | 0.05 | 0.00 | 0.97 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47.00 | 0.43952 | 29.00 | 0.00 | 4.56 | 6.52 | 0.00 | 1.63 | 0.05 | 0.00 | 0.97 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.90 | 0.44567 | 29.00 | 0.00 | 4.56 | 6.53 | 0.00 | 1.63 | 0.05 | 0.00 | 0.98 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.80 | 0.45182 | 29.00 | 0.00 | 4.57 | 6.53 | 0.00 | 1.62 | 0.05 | 0.00 | 0.99 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.70 | 0.45798 | 29.00 | 0.00 | 4.57 | 6.54 | 0.00 | 1.62 | 0.05 | 0.00 | 0.99 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.60 | 0.46413 | 29.00 | 0.00 | 4.58 | 6.54 | 0.00 | 1.62 | 0.05 | 0.00 | 1.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.50 | 0.47029 | 29.00 | 0.00 | 4.59 | 6.55 | 0.00 | 1.62 | 0.05 | 0.00 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.40 | 0.47644 | 29.00 | 0.00 | 4.59 | 6.55 | 0.00 | 1.61 | 0.05 | 0.00 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.30 | 0.48260 | 29.00 | 0.00 | 4.60 | 6.55 | 0.00 | 1.61 | 0.05 | 0.00 | 1.02 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.20 | 0.48875 | 29.00 | 0.00 | 4.61 | 6.56 | 0.00 | 1.61 | 0.05 | 0.00 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.10 | 0.49491 | 29.00 | 0.00 | 4.62 | 6.56 | 0.00 | 1.61 | 0.05 | 0.00 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46.00 | 0.50106 | 29.00 | 0.00 | 4.62 | 6.57 | 0.00 | 1.60 | 0.05 | 0.00 | 1.04 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.90 | 0.50722 | 29.00 | 0.00 | 4.63 | 6.57 | 0.00 | 1.60 | 0.05 | 0.00 | 1.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.80 | 0.51337 | 29.00 | 0.00 | 4.64 | 6.57 | 0.00 | 1.60 | 0.05 | 0.00 | 1.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.70 | 0.51953 | 29.00 | 0.00 | 4.64 | 6.58 | 0.00 | 1.60 | 0.05 | 0.00 | 1.06 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.60 | 0.52568 | 29.00 | 0.00 | 4.65 | 6.58 | 0.00 | 1.60 | 0.05 | 0.00 | 1.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.50 | 0.53184 | 29.00 | 0.00 | 4.66 | 6.58 | 0.00 | 1.59 | 0.05 | 0.00 | 1.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.40 | 0.53799 | 29.00 | 0.00 | 4.67 | 6.59 | 0.00 | 1.59 | 0.05 | 0.00 | 1.08 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.30 | 0.54415 | 29.00 | 0.00 | 4.67 | 6.59 | 0.00 | 1.59 | 0.05 | 0.00 | 1.08 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.20 | 0.55030 | 29.00 | 0.00 | 4.68 | 6.59 | 0.00 | 1.59 | 0.05 | 0.00 | 1.09 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.10 | 0.55646 | 29.00 | 0.00 | 4.69 | 6.60 | 0.00 | 1.59 | 0.04 | 0.00 | 1.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45.00 | 0.56261 | 29.00 | 0.00 | 4.70 | 6.60 | 0.00 | 1.58 | 0.04 | 0.00 | 1.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.90 | 0.56876 | 29.00 | 0.00 | 4.71 | 6.60 | 0.00 | 1.58 | 0.04 | 0.00 | 1.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.80 | 0.57492 | 29.00 | 0.00 | 4.71 | 6.60 | 0.00 | 1.58 | 0.04 | 0.00 | 1.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.70 | 0.58107 | 29.00 | 0.00 | 4.72 | 6.61 | 0.00 | 1.58 | 0.04 | 0.00 | 1.12 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.60 | 0.58723 | 29.00 | 0.00 | 4.73 | 6.61 | 0.00 | 1.58 | 0.04 | 0.00 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.50 | 0.59338 | 29.00 | 0.00 | 4.74 | 6.61 | 0.00 | 1.58 | 0.04 | 0.00 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.40 | 0.59954 | 29.00 | 0.00 | 4.74 | 6.61 | 0.00 | 1.58 | 0.04 | 0.00 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.30 | 0.60569 | 29.00 | 0.00 | 4.75 | 6.62 | 0.00 | 1.57 | 0.04 | 0.00 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.20 | 0.61185 | 29.00 | 0.00 | 4.76 | 6.62 | 0.00 | 1.57 | 0.04 | 0.00 | 1.15 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.10 | 0.61800 | 29.00 | 0.00 | 4.77 | 6.62 | 0.00 | 1.57 | 0.04 | 0.00 | 1.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44.00 | 0.62416 | 29.00 | 0.00 | 4.77 | 6.62 | 0.00 | 1.57 | 0.04 | 0.00 | 1.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.90 | 0.63031 | 29.00 | 0.00 | 4.78 | 6.63 | 0.00 | 1.57 | 0.04 | 0.00 | 1.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.80 | 0.63647 | 29.00 | 0.00 | 4.79 | 6.63 | 0.00 | 1.57 | 0.04 | 0.00 | 1.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.70 | 0.64262 | 29.00 | 0.00 | 4.80 | 6.63 | 0.00 | 1.57 | 0.04 | 0.00 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.60 | 0.64878 | 29.00 | 0.00 | 4.81 | 6.63 | 0.00 | 1.56 | 0.04 | 0.00 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.50 | 0.65493 | 29.00 | 0.00 | 4.81 | 6.63 | 0.00 | 1.56 | 0.04 | 0.00 | 1.19 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.40 | 0.66109 | 29.00 | 0.00 | 4.82 | 6.64 | 0.00 | 1.56 | 0.04 | 0.00 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.30 | 0.66724 | 29.00 | 0.00 | 4.83 | 6.64 | 0.00 | 1.56 | 0.04 | 0.00 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.20 | 0.67339 | 29.00 | 0.00 | 4.84 | 6.64 | 0.00 | 1.56 | 0.04 | 0.00 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.10 | 0.67955 | 29.00 | 0.00 | 4.84 | 6.64 | 0.00 | 1.56 | 0.04 | 0.00 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 43.00 | 0.93711 | 29.05 | 0.00 | 4.34 | 13.25 | 0.00 | 1.79 | 0.05 | 1.53 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 5.31 |
| 42.90 | 1.31650 | 29.11 | 0.00 | 3.93 | 12.30 | 0.00 | 1.56 | 0.07 | 3.07 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 5.32 |
| 42.80 | 1.31650 | 29.16 | 0.00 | 3.73 | 12.32 | 0.00 | 1.55 | 0.07 | 4.60 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 5.34 |
| 42.70 | 1.31650 | 29.21 | 0.00 | 3.55 | 12.34 | 0.00 | 1.55 | 0.07 | 6.14 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 5.36 |
| 42.60 | 1.31650 | 29.27 | 0.00 | 3.38 | 12.36 | 0.00 | 1.55 | 0.07 | 7.67 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 5.38 |
| 42.50 | 1.31650 | 29.32 | 0.00 | 3.22 | 12.38 | 0.00 | 1.55 | 0.07 | 9.21 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 5.40 |
| 42.40 | 1.31650 | 29.37 | 0.00 | 3.08 | 12.39 | 0.00 | 1.54 | 0.07 | 10.74 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 5.41 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42.30 | 1.31650 | 29.43 | 0.00 | 2.94 | 12.41 | 0.00 | 1.54 | 0.07 | 12.28 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 5.43 |
| 42.20 | 1.31650 | 29.48 | 0.00 | 2.82 | 12.43 | 0.00 | 1.54 | 0.08 | 13.81 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 5.45 |
| 42.10 | 1.31650 | 29.53 | 0.00 | 2.70 | 12.44 | 0.00 | 1.54 | 0.08 | 15.35 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 5.47 |
| 42.00 | 1.31650 | 29.59 | 0.00 | 2.60 | 12.46 | 0.00 | 1.53 | 0.08 | 16.88 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 5.49 |
| 41.90 | 1.31650 | 29.64 | 0.00 | 2.50 | 12.47 | 0.00 | 1.53 | 0.08 | 18.42 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 5.51 |
| 41.80 | 1.31650 | 29.70 | 0.00 | 2.42 | 12.49 | 0.00 | 1.53 | 0.08 | 19.95 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 5.52 |
| 41.70 | 1.31650 | 29.75 | 0.00 | 2.34 | 12.50 | 0.00 | 1.52 | 0.08 | 21.49 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.54 |
| 41.60 | 1.31650 | 29.80 | 0.00 | 2.27 | 12.51 | 0.00 | 1.52 | 0.08 | 23.02 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.56 |
| 41.50 | 1.31650 | 29.86 | 0.00 | 2.22 | 12.52 | 0.00 | 1.52 | 0.08 | 24.56 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.58 |
| 41.40 | 1.31650 | 29.91 | 0.00 | 2.17 | 12.54 | 0.00 | 1.52 | 0.08 | 26.09 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.60 |
| 41.30 | 1.31650 | 29.96 | 0.00 | 2.13 | 12.55 | 0.00 | 1.51 | 0.08 | 27.63 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.62 |
| 41.20 | 1.31650 | 30.02 | 0.00 | 2.10 | 12.56 | 0.00 | 1.51 | 0.08 | 29.16 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.64 |
| 41.10 | 1.31650 | 30.07 | 0.00 | 2.08 | 12.57 | 0.00 | 1.51 | 0.08 | 30.70 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.66 |
| 41.00 | 1.31650 | 30.12 | 0.00 | 2.06 | 12.58 | 0.00 | 1.51 | 0.09 | 32.23 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.68 |
| 40.90 | 1.31650 | 30.18 | 0.00 | 2.06 | 12.59 | 0.00 | 1.50 | 0.09 | 33.77 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.69 |
| 40.80 | 1.31650 | 30.23 | 0.00 | 2.06 | 12.60 | 0.00 | 1.50 | 0.09 | 35.30 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.71 |
| 40.70 | 1.31650 | 30.28 | 0.00 | 2.07 | 12.60 | 0.00 | 1.50 | 0.09 | 36.84 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.73 |
| 40.60 | 1.31650 | 30.34 | 0.00 | 2.09 | 12.61 | 0.00 | 1.50 | 0.09 | 38.37 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.75 |
| 40.50 | 1.31650 | 30.39 | 0.00 | 2.12 | 12.62 | 0.00 | 1.49 | 0.09 | 39.91 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 5.77 |
| 40.40 | 1.31650 | 30.44 | 0.00 | 2.15 | 12.62 | 0.00 | 1.49 | 0.09 | 41.44 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 5.79 |
| 40.30 | 1.31650 | 30.50 | 0.00 | 2.19 | 12.63 | 0.00 | 1.49 | 0.09 | 42.98 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 5.81 |
| 40.20 | 1.31650 | 30.55 | 0.00 | 2.24 | 12.64 | 0.00 | 1.49 | 0.09 | 44.51 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 5.83 |
| 40.10 | 1.31650 | 30.60 | 0.00 | 2.29 | 12.64 | 0.00 | 1.48 | 0.09 | 46.05 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 5.85 |
| 40.00 | 1.31650 | 30.66 | 0.00 | 2.35 | 12.65 | 0.00 | 1.48 | 0.09 | 47.58 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 5.87 |
| 39.90 | 1.31650 | 30.71 | 0.00 | 2.42 | 12.65 | 0.00 | 1.48 | 0.09 | 49.12 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 5.89 |
| 39.80 | 1.31650 | 30.77 | 0.00 | 2.49 | 12.66 | 0.00 | 1.47 | 0.09 | 50.65 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 5.91 |
| 39.70 | 1.31650 | 30.82 | 0.00 | 2.57 | 12.66 | 0.00 | 1.47 | 0.09 | 52.19 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 5.93 |
| 39.60 | 1.31650 | 30.87 | 0.00 | 2.66 | 12.66 | 0.00 | 1.47 | 0.09 | 53.72 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.36 | 5.95 |
| 39.50 | 1.31650 | 30.93 | 0.00 | 2.75 | 12.66 | 0.00 | 1.47 | 0.09 | 55.26 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.37 | 5.97 |
| 39.40 | 1.31650 | 30.98 | 0.00 | 2.85 | 12.67 | 0.00 | 1.46 | 0.09 | 56.79 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.37 | 5.99 |
| 39.30 | 1.31650 | 31.03 | 0.00 | 2.96 | 12.67 | 0.00 | 1.46 | 0.09 | 58.33 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.38 | 6.01 |
| 39.20 | 1.31650 | 31.09 | 0.00 | 3.07 | 12.67 | 0.00 | 1.46 | 0.09 | 59.86 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 6.03 |
| 39.10 | 1.31650 | 31.14 | 0.00 | 3.19 | 12.67 | 0.00 | 1.46 | 0.09 | 61.40 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 6.05 |
| 39.00 | 1.31650 | 31.19 | 0.00 | 3.31 | 12.67 | 0.00 | 1.45 | 0.09 | 62.93 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 6.07 |
| 38.90 | 1.31650 | 31.25 | 0.00 | 3.44 | 12.67 | 0.00 | 1.45 | 0.09 | 64.47 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 6.09 |
| 38.80 | 1.31672 | 31.30 | 0.00 | 3.57 | 12.68 | 0.00 | 1.45 | 0.09 | 66.00 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 6.11 |
| 38.70 | 1.32587 | 31.29 | 0.00 | 3.96 | 12.58 | 0.00 | 1.45 | 0.09 | 65.10 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 2.04 |
| 38.60 | 1.32587 | 31.28 | 0.00 | 4.32 | 12.53 | 0.00 | 1.44 | 0.09 | 64.19 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 2.03 |
| 38.50 | 1.32587 | 31.26 | 0.00 | 4.66 | 12.48 | 0.00 | 1.44 | 0.09 | 63.29 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 2.03 |
| 38.40 | 1.32587 | 31.25 | 0.00 | 4.98 | 12.44 | 0.00 | 1.44 | 0.09 | 62.38 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 2.03 |
| 38.30 | 1.32587 | 31.24 | 0.00 | 5.28 | 12.39 | 0.00 | 1.43 | 0.09 | 61.48 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 2.03 |
| 38.20 | 1.32587 | 31.23 | 0.00 | 5.56 | 12.34 | 0.00 | 1.43 | 0.09 | 60.58 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 2.03 |
| 38.10 | 1.32587 | 31.21 | 0.00 | 5.83 | 12.30 | 0.00 | 1.42 | 0.09 | 59.67 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 2.03 |
| 38.00 | 1.32587 | 31.20 | 0.00 | 6.08 | 12.25 | 0.00 | 1.42 | 0.09 | 58.77 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 37.90 | 1.32587 | 31.19 | 0.00 | 6.31 | 12.21 | 0.00 | 1.42 | 0.09 | 57.86 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 37.80 | 1.32587 | 31.18 | 0.00 | 6.53 | 12.17 | 0.00 | 1.41 | 0.09 | 56.96 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 37.70 | 1.32587 | 31.16 | 0.00 | 6.73 | 12.13 | 0.00 | 1.41 | 0.09 | 56.05 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 37.60 | 1.32587 | 31.15 | 0.00 | 6.92 | 12.09 | 0.00 | 1.40 | 0.09 | 55.15 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.02 |
| 37.50 | 1.32587 | 31.14 | 0.00 | 7.09 | 12.05 | 0.00 | 1.40 | 0.08 | 54.25 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.02 |
| 37.40 | 1.32587 | 31.13 | 0.00 | 7.25 | 12.01 | 0.00 | 1.40 | 0.08 | 53.34 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.02 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.30 | 1.32587 | 31.12 | 0.00 | 7.40 | 11.98 | 0.00 | 1.39 | 0.08 | 52.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 37.20 | 1.32587 | 31.10 | 0.00 | 7.54 | 11.94 | 0.00 | 1.39 | 0.08 | 51.53 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 37.10 | 1.32587 | 31.09 | 0.00 | 7.66 | 11.90 | 0.00 | 1.38 | 0.08 | 50.63 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 37.00 | 1.32587 | 31.08 | 0.00 | 7.77 | 11.87 | 0.00 | 1.38 | 0.08 | 49.73 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 36.90 | 1.32587 | 31.07 | 0.00 | 7.87 | 11.84 | 0.00 | 1.38 | 0.08 | 48.82 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 36.80 | 1.56087 | 31.05 | 0.00 | 7.23 | 10.69 | 0.00 | 1.39 | 0.28 | 47.92 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 36.70 | 1.57969 | 31.04 | 0.00 | 7.24 | 10.89 | 0.00 | 1.39 | 0.29 | 47.01 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.60 | 1.57969 | 31.03 | 0.00 | 7.30 | 10.88 | 0.00 | 1.39 | 0.28 | 46.11 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.50 | 1.57969 | 31.02 | 0.00 | 7.35 | 10.86 | 0.00 | 1.38 | 0.27 | 45.21 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.40 | 1.57969 | 31.00 | 0.00 | 7.39 | 10.85 | 0.00 | 1.38 | 0.26 | 44.30 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.30 | 1.57969 | 30.99 | 0.00 | 7.43 | 10.84 | 0.00 | 1.38 | 0.25 | 43.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.20 | 1.57969 | 30.98 | 0.00 | 7.46 | 10.83 | 0.00 | 1.37 | 0.25 | 42.49 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.10 | 1.57969 | 30.97 | 0.00 | 7.48 | 10.83 | 0.00 | 1.37 | 0.24 | 41.59 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 36.00 | 1.57969 | 30.95 | 0.00 | 7.50 | 10.82 | 0.00 | 1.37 | 0.23 | 40.68 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 1.99 |
| 35.90 | 1.57969 | 30.94 | 0.00 | 7.51 | 10.81 | 0.00 | 1.36 | 0.22 | 39.78 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 1.99 |
| 35.80 | 1.57969 | 30.93 | 0.00 | 7.52 | 10.80 | 0.00 | 1.36 | 0.22 | 38.88 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 1.99 |
| 35.70 | 1.57969 | 30.92 | 0.00 | 7.52 | 10.79 | 0.00 | 1.36 | 0.21 | 37.97 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.99 |
| 35.60 | 1.57969 | 30.91 | 0.00 | 7.52 | 10.78 | 0.00 | 1.35 | 0.20 | 37.07 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.99 |
| 35.50 | 1.57969 | 30.89 | 0.00 | 7.51 | 10.77 | 0.00 | 1.35 | 0.20 | 36.16 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.99 |
| 35.40 | 1.57969 | 30.88 | 0.00 | 7.49 | 10.77 | 0.00 | 1.35 | 0.19 | 35.26 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 35.30 | 1.57969 | 30.87 | 0.00 | 7.47 | 10.76 | 0.00 | 1.34 | 0.19 | 34.36 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 35.20 | 1.57969 | 30.86 | 0.00 | 7.44 | 10.75 | 0.00 | 1.34 | 0.18 | 33.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 35.10 | 1.57969 | 30.84 | 0.00 | 7.41 | 10.75 | 0.00 | 1.34 | 0.18 | 32.55 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 35.00 | 1.57969 | 30.83 | 0.00 | 7.37 | 10.74 | 0.00 | 1.33 | 0.17 | 31.64 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 34.90 | 1.57969 | 30.82 | 0.00 | 7.33 | 10.73 | 0.00 | 1.33 | 0.17 | 30.74 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 34.80 | 1.57969 | 30.81 | 0.00 | 7.29 | 10.73 | 0.00 | 1.33 | 0.16 | 29.84 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.97 |
| 34.70 | 1.57969 | 30.79 | 0.00 | 7.24 | 10.72 | 0.00 | 1.32 | 0.16 | 28.93 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.97 |
| 34.60 | 1.57969 | 30.78 | 0.00 | 7.18 | 10.71 | 0.00 | 1.32 | 0.16 | 28.03 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.97 |
| 34.50 | 1.57969 | 30.77 | 0.00 | 7.12 | 10.71 | 0.00 | 1.32 | 0.15 | 27.12 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 34.40 | 1.57969 | 30.76 | 0.00 | 7.06 | 10.70 | 0.00 | 1.31 | 0.15 | 26.22 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 34.30 | 1.57969 | 30.75 | 0.00 | 6.99 | 10.70 | 0.00 | 1.31 | 0.15 | 25.32 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 34.20 | 1.57969 | 30.73 | 0.00 | 6.92 | 10.69 | 0.00 | 1.31 | 0.14 | 24.41 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 34.10 | 1.57969 | 30.72 | 0.00 | 6.84 | 10.69 | 0.00 | 1.31 | 0.14 | 23.51 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.96 |
| 34.00 | 1.57969 | 30.71 | 0.00 | 6.76 | 10.68 | 0.00 | 1.30 | 0.14 | 22.60 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.96 |
| 33.90 | 1.57969 | 30.70 | 0.00 | 6.68 | 10.68 | 0.00 | 1.30 | 0.13 | 21.70 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.96 |
| 33.80 | 1.57969 | 30.68 | 0.00 | 6.59 | 10.68 | 0.00 | 1.30 | 0.13 | 20.79 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 33.70 | 1.57969 | 30.67 | 0.00 | 6.50 | 10.67 | 0.00 | 1.29 | 0.13 | 19.89 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 33.60 | 1.57969 | 30.66 | 0.00 | 6.40 | 10.67 | 0.00 | 1.29 | 0.13 | 18.99 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 33.50 | 1.57969 | 30.65 | 0.00 | 6.31 | 10.66 | 0.00 | 1.29 | 0.12 | 18.08 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 33.40 | 1.57969 | 30.63 | 0.00 | 6.20 | 10.66 | 0.00 | 1.28 | 0.12 | 17.18 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.95 |
| 33.30 | 1.57969 | 30.62 | 0.00 | 6.10 | 10.66 | 0.00 | 1.28 | 0.12 | 16.27 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.95 |
| 33.20 | 1.57969 | 30.61 | 0.00 | 5.99 | 10.65 | 0.00 | 1.28 | 0.12 | 15.37 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 33.10 | 1.57969 | 30.60 | 0.00 | 5.88 | 10.65 | 0.00 | 1.27 | 0.12 | 14.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 33.00 | 1.57969 | 30.58 | 0.00 | 5.76 | 10.65 | 0.00 | 1.27 | 0.11 | 13.56 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 32.90 | 1.57969 | 30.57 | 0.00 | 5.64 | 10.64 | 0.00 | 1.27 | 0.11 | 12.66 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 32.80 | 1.57969 | 30.56 | 0.00 | 5.52 | 10.64 | 0.00 | 1.27 | 0.11 | 11.75 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 32.70 | 1.57969 | 30.55 | 0.00 | 5.40 | 10.64 | 0.00 | 1.26 | 0.11 | 10.85 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 32.60 | 1.57969 | 30.54 | 0.00 | 5.27 | 10.64 | 0.00 | 1.26 | 0.11 | 9.95 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 32.50 | 1.57969 | 30.52 | 0.00 | 5.14 | 10.63 | 0.00 | 1.26 | 0.11 | 9.04 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 32.40 | 1.57969 | 30.51 | 0.00 | 5.01 | 10.63 | 0.00 | 1.25 | 0.10 | 8.14 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 1.94 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.30 | 1.57969 | 30.50 | 0.00 | 4.88 | 10.63 | 0.00 | 1.25 | 0.10 | 7.23 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 1.94 |
| 32.20 | 1.57969 | 30.49 | 0.00 | 4.74 | 10.63 | 0.00 | 1.25 | 0.10 | 6.33 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 1.94 |
| 32.10 | 1.57969 | 30.47 | 0.00 | 4.60 | 10.63 | 0.00 | 1.24 | 0.10 | 5.42 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 1.93 |
| 32.00 | 1.57969 | 30.46 | 0.00 | 4.46 | 10.63 | 0.00 | 1.24 | 0.10 | 4.52 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 1.93 |
| 31.90 | 1.57969 | 30.45 | 0.00 | 4.32 | 10.62 | 0.00 | 1.24 | 0.10 | 3.62 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 1.93 |
| 31.80 | 1.57969 | 30.44 | 0.00 | 4.17 | 10.62 | 0.00 | 1.24 | 0.10 | 2.71 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 1.93 |
| 31.70 | 1.57969 | 30.42 | 0.00 | 4.02 | 10.62 | 0.00 | 1.23 | 0.10 | 1.81 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 1.93 |
| 31.60 | 1.57969 | 30.41 | 0.00 | 3.87 | 10.62 | 0.00 | 1.23 | 0.10 | 0.90 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 1.93 |
| 31.50 | 1.57969 | 30.40 | 0.00 | 3.72 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 1.93 |
| 31.40 | 9.14355 | 30.39 | 0.00 | 5.08 | 3.28 | 0.00 | 1.20 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 31.30 | 9.14355 | 30.39 | 0.00 | 5.05 | 3.27 | 0.00 | 1.20 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 31.20 | 9.14355 | 30.38 | 0.00 | 5.02 | 3.26 | 0.00 | 1.20 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 31.10 | 9.14355 | 30.37 | 0.00 | 4.99 | 3.26 | 0.00 | 1.21 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 31.00 | 9.14355 | 30.36 | 0.00 | 4.97 | 3.25 | 0.00 | 1.21 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 30.90 | 9.14355 | 30.36 | 0.00 | 4.94 | 3.24 | 0.00 | 1.22 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 30.80 | 9.14355 | 30.35 | 0.00 | 4.91 | 3.23 | 0.00 | 1.22 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.49 |
| 30.70 | 9.14355 | 30.34 | 0.00 | 4.89 | 3.22 | 0.00 | 1.22 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.49 |
| 30.60 | 9.14355 | 30.34 | 0.00 | 4.86 | 3.22 | 0.00 | 1.23 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 30.50 | 9.14355 | 30.33 | 0.00 | 4.84 | 3.21 | 0.00 | 1.23 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 30.40 | 9.14355 | 30.32 | 0.00 | 4.81 | 3.20 | 0.00 | 1.24 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 30.30 | 9.14355 | 30.32 | 0.00 | 4.79 | 3.19 | 0.00 | 1.24 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 30.20 | 9.14356 | 30.31 | 0.00 | 4.76 | 3.18 | 0.00 | 1.24 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 30.10 | 9.14356 | 30.30 | 0.00 | 4.74 | 3.18 | 0.00 | 1.25 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 30.00 | 9.14356 | 30.29 | 0.00 | 4.71 | 3.17 | 0.00 | 1.25 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 29.90 | 9.14356 | 30.29 | 0.00 | 4.69 | 3.16 | 0.00 | 1.26 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 29.80 | 9.14356 | 30.28 | 0.00 | 4.67 | 3.15 | 0.00 | 1.26 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 29.70 | 9.14356 | 30.27 | 0.00 | 4.64 | 3.15 | 0.00 | 1.26 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 29.60 | 9.14356 | 30.27 | 0.00 | 4.62 | 3.14 | 0.00 | 1.27 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 29.50 | 9.14356 | 30.26 | 0.00 | 4.60 | 3.13 | 0.00 | 1.27 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 29.40 | 9.14356 | 30.25 | 0.00 | 4.58 | 3.12 | 0.00 | 1.28 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 29.30 | 9.14356 | 30.24 | 0.00 | 4.55 | 3.12 | 0.00 | 1.28 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.48 |
| 29.20 | 9.14356 | 30.24 | 0.00 | 4.53 | 3.11 | 0.00 | 1.28 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.48 |
| 29.10 | 9.14356 | 30.23 | 0.00 | 4.51 | 3.10 | 0.00 | 1.29 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.48 |
| 29.00 | 9.14356 | 30.22 | 0.00 | 4.49 | 3.09 | 0.00 | 1.29 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.90 | 9.14356 | 30.22 | 0.00 | 4.47 | 3.09 | 0.00 | 1.29 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.80 | 9.14356 | 30.21 | 0.00 | 4.45 | 3.08 | 0.00 | 1.30 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.70 | 9.14356 | 30.20 | 0.00 | 4.43 | 3.07 | 0.00 | 1.30 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.60 | 9.14356 | 30.20 | 0.00 | 4.40 | 3.07 | 0.00 | 1.31 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.50 | 9.14356 | 30.19 | 0.00 | 4.38 | 3.06 | 0.00 | 1.31 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.40 | 9.14356 | 30.18 | 0.00 | 4.36 | 3.05 | 0.00 | 1.31 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.30 | 9.14356 | 30.17 | 0.00 | 4.34 | 3.05 | 0.00 | 1.32 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.20 | 9.14356 | 30.17 | 0.00 | 4.33 | 3.04 | 0.00 | 1.32 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.10 | 9.14356 | 30.16 | 0.00 | 4.31 | 3.03 | 0.00 | 1.33 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 28.00 | 9.14356 | 30.15 | 0.00 | 4.29 | 3.03 | 0.00 | 1.33 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.46 |
| 27.90 | 9.14356 | 30.15 | 0.00 | 4.27 | 3.02 | 0.00 | 1.33 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.80 | 9.14356 | 30.14 | 0.00 | 4.25 | 3.01 | 0.00 | 1.34 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.70 | 9.14356 | 30.13 | 0.00 | 4.23 | 3.01 | 0.00 | 1.34 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.60 | 9.14356 | 30.12 | 0.00 | 4.21 | 3.00 | 0.00 | 1.35 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.50 | 9.14356 | 30.12 | 0.00 | 4.19 | 2.99 | 0.00 | 1.35 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.40 | 9.14356 | 30.11 | 0.00 | 4.18 | 2.99 | 0.00 | 1.35 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.30 | 9.14356 | 30.10 | 0.00 | 4.16 | 2.98 | 0.00 | 1.36 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.20 | 9.14356 | 30.10 | 0.00 | 4.14 | 2.97 | 0.00 | 1.36 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 27.10 | 9.14356 | 30.09 | 0.00 | 4.12 | 2.97 | 0.00 | 1.37 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 27.00 | 9.14356 | 30.08 | 0.00 | 4.11 | 2.96 | 0.00 | 1.37 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 26.90 | 9.14356 | 30.08 | 0.00 | 4.09 | 2.95 | 0.00 | 1.37 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 26.80 | 9.14356 | 30.07 | 0.00 | 4.07 | 2.95 | 0.00 | 1.38 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 26.70 | 9.14356 | 30.06 | 0.00 | 4.06 | 2.94 | 0.00 | 1.38 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 26.60 | 9.14356 | 30.05 | 0.00 | 4.04 | 2.94 | 0.00 | 1.39 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 26.50 | 9.14356 | 30.05 | 0.00 | 4.02 | 2.93 | 0.00 | 1.39 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 26.40 | 9.14356 | 30.04 | 0.00 | 4.01 | 2.92 | 0.00 | 1.39 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.45 |
| 26.30 | 9.14356 | 30.03 | 0.00 | 3.99 | 2.92 | 0.00 | 1.40 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.45 |
| 26.20 | 9.14356 | 30.03 | 0.00 | 3.98 | 2.91 | 0.00 | 1.40 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 26.10 | 9.14356 | 30.02 | 0.00 | 3.96 | 2.91 | 0.00 | 1.40 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 26.00 | 9.14356 | 30.01 | 0.00 | 3.95 | 2.90 | 0.00 | 1.41 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.90 | 9.14356 | 30.01 | 0.00 | 3.93 | 2.89 | 0.00 | 1.41 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.80 | 9.14356 | 30.00 | 0.00 | 3.92 | 2.89 | 0.00 | 1.42 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.70 | 9.14356 | 29.99 | 0.00 | 3.90 | 2.88 | 0.00 | 1.42 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.60 | 9.14356 | 29.98 | 0.00 | 3.89 | 2.88 | 0.00 | 1.42 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.50 | 9.14356 | 29.98 | 0.00 | 3.87 | 2.87 | 0.00 | 1.43 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.40 | 9.14356 | 29.97 | 0.00 | 3.86 | 2.87 | 0.00 | 1.43 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 25.30 | 9.14356 | 29.96 | 0.00 | 3.85 | 2.86 | 0.00 | 1.44 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 25.20 | 9.14356 | 29.96 | 0.00 | 3.83 | 2.85 | 0.00 | 1.44 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 25.10 | 9.14356 | 29.95 | 0.00 | 3.82 | 2.85 | 0.00 | 1.44 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 25.00 | 9.14356 | 29.94 | 0.00 | 3.80 | 2.84 | 0.00 | 1.45 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 24.90 | 9.14356 | 29.93 | 0.00 | 3.79 | 2.84 | 0.00 | 1.45 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 24.80 | 9.14356 | 29.93 | 0.00 | 3.78 | 2.83 | 0.00 | 1.45 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 24.70 | 9.14356 | 29.92 | 0.00 | 3.76 | 2.83 | 0.00 | 1.46 | 0.08 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 24.60 | 9.14356 | 29.91 | 0.00 | 3.75 | 2.82 | 0.00 | 1.46 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 24.50 | 9.14366 | 29.91 | 0.00 | 3.74 | 2.82 | 0.00 | 1.47 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 24.40 | 9.14366 | 29.90 | 0.00 | 3.73 | 2.81 | 0.00 | 1.47 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 24.30 | 9.14366 | 29.89 | 0.00 | 3.71 | 2.81 | 0.00 | 1.47 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 24.20 | 9.14366 | 29.89 | 0.00 | 3.70 | 2.80 | 0.00 | 1.48 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 24.10 | 9.14366 | 29.88 | 0.00 | 3.69 | 2.80 | 0.00 | 1.48 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 24.00 | 9.14366 | 29.87 | 0.00 | 3.68 | 2.79 | 0.00 | 1.49 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 23.90 | 9.14366 | 29.86 | 0.00 | 3.67 | 2.79 | 0.00 | 1.49 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 23.80 | 9.14366 | 29.86 | 0.00 | 3.65 | 2.78 | 0.00 | 1.49 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 23.70 | 9.14366 | 29.85 | 0.00 | 3.64 | 2.78 | 0.00 | 1.50 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 23.60 | 9.14366 | 29.84 | 0.00 | 3.63 | 2.77 | 0.00 | 1.50 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 23.50 | 9.14366 | 29.84 | 0.00 | 3.62 | 2.77 | 0.00 | 1.50 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 23.40 | 9.14366 | 29.83 | 0.00 | 3.61 | 2.76 | 0.00 | 1.51 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 23.30 | 9.14366 | 29.82 | 0.00 | 3.60 | 2.76 | 0.00 | 1.51 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 23.20 | 9.14366 | 29.81 | 0.00 | 3.59 | 2.75 | 0.00 | 1.52 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 23.10 | 9.14366 | 29.81 | 0.00 | 3.58 | 2.75 | 0.00 | 1.52 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 23.00 | 9.14366 | 29.80 | 0.00 | 3.56 | 2.74 | 0.00 | 1.52 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 22.90 | 9.14366 | 29.79 | 0.00 | 3.55 | 2.74 | 0.00 | 1.53 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 22.80 | 9.14366 | 29.79 | 0.00 | 3.54 | 2.73 | 0.00 | 1.53 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 22.70 | 9.14366 | 29.78 | 0.00 | 3.53 | 2.73 | 0.00 | 1.53 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 22.60 | 9.14366 | 29.77 | 0.00 | 3.52 | 2.72 | 0.00 | 1.54 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 22.50 | 9.14366 | 29.77 | 0.00 | 3.51 | 2.72 | 0.00 | 1.54 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 22.40 | 9.14366 | 29.76 | 0.00 | 3.50 | 2.71 | 0.00 | 1.55 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.30 | 9.14366 | 29.75 | 0.00 | 3.49 | 2.71 | 0.00 | 1.55 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 22.20 | 9.14366 | 29.74 | 0.00 | 3.48 | 2.70 | 0.00 | 1.55 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 22.10 | 9.14366 | 29.74 | 0.00 | 3.47 | 2.70 | 0.00 | 1.56 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 22.00 | 9.14366 | 29.73 | 0.00 | 3.47 | 2.70 | 0.00 | 1.56 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 21.90 | 9.14366 | 29.72 | 0.00 | 3.46 | 2.69 | 0.00 | 1.57 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 21.80 | 9.14366 | 29.72 | 0.00 | 3.45 | 2.69 | 0.00 | 1.57 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 21.70 | 9.14366 | 29.71 | 0.00 | 3.44 | 2.68 | 0.00 | 1.57 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 21.60 | 9.14366 | 29.70 | 0.00 | 3.43 | 2.68 | 0.00 | 1.58 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 21.50 | 9.14366 | 29.69 | 0.00 | 3.42 | 2.67 | 0.00 | 1.58 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 21.40 | 9.14366 | 29.69 | 0.00 | 3.41 | 2.67 | 0.00 | 1.58 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 21.30 | 9.14366 | 29.68 | 0.00 | 3.40 | 2.66 | 0.00 | 1.59 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 21.20 | 9.14376 | 29.67 | 0.00 | 3.39 | 2.66 | 0.00 | 1.59 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 21.10 | 9.14376 | 29.67 | 0.00 | 3.39 | 2.66 | 0.00 | 1.60 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 21.00 | 9.14376 | 29.66 | 0.00 | 3.38 | 2.65 | 0.00 | 1.60 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 20.90 | 9.14376 | 29.65 | 0.00 | 3.37 | 2.65 | 0.00 | 1.60 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 20.80 | 9.14376 | 29.65 | 0.00 | 3.36 | 2.64 | 0.00 | 1.61 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 20.70 | 9.14376 | 29.64 | 0.00 | 3.35 | 2.64 | 0.00 | 1.61 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 20.60 | 9.14376 | 29.63 | 0.00 | 3.34 | 2.64 | 0.00 | 1.61 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 20.50 | 9.14376 | 29.62 | 0.00 | 3.34 | 2.63 | 0.00 | 1.62 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 20.40 | 9.14376 | 29.62 | 0.00 | 3.33 | 2.63 | 0.00 | 1.62 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 20.30 | 9.14376 | 29.61 | 0.00 | 3.32 | 2.62 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 20.20 | 9.14831 | 29.60 | 0.00 | 3.32 | 2.63 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 20.10 | 9.14831 | 29.60 | 0.00 | 3.31 | 2.62 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 20.00 | 9.14831 | 29.59 | 0.00 | 3.30 | 2.62 | 0.00 | 1.64 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 19.90 | 9.14831 | 29.58 | 0.00 | 3.29 | 2.61 | 0.00 | 1.64 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 19.80 | 9.14831 | 29.57 | 0.00 | 3.29 | 2.61 | 0.00 | 1.64 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 19.70 | 9.14831 | 29.57 | 0.00 | 3.28 | 2.61 | 0.00 | 1.65 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.60 | 9.14831 | 29.56 | 0.00 | 3.27 | 2.60 | 0.00 | 1.65 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.50 | 9.14831 | 29.55 | 0.00 | 3.26 | 2.60 | 0.00 | 1.65 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.40 | 9.14841 | 29.55 | 0.00 | 3.26 | 2.60 | 0.00 | 1.66 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.30 | 9.14841 | 29.54 | 0.00 | 3.25 | 2.59 | 0.00 | 1.66 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.20 | 9.14841 | 29.53 | 0.00 | 3.24 | 2.59 | 0.00 | 1.67 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.10 | 9.14841 | 29.53 | 0.00 | 3.24 | 2.58 | 0.00 | 1.67 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 19.00 | 10.50742 | 29.52 | 0.00 | 3.07 | 2.70 | 0.00 | 1.60 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.37 |
| 18.90 | 10.50742 | 29.51 | 0.00 | 3.07 | 2.70 | 0.00 | 1.60 | 0.08 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.37 |
| 18.80 | 10.50742 | 29.50 | 0.00 | 3.06 | 2.69 | 0.00 | 1.61 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.37 |
| 18.70 | 10.50742 | 29.50 | 0.00 | 3.06 | 2.69 | 0.00 | 1.61 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.60 | 10.50742 | 29.49 | 0.00 | 3.05 | 2.68 | 0.00 | 1.61 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.50 | 10.50742 | 29.48 | 0.00 | 3.05 | 2.68 | 0.00 | 1.62 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.40 | 10.50742 | 29.48 | 0.00 | 3.05 | 2.68 | 0.00 | 1.62 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.30 | 10.50742 | 29.47 | 0.00 | 3.04 | 2.67 | 0.00 | 1.62 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.20 | 10.50742 | 29.46 | 0.00 | 3.04 | 2.67 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.10 | 10.50742 | 29.46 | 0.00 | 3.03 | 2.67 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 18.00 | 10.50742 | 29.45 | 0.00 | 3.03 | 2.66 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 17.90 | 10.50742 | 29.44 | 0.00 | 3.02 | 2.66 | 0.00 | 1.63 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 17.80 | 10.50742 | 29.43 | 0.00 | 3.02 | 2.66 | 0.00 | 1.64 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.35 |
| 17.70 | 10.50742 | 29.43 | 0.00 | 3.02 | 2.65 | 0.00 | 1.64 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.35 |
| 17.60 | 10.50742 | 29.42 | 0.00 | 3.01 | 2.65 | 0.00 | 1.64 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.35 |
| 17.50 | 10.50742 | 29.41 | 0.00 | 3.01 | 2.65 | 0.00 | 1.65 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 17.40 | 10.50742 | 29.41 | 0.00 | 3.00 | 2.64 | 0.00 | 1.65 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.30 | 10.50742 | 29.40 | 0.00 | 3.00 | 2.64 | 0.00 | 1.65 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 17.20 | 10.50742 | 29.39 | 0.00 | 3.00 | 2.64 | 0.00 | 1.66 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 17.10 | 10.50742 | 29.38 | 0.00 | 2.99 | 2.63 | 0.00 | 1.66 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 17.00 | 10.50742 | 29.38 | 0.00 | 2.99 | 2.63 | 0.00 | 1.66 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 16.90 | 10.50742 | 29.37 | 0.00 | 2.99 | 2.63 | 0.00 | 1.67 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 16.80 | 10.50742 | 29.36 | 0.00 | 2.98 | 2.62 | 0.00 | 1.67 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.70 | 10.50742 | 29.36 | 0.00 | 2.98 | 2.62 | 0.00 | 1.67 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.60 | 10.50742 | 29.35 | 0.00 | 2.98 | 2.62 | 0.00 | 1.68 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.50 | 10.50746 | 29.34 | 0.00 | 2.97 | 2.61 | 0.00 | 1.68 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.40 | 10.50746 | 29.34 | 0.00 | 2.97 | 2.61 | 0.00 | 1.68 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.30 | 10.50746 | 29.33 | 0.00 | 2.97 | 2.61 | 0.00 | 1.69 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.20 | 10.50746 | 29.32 | 0.00 | 2.96 | 2.60 | 0.00 | 1.69 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.10 | 10.50746 | 29.31 | 0.00 | 2.96 | 2.60 | 0.00 | 1.69 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 16.00 | 10.50746 | 29.31 | 0.00 | 2.96 | 2.60 | 0.00 | 1.70 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 15.90 | 10.50746 | 29.30 | 0.00 | 2.95 | 2.59 | 0.00 | 1.70 | 0.09 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 15.80 | 11.34741 | 29.32 | 0.00 | 2.91 | 4.26 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 15.70 | 11.34741 | 29.33 | 0.00 | 2.89 | 4.23 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 15.60 | 11.34741 | 29.35 | 0.00 | 2.88 | 4.19 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 15.50 | 11.34741 | 29.36 | 0.00 | 2.86 | 4.16 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 15.40 | 11.34741 | 29.38 | 0.00 | 2.85 | 4.12 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 15.30 | 11.34741 | 29.40 | 0.00 | 2.83 | 4.09 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 15.20 | 11.34741 | 29.41 | 0.00 | 2.82 | 4.06 | 0.00 | 1.68 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 15.10 | 11.34741 | 29.43 | 0.00 | 2.81 | 4.03 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 15.00 | 11.34741 | 29.44 | 0.00 | 2.79 | 3.99 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 14.90 | 11.34741 | 29.46 | 0.00 | 2.78 | 3.96 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 14.80 | 11.34741 | 29.48 | 0.00 | 2.77 | 3.93 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 14.70 | 11.34741 | 29.49 | 0.00 | 2.76 | 3.90 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 14.60 | 11.34741 | 29.51 | 0.00 | 2.74 | 3.87 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 14.50 | 11.34741 | 29.52 | 0.00 | 2.73 | 3.84 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 14.40 | 11.34741 | 29.54 | 0.00 | 2.72 | 3.81 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 14.30 | 11.34741 | 29.56 | 0.00 | 2.71 | 3.78 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 14.20 | 11.34741 | 29.57 | 0.00 | 2.70 | 3.75 | 0.00 | 1.69 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 14.10 | 11.34741 | 29.59 | 0.00 | 2.69 | 3.72 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 14.00 | 11.34741 | 29.60 | 0.00 | 2.68 | 3.69 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 13.90 | 11.34741 | 29.62 | 0.00 | 2.67 | 3.66 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 13.80 | 11.34741 | 29.64 | 0.00 | 2.66 | 3.63 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 13.70 | 11.34741 | 29.65 | 0.00 | 2.65 | 3.60 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.60 | 11.34741 | 29.67 | 0.00 | 2.64 | 3.57 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.50 | 11.34741 | 29.68 | 0.00 | 2.63 | 3.54 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.40 | 11.34741 | 29.70 | 0.00 | 2.62 | 3.51 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.30 | 11.34741 | 29.72 | 0.00 | 2.61 | 3.48 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.20 | 11.34741 | 29.73 | 0.00 | 2.60 | 3.45 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.10 | 11.34741 | 29.75 | 0.00 | 2.59 | 3.43 | 0.00 | 1.70 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 13.00 | 11.34741 | 29.76 | 0.00 | 2.59 | 3.40 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 12.90 | 11.34741 | 29.78 | 0.00 | 2.58 | 3.37 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 12.80 | 11.34741 | 29.80 | 0.00 | 2.57 | 3.34 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 12.70 | 11.34741 | 29.81 | 0.00 | 2.56 | 3.32 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 12.60 | 11.34741 | 29.83 | 0.00 | 2.56 | 3.29 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 12.50 | 11.34741 | 29.84 | 0.00 | 2.55 | 3.26 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 12.40 | 11.34741 | 29.86 | 0.00 | 2.54 | 3.24 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.30 | 11.34741 | 29.88 | 0.00 | 2.54 | 3.21 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 12.20 | 11.34741 | 29.89 | 0.00 | 2.53 | 3.18 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 12.10 | 11.34741 | 29.91 | 0.00 | 2.53 | 3.16 | 0.00 | 1.71 | 0.10 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 12.00 | 11.34741 | 29.92 | 0.00 | 2.52 | 3.13 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 11.90 | 11.34741 | 29.94 | 0.00 | 2.51 | 3.11 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 11.80 | 11.34741 | 29.96 | 0.00 | 2.51 | 3.08 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 11.70 | 11.34741 | 29.97 | 0.00 | 2.50 | 3.06 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 11.60 | 11.34741 | 29.99 | 0.00 | 2.50 | 3.03 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 11.50 | 11.34741 | 30.00 | 0.00 | 2.49 | 3.01 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 11.40 | 11.34741 | 30.02 | 0.00 | 2.49 | 2.98 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 11.30 | 11.34741 | 30.04 | 0.00 | 2.49 | 2.96 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 11.20 | 11.34741 | 30.05 | 0.00 | 2.48 | 2.93 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 11.10 | 11.34741 | 30.07 | 0.00 | 2.48 | 2.91 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 11.00 | 11.34741 | 30.08 | 0.00 | 2.47 | 2.88 | 0.00 | 1.72 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 10.90 | 11.34741 | 30.10 | 0.00 | 2.47 | 2.86 | 0.00 | 1.73 | 0.11 | 0.00 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 10.80 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.48 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.70 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.47 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.60 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.45 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.50 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.44 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.40 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.43 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.30 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.42 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.20 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.41 | 0.00 | 1.58 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.10 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.39 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 10.00 | 18.22570 | 30.10 | 0.00 | 2.86 | 3.38 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.90 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.37 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.80 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.36 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.70 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.35 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.60 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.33 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.50 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.32 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.40 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.31 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.30 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.30 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.20 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.29 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.10 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.28 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 9.00 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.27 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.90 | 18.22570 | 30.10 | 0.00 | 2.87 | 3.25 | 0.00 | 1.59 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.80 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.24 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.70 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.23 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.60 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.22 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.50 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.21 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.40 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.20 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.30 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.19 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.20 | 18.22570 | 30.10 | 0.00 | 2.88 | 3.17 | 0.00 | 1.60 | 0.09 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.10 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.16 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 8.00 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.15 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.90 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.14 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.80 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.13 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.70 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.12 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.60 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.11 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.50 | 18.22570 | 30.10 | 0.00 | 2.89 | 3.10 | 0.00 | 1.60 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.40 | 18.22570 | 30.10 | 0.00 | 2.90 | 3.09 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.30 | 18.22570 | 30.10 | 0.00 | 2.90 | 3.07 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.20 | 18.22570 | 30.10 | 0.00 | 2.90 | 3.06 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.10 | 18.22570 | 30.10 | 0.00 | 2.90 | 3.05 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 7.00 | 18.22570 | 30.10 | 0.00 | 2.90 | 3.04 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.90 | 18.22570 | 30.10 | 0.00 | 2.90 | 3.03 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.80 | 18.22570 | 30.10 | 0.00 | 2.91 | 3.02 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.70 | 18.22570 | 30.10 | 0.00 | 2.91 | 3.01 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.60 | 18.22570 | 30.10 | 0.00 | 2.91 | 3.00 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.50 | 18.22570 | 30.10 | 0.00 | 2.91 | 2.99 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.40 | 18.22570 | 30.10 | 0.00 | 2.91 | 2.98 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.30 | 18.22570 | 30.10 | 0.00 | 2.92 | 2.97 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.20 | 18.22570 | 30.10 | 0.00 | 2.92 | 2.96 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.10 | 18.22570 | 30.10 | 0.00 | 2.92 | 2.95 | 0.00 | 1.61 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 6.00 | 18.22570 | 30.10 | 0.00 | 2.92 | 2.94 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.90 | 18.22570 | 30.10 | 0.00 | 2.92 | 2.93 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.80 | 18.22570 | 30.10 | 0.00 | 2.93 | 2.92 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.70 | 18.22570 | 30.10 | 0.00 | 2.93 | 2.91 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.60 | 18.22570 | 30.10 | 0.00 | 2.93 | 2.90 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.50 | 18.22570 | 30.10 | 0.00 | 2.93 | 2.89 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.40 | 18.22570 | 30.10 | 0.00 | 2.93 | 2.88 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.30 | 18.22570 | 30.10 | 0.00 | 2.94 | 2.87 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.20 | 18.22570 | 30.10 | 0.00 | 2.94 | 2.86 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.10 | 18.22570 | 30.10 | 0.00 | 2.94 | 2.85 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 5.00 | 18.22570 | 30.10 | 0.00 | 2.94 | 2.84 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.90 | 18.22570 | 30.10 | 0.00 | 2.94 | 2.83 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.80 | 18.22570 | 30.10 | 0.00 | 2.95 | 2.82 | 0.00 | 1.62 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.70 | 18.22570 | 30.10 | 0.00 | 2.95 | 2.81 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.60 | 18.22570 | 30.10 | 0.00 | 2.95 | 2.80 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.50 | 18.22570 | 30.10 | 0.00 | 2.95 | 2.79 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.40 | 18.22570 | 30.10 | 0.00 | 2.96 | 2.78 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.30 | 18.22570 | 30.10 | 0.00 | 2.96 | 2.77 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.20 | 18.22570 | 30.10 | 0.00 | 2.96 | 2.76 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.10 | 18.22570 | 30.10 | 0.00 | 2.96 | 2.75 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 4.00 | 18.22570 | 30.10 | 0.00 | 2.97 | 2.74 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.90 | 18.22570 | 30.10 | 0.00 | 2.97 | 2.73 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.80 | 18.22570 | 30.10 | 0.00 | 2.97 | 2.72 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.70 | 18.22570 | 30.10 | 0.00 | 2.97 | 2.71 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.60 | 18.22570 | 30.10 | 0.00 | 2.98 | 2.70 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.50 | 18.22570 | 30.10 | 0.00 | 2.98 | 2.69 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.40 | 18.22570 | 30.10 | 0.00 | 2.98 | 2.68 | 0.00 | 1.63 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.30 | 18.22570 | 30.10 | 0.00 | 2.98 | 2.67 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.20 | 18.22570 | 30.10 | 0.00 | 2.99 | 2.66 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.10 | 18.22570 | 30.10 | 0.00 | 2.99 | 2.65 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 3.00 | 18.22570 | 30.10 | 0.00 | 2.99 | 2.64 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.90 | 18.22570 | 30.10 | 0.00 | 2.99 | 2.63 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.80 | 18.22570 | 30.10 | 0.00 | 3.00 | 2.62 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.70 | 18.22570 | 30.10 | 0.00 | 3.00 | 2.61 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.60 | 18.22570 | 30.10 | 0.00 | 3.00 | 2.61 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.50 | 18.22570 | 30.10 | 0.00 | 3.01 | 2.60 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.40 | 18.22570 | 30.10 | 0.00 | 3.01 | 2.59 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.30 | 18.22570 | 30.10 | 0.00 | 3.01 | 2.58 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.20 | 18.22570 | 30.10 | 0.00 | 3.01 | 2.57 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.10 | 18.22570 | 30.10 | 0.00 | 3.02 | 2.56 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 2.00 | 18.22570 | 30.10 | 0.00 | 3.02 | 2.55 | 0.00 | 1.64 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.90 | 18.22570 | 30.10 | 0.00 | 3.02 | 2.54 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.80 | 18.22570 | 30.10 | 0.00 | 3.03 | 2.53 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.70 | 18.22570 | 30.10 | 0.00 | 3.03 | 2.52 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.60 | 18.22570 | 30.10 | 0.00 | 3.03 | 2.51 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.50 | 18.22570 | 30.10 | 0.00 | 3.03 | 2.51 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.40 | 18.22570 | 30.10 | 0.00 | 3.04 | 2.50 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.30 | 18.22570 | 30.10 | 0.00 | 3.04 | 2.49 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1.20 | 18.22570 | 30.10 | 0.00 | 3.04 | 2.48 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1.10 | 18.22570 | 30.10 | 0.00 | 3.05 | 2.47 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1.00 | 18.22570 | 30.10 | 0.00 | 3.05 | 2.46 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.90 | 18.22570 | 30.10 | 0.00 | 3.05 | 2.45 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.80 | 18.22570 | 30.10 | 0.00 | 3.06 | 2.44 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.70 | 18.22570 | 30.10 | 0.00 | 3.06 | 2.44 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.60 | 18.22570 | 30.10 | 0.00 | 3.06 | 2.43 | 0.00 | 1.65 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.50 | 18.22570 | 30.10 | 0.00 | 3.07 | 2.42 | 0.00 | 1.66 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.40 | 18.22570 | 30.10 | 0.00 | 3.07 | 2.41 | 0.00 | 1.66 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.30 | 18.22570 | 30.10 | 0.00 | 3.07 | 2.40 | 0.00 | 1.66 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.20 | 18.22570 | 30.10 | 0.00 | 3.07 | 2.39 | 0.00 | 1.66 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.10 | 18.22570 | 30.10 | 0.00 | 3.08 | 2.39 | 0.00 | 1.66 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 0.00 | 18.22570 | 30.10 | 0.00 | 3.08 | 2.38 | 0.00 | 1.66 | 0.10 | 0.00 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |

CONDENSED CAPSULE SUMMARY FOR Bayou Poydras #1

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 | CHLA | RATE | DECA | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 0.06597 | 27.00 | 0.00 | 0.30 | 30.67 | 0.00 | 1.54 | 0.20 | 0.00 | | | | | |
| 10.20 | 0.06597 | 27.00 | 0.00 | 1.11 | 30.62 | 0.00 | 1.54 | 0.20 | 0.00 | 6.40 | 0.08 | 0.00 | 0.00 | 0.00 | 0.03 | 0.86 |
| 10.10 | 0.06597 | 27.00 | 0.00 | 1.77 | 30.54 | 0.00 | 1.54 | 0.20 | 0.00 | 6.40 | 0.12 | 0.00 | 0.00 | 0.00 | 0.15 | 1.37 |
| 10.00 | 0.06597 | 27.00 | 0.00 | 2.33 | 30.45 | 0.00 | 1.54 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.25 | 1.55 |
| 9.90 | 0.06597 | 27.00 | 0.00 | 2.82 | 30.37 | 0.00 | 1.54 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 1.55 |
| 9.80 | 0.06597 | 27.00 | 0.00 | 3.25 | 30.28 | 0.00 | 1.54 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 1.55 |
| 9.70 | 0.06597 | 27.00 | 0.00 | 3.64 | 30.19 | 0.00 | 1.54 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 1.55 |
| 9.60 | 0.06597 | 27.00 | 0.00 | 3.97 | 30.10 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 1.55 |
| 9.50 | 0.06597 | 27.00 | 0.00 | 4.27 | 30.02 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.31 | 1.55 |
| 9.40 | 0.06597 | 27.00 | 0.00 | 4.53 | 29.93 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.31 | 1.55 |
| 9.30 | 0.06597 | 27.00 | 0.00 | 4.76 | 29.84 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.31 | 1.55 |
| 9.20 | 0.06597 | 27.00 | 0.00 | 4.97 | 29.76 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 9.10 | 0.06597 | 27.00 | 0.00 | 5.15 | 29.67 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 9.00 | 0.06597 | 27.00 | 0.00 | 5.31 | 29.58 | 0.00 | 1.53 | 0.20 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 8.90 | 0.06597 | 27.00 | 0.00 | 5.45 | 29.50 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 8.80 | 0.06597 | 27.00 | 0.00 | 5.57 | 29.41 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.70 | 0.06597 | 27.00 | 0.00 | 5.68 | 29.33 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.60 | 0.06597 | 27.00 | 0.00 | 5.77 | 29.24 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.50 | 0.06597 | 27.00 | 0.00 | 5.86 | 29.16 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.40 | 0.06597 | 27.00 | 0.00 | 5.93 | 29.08 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.30 | 0.06597 | 27.00 | 0.00 | 6.00 | 28.99 | 0.00 | 1.53 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.20 | 0.06597 | 27.00 | 0.00 | 6.06 | 28.91 | 0.00 | 1.52 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.10 | 0.06597 | 27.00 | 0.00 | 6.11 | 28.82 | 0.00 | 1.52 | 0.19 | 0.00 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 8.00 | 0.06610 | 27.00 | 0.00 | 6.16 | 28.77 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.90 | 0.06610 | 27.00 | 0.00 | 6.20 | 28.69 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.80 | 0.06610 | 27.00 | 0.00 | 6.23 | 28.61 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.70 | 0.06613 | 27.00 | 0.00 | 6.27 | 28.53 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.60 | 0.06613 | 27.00 | 0.00 | 6.29 | 28.45 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.50 | 0.06613 | 27.00 | 0.00 | 6.32 | 28.37 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.40 | 0.06613 | 27.00 | 0.00 | 6.34 | 28.29 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.30 | 0.06613 | 27.00 | 0.00 | 6.36 | 28.20 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 7.20 | 0.06613 | 27.00 | 0.00 | 6.38 | 28.12 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 7.10 | 0.06613 | 27.00 | 0.00 | 6.40 | 28.04 | 0.00 | 1.52 | 0.19 | 0.00 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 7.00 | 0.06641 | 27.00 | 0.00 | 6.41 | 27.97 | 0.00 | 1.52 | 0.19 | 0.00 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.90 | 0.06641 | 27.00 | 0.00 | 6.42 | 27.89 | 0.00 | 1.51 | 0.19 | 0.00 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.80 | 0.06641 | 27.00 | 0.00 | 6.43 | 27.81 | 0.00 | 1.51 | 0.19 | 0.00 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.70 | 0.06641 | 27.00 | 0.00 | 6.44 | 27.73 | 0.00 | 1.51 | 0.19 | 0.00 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.60 | 0.06641 | 27.00 | 0.00 | 6.45 | 27.65 | 0.00 | 1.51 | 0.19 | 0.00 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.50 | 0.06641 | 27.00 | 0.00 | 6.46 | 27.57 | 0.00 | 1.51 | 0.19 | 0.00 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.40 | 0.06648 | 27.00 | 0.00 | 6.47 | 27.51 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.30 | 0.06648 | 27.00 | 0.00 | 6.48 | 27.43 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.20 | 0.06648 | 27.00 | 0.00 | 6.48 | 27.35 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.10 | 0.06648 | 27.00 | 0.00 | 6.49 | 27.27 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 6.00 | 0.06648 | 27.00 | 0.00 | 6.50 | 27.19 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.90 | 0.06648 | 27.00 | 0.00 | 6.50 | 27.12 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.80 | 0.06648 | 27.00 | 0.00 | 6.51 | 27.04 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.70 | 0.06648 | 27.00 | 0.00 | 6.51 | 26.96 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.60 | 0.06648 | 27.00 | 0.00 | 6.52 | 26.88 | 0.00 | 1.51 | 0.19 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.50 | 0.06648 | 27.00 | 0.00 | 6.52 | 26.81 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.40 | 0.06648 | 27.00 | 0.00 | 6.52 | 26.73 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.30 | 0.06648 | 27.00 | 0.00 | 6.53 | 26.65 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.20 | 0.06648 | 27.00 | 0.00 | 6.53 | 26.58 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.10 | 0.06648 | 27.00 | 0.00 | 6.53 | 26.50 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 5.00 | 0.06648 | 27.00 | 0.00 | 6.54 | 26.42 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 4.90 | 0.06648 | 27.00 | 0.00 | 6.54 | 26.35 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 4.80 | 0.06648 | 27.00 | 0.00 | 6.54 | 26.27 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 4.70 | 0.06648 | 27.00 | 0.00 | 6.54 | 26.20 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 4.60 | 0.06648 | 27.00 | 0.00 | 6.55 | 26.12 | 0.00 | 1.50 | 0.18 | 0.00 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 4.50 | 0.07058 | 27.04 | 0.00 | 6.10 | 26.52 | 0.00 | 1.57 | 0.17 | 0.00 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.40 |
| 4.40 | 0.07469 | 27.09 | 0.00 | 5.74 | 26.88 | 0.00 | 1.64 | 0.16 | 0.00 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.40 |
| 4.30 | 0.07879 | 27.13 | 0.00 | 5.44 | 27.19 | 0.00 | 1.69 | 0.15 | 0.00 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.41 |
| 4.20 | 0.08465 | 27.17 | 0.00 | 5.18 | 27.52 | 0.00 | 1.74 | 0.17 | 0.00 | 1.34 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.41 |
| 4.10 | 0.08928 | 27.22 | 0.00 | 4.97 | 27.78 | 0.00 | 1.79 | 0.17 | 0.00 | 1.34 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.42 |
| 4.00 | 0.09339 | 27.26 | 0.00 | 4.79 | 28.00 | 0.00 | 1.83 | 0.16 | 0.00 | 1.35 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.42 |
| 3.90 | 0.09749 | 27.30 | 0.00 | 4.65 | 28.19 | 0.00 | 1.87 | 0.15 | 0.00 | 1.38 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 |
| 3.80 | 0.10159 | 27.35 | 0.00 | 4.52 | 28.37 | 0.00 | 1.90 | 0.15 | 0.00 | 1.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 |
| 3.70 | 0.10570 | 27.39 | 0.00 | 4.42 | 28.53 | 0.00 | 1.93 | 0.14 | 0.00 | 1.44 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 |
| 3.60 | 0.10980 | 27.43 | 0.00 | 4.34 | 28.68 | 0.00 | 1.96 | 0.14 | 0.00 | 1.47 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.44 |
| 3.50 | 0.11391 | 27.48 | 0.00 | 4.27 | 28.82 | 0.00 | 1.99 | 0.13 | 0.00 | 1.50 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.44 |
| 3.40 | 0.11801 | 27.52 | 0.00 | 4.21 | 28.95 | 0.00 | 2.02 | 0.13 | 0.00 | 1.53 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.45 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.30 | 0.12212 | 27.57 | 0.00 | 4.16 | 29.07 | 0.00 | 2.04 | 0.12 | 0.00 | 1.56 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.45 |
| 3.20 | 0.12622 | 27.61 | 0.00 | 4.12 | 29.17 | 0.00 | 2.06 | 0.12 | 0.00 | 1.58 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.45 |
| 3.10 | 0.13033 | 27.65 | 0.00 | 4.09 | 29.27 | 0.00 | 2.09 | 0.12 | 0.00 | 1.61 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.46 |
| 3.00 | 0.13443 | 27.70 | 0.00 | 4.06 | 29.37 | 0.00 | 2.11 | 0.11 | 0.00 | 1.64 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.46 |
| 2.90 | 0.13853 | 27.74 | 0.00 | 4.04 | 29.46 | 0.00 | 2.12 | 0.11 | 0.00 | 1.66 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.47 |
| 2.80 | 0.14264 | 27.78 | 0.00 | 4.03 | 29.54 | 0.00 | 2.14 | 0.11 | 0.00 | 1.69 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.47 |
| 2.70 | 0.14674 | 27.83 | 0.00 | 4.02 | 29.61 | 0.00 | 2.16 | 0.11 | 0.00 | 1.71 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.47 |
| 2.60 | 0.15085 | 27.87 | 0.00 | 4.01 | 29.68 | 0.00 | 2.17 | 0.10 | 0.00 | 1.74 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.48 |
| 2.50 | 0.15495 | 27.91 | 0.00 | 4.00 | 29.75 | 0.00 | 2.19 | 0.10 | 0.00 | 1.76 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.48 |
| 2.40 | 0.15906 | 27.96 | 0.00 | 4.00 | 29.81 | 0.00 | 2.20 | 0.10 | 0.00 | 1.79 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.49 |
| 2.30 | 0.16316 | 28.00 | 0.00 | 4.00 | 29.87 | 0.00 | 2.22 | 0.10 | 0.00 | 1.81 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.49 |
| 2.20 | 0.16726 | 28.04 | 0.00 | 4.00 | 29.93 | 0.00 | 2.23 | 0.10 | 0.00 | 1.84 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.49 |
| 2.10 | 0.17137 | 28.09 | 0.00 | 4.01 | 29.98 | 0.00 | 2.24 | 0.09 | 0.00 | 1.86 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.50 |
| 2.00 | 0.17547 | 28.13 | 0.00 | 4.01 | 30.03 | 0.00 | 2.25 | 0.09 | 0.00 | 1.88 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.50 |
| 1.90 | 0.17958 | 28.17 | 0.00 | 4.02 | 30.08 | 0.00 | 2.26 | 0.09 | 0.00 | 1.91 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.51 |
| 1.80 | 0.18368 | 28.22 | 0.00 | 4.02 | 30.12 | 0.00 | 2.27 | 0.09 | 0.00 | 1.93 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.51 |
| 1.70 | 0.18779 | 28.26 | 0.00 | 4.03 | 30.16 | 0.00 | 2.28 | 0.09 | 0.00 | 1.95 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.51 |
| 1.60 | 0.19189 | 28.30 | 0.00 | 4.04 | 30.20 | 0.00 | 2.29 | 0.09 | 0.00 | 1.98 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.52 |
| 1.50 | 0.19599 | 28.35 | 0.00 | 4.05 | 30.24 | 0.00 | 2.30 | 0.09 | 0.00 | 2.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.52 |
| 1.40 | 0.20010 | 28.39 | 0.00 | 4.06 | 30.28 | 0.00 | 2.31 | 0.09 | 0.00 | 2.02 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.53 |
| 1.30 | 0.20420 | 28.43 | 0.00 | 4.07 | 30.31 | 0.00 | 2.32 | 0.08 | 0.00 | 2.04 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.53 |
| 1.20 | 0.20831 | 28.48 | 0.00 | 4.08 | 30.34 | 0.00 | 2.33 | 0.08 | 0.00 | 2.06 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.54 |
| 1.10 | 0.21241 | 28.52 | 0.00 | 4.09 | 30.37 | 0.00 | 2.33 | 0.08 | 0.00 | 2.09 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.54 |
| 1.00 | 0.21652 | 28.57 | 0.00 | 4.10 | 30.40 | 0.00 | 2.34 | 0.08 | 0.00 | 2.11 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.54 |
| 0.90 | 0.22062 | 28.61 | 0.00 | 4.11 | 30.43 | 0.00 | 2.35 | 0.08 | 0.00 | 2.13 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.55 |
| 0.80 | 0.22473 | 28.65 | 0.00 | 4.12 | 30.45 | 0.00 | 2.36 | 0.08 | 0.00 | 2.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.55 |
| 0.70 | 0.22883 | 28.70 | 0.00 | 4.14 | 30.48 | 0.00 | 2.36 | 0.08 | 0.00 | 2.17 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.56 |
| 0.60 | 0.23293 | 28.74 | 0.00 | 4.15 | 30.50 | 0.00 | 2.37 | 0.08 | 0.00 | 2.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.56 |
| 0.50 | 0.23704 | 28.78 | 0.00 | 4.16 | 30.53 | 0.00 | 2.37 | 0.08 | 0.00 | 2.21 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.56 |
| 0.40 | 0.24114 | 28.83 | 0.00 | 4.17 | 30.55 | 0.00 | 2.38 | 0.08 | 0.00 | 2.23 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.57 |
| 0.30 | 0.24525 | 28.87 | 0.00 | 4.18 | 30.57 | 0.00 | 2.39 | 0.08 | 0.00 | 2.26 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.57 |
| 0.20 | 0.24935 | 28.91 | 0.00 | 4.19 | 30.59 | 0.00 | 2.39 | 0.08 | 0.00 | 2.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.36 | 1.58 |
| 0.10 | 0.25346 | 28.96 | 0.00 | 4.20 | 30.61 | 0.00 | 2.40 | 0.08 | 0.00 | 2.30 | 0.15 | 0.00 | 0.00 | 0.00 | 0.36 | 1.58 |
| 0.00 | 0.25756 | 29.00 | 0.00 | 4.21 | 30.63 | 0.00 | 2.40 | 0.07 | 0.00 | 2.32 | 0.15 | 0.00 | 0.00 | 0.00 | 0.36 | 1.59 |

CONDENSED CAPSULE SUMMARY FOR Chamberlin Canal #1

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | REAER | BOD1 | BOD1 | BOD2 | BOD2 | NH3 | | | |
| DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORGN | NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 0.00050 | 26.30 | 0.00 | 2.10 | 9.28 | 0.00 | 1.18 | 0.10 | 0.00 | | | | | | | |
| 7.40 | 0.00055 | 26.38 | 0.00 | 4.65 | 9.86 | 0.00 | 1.28 | 0.09 | 0.00 | 7.90 | 0.17 | 0.00 | 0.00 | 0.00 | 0.30 | 1.94 |
| 7.30 | 0.00059 | 26.46 | 0.00 | 5.16 | 10.32 | 0.00 | 1.36 | 0.08 | 0.00 | 7.91 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 1.95 |
| 7.20 | 0.00064 | 26.55 | 0.00 | 5.25 | 10.68 | 0.00 | 1.42 | 0.07 | 0.00 | 7.94 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 1.96 |
| 7.10 | 0.00068 | 26.63 | 0.00 | 5.32 | 10.98 | 0.00 | 1.48 | 0.06 | 0.00 | 8.23 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 1.97 |
| 7.00 | 0.00073 | 26.71 | 0.00 | 5.38 | 11.23 | 0.00 | 1.54 | 0.06 | 0.00 | 8.51 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.98 |
| 6.90 | 0.00077 | 26.79 | 0.00 | 5.44 | 11.43 | 0.00 | 1.58 | 0.06 | 0.00 | 8.79 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.99 |
| 6.80 | 0.00082 | 26.87 | 0.00 | 5.49 | 11.60 | 0.00 | 1.62 | 0.05 | 0.00 | 9.05 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 2.00 |
| 6.70 | 0.00086 | 26.95 | 0.00 | 5.53 | 11.74 | 0.00 | 1.66 | 0.05 | 0.00 | 9.32 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.01 |
| 6.60 | 0.00091 | 27.04 | 0.00 | 5.57 | 11.86 | 0.00 | 1.69 | 0.05 | 0.00 | 9.57 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.02 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.50 | 0.00095 | 27.12 | 0.00 | 5.61 | 11.96 | 0.00 | 1.72 | 0.05 | 0.00 | 9.82 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.04 |
| 6.40 | 0.00100 | 27.20 | 0.00 | 5.64 | 12.05 | 0.00 | 1.74 | 0.05 | 0.00 | 10.07 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.05 |
| 6.30 | 0.00105 | 27.28 | 0.00 | 5.67 | 12.13 | 0.00 | 1.77 | 0.05 | 0.00 | 10.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.06 |
| 6.20 | 0.00109 | 27.36 | 0.00 | 5.70 | 12.19 | 0.00 | 1.79 | 0.05 | 0.00 | 10.55 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.07 |
| 6.10 | 0.00114 | 27.45 | 0.00 | 5.72 | 12.25 | 0.00 | 1.81 | 0.04 | 0.00 | 10.78 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.08 |
| 6.00 | 0.00118 | 27.53 | 0.00 | 5.74 | 12.29 | 0.00 | 1.83 | 0.04 | 0.00 | 11.01 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.09 |
| 5.90 | 0.00123 | 27.61 | 0.00 | 5.77 | 12.34 | 0.00 | 1.85 | 0.04 | 0.00 | 11.24 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 2.10 |
| 5.80 | 0.00127 | 27.69 | 0.00 | 5.78 | 12.37 | 0.00 | 1.86 | 0.04 | 0.00 | 11.46 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 2.11 |
| 5.70 | 0.00132 | 27.77 | 0.00 | 5.79 | 12.40 | 0.00 | 1.88 | 0.04 | 0.00 | 11.57 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 2.12 |
| 5.60 | 0.00136 | 27.85 | 0.00 | 5.78 | 12.43 | 0.00 | 1.89 | 0.04 | 0.00 | 11.59 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 2.13 |
| 5.50 | 0.00141 | 27.94 | 0.00 | 5.76 | 12.45 | 0.00 | 1.90 | 0.04 | 0.00 | 11.60 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.14 |
| 5.40 | 0.00145 | 28.02 | 0.00 | 5.74 | 12.47 | 0.00 | 1.92 | 0.04 | 0.00 | 11.62 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.15 |
| 5.30 | 0.00150 | 28.10 | 0.00 | 5.73 | 12.49 | 0.00 | 1.93 | 0.04 | 0.00 | 11.64 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.17 |
| 5.20 | 0.00155 | 28.18 | 0.00 | 5.71 | 12.50 | 0.00 | 1.94 | 0.04 | 0.00 | 11.65 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.18 |
| 5.10 | 0.00159 | 28.26 | 0.00 | 5.69 | 12.51 | 0.00 | 1.95 | 0.04 | 0.00 | 11.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.19 |
| 5.00 | 0.00164 | 28.35 | 0.00 | 5.67 | 12.52 | 0.00 | 1.96 | 0.04 | 0.00 | 11.69 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.20 |
| 4.90 | 0.00168 | 28.43 | 0.00 | 5.65 | 12.53 | 0.00 | 1.96 | 0.04 | 0.00 | 11.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.21 |
| 4.80 | 0.00173 | 28.51 | 0.00 | 5.63 | 12.53 | 0.00 | 1.97 | 0.04 | 0.00 | 11.72 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.22 |
| 4.70 | 0.00177 | 28.59 | 0.00 | 5.62 | 12.54 | 0.00 | 1.98 | 0.04 | 0.00 | 11.74 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.23 |
| 4.60 | 0.00182 | 28.67 | 0.00 | 5.60 | 12.54 | 0.00 | 1.99 | 0.04 | 0.00 | 11.75 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.24 |
| 4.50 | 0.00186 | 28.75 | 0.00 | 5.58 | 12.54 | 0.00 | 2.00 | 0.04 | 0.00 | 11.77 | 0.19 | 0.00 | 0.00 | 0.00 | 0.38 | 2.26 |
| 4.40 | 0.00191 | 28.84 | 0.00 | 5.56 | 12.54 | 0.00 | 2.00 | 0.04 | 0.00 | 11.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.27 |
| 4.30 | 0.00195 | 28.92 | 0.00 | 5.54 | 12.54 | 0.00 | 2.01 | 0.04 | 0.00 | 11.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.28 |
| 4.20 | 0.00200 | 29.00 | 0.00 | 5.53 | 12.54 | 0.00 | 2.01 | 0.04 | 0.00 | 11.82 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.29 |
| 4.10 | 0.00427 | 29.05 | 0.00 | 4.12 | 20.07 | 0.00 | 2.01 | 0.68 | 1.57 | 2.76 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.30 |
| 4.00 | 0.00439 | 29.11 | 0.00 | 3.70 | 18.74 | 0.00 | 2.01 | 0.59 | 3.14 | 2.76 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.31 |
| 3.90 | 0.00451 | 29.16 | 0.00 | 3.58 | 17.57 | 0.00 | 2.01 | 0.52 | 4.71 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.32 |
| 3.80 | 0.00463 | 29.22 | 0.00 | 3.60 | 16.53 | 0.00 | 2.01 | 0.45 | 6.29 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.32 |
| 3.70 | 0.00475 | 29.27 | 0.00 | 3.67 | 15.60 | 0.00 | 2.01 | 0.40 | 7.86 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.33 |
| 3.60 | 0.00486 | 29.33 | 0.00 | 3.76 | 14.78 | 0.00 | 2.01 | 0.35 | 9.43 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.34 |
| 3.50 | 0.00498 | 29.38 | 0.00 | 3.85 | 14.05 | 0.00 | 2.01 | 0.31 | 11.00 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.35 |
| 3.40 | 0.00510 | 29.44 | 0.00 | 3.94 | 13.39 | 0.00 | 2.01 | 0.28 | 12.57 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.36 |
| 3.30 | 0.00522 | 29.49 | 0.00 | 4.03 | 12.80 | 0.00 | 2.02 | 0.25 | 14.14 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.36 |
| 3.20 | 0.00534 | 29.55 | 0.00 | 4.11 | 12.27 | 0.00 | 2.02 | 0.23 | 15.71 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.37 |
| 3.10 | 0.00546 | 29.60 | 0.00 | 4.18 | 11.79 | 0.00 | 2.02 | 0.20 | 17.29 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.38 |
| 3.00 | 0.00558 | 29.66 | 0.00 | 4.26 | 11.35 | 0.00 | 2.02 | 0.19 | 18.86 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.39 |
| 2.90 | 0.00570 | 29.71 | 0.00 | 4.32 | 10.96 | 0.00 | 2.02 | 0.17 | 20.43 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.40 |
| 2.80 | 0.00582 | 29.77 | 0.00 | 4.39 | 10.60 | 0.00 | 2.02 | 0.16 | 22.00 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 2.40 |
| 2.70 | 0.00594 | 29.82 | 0.00 | 4.45 | 10.28 | 0.00 | 2.02 | 0.14 | 23.57 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 2.41 |
| 2.60 | 0.00605 | 29.88 | 0.00 | 4.51 | 9.98 | 0.00 | 2.02 | 0.13 | 25.14 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 2.42 |
| 2.50 | 0.00617 | 29.93 | 0.00 | 4.56 | 9.71 | 0.00 | 2.02 | 0.12 | 26.71 | 2.80 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.43 |
| 2.40 | 0.00629 | 29.99 | 0.00 | 4.62 | 9.46 | 0.00 | 2.02 | 0.12 | 28.29 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.44 |
| 2.30 | 0.00641 | 30.04 | 0.00 | 4.67 | 9.24 | 0.00 | 2.02 | 0.11 | 29.86 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.45 |
| 2.20 | 0.00653 | 30.10 | 0.00 | 4.72 | 9.03 | 0.00 | 2.02 | 0.10 | 31.43 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.45 |
| 2.10 | 0.00665 | 30.15 | 0.00 | 4.76 | 8.84 | 0.00 | 2.02 | 0.10 | 33.00 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.46 |
| 2.00 | 0.00677 | 30.20 | 0.00 | 4.81 | 8.66 | 0.00 | 2.02 | 0.09 | 34.57 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.47 |
| 1.90 | 0.00689 | 30.26 | 0.00 | 4.85 | 8.49 | 0.00 | 2.02 | 0.09 | 36.14 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 1.80 | 0.00701 | 30.31 | 0.00 | 4.90 | 8.34 | 0.00 | 2.02 | 0.08 | 37.71 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 1.70 | 0.00713 | 30.37 | 0.00 | 4.94 | 8.20 | 0.00 | 2.02 | 0.08 | 39.29 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 1.60 | 0.00725 | 30.42 | 0.00 | 4.98 | 8.07 | 0.00 | 2.02 | 0.08 | 40.86 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.51 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.50 | 0.00736 | 30.48 | 0.00 | 5.02 | 7.95 | 0.00 | 2.02 | 0.07 | 42.43 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.51 |
| 1.40 | 0.00748 | 30.53 | 0.00 | 5.06 | 7.84 | 0.00 | 2.02 | 0.07 | 44.00 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 1.30 | 0.00760 | 30.59 | 0.00 | 5.10 | 7.74 | 0.00 | 2.02 | 0.07 | 45.57 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 2.53 |
| 1.20 | 0.00772 | 30.64 | 0.00 | 5.14 | 7.64 | 0.00 | 2.02 | 0.07 | 47.14 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 2.54 |
| 1.10 | 0.00784 | 30.70 | 0.00 | 5.18 | 7.55 | 0.00 | 2.02 | 0.07 | 48.71 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 2.55 |
| 1.00 | 0.00796 | 30.75 | 0.00 | 5.22 | 7.46 | 0.00 | 2.02 | 0.06 | 50.29 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.56 |
| 0.90 | 0.00808 | 30.81 | 0.00 | 5.26 | 7.38 | 0.00 | 2.02 | 0.06 | 51.86 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.57 |
| 0.80 | 0.00820 | 30.86 | 0.00 | 5.29 | 7.31 | 0.00 | 2.02 | 0.06 | 53.43 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.58 |
| 0.70 | 0.00832 | 30.92 | 0.00 | 5.33 | 7.23 | 0.00 | 2.02 | 0.06 | 55.00 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.59 |
| 0.60 | 0.00844 | 30.97 | 0.00 | 5.37 | 7.17 | 0.00 | 2.02 | 0.06 | 56.57 | 2.85 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.59 |
| 0.50 | 0.00855 | 31.03 | 0.00 | 5.41 | 7.10 | 0.00 | 2.02 | 0.06 | 58.14 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.60 |
| 0.40 | 0.00867 | 31.08 | 0.00 | 5.44 | 7.05 | 0.00 | 2.02 | 0.06 | 59.71 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.61 |
| 0.30 | 0.00879 | 31.14 | 0.00 | 5.48 | 6.99 | 0.00 | 2.02 | 0.06 | 61.29 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.62 |
| 0.20 | 0.00891 | 31.19 | 0.00 | 5.51 | 6.94 | 0.00 | 2.02 | 0.06 | 62.86 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.63 |
| 0.10 | 0.00903 | 31.25 | 0.00 | 5.55 | 6.89 | 0.00 | 2.02 | 0.05 | 64.43 | 2.87 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.64 |
| 0.00 | 0.00915 | 31.30 | 0.00 | 5.59 | 6.84 | 0.00 | 2.02 | 0.05 | 66.00 | 2.87 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.65 |

CONDENSED CAPSULE SUMMARY FOR Intracoastal Waterwa

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 NH3 | CHLA | RATE | DECA | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 7.53000 | 29.80 | 0.00 | 7.40 | 2.20 | 0.00 | 1.10 | 0.03 | 0.00 | | | | | |
| 13.30 | 7.53000 | 29.80 | 0.00 | 7.37 | 2.19 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 13.20 | 7.53000 | 29.81 | 0.00 | 7.35 | 2.19 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 13.10 | 7.53000 | 29.81 | 0.00 | 7.32 | 2.18 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 13.00 | 7.53000 | 29.82 | 0.00 | 7.30 | 2.18 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.90 | 7.53000 | 29.82 | 0.00 | 7.27 | 2.17 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.80 | 7.53000 | 29.83 | 0.00 | 7.25 | 2.17 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.70 | 7.53000 | 29.83 | 0.00 | 7.22 | 2.16 | 0.00 | 1.10 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.60 | 7.53000 | 29.84 | 0.00 | 7.20 | 2.16 | 0.00 | 1.11 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.50 | 7.53105 | 29.84 | 0.00 | 7.17 | 2.16 | 0.00 | 1.11 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.40 | 7.53105 | 29.84 | 0.00 | 7.15 | 2.15 | 0.00 | 1.11 | 0.03 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.30 | 7.53105 | 29.85 | 0.00 | 7.12 | 2.15 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.20 | 7.53105 | 29.85 | 0.00 | 7.10 | 2.14 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.10 | 7.53105 | 29.86 | 0.00 | 7.07 | 2.14 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 12.00 | 7.53105 | 29.86 | 0.00 | 7.05 | 2.13 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.90 | 7.53105 | 29.87 | 0.00 | 7.03 | 2.13 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.80 | 7.53105 | 29.87 | 0.00 | 7.01 | 2.12 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.70 | 7.53105 | 29.88 | 0.00 | 6.98 | 2.12 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.60 | 7.53105 | 29.88 | 0.00 | 6.96 | 2.11 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.50 | 7.53105 | 29.89 | 0.00 | 6.94 | 2.11 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.40 | 7.53105 | 29.89 | 0.00 | 6.92 | 2.10 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.30 | 7.53105 | 29.89 | 0.00 | 6.89 | 2.10 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.20 | 7.53105 | 29.90 | 0.00 | 6.87 | 2.09 | 0.00 | 1.11 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.10 | 7.53105 | 29.90 | 0.00 | 6.85 | 2.09 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 11.00 | 7.53105 | 29.91 | 0.00 | 6.83 | 2.08 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.90 | 7.53105 | 29.91 | 0.00 | 6.81 | 2.08 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.80 | 7.53105 | 29.92 | 0.00 | 6.79 | 2.07 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.70 | 7.53105 | 29.92 | 0.00 | 6.77 | 2.07 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.60 | 7.53105 | 29.93 | 0.00 | 6.75 | 2.07 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.50 | 7.53105 | 29.93 | 0.00 | 6.73 | 2.06 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.40 | 7.53105 | 29.93 | 0.00 | 6.71 | 2.06 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.30 | 7.53105 | 29.94 | 0.00 | 6.69 | 2.05 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 10.20 | 7.53105 | 29.94 | 0.00 | 6.67 | 2.05 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 10.10 | 7.53105 | 29.95 | 0.00 | 6.65 | 2.04 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 10.00 | 7.53105 | 29.95 | 0.00 | 6.63 | 2.04 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.90 | 7.53105 | 29.96 | 0.00 | 6.61 | 2.03 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.80 | 7.53105 | 29.96 | 0.00 | 6.59 | 2.03 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.70 | 7.53136 | 29.97 | 0.00 | 6.57 | 2.03 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.60 | 7.53136 | 29.97 | 0.00 | 6.55 | 2.02 | 0.00 | 1.12 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.50 | 7.53136 | 29.97 | 0.00 | 6.54 | 2.02 | 0.00 | 1.13 | 0.04 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.40 | 7.53136 | 29.98 | 0.00 | 6.52 | 2.01 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.30 | 7.53136 | 29.98 | 0.00 | 6.50 | 2.01 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.20 | 7.53136 | 29.99 | 0.00 | 6.48 | 2.01 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.10 | 7.53136 | 29.99 | 0.00 | 6.46 | 2.00 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 9.00 | 7.54450 | 30.00 | 0.00 | 6.44 | 2.01 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.90 | 7.54450 | 30.00 | 0.00 | 6.43 | 2.01 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.80 | 7.54450 | 30.01 | 0.00 | 6.41 | 2.00 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.70 | 7.54450 | 30.01 | 0.00 | 6.39 | 2.00 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.60 | 7.54450 | 30.01 | 0.00 | 6.37 | 2.00 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.50 | 7.54450 | 30.02 | 0.00 | 6.36 | 1.99 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.40 | 7.54450 | 30.02 | 0.00 | 6.34 | 1.99 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.30 | 7.54450 | 30.03 | 0.00 | 6.32 | 1.98 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.20 | 7.54450 | 30.03 | 0.00 | 6.31 | 1.98 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.10 | 7.54450 | 30.04 | 0.00 | 6.29 | 1.98 | 0.00 | 1.13 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 8.00 | 7.54450 | 30.04 | 0.00 | 6.27 | 1.97 | 0.00 | 1.14 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.90 | 7.54450 | 30.05 | 0.00 | 6.26 | 1.97 | 0.00 | 1.14 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.80 | 7.54450 | 30.05 | 0.00 | 6.24 | 1.96 | 0.00 | 1.14 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.70 | 7.54450 | 30.06 | 0.00 | 6.23 | 1.96 | 0.00 | 1.14 | 0.05 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.60 | 7.54450 | 30.06 | 0.00 | 6.21 | 1.96 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.50 | 7.54450 | 30.06 | 0.00 | 6.20 | 1.95 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.40 | 7.54450 | 30.07 | 0.00 | 6.18 | 1.95 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.30 | 7.54450 | 30.07 | 0.00 | 6.17 | 1.94 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.20 | 7.54450 | 30.08 | 0.00 | 6.15 | 1.94 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.10 | 7.54450 | 30.08 | 0.00 | 6.14 | 1.94 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 7.00 | 7.54450 | 30.09 | 0.00 | 6.12 | 1.93 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 6.90 | 7.54450 | 30.09 | 0.00 | 6.11 | 1.93 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 6.80 | 7.54450 | 30.10 | 0.00 | 6.09 | 1.93 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 6.70 | 7.54450 | 30.10 | 0.00 | 6.08 | 1.92 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 6.60 | 7.54450 | 30.10 | 0.00 | 6.06 | 1.92 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 6.50 | 7.54450 | 30.11 | 0.00 | 6.05 | 1.92 | 0.00 | 1.14 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 6.40 | 7.54450 | 30.11 | 0.00 | 6.04 | 1.91 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 6.30 | 7.54450 | 30.12 | 0.00 | 6.02 | 1.91 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 6.20 | 7.54450 | 30.12 | 0.00 | 6.01 | 1.91 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 6.10 | 7.54450 | 30.13 | 0.00 | 6.00 | 1.90 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 6.00 | 7.54450 | 30.13 | 0.00 | 5.98 | 1.90 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.90 | 7.54450 | 30.14 | 0.00 | 5.97 | 1.89 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.80 | 7.54450 | 30.14 | 0.00 | 5.96 | 1.89 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.70 | 7.54450 | 30.14 | 0.00 | 5.94 | 1.89 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.60 | 7.54450 | 30.15 | 0.00 | 5.93 | 1.88 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.50 | 7.54450 | 30.15 | 0.00 | 5.92 | 1.88 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.40 | 7.54450 | 30.16 | 0.00 | 5.91 | 1.88 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.30 | 7.54450 | 30.16 | 0.00 | 5.90 | 1.87 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.20 | 7.54450 | 30.17 | 0.00 | 5.88 | 1.87 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.10 | 7.54450 | 30.17 | 0.00 | 5.87 | 1.87 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 5.00 | 7.54450 | 30.18 | 0.00 | 5.86 | 1.87 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.90 | 7.54450 | 30.18 | 0.00 | 5.85 | 1.86 | 0.00 | 1.15 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.80 | 7.54450 | 30.19 | 0.00 | 5.84 | 1.86 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.70 | 7.54450 | 30.19 | 0.00 | 5.82 | 1.86 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.60 | 7.54450 | 30.19 | 0.00 | 5.81 | 1.85 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.50 | 7.54450 | 30.20 | 0.00 | 5.80 | 1.85 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.40 | 7.54450 | 30.20 | 0.00 | 5.79 | 1.85 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.30 | 7.54450 | 30.21 | 0.00 | 5.78 | 1.84 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.20 | 7.54450 | 30.21 | 0.00 | 5.77 | 1.84 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.10 | 7.54450 | 30.22 | 0.00 | 5.76 | 1.84 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 4.00 | 7.54450 | 30.22 | 0.00 | 5.75 | 1.83 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.90 | 7.54450 | 30.23 | 0.00 | 5.74 | 1.83 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.80 | 7.54450 | 30.23 | 0.00 | 5.73 | 1.83 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.70 | 7.54450 | 30.23 | 0.00 | 5.72 | 1.82 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.60 | 7.54450 | 30.24 | 0.00 | 5.71 | 1.82 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.50 | 7.54450 | 30.24 | 0.00 | 5.69 | 1.82 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.40 | 7.54450 | 30.25 | 0.00 | 5.68 | 1.82 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.30 | 7.54450 | 30.25 | 0.00 | 5.67 | 1.81 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.20 | 7.54450 | 30.26 | 0.00 | 5.67 | 1.81 | 0.00 | 1.16 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.10 | 7.54450 | 30.26 | 0.00 | 5.66 | 1.81 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 3.00 | 7.54450 | 30.27 | 0.00 | 5.65 | 1.80 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 2.90 | 7.54450 | 30.27 | 0.00 | 5.64 | 1.80 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 2.80 | 7.54450 | 30.27 | 0.00 | 5.63 | 1.80 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 2.70 | 7.54450 | 30.28 | 0.00 | 5.62 | 1.80 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.60 | 7.54450 | 30.28 | 0.00 | 5.61 | 1.79 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.50 | 7.54450 | 30.29 | 0.00 | 5.60 | 1.79 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.40 | 7.54450 | 30.29 | 0.00 | 5.59 | 1.79 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.30 | 7.54450 | 30.30 | 0.00 | 5.58 | 1.79 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.20 | 7.54450 | 30.30 | 0.00 | 5.57 | 1.78 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.10 | 7.54450 | 30.31 | 0.00 | 5.56 | 1.78 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 2.00 | 7.54450 | 30.31 | 0.00 | 5.55 | 1.78 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.90 | 7.54450 | 30.31 | 0.00 | 5.55 | 1.77 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.80 | 7.54450 | 30.32 | 0.00 | 5.54 | 1.77 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.70 | 7.54450 | 30.32 | 0.00 | 5.53 | 1.77 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.60 | 7.54450 | 30.33 | 0.00 | 5.52 | 1.77 | 0.00 | 1.17 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.50 | 7.54450 | 30.33 | 0.00 | 5.51 | 1.76 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.40 | 7.54450 | 30.34 | 0.00 | 5.50 | 1.76 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.30 | 7.54450 | 30.34 | 0.00 | 5.50 | 1.76 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.20 | 7.54450 | 30.35 | 0.00 | 5.49 | 1.76 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.10 | 7.54450 | 30.35 | 0.00 | 5.48 | 1.75 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 1.00 | 7.54450 | 30.36 | 0.00 | 5.47 | 1.75 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.90 | 7.54450 | 30.36 | 0.00 | 5.46 | 1.75 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.80 | 7.54450 | 30.36 | 0.00 | 5.46 | 1.75 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.70 | 7.54450 | 30.37 | 0.00 | 5.45 | 1.74 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 7.54450 | 30.37 | 0.00 | 5.44 | 1.74 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.50 | 7.54450 | 30.38 | 0.00 | 5.43 | 1.74 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.40 | 7.54450 | 30.38 | 0.00 | 5.43 | 1.74 | 0.00 | 1.18 | 0.06 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.30 | 7.56386 | 30.39 | 0.00 | 5.42 | 1.77 | 0.00 | 1.18 | 0.07 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.20 | 7.56386 | 30.39 | 0.00 | 5.41 | 1.76 | 0.00 | 1.18 | 0.07 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.10 | 7.56386 | 30.40 | 0.00 | 5.40 | 1.76 | 0.00 | 1.18 | 0.07 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 0.00 | 7.56386 | 30.40 | 0.00 | 5.39 | 1.76 | 0.00 | 1.18 | 0.07 | 0.00 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |

CONDENSED CAPSULE SUMMARY FOR Bayou Plaquemine

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 0.77000 | 29.10 | 0.00 | 4.10 | 4.93 | 0.00 | 1.60 | 0.00 | 58.00 | | | | | | | |
| 11.80 | 0.77000 | 29.10 | 0.00 | 4.36 | 5.20 | 0.00 | 1.60 | 0.00 | 57.51 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.89 |
| 11.70 | 0.77000 | 29.10 | 0.00 | 4.60 | 5.47 | 0.00 | 1.60 | 0.00 | 57.03 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.89 |
| 11.60 | 0.77000 | 29.11 | 0.00 | 4.83 | 5.74 | 0.00 | 1.59 | 0.01 | 56.54 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.89 |
| 11.50 | 0.77000 | 29.11 | 0.00 | 5.05 | 6.01 | 0.00 | 1.59 | 0.01 | 56.05 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 11.40 | 0.77000 | 29.11 | 0.00 | 5.26 | 6.27 | 0.00 | 1.59 | 0.01 | 55.56 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 11.30 | 0.77000 | 29.11 | 0.00 | 5.45 | 6.53 | 0.00 | 1.59 | 0.01 | 55.08 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 11.20 | 0.77000 | 29.11 | 0.00 | 5.64 | 6.79 | 0.00 | 1.59 | 0.01 | 54.59 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 11.10 | 0.77000 | 29.11 | 0.00 | 5.81 | 7.05 | 0.00 | 1.58 | 0.01 | 54.10 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 11.00 | 0.77000 | 29.12 | 0.00 | 5.98 | 7.30 | 0.00 | 1.58 | 0.02 | 53.61 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 10.90 | 0.77000 | 29.12 | 0.00 | 6.13 | 7.56 | 0.00 | 1.58 | 0.02 | 53.13 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.80 | 0.77000 | 29.12 | 0.00 | 6.27 | 7.81 | 0.00 | 1.58 | 0.02 | 52.64 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.70 | 0.77000 | 29.12 | 0.00 | 6.41 | 8.06 | 0.00 | 1.58 | 0.02 | 52.15 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.60 | 0.77000 | 29.12 | 0.00 | 6.54 | 8.30 | 0.00 | 1.58 | 0.02 | 51.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.50 | 0.77000 | 29.12 | 0.00 | 6.66 | 8.55 | 0.00 | 1.57 | 0.02 | 51.18 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.40 | 0.77000 | 29.13 | 0.00 | 6.77 | 8.79 | 0.00 | 1.57 | 0.02 | 50.69 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.30 | 0.77000 | 29.13 | 0.00 | 6.87 | 9.03 | 0.00 | 1.57 | 0.03 | 50.20 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 10.20 | 0.77000 | 29.13 | 0.00 | 6.96 | 9.27 | 0.00 | 1.57 | 0.03 | 49.71 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 10.10 | 0.77000 | 29.13 | 0.00 | 7.05 | 9.51 | 0.00 | 1.57 | 0.03 | 49.23 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 10.00 | 0.77000 | 29.13 | 0.00 | 7.13 | 9.74 | 0.00 | 1.56 | 0.03 | 48.74 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.90 | 0.77000 | 29.13 | 0.00 | 7.20 | 9.98 | 0.00 | 1.56 | 0.03 | 48.25 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.80 | 0.77000 | 29.14 | 0.00 | 7.27 | 10.21 | 0.00 | 1.56 | 0.03 | 47.76 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.70 | 0.77000 | 29.14 | 0.00 | 7.33 | 10.44 | 0.00 | 1.56 | 0.03 | 47.28 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.60 | 0.77000 | 29.14 | 0.00 | 7.39 | 10.66 | 0.00 | 1.56 | 0.03 | 46.79 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.50 | 0.77000 | 29.14 | 0.00 | 7.44 | 10.89 | 0.00 | 1.56 | 0.04 | 46.30 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.40 | 0.77000 | 29.14 | 0.00 | 7.48 | 11.11 | 0.00 | 1.55 | 0.04 | 45.82 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.30 | 0.77000 | 29.14 | 0.00 | 7.52 | 11.33 | 0.00 | 1.55 | 0.04 | 45.33 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.20 | 0.77000 | 29.15 | 0.00 | 7.56 | 11.55 | 0.00 | 1.55 | 0.04 | 44.84 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.10 | 0.77000 | 29.15 | 0.00 | 7.59 | 11.77 | 0.00 | 1.55 | 0.04 | 44.35 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 9.00 | 0.77000 | 29.15 | 0.00 | 7.61 | 11.99 | 0.00 | 1.55 | 0.04 | 43.87 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.90 | 0.83572 | 29.15 | 0.00 | 7.40 | 13.59 | 0.00 | 1.55 | 0.35 | 43.38 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.80 | 0.83572 | 29.15 | 0.00 | 7.38 | 13.78 | 0.00 | 1.55 | 0.34 | 42.89 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.70 | 0.83572 | 29.15 | 0.00 | 7.37 | 13.96 | 0.00 | 1.54 | 0.34 | 42.40 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.60 | 0.83572 | 29.16 | 0.00 | 7.36 | 14.14 | 0.00 | 1.54 | 0.33 | 41.92 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.50 | 0.83572 | 29.16 | 0.00 | 7.34 | 14.33 | 0.00 | 1.54 | 0.33 | 41.43 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.40 | 0.83572 | 29.16 | 0.00 | 7.32 | 14.51 | 0.00 | 1.54 | 0.32 | 40.94 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.30 | 0.83572 | 29.16 | 0.00 | 7.30 | 14.68 | 0.00 | 1.54 | 0.32 | 40.45 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.20 | 0.83572 | 29.16 | 0.00 | 7.27 | 14.86 | 0.00 | 1.54 | 0.32 | 39.97 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.10 | 0.83572 | 29.16 | 0.00 | 7.25 | 15.04 | 0.00 | 1.53 | 0.31 | 39.48 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 8.00 | 0.83572 | 29.17 | 0.00 | 7.22 | 15.21 | 0.00 | 1.53 | 0.31 | 38.99 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.90 | 0.83572 | 29.17 | 0.00 | 7.19 | 15.38 | 0.00 | 1.53 | 0.30 | 38.50 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.80 | 0.83572 | 29.17 | 0.00 | 7.16 | 15.56 | 0.00 | 1.53 | 0.30 | 38.02 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.70 | 0.83572 | 29.17 | 0.00 | 7.13 | 15.73 | 0.00 | 1.53 | 0.30 | 37.53 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.60 | 0.83572 | 29.17 | 0.00 | 7.09 | 15.90 | 0.00 | 1.53 | 0.29 | 37.04 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.50 | 0.83572 | 29.17 | 0.00 | 7.06 | 16.06 | 0.00 | 1.52 | 0.29 | 36.55 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.40 | 0.83572 | 29.18 | 0.00 | 7.02 | 16.23 | 0.00 | 1.52 | 0.28 | 36.07 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.30 | 0.83572 | 29.18 | 0.00 | 6.99 | 16.40 | 0.00 | 1.52 | 0.28 | 35.58 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.20 | 0.83572 | 29.18 | 0.00 | 6.95 | 16.56 | 0.00 | 1.52 | 0.28 | 35.09 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.10 | 0.83572 | 29.18 | 0.00 | 6.91 | 16.72 | 0.00 | 1.52 | 0.27 | 34.61 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 7.00 | 0.83572 | 29.18 | 0.00 | 6.86 | 16.88 | 0.00 | 1.52 | 0.27 | 34.12 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 6.90 | 0.83572 | 29.18 | 0.00 | 6.82 | 17.04 | 0.00 | 1.51 | 0.27 | 33.63 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 6.80 | 0.83572 | 29.19 | 0.00 | 6.78 | 17.20 | 0.00 | 1.51 | 0.26 | 33.14 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 6.70 | 0.83572 | 29.19 | 0.00 | 6.73 | 17.36 | 0.00 | 1.51 | 0.26 | 32.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 6.60 | 0.83572 | 29.19 | 0.00 | 6.69 | 17.52 | 0.00 | 1.51 | 0.26 | 32.17 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 6.50 | 0.83572 | 29.19 | 0.00 | 6.64 | 17.67 | 0.00 | 1.51 | 0.25 | 31.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 6.40 | 0.83572 | 29.19 | 0.00 | 6.59 | 17.83 | 0.00 | 1.51 | 0.25 | 31.19 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 6.30 | 0.83572 | 29.19 | 0.00 | 6.54 | 17.98 | 0.00 | 1.50 | 0.25 | 30.71 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 6.20 | 0.83572 | 29.20 | 0.00 | 6.49 | 18.13 | 0.00 | 1.50 | 0.25 | 30.22 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 6.10 | 0.83572 | 29.20 | 0.00 | 6.44 | 18.28 | 0.00 | 1.50 | 0.24 | 29.73 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 6.00 | 0.83572 | 29.20 | 0.00 | 6.39 | 18.43 | 0.00 | 1.50 | 0.24 | 29.24 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.90 | 0.83572 | 29.20 | 0.00 | 6.34 | 18.58 | 0.00 | 1.50 | 0.24 | 28.76 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.80 | 0.83572 | 29.20 | 0.00 | 6.28 | 18.73 | 0.00 | 1.50 | 0.24 | 28.27 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.70 | 0.83572 | 29.20 | 0.00 | 6.23 | 18.87 | 0.00 | 1.50 | 0.23 | 27.78 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.60 | 0.83572 | 29.21 | 0.00 | 6.18 | 19.02 | 0.00 | 1.49 | 0.23 | 27.29 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.50 | 0.83572 | 29.21 | 0.00 | 6.12 | 19.16 | 0.00 | 1.49 | 0.23 | 26.81 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.40 | 0.83572 | 29.21 | 0.00 | 6.06 | 19.31 | 0.00 | 1.49 | 0.22 | 26.32 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.30 | 0.83572 | 29.21 | 0.00 | 6.01 | 19.45 | 0.00 | 1.49 | 0.22 | 25.83 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.20 | 0.83572 | 29.21 | 0.00 | 5.95 | 19.59 | 0.00 | 1.49 | 0.22 | 25.34 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.10 | 0.83572 | 29.21 | 0.00 | 5.89 | 19.73 | 0.00 | 1.49 | 0.22 | 24.86 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 5.00 | 0.83572 | 29.22 | 0.00 | 5.83 | 19.87 | 0.00 | 1.48 | 0.22 | 24.37 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.90 | 0.83857 | 29.22 | 0.00 | 5.77 | 19.97 | 0.00 | 1.48 | 0.22 | 23.88 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.80 | 0.83857 | 29.22 | 0.00 | 5.71 | 20.11 | 0.00 | 1.48 | 0.22 | 23.39 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.70 | 0.83857 | 29.22 | 0.00 | 5.65 | 20.24 | 0.00 | 1.48 | 0.21 | 22.91 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.60 | 0.83962 | 29.22 | 0.00 | 5.59 | 20.39 | 0.00 | 1.48 | 0.21 | 22.42 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.50 | 0.83962 | 29.22 | 0.00 | 5.53 | 20.52 | 0.00 | 1.48 | 0.21 | 21.93 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.40 | 0.83962 | 29.23 | 0.00 | 5.47 | 20.65 | 0.00 | 1.47 | 0.21 | 21.45 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.30 | 0.83984 | 29.23 | 0.00 | 5.41 | 20.79 | 0.00 | 1.47 | 0.21 | 20.96 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.20 | 0.83984 | 29.23 | 0.00 | 5.35 | 20.92 | 0.00 | 1.47 | 0.20 | 20.47 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.10 | 0.83984 | 29.23 | 0.00 | 5.28 | 21.05 | 0.00 | 1.47 | 0.20 | 19.98 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 4.00 | 0.83984 | 29.23 | 0.00 | 5.22 | 21.17 | 0.00 | 1.47 | 0.20 | 19.50 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 3.90 | 0.83984 | 29.23 | 0.00 | 5.16 | 21.30 | 0.00 | 1.47 | 0.20 | 19.01 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 3.80 | 0.83984 | 29.24 | 0.00 | 5.10 | 21.43 | 0.00 | 1.46 | 0.20 | 18.52 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 3.70 | 0.83984 | 29.24 | 0.00 | 5.03 | 21.55 | 0.00 | 1.46 | 0.20 | 18.03 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 3.60 | 0.83984 | 29.24 | 0.00 | 4.97 | 21.68 | 0.00 | 1.46 | 0.19 | 17.55 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 3.50 | 0.83984 | 29.24 | 0.00 | 4.90 | 21.80 | 0.00 | 1.46 | 0.19 | 17.06 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 3.40 | 0.83984 | 29.24 | 0.00 | 4.84 | 21.92 | 0.00 | 1.46 | 0.19 | 16.57 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 3.30 | 0.83984 | 29.24 | 0.00 | 4.78 | 22.04 | 0.00 | 1.46 | 0.19 | 16.08 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.20 | 0.83995 | 29.25 | 0.00 | 4.71 | 22.16 | 0.00 | 1.46 | 0.19 | 15.60 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.90 |
| 3.10 | 0.83995 | 29.25 | 0.00 | 4.65 | 22.28 | 0.00 | 1.45 | 0.19 | 15.11 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.90 |
| 3.00 | 0.83995 | 29.25 | 0.00 | 4.58 | 22.40 | 0.00 | 1.45 | 0.18 | 14.62 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.90 | 0.83995 | 29.25 | 0.00 | 4.51 | 22.52 | 0.00 | 1.45 | 0.18 | 14.13 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.80 | 0.83995 | 29.25 | 0.00 | 4.45 | 22.63 | 0.00 | 1.45 | 0.18 | 13.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.70 | 0.83995 | 29.25 | 0.00 | 4.38 | 22.75 | 0.00 | 1.45 | 0.18 | 13.16 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.60 | 0.83995 | 29.26 | 0.00 | 4.32 | 22.86 | 0.00 | 1.45 | 0.18 | 12.67 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.50 | 0.83995 | 29.26 | 0.00 | 4.25 | 22.98 | 0.00 | 1.44 | 0.18 | 12.18 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.40 | 0.83995 | 29.26 | 0.00 | 4.18 | 23.09 | 0.00 | 1.44 | 0.18 | 11.70 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 2.30 | 0.83995 | 29.26 | 0.00 | 4.12 | 23.20 | 0.00 | 1.44 | 0.17 | 11.21 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 2.20 | 0.83995 | 29.26 | 0.00 | 4.05 | 23.31 | 0.00 | 1.44 | 0.17 | 10.72 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 2.10 | 0.83995 | 29.26 | 0.00 | 3.98 | 23.42 | 0.00 | 1.44 | 0.17 | 10.24 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 2.00 | 0.83995 | 29.27 | 0.00 | 3.92 | 23.53 | 0.00 | 1.44 | 0.17 | 9.75 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 1.90 | 0.83995 | 29.27 | 0.00 | 3.85 | 23.64 | 0.00 | 1.43 | 0.17 | 9.26 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 1.80 | 0.83995 | 29.27 | 0.00 | 3.78 | 23.75 | 0.00 | 1.43 | 0.17 | 8.77 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 1.70 | 0.83995 | 29.27 | 0.00 | 3.72 | 23.85 | 0.00 | 1.43 | 0.17 | 8.29 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 1.60 | 0.83995 | 29.27 | 0.00 | 3.65 | 23.96 | 0.00 | 1.43 | 0.17 | 7.80 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 1.50 | 0.83995 | 29.27 | 0.00 | 3.58 | 24.07 | 0.00 | 1.43 | 0.16 | 7.31 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 1.40 | 0.83995 | 29.28 | 0.00 | 3.51 | 24.17 | 0.00 | 1.43 | 0.16 | 6.82 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 1.30 | 0.83995 | 29.28 | 0.00 | 3.45 | 24.27 | 0.00 | 1.43 | 0.16 | 6.34 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 1.20 | 0.83995 | 29.28 | 0.00 | 3.38 | 24.38 | 0.00 | 1.42 | 0.16 | 5.85 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 1.10 | 0.83995 | 29.28 | 0.00 | 3.31 | 24.48 | 0.00 | 1.42 | 0.16 | 5.36 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 1.00 | 0.83995 | 29.28 | 0.00 | 3.24 | 24.58 | 0.00 | 1.42 | 0.16 | 4.87 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 0.90 | 0.83995 | 29.28 | 0.00 | 3.18 | 24.68 | 0.00 | 1.42 | 0.16 | 4.39 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 0.80 | 0.83995 | 29.29 | 0.00 | 3.11 | 24.78 | 0.00 | 1.42 | 0.16 | 3.90 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 0.70 | 0.83995 | 29.29 | 0.00 | 3.04 | 24.88 | 0.00 | 1.42 | 0.16 | 3.41 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 0.90 |
| 0.60 | 0.83995 | 29.29 | 0.00 | 2.97 | 24.98 | 0.00 | 1.41 | 0.16 | 2.92 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 0.90 |
| 0.50 | 0.83995 | 29.29 | 0.00 | 2.91 | 25.07 | 0.00 | 1.41 | 0.16 | 2.44 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 0.90 |
| 0.40 | 0.83995 | 29.29 | 0.00 | 2.84 | 25.17 | 0.00 | 1.41 | 0.15 | 1.95 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 0.30 | 0.83995 | 29.29 | 0.00 | 2.77 | 25.27 | 0.00 | 1.41 | 0.15 | 1.46 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 0.20 | 0.83995 | 29.30 | 0.00 | 2.70 | 25.36 | 0.00 | 1.41 | 0.15 | 0.97 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 0.10 | 0.83995 | 29.30 | 0.00 | 2.64 | 25.46 | 0.00 | 1.41 | 0.15 | 0.49 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 0.00 | 0.83995 | 29.30 | 0.00 | 2.57 | 25.55 | 0.00 | 1.41 | 0.15 | 0.00 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 0.90 |

CONDENSED CAPSULE SUMMARY FOR Upper Grand River #1

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 NH3 | CHLA | RATE | DECA | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 3.94000 | 30.50 | 0.00 | 3.30 | 16.00 | 0.00 | 1.40 | 0.03 | 32.00 | | | | | |
| 12.30 | 3.94000 | 31.49 | 0.00 | 3.16 | 15.77 | 0.00 | 1.40 | 0.03 | 32.07 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.40 | 3.30 |
| 12.20 | 3.94000 | 31.48 | 0.00 | 3.03 | 15.55 | 0.00 | 1.40 | 0.03 | 32.14 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.40 | 3.30 |
| 12.10 | 3.94000 | 31.48 | 0.00 | 2.91 | 15.33 | 0.00 | 1.40 | 0.03 | 32.21 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.39 | 3.30 |
| 12.00 | 3.94000 | 31.47 | 0.00 | 2.79 | 15.11 | 0.00 | 1.40 | 0.03 | 32.29 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.38 | 3.29 |
| 11.90 | 3.94000 | 31.46 | 0.00 | 2.68 | 14.89 | 0.00 | 1.40 | 0.03 | 32.36 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.38 | 3.29 |
| 11.80 | 3.94000 | 31.45 | 0.00 | 2.58 | 14.68 | 0.00 | 1.39 | 0.03 | 32.43 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.37 | 3.29 |
| 11.70 | 3.94000 | 31.44 | 0.00 | 2.48 | 14.47 | 0.00 | 1.39 | 0.03 | 32.50 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.37 | 3.29 |
| 11.60 | 3.94000 | 31.43 | 0.00 | 2.39 | 14.27 | 0.00 | 1.39 | 0.04 | 32.57 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.36 | 3.29 |
| 11.50 | 3.94000 | 31.42 | 0.00 | 2.30 | 14.06 | 0.00 | 1.39 | 0.04 | 32.64 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.36 | 3.29 |
| 11.40 | 3.94000 | 31.42 | 0.00 | 2.21 | 13.86 | 0.00 | 1.39 | 0.04 | 32.71 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.35 | 3.28 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.30 | 3.94000 | 31.41 | 0.00 | 2.14 | 13.67 | 0.00 | 1.39 | 0.04 | 32.79 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.34 | 3.28 |
| 11.20 | 3.94000 | 31.40 | 0.00 | 2.06 | 13.47 | 0.00 | 1.39 | 0.04 | 32.86 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.34 | 3.28 |
| 11.10 | 3.94000 | 31.39 | 0.00 | 1.99 | 13.28 | 0.00 | 1.39 | 0.04 | 32.93 | 0.85 | 0.50 | 0.00 | 0.00 | 0.00 | 0.33 | 3.27 |
| 11.00 | 3.94000 | 31.38 | 0.00 | 1.94 | 13.10 | 0.00 | 1.39 | 0.04 | 33.00 | 0.85 | 0.49 | 0.00 | 0.00 | 0.00 | 0.31 | 3.18 |
| 10.90 | 3.94000 | 31.38 | 0.00 | 1.89 | 12.92 | 0.00 | 1.39 | 0.04 | 33.07 | 0.85 | 0.48 | 0.00 | 0.00 | 0.00 | 0.28 | 3.10 |
| 10.80 | 3.94000 | 31.37 | 0.00 | 1.86 | 12.75 | 0.00 | 1.38 | 0.04 | 33.14 | 0.85 | 0.47 | 0.00 | 0.00 | 0.00 | 0.26 | 3.04 |
| 10.70 | 3.94000 | 31.36 | 0.00 | 1.83 | 12.59 | 0.00 | 1.38 | 0.04 | 33.21 | 0.85 | 0.46 | 0.00 | 0.00 | 0.00 | 0.24 | 2.99 |
| 10.60 | 3.94000 | 31.35 | 0.00 | 1.80 | 12.43 | 0.00 | 1.38 | 0.04 | 33.29 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.23 | 2.94 |
| 10.50 | 3.94000 | 31.34 | 0.00 | 1.78 | 12.27 | 0.00 | 1.38 | 0.04 | 33.36 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.22 | 2.91 |
| 10.40 | 3.94000 | 31.33 | 0.00 | 1.77 | 12.12 | 0.00 | 1.38 | 0.04 | 33.43 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.22 | 2.89 |
| 10.30 | 3.94000 | 31.33 | 0.00 | 1.76 | 11.97 | 0.00 | 1.38 | 0.04 | 33.50 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.87 |
| 10.20 | 3.94000 | 31.32 | 0.00 | 1.75 | 11.82 | 0.00 | 1.38 | 0.04 | 33.57 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.86 |
| 10.10 | 3.94000 | 31.31 | 0.00 | 1.75 | 11.67 | 0.00 | 1.38 | 0.05 | 33.64 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.85 |
| 10.00 | 3.94000 | 31.30 | 0.00 | 1.74 | 11.53 | 0.00 | 1.38 | 0.05 | 33.71 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.20 | 2.84 |
| 9.90 | 3.94000 | 31.29 | 0.00 | 1.74 | 11.39 | 0.00 | 1.38 | 0.05 | 33.79 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.20 | 2.84 |
| 9.80 | 3.94000 | 31.28 | 0.00 | 1.74 | 11.24 | 0.00 | 1.37 | 0.05 | 33.86 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.20 | 2.84 |
| 9.70 | 3.94000 | 31.27 | 0.00 | 1.75 | 11.11 | 0.00 | 1.37 | 0.05 | 33.93 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.84 |
| 9.60 | 3.94000 | 31.27 | 0.00 | 1.75 | 10.97 | 0.00 | 1.37 | 0.05 | 34.00 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.85 |
| 9.50 | 4.90829 | 31.26 | 0.00 | 2.47 | 10.65 | 0.00 | 1.38 | 0.06 | 34.07 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 |
| 9.40 | 4.90829 | 31.25 | 0.00 | 2.45 | 10.53 | 0.00 | 1.38 | 0.06 | 34.14 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 |
| 9.30 | 4.90829 | 31.24 | 0.00 | 2.44 | 10.41 | 0.00 | 1.38 | 0.06 | 34.21 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 |
| 9.20 | 4.90829 | 31.23 | 0.00 | 2.42 | 10.30 | 0.00 | 1.37 | 0.06 | 34.29 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 |
| 9.10 | 4.90829 | 31.23 | 0.00 | 2.41 | 10.18 | 0.00 | 1.37 | 0.06 | 34.36 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.24 |
| 9.00 | 4.90829 | 31.22 | 0.00 | 2.40 | 10.06 | 0.00 | 1.37 | 0.06 | 34.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.24 |
| 8.90 | 4.90829 | 31.21 | 0.00 | 2.39 | 9.95 | 0.00 | 1.37 | 0.06 | 34.50 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 |
| 8.80 | 4.90829 | 31.20 | 0.00 | 2.38 | 9.84 | 0.00 | 1.37 | 0.06 | 34.57 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 |
| 8.70 | 4.90829 | 31.19 | 0.00 | 2.37 | 9.73 | 0.00 | 1.37 | 0.06 | 34.64 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 |
| 8.60 | 4.90829 | 31.18 | 0.00 | 2.37 | 9.62 | 0.00 | 1.37 | 0.06 | 34.71 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 |
| 8.50 | 4.90829 | 31.17 | 0.00 | 2.36 | 9.51 | 0.00 | 1.37 | 0.06 | 34.79 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 8.40 | 4.90829 | 31.17 | 0.00 | 2.36 | 9.40 | 0.00 | 1.37 | 0.06 | 34.86 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 8.30 | 4.90829 | 31.16 | 0.00 | 2.36 | 9.29 | 0.00 | 1.37 | 0.06 | 34.93 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 8.20 | 4.90829 | 31.15 | 0.00 | 2.36 | 9.19 | 0.00 | 1.37 | 0.06 | 35.00 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 8.10 | 4.90829 | 31.14 | 0.00 | 2.37 | 9.08 | 0.00 | 1.37 | 0.06 | 35.07 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 8.00 | 4.90829 | 31.13 | 0.00 | 2.37 | 8.98 | 0.00 | 1.37 | 0.06 | 35.14 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 7.90 | 4.90829 | 31.12 | 0.00 | 2.37 | 8.88 | 0.00 | 1.36 | 0.06 | 35.21 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 7.80 | 4.90829 | 31.12 | 0.00 | 2.38 | 8.78 | 0.00 | 1.36 | 0.06 | 35.29 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 7.70 | 4.90829 | 31.11 | 0.00 | 2.39 | 8.68 | 0.00 | 1.36 | 0.06 | 35.36 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 7.60 | 4.90829 | 31.10 | 0.00 | 2.39 | 8.58 | 0.00 | 1.36 | 0.06 | 35.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 7.50 | 4.90829 | 31.09 | 0.00 | 2.40 | 8.49 | 0.00 | 1.36 | 0.06 | 35.50 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 7.40 | 4.90829 | 31.08 | 0.00 | 2.41 | 8.39 | 0.00 | 1.36 | 0.06 | 35.57 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 7.30 | 4.90829 | 31.07 | 0.00 | 2.43 | 8.30 | 0.00 | 1.36 | 0.07 | 35.64 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 7.20 | 4.90829 | 31.07 | 0.00 | 2.44 | 8.20 | 0.00 | 1.36 | 0.07 | 35.71 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 7.10 | 4.90829 | 31.06 | 0.00 | 2.45 | 8.11 | 0.00 | 1.36 | 0.07 | 35.79 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 7.00 | 4.90829 | 31.05 | 0.00 | 2.47 | 8.02 | 0.00 | 1.36 | 0.07 | 35.86 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 6.90 | 4.90829 | 31.04 | 0.00 | 2.48 | 7.93 | 0.00 | 1.36 | 0.07 | 35.93 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.21 |
| 6.80 | 4.90829 | 31.03 | 0.00 | 2.50 | 7.84 | 0.00 | 1.36 | 0.07 | 36.00 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.21 |
| 6.70 | 4.90829 | 31.02 | 0.00 | 2.51 | 7.75 | 0.00 | 1.36 | 0.07 | 36.07 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 6.60 | 4.90829 | 31.02 | 0.00 | 2.53 | 7.67 | 0.00 | 1.35 | 0.07 | 36.14 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 6.50 | 4.90829 | 31.01 | 0.00 | 2.55 | 7.58 | 0.00 | 1.35 | 0.07 | 36.21 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 6.40 | 4.90829 | 31.00 | 0.00 | 2.57 | 7.49 | 0.00 | 1.35 | 0.07 | 36.29 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.30 | 4.90829 | 30.99 | 0.00 | 2.59 | 7.41 | 0.00 | 1.35 | 0.07 | 36.36 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 6.20 | 4.90829 | 30.98 | 0.00 | 2.61 | 7.33 | 0.00 | 1.35 | 0.07 | 36.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 6.10 | 4.90829 | 30.98 | 0.00 | 2.63 | 7.25 | 0.00 | 1.35 | 0.07 | 36.50 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 6.00 | 4.90829 | 30.97 | 0.00 | 2.65 | 7.16 | 0.00 | 1.35 | 0.07 | 36.57 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 5.90 | 4.90829 | 30.96 | 0.00 | 2.67 | 7.08 | 0.00 | 1.35 | 0.07 | 36.64 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 5.80 | 4.90829 | 30.95 | 0.00 | 2.70 | 7.00 | 0.00 | 1.35 | 0.07 | 36.71 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 5.70 | 4.90829 | 30.94 | 0.00 | 2.72 | 6.93 | 0.00 | 1.35 | 0.07 | 36.79 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 5.60 | 4.90829 | 30.93 | 0.00 | 2.74 | 6.85 | 0.00 | 1.35 | 0.07 | 36.86 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 5.50 | 4.90829 | 30.92 | 0.00 | 2.77 | 6.77 | 0.00 | 1.35 | 0.07 | 36.93 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 5.40 | 4.90829 | 30.92 | 0.00 | 2.79 | 6.70 | 0.00 | 1.35 | 0.07 | 37.00 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 5.30 | 4.90829 | 30.91 | 0.00 | 2.82 | 6.62 | 0.00 | 1.34 | 0.07 | 37.07 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 5.20 | 4.90829 | 30.90 | 0.00 | 2.84 | 6.55 | 0.00 | 1.34 | 0.07 | 37.14 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 5.10 | 4.90829 | 30.89 | 0.00 | 2.87 | 6.47 | 0.00 | 1.34 | 0.07 | 37.21 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 5.00 | 4.90829 | 30.88 | 0.00 | 2.90 | 6.40 | 0.00 | 1.34 | 0.07 | 37.29 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 4.90 | 4.90829 | 30.88 | 0.00 | 2.92 | 6.33 | 0.00 | 1.34 | 0.07 | 37.36 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 4.80 | 4.90829 | 30.87 | 0.00 | 2.95 | 6.26 | 0.00 | 1.34 | 0.07 | 37.43 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 4.70 | 4.90829 | 30.86 | 0.00 | 2.98 | 6.19 | 0.00 | 1.34 | 0.07 | 37.50 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 4.60 | 4.90829 | 30.85 | 0.00 | 3.01 | 6.12 | 0.00 | 1.34 | 0.07 | 37.57 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.17 |
| 4.50 | 4.90829 | 30.84 | 0.00 | 3.04 | 6.05 | 0.00 | 1.34 | 0.07 | 37.64 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.17 |
| 4.40 | 4.90829 | 30.83 | 0.00 | 3.07 | 5.99 | 0.00 | 1.34 | 0.07 | 37.71 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.17 |
| 4.30 | 4.90829 | 30.82 | 0.00 | 3.09 | 5.92 | 0.00 | 1.34 | 0.07 | 37.79 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 |
| 4.20 | 4.90829 | 30.82 | 0.00 | 3.12 | 5.85 | 0.00 | 1.34 | 0.07 | 37.86 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 |
| 4.10 | 4.90829 | 30.81 | 0.00 | 3.15 | 5.79 | 0.00 | 1.34 | 0.07 | 37.93 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 |
| 4.00 | 4.90829 | 30.80 | 0.00 | 3.18 | 5.72 | 0.00 | 1.33 | 0.07 | 38.00 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 |
| 3.90 | 6.87829 | 30.78 | 0.00 | 3.40 | 5.85 | 0.00 | 1.36 | 0.07 | 37.05 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.16 |
| 3.80 | 6.87829 | 30.76 | 0.00 | 3.42 | 5.81 | 0.00 | 1.36 | 0.07 | 36.10 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.15 |
| 3.70 | 6.87829 | 30.75 | 0.00 | 3.44 | 5.77 | 0.00 | 1.36 | 0.07 | 35.15 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.15 |
| 3.60 | 6.87829 | 30.73 | 0.00 | 3.45 | 5.74 | 0.00 | 1.36 | 0.07 | 34.20 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.14 |
| 3.50 | 6.87829 | 30.71 | 0.00 | 3.47 | 5.70 | 0.00 | 1.35 | 0.07 | 33.25 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.14 |
| 3.40 | 6.87829 | 30.69 | 0.00 | 3.48 | 5.66 | 0.00 | 1.35 | 0.07 | 32.30 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.14 |
| 3.30 | 6.87829 | 30.68 | 0.00 | 3.50 | 5.62 | 0.00 | 1.35 | 0.07 | 31.35 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.13 |
| 3.20 | 6.87829 | 30.66 | 0.00 | 3.51 | 5.59 | 0.00 | 1.35 | 0.07 | 30.40 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.13 |
| 3.10 | 6.87829 | 30.64 | 0.00 | 3.52 | 5.55 | 0.00 | 1.35 | 0.07 | 29.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.13 |
| 3.00 | 6.87829 | 30.62 | 0.00 | 3.53 | 5.51 | 0.00 | 1.35 | 0.07 | 28.50 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.12 |
| 2.90 | 6.87829 | 30.61 | 0.00 | 3.54 | 5.48 | 0.00 | 1.35 | 0.07 | 27.55 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.12 |
| 2.80 | 6.87829 | 30.59 | 0.00 | 3.55 | 5.44 | 0.00 | 1.35 | 0.07 | 26.60 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.12 |
| 2.70 | 6.87829 | 30.57 | 0.00 | 3.56 | 5.41 | 0.00 | 1.35 | 0.07 | 25.65 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.11 |
| 2.60 | 6.87829 | 30.56 | 0.00 | 3.57 | 5.37 | 0.00 | 1.35 | 0.07 | 24.70 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.11 |
| 2.50 | 6.87829 | 30.54 | 0.00 | 3.58 | 5.33 | 0.00 | 1.35 | 0.07 | 23.75 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.11 |
| 2.40 | 6.87829 | 30.52 | 0.00 | 3.58 | 5.30 | 0.00 | 1.35 | 0.07 | 22.80 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.10 |
| 2.30 | 6.87829 | 30.50 | 0.00 | 3.59 | 5.26 | 0.00 | 1.35 | 0.07 | 21.85 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.10 |
| 2.20 | 6.87829 | 30.49 | 0.00 | 3.59 | 5.23 | 0.00 | 1.35 | 0.07 | 20.90 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.10 |
| 2.10 | 6.87829 | 30.47 | 0.00 | 3.60 | 5.20 | 0.00 | 1.35 | 0.07 | 19.95 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.09 |
| 2.00 | 6.87829 | 30.45 | 0.00 | 3.60 | 5.16 | 0.00 | 1.35 | 0.07 | 19.00 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.39 | 3.09 |
| 1.90 | 6.87829 | 30.43 | 0.00 | 3.60 | 5.13 | 0.00 | 1.35 | 0.07 | 18.05 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.09 |
| 1.80 | 6.87829 | 30.41 | 0.00 | 3.60 | 5.10 | 0.00 | 1.35 | 0.07 | 17.10 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.08 |
| 1.70 | 6.87829 | 30.40 | 0.00 | 3.60 | 5.06 | 0.00 | 1.35 | 0.07 | 16.15 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.08 |
| 1.60 | 6.87829 | 30.38 | 0.00 | 3.60 | 5.03 | 0.00 | 1.35 | 0.07 | 15.20 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.08 |
| 1.50 | 6.87829 | 30.36 | 0.00 | 3.60 | 5.00 | 0.00 | 1.35 | 0.07 | 14.25 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.07 |
| 1.40 | 6.87829 | 30.34 | 0.00 | 3.60 | 4.96 | 0.00 | 1.35 | 0.07 | 13.30 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.07 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.30 | 6.87829 | 30.33 | 0.00 | 3.60 | 4.93 | 0.00 | 1.34 | 0.07 | 12.35 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.07 |
| 1.20 | 6.87829 | 30.31 | 0.00 | 3.59 | 4.90 | 0.00 | 1.34 | 0.07 | 11.40 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.06 |
| 1.10 | 6.87829 | 30.29 | 0.00 | 3.59 | 4.87 | 0.00 | 1.34 | 0.07 | 10.45 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.06 |
| 1.00 | 6.87829 | 30.27 | 0.00 | 3.59 | 4.84 | 0.00 | 1.34 | 0.07 | 9.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.06 |
| 0.90 | 6.87829 | 30.26 | 0.00 | 3.58 | 4.80 | 0.00 | 1.34 | 0.07 | 8.55 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.05 |
| 0.80 | 6.87829 | 30.24 | 0.00 | 3.57 | 4.77 | 0.00 | 1.34 | 0.07 | 7.60 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.05 |
| 0.70 | 6.87829 | 30.22 | 0.00 | 3.57 | 4.74 | 0.00 | 1.34 | 0.07 | 6.65 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.05 |
| 0.60 | 6.87829 | 30.20 | 0.00 | 3.56 | 4.71 | 0.00 | 1.34 | 0.07 | 5.70 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.04 |
| 0.50 | 6.87829 | 30.19 | 0.00 | 3.55 | 4.68 | 0.00 | 1.34 | 0.07 | 4.75 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.04 |
| 0.40 | 6.87829 | 30.17 | 0.00 | 3.54 | 4.65 | 0.00 | 1.34 | 0.07 | 3.80 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.04 |
| 0.30 | 6.87829 | 30.15 | 0.00 | 3.53 | 4.62 | 0.00 | 1.34 | 0.07 | 2.85 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.03 |
| 0.20 | 6.87829 | 30.14 | 0.00 | 3.52 | 4.59 | 0.00 | 1.34 | 0.07 | 1.90 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.03 |
| 0.10 | 6.87829 | 30.12 | 0.00 | 3.51 | 4.56 | 0.00 | 1.34 | 0.07 | 0.95 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.03 |
| 0.00 | 6.87829 | 30.10 | 0.00 | 3.50 | 4.53 | 0.00 | 1.34 | 0.07 | 0.00 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.02 |

CONDENSED CAPSULE SUMMARY FOR Lower Flat River

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| HDWTR | 1.97000 | 31.50 | 0.00 | 5.50 | 12.00 | 0.00 | 1.40 | 0.03 | 0.00 | | | | | | | |
| 4.30 | 1.97000 | 30.51 | 0.00 | 5.32 | 11.83 | 0.00 | 1.40 | 0.03 | 0.86 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.43 | 2.52 |
| 4.20 | 1.97000 | 30.51 | 0.00 | 5.15 | 11.66 | 0.00 | 1.40 | 0.03 | 1.73 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.43 | 2.52 |
| 4.10 | 1.97000 | 30.52 | 0.00 | 4.99 | 11.49 | 0.00 | 1.40 | 0.03 | 2.59 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 4.00 | 1.97000 | 30.53 | 0.00 | 4.84 | 11.32 | 0.00 | 1.40 | 0.03 | 3.45 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 3.90 | 1.97000 | 30.53 | 0.00 | 4.70 | 11.16 | 0.00 | 1.40 | 0.03 | 4.32 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 3.80 | 1.97000 | 30.54 | 0.00 | 4.57 | 11.00 | 0.00 | 1.40 | 0.03 | 5.18 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.52 |
| 3.70 | 1.97000 | 30.55 | 0.00 | 4.45 | 10.84 | 0.00 | 1.40 | 0.03 | 6.05 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.53 |
| 3.60 | 1.97000 | 30.55 | 0.00 | 4.33 | 10.68 | 0.00 | 1.40 | 0.04 | 6.91 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.53 |
| 3.50 | 1.97000 | 30.56 | 0.00 | 4.23 | 10.53 | 0.00 | 1.40 | 0.04 | 7.77 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.53 |
| 3.40 | 1.97000 | 30.57 | 0.00 | 4.13 | 10.38 | 0.00 | 1.40 | 0.04 | 8.64 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 3.30 | 1.97000 | 30.58 | 0.00 | 4.05 | 10.23 | 0.00 | 1.40 | 0.04 | 9.50 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 3.20 | 1.97000 | 30.58 | 0.00 | 3.97 | 10.08 | 0.00 | 1.40 | 0.04 | 10.36 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 3.10 | 1.97000 | 30.59 | 0.00 | 3.89 | 9.93 | 0.00 | 1.40 | 0.04 | 11.23 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 3.00 | 1.97000 | 30.60 | 0.00 | 3.82 | 9.79 | 0.00 | 1.40 | 0.04 | 12.09 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 2.90 | 1.97000 | 30.60 | 0.00 | 3.76 | 9.65 | 0.00 | 1.40 | 0.04 | 12.95 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 2.80 | 1.97000 | 30.61 | 0.00 | 3.71 | 9.51 | 0.00 | 1.40 | 0.04 | 13.82 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.70 | 1.97000 | 30.62 | 0.00 | 3.66 | 9.37 | 0.00 | 1.41 | 0.04 | 14.68 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.60 | 1.97000 | 30.62 | 0.00 | 3.62 | 9.23 | 0.00 | 1.41 | 0.04 | 15.55 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.50 | 1.97000 | 30.63 | 0.00 | 3.58 | 9.10 | 0.00 | 1.41 | 0.04 | 16.41 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.40 | 1.97000 | 30.64 | 0.00 | 3.55 | 8.97 | 0.00 | 1.41 | 0.04 | 17.27 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.30 | 1.97000 | 30.64 | 0.00 | 3.52 | 8.84 | 0.00 | 1.41 | 0.04 | 18.14 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.20 | 1.97000 | 30.65 | 0.00 | 3.50 | 8.71 | 0.00 | 1.41 | 0.04 | 19.00 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.10 | 1.97000 | 30.66 | 0.00 | 3.48 | 8.58 | 0.00 | 1.41 | 0.04 | 19.86 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 2.00 | 1.97000 | 30.66 | 0.00 | 3.47 | 8.46 | 0.00 | 1.41 | 0.04 | 20.73 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 1.90 | 1.97000 | 30.67 | 0.00 | 3.46 | 8.34 | 0.00 | 1.41 | 0.04 | 21.59 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.80 | 1.97000 | 30.68 | 0.00 | 3.45 | 8.22 | 0.00 | 1.41 | 0.05 | 22.45 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.70 | 1.97000 | 30.68 | 0.00 | 3.45 | 8.10 | 0.00 | 1.41 | 0.05 | 23.32 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.60 | 1.97000 | 30.69 | 0.00 | 3.45 | 7.98 | 0.00 | 1.41 | 0.05 | 24.18 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.50 | 1.97000 | 30.70 | 0.00 | 3.46 | 7.86 | 0.00 | 1.41 | 0.05 | 25.05 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.40 | 1.97000 | 30.70 | 0.00 | 3.47 | 7.75 | 0.00 | 1.41 | 0.05 | 25.91 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.30 | 1.97000 | 30.71 | 0.00 | 3.48 | 7.64 | 0.00 | 1.41 | 0.05 | 26.77 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.20 | 1.97000 | 30.72 | 0.00 | 3.49 | 7.52 | 0.00 | 1.41 | 0.05 | 27.64 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.10 | 1.97000 | 30.73 | 0.00 | 3.51 | 7.41 | 0.00 | 1.41 | 0.05 | 28.50 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 1.00 | 1.97000 | 30.73 | 0.00 | 3.53 | 7.31 | 0.00 | 1.41 | 0.05 | 29.36 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.56 |
| 0.90 | 1.97000 | 30.74 | 0.00 | 3.56 | 7.20 | 0.00 | 1.41 | 0.05 | 30.23 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.56 |
| 0.80 | 1.97000 | 30.75 | 0.00 | 3.58 | 7.10 | 0.00 | 1.41 | 0.05 | 31.09 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.56 |
| 0.70 | 1.97000 | 30.75 | 0.00 | 3.61 | 6.99 | 0.00 | 1.41 | 0.05 | 31.95 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 0.60 | 1.97000 | 30.76 | 0.00 | 3.64 | 6.89 | 0.00 | 1.41 | 0.05 | 32.82 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 0.50 | 1.97000 | 30.77 | 0.00 | 3.68 | 6.79 | 0.00 | 1.41 | 0.05 | 33.68 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 0.40 | 1.97000 | 30.77 | 0.00 | 3.71 | 6.69 | 0.00 | 1.41 | 0.05 | 34.55 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 0.30 | 1.97000 | 30.78 | 0.00 | 3.75 | 6.59 | 0.00 | 1.41 | 0.05 | 35.41 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 0.20 | 1.97000 | 30.79 | 0.00 | 3.79 | 6.50 | 0.00 | 1.41 | 0.05 | 36.27 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 0.10 | 1.97000 | 30.79 | 0.00 | 3.83 | 6.40 | 0.00 | 1.41 | 0.05 | 37.14 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.57 |
| 0.00 | 1.97000 | 30.80 | 0.00 | 3.87 | 6.31 | 0.00 | 1.41 | 0.05 | 38.00 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.57 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | CHLA m | DISP m | ADVEC MEAN DEPTH m/s | WIDTH m/s | DO mg/L | REAER 1/da | BOD1 VELO 1/da | BOD1 VELO 1/da | BOD2 SAT 1/da | BOD2 RATE 1/da | NH3 DECA g/m≤/d | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | HDWTR | | 0.095 | 24.6 | 0.0 | 4.1 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | | | | | | | | | | | | | |
| WASTELOAD # 001 (LA0003034) ENTERS HERE WITHOUT ANY FLOW | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | B1 | 1 | 55.50 | 0.095 | 24.7 | 0.0 | 4.2 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.3 | 10.952 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.94 |
| 2 | B1 | 1 | 55.40 | 0.095 | 24.9 | 0.0 | 4.3 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.3 | 10.981 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.95 |
| 3 | B1 | 1 | 55.30 | 0.095 | 25.0 | 0.0 | 4.5 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.3 | 11.011 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.96 |
| 4 | B1 | 1 | 55.20 | 0.095 | 25.2 | 0.0 | 4.6 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.2 | 11.041 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.97 |
| 5 | B1 | 1 | 55.10 | 0.095 | 25.3 | 0.0 | 4.7 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.2 | 11.071 | 0.17 | 0.00 | 0.00 | 0.00 | 0.28 | 0.98 |
| 6 | B1 | 1 | 55.00 | 0.095 | 25.5 | 0.0 | 4.8 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.2 | 11.100 | 0.17 | 0.00 | 0.00 | 0.00 | 0.28 | 0.99 |
| 7 | B1 | 1 | 54.90 | 0.095 | 25.6 | 0.0 | 4.9 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.2 | 11.130 | 0.17 | 0.00 | 0.00 | 0.00 | 0.28 | 1.00 |
| 8 | B1 | 1 | 54.80 | 0.095 | 25.8 | 0.0 | 5.0 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.1 | 11.160 | 0.17 | 0.00 | 0.00 | 0.00 | 0.29 | 1.01 |
| 9 | B1 | 1 | 54.70 | 0.095 | 25.9 | 0.0 | 5.1 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.1 | 11.190 | 0.17 | 0.00 | 0.00 | 0.00 | 0.29 | 1.02 |
| 10 | B1 | 1 | 54.60 | 0.095 | 26.1 | 0.0 | 5.1 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.1 | 11.220 | 0.17 | 0.00 | 0.00 | 0.00 | 0.30 | 1.03 |
| 11 | B1 | 1 | 54.50 | 0.095 | 26.2 | 0.0 | 5.2 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.1 | 11.250 | 0.17 | 0.00 | 0.00 | 0.00 | 0.30 | 1.04 |
| 12 | B1 | 1 | 54.40 | 0.095 | 26.4 | 0.0 | 5.3 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.1 | 11.280 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 1.04 |
| 13 | B1 | 1 | 54.30 | 0.095 | 26.5 | 0.0 | 5.4 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.0 | 11.309 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 1.05 |
| 14 | B1 | 1 | 54.20 | 0.095 | 26.7 | 0.0 | 5.4 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.0 | 11.340 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.06 |
| 15 | B1 | 1 | 54.10 | 0.095 | 26.8 | 0.0 | 5.5 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.0 | 11.370 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.07 |
| 16 | B1 | 1 | 54.00 | 0.095 | 26.9 | 0.0 | 5.6 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.0 | 11.400 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 1.08 |
| 17 | B1 | 1 | 53.90 | 0.095 | 27.1 | 0.0 | 5.7 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 8.0 | 11.429 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 1.09 |
| 18 | B1 | 1 | 53.80 | 0.095 | 27.2 | 0.0 | 5.7 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.9 | 11.459 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 1.10 |
| 19 | B1 | 1 | 53.70 | 0.095 | 27.4 | 0.0 | 5.8 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.9 | 11.490 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 1.11 |
| 20 | B1 | 1 | 53.60 | 0.095 | 27.5 | 0.0 | 5.8 | 4.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.9 | 11.520 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 1.12 |
| 21 | B1 | 1 | 53.50 | 0.095 | 27.7 | 0.0 | 5.9 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.9 | 11.550 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 1.14 |
| 22 | B1 | 1 | 53.40 | 0.095 | 27.8 | 0.0 | 5.9 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.9 | 11.580 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 1.15 |
| 23 | B1 | 1 | 53.30 | 0.095 | 28.0 | 0.0 | 6.0 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.8 | 11.610 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 1.16 |
| 24 | B1 | 1 | 53.20 | 0.095 | 28.1 | 0.0 | 6.0 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.8 | 11.640 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 1.17 |
| 25 | B1 | 1 | 53.10 | 0.095 | 28.3 | 0.0 | 6.1 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.8 | 11.670 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 1.18 |
| 26 | B1 | 1 | 53.00 | 0.095 | 28.4 | 0.0 | 6.1 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.8 | 11.700 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 1.19 |
| 27 | B1 | 1 | 52.90 | 0.095 | 28.6 | 0.0 | 6.2 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.8 | 11.731 | 0.19 | 0.00 | 0.00 | 0.00 | 0.38 | 1.20 |
| 28 | B1 | 1 | 52.80 | 0.095 | 28.7 | 0.0 | 6.2 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.7 | 11.761 | 0.19 | 0.00 | 0.00 | 0.00 | 0.38 | 1.21 |
| 29 | B1 | 1 | 52.70 | 0.095 | 28.9 | 0.0 | 6.2 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.7 | 11.791 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.22 |
| 30 | B1 | 1 | 52.60 | 0.095 | 29.0 | 0.0 | 6.3 | 4.6 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.25 | 1.0 | 0.379 | 0.379 | 7.7 | 11.822 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 31 | B2 | 2 | 52.50 | 0.101 | 29.0 | 0.0 | 6.0 | 4.8 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.010 | 0.010 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 32 | B2 | 2 | 52.40 | 0.107 | 29.0 | 0.0 | 5.8 | 5.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.011 | 0.011 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 33 | B2 | 2 | 52.30 | 0.113 | 29.0 | 0.0 | 5.7 | 5.1 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.011 | 0.011 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 1.23 |
| 34 | B2 | 2 | 52.20 | 0.119 | 29.0 | 0.0 | 5.5 | 5.2 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.012 | 0.012 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 35 | B2 | 2 | 52.10 | 0.126 | 29.0 | 0.0 | 5.4 | 5.3 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.013 | 0.013 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 36 | B2 | 2 | 52.00 | 0.132 | 29.0 | 0.0 | 5.3 | 5.4 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.013 | 0.013 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 37 | B2 | 2 | 51.90 | 0.138 | 29.0 | 0.0 | 5.2 | 5.5 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.014 | 0.014 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 38 | B2 | 2 | 51.80 | 0.144 | 29.0 | 0.0 | 5.2 | 5.6 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.014 | 0.014 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 39 | B2 | 2 | 51.70 | 0.150 | 29.0 | 0.0 | 5.1 | 5.6 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.015 | 0.015 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 40 | B2 | 2 | 51.60 | 0.156 | 29.0 | 0.0 | 5.0 | 5.7 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.016 | 0.016 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 1.23 |
| 41 | B2 | 2 | 51.50 | 0.163 | 29.0 | 0.0 | 5.0 | 5.7 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.016 | 0.016 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 42 | B2 | 2 | 51.40 | 0.169 | 29.0 | 0.0 | 4.9 | 5.8 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.017 | 0.017 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | B2 | 2 | 51.30 | 0.175 | 29.0 | 0.0 | 4.9 | 5.8 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.017 | 0.017 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 44 | B2 | 2 | 51.20 | 0.181 | 29.0 | 0.0 | 4.9 | 5.9 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.018 | 0.018 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 45 | B2 | 2 | 51.10 | 0.187 | 29.0 | 0.0 | 4.8 | 5.9 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.019 | 0.019 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 46 | B2 | 2 | 51.00 | 0.193 | 29.0 | 0.0 | 4.8 | 6.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.019 | 0.019 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 47 | B2 | 2 | 50.90 | 0.199 | 29.0 | 0.0 | 4.8 | 6.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.020 | 0.020 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 48 | B2 | 2 | 50.80 | 0.206 | 29.0 | 0.0 | 4.8 | 6.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.021 | 0.021 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 49 | B2 | 2 | 50.70 | 0.212 | 29.0 | 0.0 | 4.7 | 6.1 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.021 | 0.021 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 50 | B2 | 2 | 50.60 | 0.218 | 29.0 | 0.0 | 4.7 | 6.1 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.022 | 0.022 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 51 | B2 | 2 | 50.50 | 0.224 | 29.0 | 0.0 | 4.7 | 6.1 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.022 | 0.022 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 52 | B2 | 2 | 50.40 | 0.230 | 29.0 | 0.0 | 4.7 | 6.1 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.023 | 0.023 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 53 | B2 | 2 | 50.30 | 0.236 | 29.0 | 0.0 | 4.7 | 6.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.024 | 0.024 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 54 | B2 | 2 | 50.20 | 0.243 | 29.0 | 0.0 | 4.6 | 6.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.024 | 0.024 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 55 | B2 | 2 | 50.10 | 0.249 | 29.0 | 0.0 | 4.6 | 6.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.025 | 0.025 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 56 | B2 | 2 | 50.00 | 0.255 | 29.0 | 0.0 | 4.6 | 6.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.025 | 0.025 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 57 | B2 | 2 | 49.90 | 0.261 | 29.0 | 0.0 | 4.6 | 6.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.026 | 0.026 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 58 | B2 | 2 | 49.80 | 0.267 | 29.0 | 0.0 | 4.6 | 6.3 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.027 | 0.027 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 59 | B2 | 2 | 49.70 | 0.273 | 29.0 | 0.0 | 4.6 | 6.3 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.027 | 0.027 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 60 | B2 | 2 | 49.60 | 0.279 | 29.0 | 0.0 | 4.6 | 6.3 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.028 | 0.028 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 61 | B2 | 2 | 49.50 | 0.286 | 29.0 | 0.0 | 4.6 | 6.3 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.029 | 0.029 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 62 | B2 | 2 | 49.40 | 0.292 | 29.0 | 0.0 | 4.6 | 6.3 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.029 | 0.029 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 63 | B2 | 2 | 49.30 | 0.298 | 29.0 | 0.0 | 4.5 | 6.3 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.030 | 0.030 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 64 | B2 | 2 | 49.20 | 0.304 | 29.0 | 0.0 | 4.5 | 6.3 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.030 | 0.030 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 65 | B2 | 2 | 49.10 | 0.310 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.031 | 0.031 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 66 | B2 | 2 | 49.00 | 0.316 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.032 | 0.032 | 7.7 | 0.828 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 67 | B2 | 2 | 48.90 | 0.323 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.032 | 0.032 | 7.7 | 0.835 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 68 | B2 | 2 | 48.80 | 0.329 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.033 | 0.033 | 7.7 | 0.843 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 69 | B2 | 2 | 48.70 | 0.335 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.033 | 0.033 | 7.7 | 0.851 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 70 | B2 | 2 | 48.60 | 0.341 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.034 | 0.034 | 7.7 | 0.858 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 71 | B2 | 2 | 48.50 | 0.347 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.035 | 0.035 | 7.7 | 0.866 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 72 | B2 | 2 | 48.40 | 0.353 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.035 | 0.035 | 7.7 | 0.874 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | CHLA m | MEAN DISP m | ADVEC VELO m/s | DEPTH m | WIDTH m | DO REAER mg/L | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SAT RATE g/m≤/d | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | B2 2 | 48.30 | 0.360 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.036 | 0.036 | 7.7 | 0.881 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 74 | B2 2 | 48.20 | 0.366 | 29.0 | 0.0 | 4.5 | 6.4 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.037 | 0.037 | 7.7 | 0.889 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 75 | B2 2 | 48.10 | 0.372 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.037 | 0.037 | 7.7 | 0.896 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 76 | B2 2 | 48.00 | 0.378 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.038 | 0.038 | 7.7 | 0.904 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 77 | B2 2 | 47.90 | 0.384 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.038 | 0.038 | 7.7 | 0.911 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 78 | B2 2 | 47.80 | 0.390 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.039 | 0.039 | 7.7 | 0.918 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 79 | B2 2 | 47.70 | 0.396 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.040 | 0.040 | 7.7 | 0.925 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 80 | B2 2 | 47.60 | 0.403 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.040 | 0.040 | 7.7 | 0.933 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 81 | B2 2 | 47.50 | 0.409 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.041 | 0.041 | 7.7 | 0.940 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 82 | B2 2 | 47.40 | 0.415 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.041 | 0.041 | 7.7 | 0.947 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 83 | B2 2 | 47.30 | 0.421 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.042 | 0.042 | 7.7 | 0.954 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 84 | B2 2 | 47.20 | 0.427 | 29.0 | 0.0 | 4.5 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.043 | 0.043 | 7.7 | 0.961 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 85 | B2 2 | 47.10 | 0.433 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.043 | 0.043 | 7.7 | 0.968 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 86 | B2 2 | 47.00 | 0.440 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.044 | 0.044 | 7.7 | 0.974 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 87 | B2 2 | 46.90 | 0.446 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.045 | 0.045 | 7.7 | 0.981 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 88 | B2 2 | 46.80 | 0.452 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.045 | 0.045 | 7.7 | 0.988 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 89 | B2 2 | 46.70 | 0.458 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.046 | 0.046 | 7.7 | 0.995 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 90 | B2 2 | 46.60 | 0.464 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.046 | 0.046 | 7.7 | 1.001 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 91 | B2 2 | 46.50 | 0.470 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.047 | 0.047 | 7.7 | 1.008 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 92 | B2 2 | 46.40 | 0.476 | 29.0 | 0.0 | 4.6 | 6.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.048 | 0.048 | 7.7 | 1.015 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 93 | B2 2 | 46.30 | 0.483 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.048 | 0.048 | 7.7 | 1.021 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 94 | B2 2 | 46.20 | 0.489 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.049 | 0.049 | 7.7 | 1.028 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 95 | B2 2 | 46.10 | 0.495 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.049 | 0.049 | 7.7 | 1.034 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 96 | B2 2 | 46.00 | 0.501 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.050 | 0.050 | 7.7 | 1.040 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 97 | B2 2 | 45.90 | 0.507 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.051 | 0.051 | 7.7 | 1.047 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 98 | B2 2 | 45.80 | 0.513 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.051 | 0.051 | 7.7 | 1.053 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 99 | B2 2 | 45.70 | 0.520 | 29.0 | 0.0 | 4.6 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.052 | 0.052 | 7.7 | 1.059 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 100 | B2 2 | 45.60 | 0.526 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.053 | 0.053 | 7.7 | 1.066 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 101 | B2 2 | 45.50 | 0.532 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.053 | 0.053 | 7.7 | 1.072 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 102 | B2 2 | 45.40 | 0.538 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.054 | 0.054 | 7.7 | 1.078 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 103 | B2 2 | 45.30 | 0.544 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.054 | 0.054 | 7.7 | 1.084 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 104 | B2 2 | 45.20 | 0.550 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.055 | 0.055 | 7.7 | 1.090 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 105 | B2 2 | 45.10 | 0.556 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.056 | 0.056 | 7.7 | 1.096 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 106 | B2 2 | 45.00 | 0.563 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.056 | 0.056 | 7.7 | 1.103 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 107 | B2 2 | 44.90 | 0.569 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.057 | 0.057 | 7.7 | 1.109 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 108 | B2 2 | 44.80 | 0.575 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.057 | 0.057 | 7.7 | 1.115 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 109 | B2 2 | 44.70 | 0.581 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.058 | 0.058 | 7.7 | 1.120 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 110 | B2 2 | 44.60 | 0.587 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.059 | 0.059 | 7.7 | 1.126 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 111 | B2 2 | 44.50 | 0.593 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.059 | 0.059 | 7.7 | 1.132 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 112 | B2 2 | 44.40 | 0.600 | 29.0 | 0.0 | 4.7 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.060 | 0.060 | 7.7 | 1.138 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 113 | B2 2 | 44.30 | 0.606 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.061 | 0.061 | 7.7 | 1.144 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 114 | B2 2 | 44.20 | 0.612 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.061 | 0.061 | 7.7 | 1.150 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 115 | B2 2 | 44.10 | 0.618 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.062 | 0.062 | 7.7 | 1.156 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 116 | B2 2 | 44.00 | 0.624 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.062 | 0.062 | 7.7 | 1.161 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | B2 | 2 | 43.90 | 0.630 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.063 | 0.063 | 7.7 | 1.167 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 118 | B2 | 2 | 43.80 | 0.636 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.064 | 0.064 | 7.7 | 1.173 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 119 | B2 | 2 | 43.70 | 0.643 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.064 | 0.064 | 7.7 | 1.178 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 120 | B2 | 2 | 43.60 | 0.649 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.065 | 0.065 | 7.7 | 1.184 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 121 | B2 | 2 | 43.50 | 0.655 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.065 | 0.065 | 7.7 | 1.190 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 122 | B2 | 2 | 43.40 | 0.661 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.066 | 0.066 | 7.7 | 1.195 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 123 | B2 | 2 | 43.30 | 0.667 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.067 | 0.067 | 7.7 | 1.201 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 124 | B2 | 2 | 43.20 | 0.673 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.067 | 0.067 | 7.7 | 1.206 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| 125 | B2 | 2 | 43.10 | 0.680 | 29.0 | 0.0 | 4.8 | 6.6 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 1.00 | 10.0 | 0.068 | 0.068 | 7.7 | 1.212 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 1.23 |
| TRIBUTARY # 126 (Bayou Poydras #1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 229 | CH | 5 | 43.00 | 0.937 | 29.1 | 0.0 | 4.3 | 13.2 | 0.0 | 1.8 | 0.1 | 1.5 | 0.0 | 2.40 | 34.0 | 0.011 | 0.011 | 7.7 | 0.345 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 5.31 |
| WASTELOAD # 230 (Stumpy Bayou) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230 | CH | 5 | 42.90 | 1.316 | 29.1 | 0.0 | 3.9 | 12.3 | 0.0 | 1.6 | 0.1 | 3.1 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.7 | 0.345 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 5.32 |
| 231 | CH | 5 | 42.80 | 1.316 | 29.2 | 0.0 | 3.7 | 12.3 | 0.0 | 1.6 | 0.1 | 4.6 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.7 | 0.346 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 5.34 |
| 232 | CH | 5 | 42.70 | 1.316 | 29.2 | 0.0 | 3.6 | 12.3 | 0.0 | 1.6 | 0.1 | 6.1 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.7 | 0.346 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 5.36 |
| 233 | CH | 5 | 42.60 | 1.316 | 29.3 | 0.0 | 3.4 | 12.4 | 0.0 | 1.5 | 0.1 | 7.7 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.7 | 0.346 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 5.38 |
| 234 | CH | 5 | 42.50 | 1.316 | 29.3 | 0.0 | 3.2 | 12.4 | 0.0 | 1.5 | 0.1 | 9.2 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.347 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 5.40 |
| 235 | CH | 5 | 42.40 | 1.316 | 29.4 | 0.0 | 3.1 | 12.4 | 0.0 | 1.5 | 0.1 | 10.7 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.347 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 5.41 |
| 236 | CH | 5 | 42.30 | 1.316 | 29.4 | 0.0 | 2.9 | 12.4 | 0.0 | 1.5 | 0.1 | 12.3 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.347 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 5.43 |
| 237 | CH | 5 | 42.20 | 1.316 | 29.5 | 0.0 | 2.8 | 12.4 | 0.0 | 1.5 | 0.1 | 13.8 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.348 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 5.45 |
| 238 | CH | 5 | 42.10 | 1.316 | 29.5 | 0.0 | 2.7 | 12.4 | 0.0 | 1.5 | 0.1 | 15.3 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.348 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 5.47 |
| 239 | CH | 5 | 42.00 | 1.316 | 29.6 | 0.0 | 2.6 | 12.5 | 0.0 | 1.5 | 0.1 | 16.9 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.348 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 5.49 |
| 240 | CH | 5 | 41.90 | 1.316 | 29.6 | 0.0 | 2.5 | 12.5 | 0.0 | 1.5 | 0.1 | 18.4 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.349 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 5.51 |
| 241 | CH | 5 | 41.80 | 1.316 | 29.7 | 0.0 | 2.4 | 12.5 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.349 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 5.52 |
| 242 | CH | 5 | 41.70 | 1.316 | 29.7 | 0.0 | 2.3 | 12.5 | 0.0 | 1.5 | 0.1 | 21.5 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.349 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.54 |
| 243 | CH | 5 | 41.60 | 1.316 | 29.8 | 0.0 | 2.3 | 12.5 | 0.0 | 1.5 | 0.1 | 23.0 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.350 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.56 |
| 244 | CH | 5 | 41.50 | 1.316 | 29.9 | 0.0 | 2.2 | 12.5 | 0.0 | 1.5 | 0.1 | 24.6 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.350 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.58 |
| 245 | CH | 5 | 41.40 | 1.316 | 29.9 | 0.0 | 2.2 | 12.5 | 0.0 | 1.5 | 0.1 | 26.1 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.350 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.60 |
| 246 | CH | 5 | 41.30 | 1.316 | 30.0 | 0.0 | 2.1 | 12.5 | 0.0 | 1.5 | 0.1 | 27.6 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.351 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.62 |
| 247 | CH | 5 | 41.20 | 1.316 | 30.0 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 29.2 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.6 | 0.351 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.64 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m≤/s | MEAN m | DO m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | NH3 1/da | SAT 1/da | RATE 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 248 | CH 5 | 41.10 | 1.316 | 30.1 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 30.7 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.351 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 5.66 |
| 249 | CH 5 | 41.00 | 1.316 | 30.1 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 32.2 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.352 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.68 |
| 250 | CH 5 | 40.90 | 1.316 | 30.2 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 33.8 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.352 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.69 |
| 251 | CH 5 | 40.80 | 1.316 | 30.2 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 35.3 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.352 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.71 |
| 252 | CH 5 | 40.70 | 1.316 | 30.3 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 36.8 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.353 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.73 |
| 253 | CH 5 | 40.60 | 1.316 | 30.3 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 38.4 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.353 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 5.75 |
| 254 | CH 5 | 40.50 | 1.316 | 30.4 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 39.9 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.353 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 5.77 |
| 255 | CH 5 | 40.40 | 1.316 | 30.4 | 0.0 | 2.1 | 12.6 | 0.0 | 1.5 | 0.1 | 41.4 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.354 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 5.79 |
| 256 | CH 5 | 40.30 | 1.316 | 30.5 | 0.0 | 2.2 | 12.6 | 0.0 | 1.5 | 0.1 | 43.0 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.354 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 5.81 |
| 257 | CH 5 | 40.20 | 1.316 | 30.6 | 0.0 | 2.2 | 12.6 | 0.0 | 1.5 | 0.1 | 44.5 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.354 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 5.83 |
| 258 | CH 5 | 40.10 | 1.316 | 30.6 | 0.0 | 2.3 | 12.6 | 0.0 | 1.5 | 0.1 | 46.0 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.355 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 5.85 |
| 259 | CH 5 | 40.00 | 1.316 | 30.7 | 0.0 | 2.4 | 12.6 | 0.0 | 1.5 | 0.1 | 47.6 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.355 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 5.87 |
| 260 | CH 5 | 39.90 | 1.316 | 30.7 | 0.0 | 2.4 | 12.7 | 0.0 | 1.5 | 0.1 | 49.1 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.355 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 5.89 |
| 261 | CH 5 | 39.80 | 1.316 | 30.8 | 0.0 | 2.5 | 12.7 | 0.0 | 1.5 | 0.1 | 50.7 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.355 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 5.91 |
| 262 | CH 5 | 39.70 | 1.316 | 30.8 | 0.0 | 2.6 | 12.7 | 0.0 | 1.5 | 0.1 | 52.2 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.5 | 0.356 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 5.93 |
| 263 | CH 5 | 39.60 | 1.316 | 30.9 | 0.0 | 2.7 | 12.7 | 0.0 | 1.5 | 0.1 | 53.7 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.356 | 0.18 | 0.00 | 0.00 | 0.00 | 0.36 | 5.95 |
| 264 | CH 5 | 39.50 | 1.316 | 30.9 | 0.0 | 2.8 | 12.7 | 0.0 | 1.5 | 0.1 | 55.3 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.356 | 0.18 | 0.00 | 0.00 | 0.00 | 0.37 | 5.97 |
| 265 | CH 5 | 39.40 | 1.316 | 31.0 | 0.0 | 2.9 | 12.7 | 0.0 | 1.5 | 0.1 | 56.8 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.357 | 0.18 | 0.00 | 0.00 | 0.00 | 0.37 | 5.99 |
| 266 | CH 5 | 39.30 | 1.316 | 31.0 | 0.0 | 3.0 | 12.7 | 0.0 | 1.5 | 0.1 | 58.3 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.357 | 0.18 | 0.00 | 0.00 | 0.00 | 0.38 | 6.01 |
| 267 | CH 5 | 39.20 | 1.316 | 31.1 | 0.0 | 3.1 | 12.7 | 0.0 | 1.5 | 0.1 | 59.9 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.357 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 6.03 |
| 268 | CH 5 | 39.10 | 1.316 | 31.1 | 0.0 | 3.2 | 12.7 | 0.0 | 1.5 | 0.1 | 61.4 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.358 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 6.05 |
| 269 | CH 5 | 39.00 | 1.316 | 31.2 | 0.0 | 3.3 | 12.7 | 0.0 | 1.5 | 0.1 | 62.9 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.358 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 6.07 |
| 270 | CH 5 | 38.90 | 1.316 | 31.2 | 0.0 | 3.4 | 12.7 | 0.0 | 1.5 | 0.1 | 64.5 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.358 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 6.09 |
| WASTELOAD # 271 (LAG530786) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 271 | CH 5 | 38.80 | 1.317 | 31.3 | 0.0 | 3.6 | 12.7 | 0.0 | 1.4 | 0.1 | 66.0 | 0.0 | 2.40 | 34.0 | 0.016 | 0.016 | 7.4 | 0.359 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 6.11 |
| TRIBUTARY # 272 (Chamberlin Canal #1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 347 | CW 8 | 38.70 | 1.326 | 31.3 | 0.0 | 4.0 | 12.6 | 0.0 | 1.4 | 0.1 | 65.1 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 2.04 |
| 348 | CW 8 | 38.60 | 1.326 | 31.3 | 0.0 | 4.3 | 12.5 | 0.0 | 1.4 | 0.1 | 64.2 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 2.03 |
| 349 | CW 8 | 38.50 | 1.326 | 31.3 | 0.0 | 4.7 | 12.5 | 0.0 | 1.4 | 0.1 | 63.3 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 2.03 |
| 350 | CW 8 | 38.40 | 1.326 | 31.3 | 0.0 | 5.0 | 12.4 | 0.0 | 1.4 | 0.1 | 62.4 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 2.03 |
| 351 | CW 8 | 38.30 | 1.326 | 31.2 | 0.0 | 5.3 | 12.4 | 0.0 | 1.4 | 0.1 | 61.5 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 2.03 |
| 352 | CW 8 | 38.20 | 1.326 | 31.2 | 0.0 | 5.6 | 12.3 | 0.0 | 1.4 | 0.1 | 60.6 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 2.03 |
| 353 | CW 8 | 38.10 | 1.326 | 31.2 | 0.0 | 5.8 | 12.3 | 0.0 | 1.4 | 0.1 | 59.7 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 2.03 |
| 354 | CW 8 | 38.00 | 1.326 | 31.2 | 0.0 | 6.1 | 12.3 | 0.0 | 1.4 | 0.1 | 58.8 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 355 | CW 8 | 37.90 | 1.326 | 31.2 | 0.0 | 6.3 | 12.2 | 0.0 | 1.4 | 0.1 | 57.9 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 356 | CW 8 | 37.80 | 1.326 | 31.2 | 0.0 | 6.5 | 12.2 | 0.0 | 1.4 | 0.1 | 57.0 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 357 | CW 8 | 37.70 | 1.326 | 31.2 | 0.0 | 6.7 | 12.1 | 0.0 | 1.4 | 0.1 | 56.1 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 2.02 |
| 358 | CW 8 | 37.60 | 1.326 | 31.2 | 0.0 | 6.9 | 12.1 | 0.0 | 1.4 | 0.1 | 55.2 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.02 |
| 359 | CW 8 | 37.50 | 1.326 | 31.1 | 0.0 | 7.1 | 12.1 | 0.0 | 1.4 | 0.1 | 54.2 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.02 |
| 360 | CW 8 | 37.40 | 1.326 | 31.1 | 0.0 | 7.3 | 12.0 | 0.0 | 1.4 | 0.1 | 53.3 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.02 |
| 361 | CW 8 | 37.30 | 1.326 | 31.1 | 0.0 | 7.4 | 12.0 | 0.0 | 1.4 | 0.1 | 52.4 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.307 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 362 | CW 8 | 37.20 | 1.326 | 31.1 | 0.0 | 7.5 | 11.9 | 0.0 | 1.4 | 0.1 | 51.5 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 363 | CW 8 | 37.10 | 1.326 | 31.1 | 0.0 | 7.7 | 11.9 | 0.0 | 1.4 | 0.1 | 50.6 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| 364 | CW 8 | 37.00 | 1.326 | 31.1 | 0.0 | 7.8 | 11.9 | 0.0 | 1.4 | 0.1 | 49.7 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 365 | CW | 8 | 36.90 | 1.326 | 31.1 | 0.0 | 7.9 | 11.8 | 0.0 | 1.4 | 0.1 | 48.8 | 0.0 | 2.80 | 47.0 | 0.010 | 0.010 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| WASTELOAD # 366 (Unknown Trib #1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 366 | CW | 8 | 36.80 | 1.561 | 31.1 | 0.0 | 7.2 | 10.7 | 0.0 | 1.4 | 0.3 | 47.9 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.01 |
| WASTELOAD # 367 (PS 120103) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 367 | CW | 8 | 36.70 | 1.580 | 31.0 | 0.0 | 7.2 | 10.9 | 0.0 | 1.4 | 0.3 | 47.0 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 368 | CW | 8 | 36.60 | 1.580 | 31.0 | 0.0 | 7.3 | 10.9 | 0.0 | 1.4 | 0.3 | 46.1 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 369 | CW | 8 | 36.50 | 1.580 | 31.0 | 0.0 | 7.3 | 10.9 | 0.0 | 1.4 | 0.3 | 45.2 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 370 | CW | 8 | 36.40 | 1.580 | 31.0 | 0.0 | 7.4 | 10.9 | 0.0 | 1.4 | 0.3 | 44.3 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 371 | CW | 8 | 36.30 | 1.580 | 31.0 | 0.0 | 7.4 | 10.8 | 0.0 | 1.4 | 0.3 | 43.4 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 372 | CW | 8 | 36.20 | 1.580 | 31.0 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 42.5 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 373 | CW | 8 | 36.10 | 1.580 | 31.0 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 41.6 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 2.00 |
| 374 | CW | 8 | 36.00 | 1.580 | 31.0 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 40.7 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 1.99 |
| 375 | CW | 8 | 35.90 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 39.8 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 1.99 |
| 376 | CW | 8 | 35.80 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 38.9 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.306 | 0.18 | 0.00 | 0.00 | 0.00 | 0.48 | 1.99 |
| 377 | CW | 8 | 35.70 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 38.0 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.99 |
| 378 | CW | 8 | 35.60 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.4 | 0.2 | 37.1 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.99 |
| 379 | CW | 8 | 35.50 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.3 | 0.2 | 36.2 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.99 |
| 380 | CW | 8 | 35.40 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.3 | 0.2 | 35.3 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 381 | CW | 8 | 35.30 | 1.580 | 30.9 | 0.0 | 7.5 | 10.8 | 0.0 | 1.3 | 0.2 | 34.4 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 382 | CW | 8 | 35.20 | 1.580 | 30.9 | 0.0 | 7.4 | 10.8 | 0.0 | 1.3 | 0.2 | 33.5 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 383 | CW | 8 | 35.10 | 1.580 | 30.8 | 0.0 | 7.4 | 10.7 | 0.0 | 1.3 | 0.2 | 32.5 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.4 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 384 | CW | 8 | 35.00 | 1.580 | 30.8 | 0.0 | 7.4 | 10.7 | 0.0 | 1.3 | 0.2 | 31.6 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 385 | CW | 8 | 34.90 | 1.580 | 30.8 | 0.0 | 7.3 | 10.7 | 0.0 | 1.3 | 0.2 | 30.7 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.98 |
| 386 | CW | 8 | 34.80 | 1.580 | 30.8 | 0.0 | 7.3 | 10.7 | 0.0 | 1.3 | 0.2 | 29.8 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.97 |
| 387 | CW | 8 | 34.70 | 1.580 | 30.8 | 0.0 | 7.2 | 10.7 | 0.0 | 1.3 | 0.2 | 28.9 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.97 |
| 388 | CW | 8 | 34.60 | 1.580 | 30.8 | 0.0 | 7.2 | 10.7 | 0.0 | 1.3 | 0.2 | 28.0 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.47 | 1.97 |
| 389 | CW | 8 | 34.50 | 1.580 | 30.8 | 0.0 | 7.1 | 10.7 | 0.0 | 1.3 | 0.2 | 27.1 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 390 | CW | 8 | 34.40 | 1.580 | 30.8 | 0.0 | 7.1 | 10.7 | 0.0 | 1.3 | 0.1 | 26.2 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 391 | CW | 8 | 34.30 | 1.580 | 30.7 | 0.0 | 7.0 | 10.7 | 0.0 | 1.3 | 0.1 | 25.3 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |
| 392 | CW | 8 | 34.20 | 1.580 | 30.7 | 0.0 | 6.9 | 10.7 | 0.0 | 1.3 | 0.1 | 24.4 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.305 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.97 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | CHLA m | DISP m | ADVEC DEPTH m/s | MEAN WIDTH m/s | DO VELO mg/L | REAER VELO 1/da | BOD1 SAT 1/da | BOD1 RATE 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | NH3 SETT 1/da | SOD DECA g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 393 | CW 8 | 34.10 | 1.580 | 30.7 | 0.0 | 6.8 | 10.7 | 0.0 | 1.3 | 0.1 | 23.5 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.96 |
| 394 | CW 8 | 34.00 | 1.580 | 30.7 | 0.0 | 6.8 | 10.7 | 0.0 | 1.3 | 0.1 | 22.6 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.96 |
| 395 | CW 8 | 33.90 | 1.580 | 30.7 | 0.0 | 6.7 | 10.7 | 0.0 | 1.3 | 0.1 | 21.7 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.46 | 1.96 |
| 396 | CW 8 | 33.80 | 1.580 | 30.7 | 0.0 | 6.6 | 10.7 | 0.0 | 1.3 | 0.1 | 20.8 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 397 | CW 8 | 33.70 | 1.580 | 30.7 | 0.0 | 6.5 | 10.7 | 0.0 | 1.3 | 0.1 | 19.9 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 398 | CW 8 | 33.60 | 1.580 | 30.7 | 0.0 | 6.4 | 10.7 | 0.0 | 1.3 | 0.1 | 19.0 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 399 | CW 8 | 33.50 | 1.580 | 30.6 | 0.0 | 6.3 | 10.7 | 0.0 | 1.3 | 0.1 | 18.1 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.96 |
| 400 | CW 8 | 33.40 | 1.580 | 30.6 | 0.0 | 6.2 | 10.7 | 0.0 | 1.3 | 0.1 | 17.2 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.95 |
| 401 | CW 8 | 33.30 | 1.580 | 30.6 | 0.0 | 6.1 | 10.7 | 0.0 | 1.3 | 0.1 | 16.3 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.45 | 1.95 |
| 402 | CW 8 | 33.20 | 1.580 | 30.6 | 0.0 | 6.0 | 10.7 | 0.0 | 1.3 | 0.1 | 15.4 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 403 | CW 8 | 33.10 | 1.580 | 30.6 | 0.0 | 5.9 | 10.7 | 0.0 | 1.3 | 0.1 | 14.5 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 404 | CW 8 | 33.00 | 1.580 | 30.6 | 0.0 | 5.8 | 10.6 | 0.0 | 1.3 | 0.1 | 13.6 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 405 | CW 8 | 32.90 | 1.580 | 30.6 | 0.0 | 5.6 | 10.6 | 0.0 | 1.3 | 0.1 | 12.7 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.44 | 1.95 |
| 406 | CW 8 | 32.80 | 1.580 | 30.6 | 0.0 | 5.5 | 10.6 | 0.0 | 1.3 | 0.1 | 11.8 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 407 | CW 8 | 32.70 | 1.580 | 30.5 | 0.0 | 5.4 | 10.6 | 0.0 | 1.3 | 0.1 | 10.8 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 408 | CW 8 | 32.60 | 1.580 | 30.5 | 0.0 | 5.3 | 10.6 | 0.0 | 1.3 | 0.1 | 9.9 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.304 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 409 | CW 8 | 32.50 | 1.580 | 30.5 | 0.0 | 5.1 | 10.6 | 0.0 | 1.3 | 0.1 | 9.0 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.43 | 1.94 |
| 410 | CW 8 | 32.40 | 1.580 | 30.5 | 0.0 | 5.0 | 10.6 | 0.0 | 1.3 | 0.1 | 8.1 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 1.94 |
| 411 | CW 8 | 32.30 | 1.580 | 30.5 | 0.0 | 4.9 | 10.6 | 0.0 | 1.3 | 0.1 | 7.2 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 1.94 |
| 412 | CW 8 | 32.20 | 1.580 | 30.5 | 0.0 | 4.7 | 10.6 | 0.0 | 1.2 | 0.1 | 6.3 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.42 | 1.94 |
| 413 | CW 8 | 32.10 | 1.580 | 30.5 | 0.0 | 4.6 | 10.6 | 0.0 | 1.2 | 0.1 | 5.4 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 1.93 |
| 414 | CW 8 | 32.00 | 1.580 | 30.5 | 0.0 | 4.5 | 10.6 | 0.0 | 1.2 | 0.1 | 4.5 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 1.93 |
| 415 | CW 8 | 31.90 | 1.580 | 30.4 | 0.0 | 4.3 | 10.6 | 0.0 | 1.2 | 0.1 | 3.6 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 1.93 |
| 416 | CW 8 | 31.80 | 1.580 | 30.4 | 0.0 | 4.2 | 10.6 | 0.0 | 1.2 | 0.1 | 2.7 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 1.93 |
| 417 | CW 8 | 31.70 | 1.580 | 30.4 | 0.0 | 4.0 | 10.6 | 0.0 | 1.2 | 0.1 | 1.8 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.40 | 1.93 |
| 418 | CW 8 | 31.60 | 1.580 | 30.4 | 0.0 | 3.9 | 10.6 | 0.0 | 1.2 | 0.1 | 0.9 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 1.93 |
| 419 | CW 8 | 31.50 | 1.580 | 30.4 | 0.0 | 3.7 | 10.6 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 2.80 | 47.0 | 0.012 | 0.012 | 7.5 | 0.303 | 0.18 | 0.00 | 0.00 | 0.00 | 0.39 | 1.93 |
| TRIBUTARY # 420 (Intracoastal Waterwa) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 554 | I2 10 | 31.40 | 9.144 | 30.4 | 0.0 | 5.1 | 3.3 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.283 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 555 | I2 10 | 31.30 | 9.144 | 30.4 | 0.0 | 5.0 | 3.3 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.283 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 556 | I2 10 | 31.20 | 9.144 | 30.4 | 0.0 | 5.0 | 3.3 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.283 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 557 | I2 10 | 31.10 | 9.144 | 30.4 | 0.0 | 5.0 | 3.3 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 558 | I2 10 | 31.00 | 9.144 | 30.4 | 0.0 | 5.0 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 559 | I2 10 | 30.90 | 9.144 | 30.4 | 0.0 | 4.9 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 560 | I2 10 | 30.80 | 9.144 | 30.4 | 0.0 | 4.9 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.49 |
| 561 | I2 10 | 30.70 | 9.144 | 30.3 | 0.0 | 4.9 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.49 |
| 562 | I2 10 | 30.60 | 9.144 | 30.3 | 0.0 | 4.9 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 563 | I2 10 | 30.50 | 9.144 | 30.3 | 0.0 | 4.8 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 564 | I2 10 | 30.40 | 9.144 | 30.3 | 0.0 | 4.8 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 565 | I2 10 | 30.30 | 9.144 | 30.3 | 0.0 | 4.8 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| WASTELOAD # 566 (LAG531616) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 566 | I2 10 | 30.20 | 9.144 | 30.3 | 0.0 | 4.8 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 567 | I2 10 | 30.10 | 9.144 | 30.3 | 0.0 | 4.7 | 3.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 568 | I2 10 | 30.00 | 9.144 | 30.3 | 0.0 | 4.7 | 3.2 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 569 | I2 | 10 | 29.90 | 9.144 | 30.3 | 0.0 | 4.7 | 3.2 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 570 | I2 | 10 | 29.80 | 9.144 | 30.3 | 0.0 | 4.7 | 3.2 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 571 | I2 | 10 | 29.70 | 9.144 | 30.3 | 0.0 | 4.6 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 572 | I2 | 10 | 29.60 | 9.144 | 30.3 | 0.0 | 4.6 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 573 | I2 | 10 | 29.50 | 9.144 | 30.3 | 0.0 | 4.6 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 574 | I2 | 10 | 29.40 | 9.144 | 30.3 | 0.0 | 4.6 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 575 | I2 | 10 | 29.30 | 9.144 | 30.2 | 0.0 | 4.6 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.48 |
| 576 | I2 | 10 | 29.20 | 9.144 | 30.2 | 0.0 | 4.5 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.48 |
| 577 | I2 | 10 | 29.10 | 9.144 | 30.2 | 0.0 | 4.5 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.48 |
| 578 | I2 | 10 | 29.00 | 9.144 | 30.2 | 0.0 | 4.5 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 579 | I2 | 10 | 28.90 | 9.144 | 30.2 | 0.0 | 4.5 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 580 | I2 | 10 | 28.80 | 9.144 | 30.2 | 0.0 | 4.4 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 581 | I2 | 10 | 28.70 | 9.144 | 30.2 | 0.0 | 4.4 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 582 | I2 | 10 | 28.60 | 9.144 | 30.2 | 0.0 | 4.4 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 583 | I2 | 10 | 28.50 | 9.144 | 30.2 | 0.0 | 4.4 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 584 | I2 | 10 | 28.40 | 9.144 | 30.2 | 0.0 | 4.4 | 3.1 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 585 | I2 | 10 | 28.30 | 9.144 | 30.2 | 0.0 | 4.3 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 586 | I2 | 10 | 28.20 | 9.144 | 30.2 | 0.0 | 4.3 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 587 | I2 | 10 | 28.10 | 9.144 | 30.2 | 0.0 | 4.3 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.47 |
| 588 | I2 | 10 | 28.00 | 9.144 | 30.2 | 0.0 | 4.3 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.46 |
| 589 | I2 | 10 | 27.90 | 9.144 | 30.1 | 0.0 | 4.3 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 590 | I2 | 10 | 27.80 | 9.144 | 30.1 | 0.0 | 4.2 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 591 | I2 | 10 | 27.70 | 9.144 | 30.1 | 0.0 | 4.2 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 592 | I2 | 10 | 27.60 | 9.144 | 30.1 | 0.0 | 4.2 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 593 | I2 | 10 | 27.50 | 9.144 | 30.1 | 0.0 | 4.2 | 3.0 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 594 | I2 | 10 | 27.40 | 9.144 | 30.1 | 0.0 | 4.2 | 3.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 595 | I2 | 10 | 27.30 | 9.144 | 30.1 | 0.0 | 4.2 | 3.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 596 | I2 | 10 | 27.20 | 9.144 | 30.1 | 0.0 | 4.1 | 3.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.46 |
| 597 | I2 | 10 | 27.10 | 9.144 | 30.1 | 0.0 | 4.1 | 3.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 598 | I2 | 10 | 27.00 | 9.144 | 30.1 | 0.0 | 4.1 | 3.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m≤/s | MEAN m | DO m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | NH3 1/da | SAT 1/da | RATE 1/da | DECA g/m≤/d | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 599 | I2 10 | 26.90 | 9.144 | 30.1 | 0.0 | 4.1 | 3.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 600 | I2 10 | 26.80 | 9.144 | 30.1 | 0.0 | 4.1 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 601 | I2 10 | 26.70 | 9.144 | 30.1 | 0.0 | 4.1 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 602 | I2 10 | 26.60 | 9.144 | 30.1 | 0.0 | 4.0 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 603 | I2 10 | 26.50 | 9.144 | 30.0 | 0.0 | 4.0 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.45 |
| 604 | I2 10 | 26.40 | 9.144 | 30.0 | 0.0 | 4.0 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.45 |
| 605 | I2 10 | 26.30 | 9.144 | 30.0 | 0.0 | 4.0 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.45 |
| 606 | I2 10 | 26.20 | 9.144 | 30.0 | 0.0 | 4.0 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 607 | I2 10 | 26.10 | 9.144 | 30.0 | 0.0 | 4.0 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 608 | I2 10 | 26.00 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 609 | I2 10 | 25.90 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 610 | I2 10 | 25.80 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 611 | I2 10 | 25.70 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 612 | I2 10 | 25.60 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 613 | I2 10 | 25.50 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 614 | I2 10 | 25.40 | 9.144 | 30.0 | 0.0 | 3.9 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.44 |
| 615 | I2 10 | 25.30 | 9.144 | 30.0 | 0.0 | 3.8 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 616 | I2 10 | 25.20 | 9.144 | 30.0 | 0.0 | 3.8 | 2.9 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 617 | I2 10 | 25.10 | 9.144 | 29.9 | 0.0 | 3.8 | 2.8 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 618 | I2 10 | 25.00 | 9.144 | 29.9 | 0.0 | 3.8 | 2.8 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 619 | I2 10 | 24.90 | 9.144 | 29.9 | 0.0 | 3.8 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.38 | 2.43 |
| 620 | I2 10 | 24.80 | 9.144 | 29.9 | 0.0 | 3.8 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 621 | I2 10 | 24.70 | 9.144 | 29.9 | 0.0 | 3.8 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 622 | I2 10 | 24.60 | 9.144 | 29.9 | 0.0 | 3.8 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| WASTELOAD # 623 (Unknown Trib #2) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 623 | I2 10 | 24.50 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.43 |
| 624 | I2 10 | 24.40 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 625 | I2 10 | 24.30 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 626 | I2 10 | 24.20 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 627 | I2 10 | 24.10 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 628 | I2 10 | 24.00 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 629 | I2 10 | 23.90 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 630 | I2 10 | 23.80 | 9.144 | 29.9 | 0.0 | 3.7 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 631 | I2 10 | 23.70 | 9.144 | 29.9 | 0.0 | 3.6 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 632 | I2 10 | 23.60 | 9.144 | 29.8 | 0.0 | 3.6 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 633 | I2 10 | 23.50 | 9.144 | 29.8 | 0.0 | 3.6 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.42 |
| 634 | I2 10 | 23.40 | 9.144 | 29.8 | 0.0 | 3.6 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 635 | I2 10 | 23.30 | 9.144 | 29.8 | 0.0 | 3.6 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 636 | I2 10 | 23.20 | 9.144 | 29.8 | 0.0 | 3.6 | 2.8 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 637 | I2 10 | 23.10 | 9.144 | 29.8 | 0.0 | 3.6 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.41 |
| 638 | I2 10 | 23.00 | 9.144 | 29.8 | 0.0 | 3.6 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 639 | I2 10 | 22.90 | 9.144 | 29.8 | 0.0 | 3.6 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 640 | I2 10 | 22.80 | 9.144 | 29.8 | 0.0 | 3.5 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 641 | I2 10 | 22.70 | 9.144 | 29.8 | 0.0 | 3.5 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 642 | I2 | 10 | 22.60 | 9.144 | 29.8 | 0.0 | 3.5 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.41 |
| 643 | I2 | 10 | 22.50 | 9.144 | 29.8 | 0.0 | 3.5 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 644 | I2 | 10 | 22.40 | 9.144 | 29.8 | 0.0 | 3.5 | 2.7 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 645 | I2 | 10 | 22.30 | 9.144 | 29.8 | 0.0 | 3.5 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 646 | I2 | 10 | 22.20 | 9.144 | 29.7 | 0.0 | 3.5 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 647 | I2 | 10 | 22.10 | 9.144 | 29.7 | 0.0 | 3.5 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 648 | I2 | 10 | 22.00 | 9.144 | 29.7 | 0.0 | 3.5 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 649 | I2 | 10 | 21.90 | 9.144 | 29.7 | 0.0 | 3.5 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 650 | I2 | 10 | 21.80 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 651 | I2 | 10 | 21.70 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.40 |
| 652 | I2 | 10 | 21.60 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 653 | I2 | 10 | 21.50 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 654 | I2 | 10 | 21.40 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 655 | I2 | 10 | 21.30 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| WASTELOAD # 656 (Unknown Trib #3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 656 | I2 | 10 | 21.20 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 657 | I2 | 10 | 21.10 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.39 |
| 658 | I2 | 10 | 21.00 | 9.144 | 29.7 | 0.0 | 3.4 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 659 | I2 | 10 | 20.90 | 9.144 | 29.7 | 0.0 | 3.4 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 660 | I2 | 10 | 20.80 | 9.144 | 29.6 | 0.0 | 3.4 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 661 | I2 | 10 | 20.70 | 9.144 | 29.6 | 0.0 | 3.4 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.39 |
| 662 | I2 | 10 | 20.60 | 9.144 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 663 | I2 | 10 | 20.50 | 9.144 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 664 | I2 | 10 | 20.40 | 9.144 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 665 | I2 | 10 | 20.30 | 9.144 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| WASTELOAD # 666 (PS 120109#3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 666 | I2 | 10 | 20.20 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 667 | I2 | 10 | 20.10 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 668 | I2 | 10 | 20.00 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 669 | I2 | 10 | 19.90 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m≤/s | MEAN CHLA m | DO m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | NH3 1/da | SAT 1/da | RATE 1/da | DECA SETT DECA SETT DECA | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 670 | I2 10 | 19.80 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.38 |
| 671 | I2 10 | 19.70 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 672 | I2 10 | 19.60 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 673 | I2 10 | 19.50 | 9.148 | 29.6 | 0.0 | 3.3 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.279 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| WASTELOAD # 674 (Unknown Trib #4) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 674 | I2 10 | 19.40 | 9.148 | 29.5 | 0.0 | 3.3 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 675 | I2 10 | 19.30 | 9.148 | 29.5 | 0.0 | 3.3 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 676 | I2 10 | 19.20 | 9.148 | 29.5 | 0.0 | 3.2 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| 677 | I2 10 | 19.10 | 9.148 | 29.5 | 0.0 | 3.2 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.040 | 0.040 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.37 |
| WASTELOAD # 678 (Bayou Grosse Tete #2) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 678 | I2 10 | 19.00 | 10.507 | 29.5 | 0.0 | 3.1 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.37 |
| 679 | I2 10 | 18.90 | 10.507 | 29.5 | 0.0 | 3.1 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.37 |
| 680 | I2 10 | 18.80 | 10.507 | 29.5 | 0.0 | 3.1 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.37 |
| 681 | I2 10 | 18.70 | 10.507 | 29.5 | 0.0 | 3.1 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 682 | I2 10 | 18.60 | 10.507 | 29.5 | 0.0 | 3.1 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 683 | I2 10 | 18.50 | 10.507 | 29.5 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 684 | I2 10 | 18.40 | 10.507 | 29.5 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 685 | I2 10 | 18.30 | 10.507 | 29.5 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 686 | I2 10 | 18.20 | 10.507 | 29.5 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 687 | I2 10 | 18.10 | 10.507 | 29.5 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 688 | I2 10 | 18.00 | 10.507 | 29.4 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 689 | I2 10 | 17.90 | 10.507 | 29.4 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.36 |
| 690 | I2 10 | 17.80 | 10.507 | 29.4 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.35 |
| 691 | I2 10 | 17.70 | 10.507 | 29.4 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.35 |
| 692 | I2 10 | 17.60 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.34 | 2.35 |
| 693 | I2 10 | 17.50 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 694 | I2 10 | 17.40 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 695 | I2 10 | 17.30 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 696 | I2 10 | 17.20 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 697 | I2 10 | 17.10 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 698 | I2 10 | 17.00 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 699 | I2 10 | 16.90 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.35 |
| 700 | I2 10 | 16.80 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 701 | I2 10 | 16.70 | 10.507 | 29.4 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 702 | I2 10 | 16.60 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.278 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| WASTELOAD # 703 (LAG531362) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 703 | I2 10 | 16.50 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 704 | I2 10 | 16.40 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 705 | I2 10 | 16.30 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 706 | I2 10 | 16.20 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 707 | I2 10 | 16.10 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 708 | I2 10 | 16.00 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.6 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| 709 | I2 10 | 15.90 | 10.507 | 29.3 | 0.0 | 3.0 | 2.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.046 | 0.046 | 7.7 | 0.277 | 0.20 | 0.00 | 0.00 | 0.00 | 0.33 | 2.34 |
| TRIBUTARY # 710 (Bayou Plaquemine) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 829 | I3 | 12 | 15.80 | 11.347 | 29.3 | 0.0 | 2.9 | 4.3 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 830 | I3 | 12 | 15.70 | 11.347 | 29.3 | 0.0 | 2.9 | 4.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 831 | I3 | 12 | 15.60 | 11.347 | 29.3 | 0.0 | 2.9 | 4.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 832 | I3 | 12 | 15.50 | 11.347 | 29.4 | 0.0 | 2.9 | 4.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 833 | I3 | 12 | 15.40 | 11.347 | 29.4 | 0.0 | 2.8 | 4.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 834 | I3 | 12 | 15.30 | 11.347 | 29.4 | 0.0 | 2.8 | 4.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.26 |
| 835 | I3 | 12 | 15.20 | 11.347 | 29.4 | 0.0 | 2.8 | 4.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.260 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 836 | I3 | 12 | 15.10 | 11.347 | 29.4 | 0.0 | 2.8 | 4.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 837 | I3 | 12 | 15.00 | 11.347 | 29.4 | 0.0 | 2.8 | 4.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 838 | I3 | 12 | 14.90 | 11.347 | 29.5 | 0.0 | 2.8 | 4.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 839 | I3 | 12 | 14.80 | 11.347 | 29.5 | 0.0 | 2.8 | 3.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 840 | I3 | 12 | 14.70 | 11.347 | 29.5 | 0.0 | 2.8 | 3.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 841 | I3 | 12 | 14.60 | 11.347 | 29.5 | 0.0 | 2.7 | 3.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.27 |
| 842 | I3 | 12 | 14.50 | 11.347 | 29.5 | 0.0 | 2.7 | 3.8 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 843 | I3 | 12 | 14.40 | 11.347 | 29.5 | 0.0 | 2.7 | 3.8 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 844 | I3 | 12 | 14.30 | 11.347 | 29.6 | 0.0 | 2.7 | 3.8 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 845 | I3 | 12 | 14.20 | 11.347 | 29.6 | 0.0 | 2.7 | 3.7 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 846 | I3 | 12 | 14.10 | 11.347 | 29.6 | 0.0 | 2.7 | 3.7 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 847 | I3 | 12 | 14.00 | 11.347 | 29.6 | 0.0 | 2.7 | 3.7 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 848 | I3 | 12 | 13.90 | 11.347 | 29.6 | 0.0 | 2.7 | 3.7 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 849 | I3 | 12 | 13.80 | 11.347 | 29.6 | 0.0 | 2.7 | 3.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.261 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.28 |
| 850 | I3 | 12 | 13.70 | 11.347 | 29.7 | 0.0 | 2.6 | 3.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 851 | I3 | 12 | 13.60 | 11.347 | 29.7 | 0.0 | 2.6 | 3.6 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 852 | I3 | 12 | 13.50 | 11.347 | 29.7 | 0.0 | 2.6 | 3.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 853 | I3 | 12 | 13.40 | 11.347 | 29.7 | 0.0 | 2.6 | 3.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 854 | I3 | 12 | 13.30 | 11.347 | 29.7 | 0.0 | 2.6 | 3.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 855 | I3 | 12 | 13.20 | 11.347 | 29.7 | 0.0 | 2.6 | 3.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 856 | I3 | 12 | 13.10 | 11.347 | 29.7 | 0.0 | 2.6 | 3.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 857 | I3 | 12 | 13.00 | 11.347 | 29.8 | 0.0 | 2.6 | 3.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.29 |
| 858 | I3 | 12 | 12.90 | 11.347 | 29.8 | 0.0 | 2.6 | 3.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC CHLA m≤/s | MEAN DISP m | DO DEPTH m | REAER WIDTH m/s | BOD1 VELO m/s | BOD1 VELO m/s | BOD2 SAT mg/L | BOD2 RATE 1/da | NH3 DECA 1/da | SETT DECA 1/da | SETT DECA 1/da | DECA 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 859 | I3 12 | 12.80 | 11.347 | 29.8 | 0.0 | 2.6 | 3.3 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 860 | I3 12 | 12.70 | 11.347 | 29.8 | 0.0 | 2.6 | 3.3 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 861 | I3 12 | 12.60 | 11.347 | 29.8 | 0.0 | 2.6 | 3.3 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 862 | I3 12 | 12.50 | 11.347 | 29.8 | 0.0 | 2.6 | 3.3 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 863 | I3 12 | 12.40 | 11.347 | 29.9 | 0.0 | 2.5 | 3.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.262 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 864 | I3 12 | 12.30 | 11.347 | 29.9 | 0.0 | 2.5 | 3.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.31 | 0.00 | 0.00 | 0.00 | 0.33 | 1.30 |
| 865 | I3 12 | 12.20 | 11.347 | 29.9 | 0.0 | 2.5 | 3.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 866 | I3 12 | 12.10 | 11.347 | 29.9 | 0.0 | 2.5 | 3.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 867 | I3 12 | 12.00 | 11.347 | 29.9 | 0.0 | 2.5 | 3.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 868 | I3 12 | 11.90 | 11.347 | 29.9 | 0.0 | 2.5 | 3.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 869 | I3 12 | 11.80 | 11.347 | 30.0 | 0.0 | 2.5 | 3.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 870 | I3 12 | 11.70 | 11.347 | 30.0 | 0.0 | 2.5 | 3.1 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 871 | I3 12 | 11.60 | 11.347 | 30.0 | 0.0 | 2.5 | 3.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 872 | I3 12 | 11.50 | 11.347 | 30.0 | 0.0 | 2.5 | 3.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.31 |
| 873 | I3 12 | 11.40 | 11.347 | 30.0 | 0.0 | 2.5 | 3.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 874 | I3 12 | 11.30 | 11.347 | 30.0 | 0.0 | 2.5 | 3.0 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 875 | I3 12 | 11.20 | 11.347 | 30.1 | 0.0 | 2.5 | 2.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.6 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 876 | I3 12 | 11.10 | 11.347 | 30.1 | 0.0 | 2.5 | 2.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.5 | 0.263 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 877 | I3 12 | 11.00 | 11.347 | 30.1 | 0.0 | 2.5 | 2.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.5 | 0.264 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| 878 | I3 12 | 10.90 | 11.347 | 30.1 | 0.0 | 2.5 | 2.9 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 3.20 | 80.0 | 0.044 | 0.044 | 7.5 | 0.264 | 0.32 | 0.00 | 0.00 | 0.00 | 0.33 | 1.32 |
| TRIBUTARY # 879 (Upper Grand River #1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 1047 | I4 16 | 10.80 | 18.226 | 30.1 | 0.0 | 2.9 | 3.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1048 | I4 16 | 10.70 | 18.226 | 30.1 | 0.0 | 2.9 | 3.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1049 | I4 16 | 10.60 | 18.226 | 30.1 | 0.0 | 2.9 | 3.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1050 | I4 16 | 10.50 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1051 | I4 16 | 10.40 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1052 | I4 16 | 10.30 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1053 | I4 16 | 10.20 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1054 | I4 16 | 10.10 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1055 | I4 16 | 10.00 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1056 | I4 16 | 9.90 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1057 | I4 16 | 9.80 | 18.226 | 30.1 | 0.0 | 2.9 | 3.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1058 | I4 16 | 9.70 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1059 | I4 16 | 9.60 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1060 | I4 16 | 9.50 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1061 | I4 16 | 9.40 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1062 | I4 16 | 9.30 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1063 | I4 16 | 9.20 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1064 | I4 16 | 9.10 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1065 | I4 16 | 9.00 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1066 | I4 16 | 8.90 | 18.226 | 30.1 | 0.0 | 2.9 | 3.3 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1067 | I4 16 | 8.80 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1068 | I4 16 | 8.70 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1069 | I4 16 | 8.60 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1070 | I4 | 16 | 8.50 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1071 | I4 | 16 | 8.40 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1072 | I4 | 16 | 8.30 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1073 | I4 | 16 | 8.20 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1074 | I4 | 16 | 8.10 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1075 | I4 | 16 | 8.00 | 18.226 | 30.1 | 0.0 | 2.9 | 3.2 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1076 | I4 | 16 | 7.90 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1077 | I4 | 16 | 7.80 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1078 | I4 | 16 | 7.70 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1079 | I4 | 16 | 7.60 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1080 | I4 | 16 | 7.50 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1081 | I4 | 16 | 7.40 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1082 | I4 | 16 | 7.30 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1083 | I4 | 16 | 7.20 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1084 | I4 | 16 | 7.10 | 18.226 | 30.1 | 0.0 | 2.9 | 3.1 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1085 | I4 | 16 | 7.00 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1086 | I4 | 16 | 6.90 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1087 | I4 | 16 | 6.80 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1088 | I4 | 16 | 6.70 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1089 | I4 | 16 | 6.60 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1090 | I4 | 16 | 6.50 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1091 | I4 | 16 | 6.40 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1092 | I4 | 16 | 6.30 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1093 | I4 | 16 | 6.20 | 18.226 | 30.1 | 0.0 | 2.9 | 3.0 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1094 | I4 | 16 | 6.10 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1095 | I4 | 16 | 6.00 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1096 | I4 | 16 | 5.90 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1097 | I4 | 16 | 5.80 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1098 | I4 | 16 | 5.70 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1099 | I4 | 16 | 5.60 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC CHLA m≤/s | MEAN DISP m | DO DEPTH m | REAER WIDTH m/s | BOD1 VELO m/s | BOD1 VELO mg/L | BOD2 SAT 1/da | BOD2 RATE 1/da | NH3 DECA 1/da | SETT DECA 1/da | SETT DECA 1/da | DECA 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1100 | I4 16 | 5.50 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1101 | I4 16 | 5.40 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1102 | I4 16 | 5.30 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1103 | I4 16 | 5.20 | 18.226 | 30.1 | 0.0 | 2.9 | 2.9 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1104 | I4 16 | 5.10 | 18.226 | 30.1 | 0.0 | 2.9 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1105 | I4 16 | 5.00 | 18.226 | 30.1 | 0.0 | 2.9 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1106 | I4 16 | 4.90 | 18.226 | 30.1 | 0.0 | 2.9 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1107 | I4 16 | 4.80 | 18.226 | 30.1 | 0.0 | 2.9 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1108 | I4 16 | 4.70 | 18.226 | 30.1 | 0.0 | 2.9 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1109 | I4 16 | 4.60 | 18.226 | 30.1 | 0.0 | 3.0 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1110 | I4 16 | 4.50 | 18.226 | 30.1 | 0.0 | 3.0 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1111 | I4 16 | 4.40 | 18.226 | 30.1 | 0.0 | 3.0 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1112 | I4 16 | 4.30 | 18.226 | 30.1 | 0.0 | 3.0 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1113 | I4 16 | 4.20 | 18.226 | 30.1 | 0.0 | 3.0 | 2.8 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1114 | I4 16 | 4.10 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1115 | I4 16 | 4.00 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1116 | I4 16 | 3.90 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1117 | I4 16 | 3.80 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1118 | I4 16 | 3.70 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1119 | I4 16 | 3.60 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1120 | I4 16 | 3.50 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1121 | I4 16 | 3.40 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1122 | I4 16 | 3.30 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1123 | I4 16 | 3.20 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1124 | I4 16 | 3.10 | 18.226 | 30.1 | 0.0 | 3.0 | 2.7 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1125 | I4 16 | 3.00 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1126 | I4 16 | 2.90 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1127 | I4 16 | 2.80 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1128 | I4 16 | 2.70 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1129 | I4 16 | 2.60 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1130 | I4 16 | 2.50 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1131 | I4 16 | 2.40 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1132 | I4 16 | 2.30 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1133 | I4 16 | 2.20 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1134 | I4 16 | 2.10 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1135 | I4 16 | 2.00 | 18.226 | 30.1 | 0.0 | 3.0 | 2.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1136 | I4 16 | 1.90 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1137 | I4 16 | 1.80 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1138 | I4 16 | 1.70 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1139 | I4 16 | 1.60 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1140 | I4 16 | 1.50 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1141 | I4 16 | 1.40 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1142 | I4 16 | 1.30 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.35 | 1.32 |
| 1143 | I4 16 | 1.20 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1144 | I4 | 16 | 1.10 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1145 | I4 | 16 | 1.00 | 18.226 | 30.1 | 0.0 | 3.0 | 2.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1146 | I4 | 16 | 0.90 | 18.226 | 30.1 | 0.0 | 3.1 | 2.5 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1147 | I4 | 16 | 0.80 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1148 | I4 | 16 | 0.70 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1149 | I4 | 16 | 0.60 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1150 | I4 | 16 | 0.50 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1151 | I4 | 16 | 0.40 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1152 | I4 | 16 | 0.30 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1153 | I4 | 16 | 0.20 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1154 | I4 | 16 | 0.10 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |
| 1155 | I4 | 16 | 0.00 | 18.226 | 30.1 | 0.0 | 3.1 | 2.4 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 2.50 | 70.0 | 0.104 | 0.104 | 7.5 | 0.387 | 0.32 | 0.00 | 0.00 | 0.00 | 0.36 | 1.32 |

EXPANDED CAPSULE SUMMARY FOR Bayou Poydras #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | CHLA m | DISP m | ADVEC DEPTH m | MEAN WIDTH m | DO VELO m/s | REAER VELO m/s | BOD1 SAT mg/L | BOD1 RATE 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | P1 3 | 10.20 | 0.066 | 27.0 | 0.0 | 1.1 | 30.6 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.08 | 0.00 | 0.00 | 0.00 | 0.03 | 0.86 |
| 127 | P1 3 | 10.10 | 0.066 | 27.0 | 0.0 | 1.8 | 30.5 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.12 | 0.00 | 0.00 | 0.00 | 0.15 | 1.37 |
| 128 | P1 3 | 10.00 | 0.066 | 27.0 | 0.0 | 2.3 | 30.5 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.25 | 1.55 |
| 129 | P1 3 | 9.90 | 0.066 | 27.0 | 0.0 | 2.8 | 30.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 1.55 |
| 130 | P1 3 | 9.80 | 0.066 | 27.0 | 0.0 | 3.3 | 30.3 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 1.55 |
| 131 | P1 3 | 9.70 | 0.066 | 27.0 | 0.0 | 3.6 | 30.2 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 1.55 |
| 132 | P1 3 | 9.60 | 0.066 | 27.0 | 0.0 | 4.0 | 30.1 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 1.55 |
| 133 | P1 3 | 9.50 | 0.066 | 27.0 | 0.0 | 4.3 | 30.0 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.31 | 1.55 |
| 134 | P1 3 | 9.40 | 0.066 | 27.0 | 0.0 | 4.5 | 29.9 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.31 | 1.55 |
| 135 | P1 3 | 9.30 | 0.066 | 27.0 | 0.0 | 4.8 | 29.8 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.31 | 1.55 |
| 136 | P1 3 | 9.20 | 0.066 | 27.0 | 0.0 | 5.0 | 29.8 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 137 | P1 3 | 9.10 | 0.066 | 27.0 | 0.0 | 5.1 | 29.7 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 138 | P1 3 | 9.00 | 0.066 | 27.0 | 0.0 | 5.3 | 29.6 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 139 | P1 3 | 8.90 | 0.066 | 27.0 | 0.0 | 5.4 | 29.5 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.55 |
| 140 | P1 3 | 8.80 | 0.066 | 27.0 | 0.0 | 5.6 | 29.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 141 | P1 3 | 8.70 | 0.066 | 27.0 | 0.0 | 5.7 | 29.3 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 142 | P1 3 | 8.60 | 0.066 | 27.0 | 0.0 | 5.8 | 29.2 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 143 | P1 3 | 8.50 | 0.066 | 27.0 | 0.0 | 5.9 | 29.2 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 144 | P1 3 | 8.40 | 0.066 | 27.0 | 0.0 | 5.9 | 29.1 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 145 | P1 3 | 8.30 | 0.066 | 27.0 | 0.0 | 6.0 | 29.0 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 146 | P1 3 | 8.20 | 0.066 | 27.0 | 0.0 | 6.1 | 28.9 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 147 | P1 3 | 8.10 | 0.066 | 27.0 | 0.0 | 6.1 | 28.8 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.402 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| WASTELOAD # 148 (LAG540069) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 148 | P1 3 | 8.00 | 0.066 | 27.0 | 0.0 | 6.2 | 28.8 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.408 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 149 | P1 3 | 7.90 | 0.066 | 27.0 | 0.0 | 6.2 | 28.7 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.408 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 150 | P1 3 | 7.80 | 0.066 | 27.0 | 0.0 | 6.2 | 28.6 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.408 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| WASTELOAD # 151 (LAG531697) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 151 | P1 3 | 7.70 | 0.066 | 27.0 | 0.0 | 6.3 | 28.5 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 152 | P1 3 | 7.60 | 0.066 | 27.0 | 0.0 | 6.3 | 28.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 153 | P1 3 | 7.50 | 0.066 | 27.0 | 0.0 | 6.3 | 28.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 154 | P1 3 | 7.40 | 0.066 | 27.0 | 0.0 | 6.3 | 28.3 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 155 | P1 3 | 7.30 | 0.066 | 27.0 | 0.0 | 6.4 | 28.2 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.55 |
| 156 | P1 3 | 7.20 | 0.066 | 27.0 | 0.0 | 6.4 | 28.1 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 157 | P1 3 | 7.10 | 0.066 | 27.0 | 0.0 | 6.4 | 28.0 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.410 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| WASTELOAD # 158 (LAG540858) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 158 | P1 3 | 7.00 | 0.066 | 27.0 | 0.0 | 6.4 | 28.0 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.423 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| WASTELOAD # 159 (LAG531903) ENTERS HERE WITHOUT ANY FLOW | | | | | | | | | | | | | | | | | | | | | | | | |
| 159 | P1 3 | 6.90 | 0.066 | 27.0 | 0.0 | 6.4 | 27.9 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.423 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 160 | P1 3 | 6.80 | 0.066 | 27.0 | 0.0 | 6.4 | 27.8 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.423 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 161 | P1 3 | 6.70 | 0.066 | 27.0 | 0.0 | 6.4 | 27.7 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.423 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 162 | P1 3 | 6.60 | 0.066 | 27.0 | 0.0 | 6.5 | 27.6 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.423 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 163 | P1 3 | 6.50 | 0.066 | 27.0 | 0.0 | 6.5 | 27.6 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.423 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| WASTELOAD # 164 (LAG531990) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 164 | P1 3 | 6.40 | 0.066 | 27.0 | 0.0 | 6.5 | 27.5 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 165 | P1 | 3 | 6.30 | 0.066 | 27.0 | 0.0 | 6.5 | 27.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 166 | P1 | 3 | 6.20 | 0.066 | 27.0 | 0.0 | 6.5 | 27.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 167 | P1 | 3 | 6.10 | 0.066 | 27.0 | 0.0 | 6.5 | 27.3 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 168 | P1 | 3 | 6.00 | 0.066 | 27.0 | 0.0 | 6.5 | 27.2 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 169 | P1 | 3 | 5.90 | 0.066 | 27.0 | 0.0 | 6.5 | 27.1 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 170 | P1 | 3 | 5.80 | 0.066 | 27.0 | 0.0 | 6.5 | 27.0 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 171 | P1 | 3 | 5.70 | 0.066 | 27.0 | 0.0 | 6.5 | 27.0 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 172 | P1 | 3 | 5.60 | 0.066 | 27.0 | 0.0 | 6.5 | 26.9 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 173 | P1 | 3 | 5.50 | 0.066 | 27.0 | 0.0 | 6.5 | 26.8 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 174 | P1 | 3 | 5.40 | 0.066 | 27.0 | 0.0 | 6.5 | 26.7 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 175 | P1 | 3 | 5.30 | 0.066 | 27.0 | 0.0 | 6.5 | 26.7 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 176 | P1 | 3 | 5.20 | 0.066 | 27.0 | 0.0 | 6.5 | 26.6 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 177 | P1 | 3 | 5.10 | 0.066 | 27.0 | 0.0 | 6.5 | 26.5 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 178 | P1 | 3 | 5.00 | 0.066 | 27.0 | 0.0 | 6.5 | 26.4 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 179 | P1 | 3 | 4.90 | 0.066 | 27.0 | 0.0 | 6.5 | 26.3 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 180 | P1 | 3 | 4.80 | 0.066 | 27.0 | 0.0 | 6.5 | 26.3 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 181 | P1 | 3 | 4.70 | 0.066 | 27.0 | 0.0 | 6.5 | 26.2 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 182 | P1 | 3 | 4.60 | 0.066 | 27.0 | 0.0 | 6.5 | 26.1 | 0.0 | 1.5 | 0.2 | 0.0 | 0.0 | 0.30 | 4.0 | 0.055 | 0.055 | 8.0 | 6.427 | 0.14 | 0.00 | 0.00 | 0.00 | 0.34 | 1.55 |
| 183 | P2 | 4 | 4.50 | 0.071 | 27.0 | 0.0 | 6.1 | 26.5 | 0.0 | 1.6 | 0.2 | 0.0 | 0.0 | 0.60 | 8.0 | 0.015 | 0.015 | 8.0 | 1.332 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.40 |
| 184 | P2 | 4 | 4.40 | 0.075 | 27.1 | 0.0 | 5.7 | 26.9 | 0.0 | 1.6 | 0.2 | 0.0 | 0.0 | 0.60 | 8.0 | 0.016 | 0.016 | 8.0 | 1.333 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.40 |
| 185 | P2 | 4 | 4.30 | 0.079 | 27.1 | 0.0 | 5.4 | 27.2 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.016 | 0.016 | 7.9 | 1.334 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.41 |
| WASTELOAD # 186 (LAG540898) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | P2 | 4 | 4.20 | 0.085 | 27.2 | 0.0 | 5.2 | 27.5 | 0.0 | 1.7 | 0.2 | 0.0 | 0.0 | 0.60 | 8.0 | 0.018 | 0.018 | 7.9 | 1.335 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.41 |
| WASTELOAD # 187 (LAG540785) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 187 | P2 | 4 | 4.10 | 0.089 | 27.2 | 0.0 | 5.0 | 27.8 | 0.0 | 1.8 | 0.2 | 0.0 | 0.0 | 0.60 | 8.0 | 0.019 | 0.019 | 7.9 | 1.336 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.42 |
| 188 | P2 | 4 | 4.00 | 0.093 | 27.3 | 0.0 | 4.8 | 28.0 | 0.0 | 1.8 | 0.2 | 0.0 | 0.0 | 0.60 | 8.0 | 0.019 | 0.019 | 7.9 | 1.353 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.42 |
| 189 | P2 | 4 | 3.90 | 0.097 | 27.3 | 0.0 | 4.6 | 28.2 | 0.0 | 1.9 | 0.2 | 0.0 | 0.0 | 0.60 | 8.0 | 0.020 | 0.020 | 7.9 | 1.383 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 |
| 190 | P2 | 4 | 3.80 | 0.102 | 27.3 | 0.0 | 4.5 | 28.4 | 0.0 | 1.9 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.021 | 0.021 | 7.9 | 1.413 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 |
| 191 | P2 | 4 | 3.70 | 0.106 | 27.4 | 0.0 | 4.4 | 28.5 | 0.0 | 1.9 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.022 | 0.022 | 7.9 | 1.443 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 |
| 192 | P2 | 4 | 3.60 | 0.110 | 27.4 | 0.0 | 4.3 | 28.7 | 0.0 | 2.0 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.023 | 0.023 | 7.9 | 1.471 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.44 |

EXPANDED CAPSULE SUMMARY FOR Bayou Poydras #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | CHLA m | DISP m | ADVEC m/s | MEAN m/s | DO mg/L | REAER 1/da | BOD1 1/da | BOD1 1/da | BOD2 1/da | BOD2 1/da | NH3 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | P2 4 | 3.50 | 0.114 | 27.5 | 0.0 | 4.3 | 28.8 | 0.0 | 2.0 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.024 | 0.024 | 7.9 | 1.500 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.44 |
| 194 | P2 4 | 3.40 | 0.118 | 27.5 | 0.0 | 4.2 | 28.9 | 0.0 | 2.0 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.025 | 0.025 | 7.9 | 1.528 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.45 |
| 195 | P2 4 | 3.30 | 0.122 | 27.6 | 0.0 | 4.2 | 29.1 | 0.0 | 2.0 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.025 | 0.025 | 7.9 | 1.555 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.45 |
| 196 | P2 4 | 3.20 | 0.126 | 27.6 | 0.0 | 4.1 | 29.2 | 0.0 | 2.1 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.026 | 0.026 | 7.9 | 1.583 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.45 |
| 197 | P2 4 | 3.10 | 0.130 | 27.7 | 0.0 | 4.1 | 29.3 | 0.0 | 2.1 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.027 | 0.027 | 7.9 | 1.609 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.46 |
| 198 | P2 4 | 3.00 | 0.134 | 27.7 | 0.0 | 4.1 | 29.4 | 0.0 | 2.1 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.028 | 0.028 | 7.9 | 1.636 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.46 |
| 199 | P2 4 | 2.90 | 0.139 | 27.7 | 0.0 | 4.0 | 29.5 | 0.0 | 2.1 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.029 | 0.029 | 7.9 | 1.662 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.47 |
| 200 | P2 4 | 2.80 | 0.143 | 27.8 | 0.0 | 4.0 | 29.5 | 0.0 | 2.1 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.030 | 0.030 | 7.9 | 1.688 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.47 |
| 201 | P2 4 | 2.70 | 0.147 | 27.8 | 0.0 | 4.0 | 29.6 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.031 | 0.031 | 7.9 | 1.713 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.47 |
| 202 | P2 4 | 2.60 | 0.151 | 27.9 | 0.0 | 4.0 | 29.7 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.031 | 0.031 | 7.8 | 1.738 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.48 |
| 203 | P2 4 | 2.50 | 0.155 | 27.9 | 0.0 | 4.0 | 29.8 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.032 | 0.032 | 7.8 | 1.763 | 0.14 | 0.00 | 0.00 | 0.00 | 0.32 | 1.48 |
| 204 | P2 4 | 2.40 | 0.159 | 28.0 | 0.0 | 4.0 | 29.8 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.033 | 0.033 | 7.8 | 1.787 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.49 |
| 205 | P2 4 | 2.30 | 0.163 | 28.0 | 0.0 | 4.0 | 29.9 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.034 | 0.034 | 7.8 | 1.812 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.49 |
| 206 | P2 4 | 2.20 | 0.167 | 28.0 | 0.0 | 4.0 | 29.9 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.035 | 0.035 | 7.8 | 1.836 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.49 |
| 207 | P2 4 | 2.10 | 0.171 | 28.1 | 0.0 | 4.0 | 30.0 | 0.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.036 | 0.036 | 7.8 | 1.860 | 0.14 | 0.00 | 0.00 | 0.00 | 0.33 | 1.50 |
| 208 | P2 4 | 2.00 | 0.175 | 28.1 | 0.0 | 4.0 | 30.0 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.037 | 0.037 | 7.8 | 1.883 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.50 |
| 209 | P2 4 | 1.90 | 0.180 | 28.2 | 0.0 | 4.0 | 30.1 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.037 | 0.037 | 7.8 | 1.907 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.51 |
| 210 | P2 4 | 1.80 | 0.184 | 28.2 | 0.0 | 4.0 | 30.1 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.038 | 0.038 | 7.8 | 1.930 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.51 |
| 211 | P2 4 | 1.70 | 0.188 | 28.3 | 0.0 | 4.0 | 30.2 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.039 | 0.039 | 7.8 | 1.953 | 0.15 | 0.00 | 0.00 | 0.00 | 0.33 | 1.51 |
| 212 | P2 4 | 1.60 | 0.192 | 28.3 | 0.0 | 4.0 | 30.2 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.040 | 0.040 | 7.8 | 1.975 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.52 |
| 213 | P2 4 | 1.50 | 0.196 | 28.3 | 0.0 | 4.1 | 30.2 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.041 | 0.041 | 7.8 | 1.998 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.52 |
| 214 | P2 4 | 1.40 | 0.200 | 28.4 | 0.0 | 4.1 | 30.3 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.042 | 0.042 | 7.8 | 2.020 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.53 |
| 215 | P2 4 | 1.30 | 0.204 | 28.4 | 0.0 | 4.1 | 30.3 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.043 | 0.043 | 7.8 | 2.043 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.53 |
| 216 | P2 4 | 1.20 | 0.208 | 28.5 | 0.0 | 4.1 | 30.3 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.043 | 0.043 | 7.8 | 2.065 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.54 |
| 217 | P2 4 | 1.10 | 0.212 | 28.5 | 0.0 | 4.1 | 30.4 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.044 | 0.044 | 7.8 | 2.086 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.54 |
| 218 | P2 4 | 1.00 | 0.217 | 28.6 | 0.0 | 4.1 | 30.4 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.045 | 0.045 | 7.7 | 2.108 | 0.15 | 0.00 | 0.00 | 0.00 | 0.34 | 1.54 |
| 219 | P2 4 | 0.90 | 0.221 | 28.6 | 0.0 | 4.1 | 30.4 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.046 | 0.046 | 7.7 | 2.130 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.55 |
| 220 | P2 4 | 0.80 | 0.225 | 28.7 | 0.0 | 4.1 | 30.5 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.047 | 0.047 | 7.7 | 2.151 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.55 |
| 221 | P2 4 | 0.70 | 0.229 | 28.7 | 0.0 | 4.1 | 30.5 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.048 | 0.048 | 7.7 | 2.172 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.56 |
| 222 | P2 4 | 0.60 | 0.233 | 28.7 | 0.0 | 4.1 | 30.5 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.049 | 0.049 | 7.7 | 2.193 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.56 |
| 223 | P2 4 | 0.50 | 0.237 | 28.8 | 0.0 | 4.2 | 30.5 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.049 | 0.049 | 7.7 | 2.214 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.56 |
| 224 | P2 4 | 0.40 | 0.241 | 28.8 | 0.0 | 4.2 | 30.5 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.050 | 0.050 | 7.7 | 2.235 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.57 |
| 225 | P2 4 | 0.30 | 0.245 | 28.9 | 0.0 | 4.2 | 30.6 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.051 | 0.051 | 7.7 | 2.256 | 0.15 | 0.00 | 0.00 | 0.00 | 0.35 | 1.57 |
| 226 | P2 4 | 0.20 | 0.249 | 28.9 | 0.0 | 4.2 | 30.6 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.052 | 0.052 | 7.7 | 2.276 | 0.15 | 0.00 | 0.00 | 0.00 | 0.36 | 1.58 |
| 227 | P2 4 | 0.10 | 0.253 | 29.0 | 0.0 | 4.2 | 30.6 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.053 | 0.053 | 7.7 | 2.296 | 0.15 | 0.00 | 0.00 | 0.00 | 0.36 | 1.58 |
| 228 | P2 4 | 0.00 | 0.258 | 29.0 | 0.0 | 4.2 | 30.6 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.60 | 8.0 | 0.054 | 0.054 | 7.7 | 2.317 | 0.15 | 0.00 | 0.00 | 0.00 | 0.36 | 1.59 |

EXPANDED CAPSULE SUMMARY FOR Chamberlin Canal #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | CHLA m | DISP m | ADVEC DEPTH m | MEAN WIDTH m | DO VELO m/s | REAER VELO m/s | BOD1 SAT mg/L | BOD1 RATE 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | BOD2 DECA 1/da | NH3 SETT 1/da | NH3 DECA 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | C1 6 | 7.40 | 0.001 | 26.4 | 0.0 | 4.7 | 9.9 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.003 | 0.003 | 8.1 | 7.899 | 0.17 | 0.00 | 0.00 | 0.00 | 0.30 | 1.94 |
| 273 | C1 6 | 7.30 | 0.001 | 26.5 | 0.0 | 5.2 | 10.3 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.003 | 0.003 | 8.0 | 7.910 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 1.95 |
| 274 | C1 6 | 7.20 | 0.001 | 26.5 | 0.0 | 5.3 | 10.7 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.003 | 0.003 | 8.0 | 7.938 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 1.96 |
| 275 | C1 6 | 7.10 | 0.001 | 26.6 | 0.0 | 5.3 | 11.0 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.003 | 0.003 | 8.0 | 8.228 | 0.18 | 0.00 | 0.00 | 0.00 | 0.31 | 1.97 |
| 276 | C1 6 | 7.00 | 0.001 | 26.7 | 0.0 | 5.4 | 11.2 | 0.0 | 1.5 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.004 | 0.004 | 8.0 | 8.511 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.98 |
| 277 | C1 6 | 6.90 | 0.001 | 26.8 | 0.0 | 5.4 | 11.4 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.004 | 0.004 | 8.0 | 8.786 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 1.99 |
| 278 | C1 6 | 6.80 | 0.001 | 26.9 | 0.0 | 5.5 | 11.6 | 0.0 | 1.6 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.004 | 0.004 | 8.0 | 9.054 | 0.18 | 0.00 | 0.00 | 0.00 | 0.32 | 2.00 |
| 279 | C1 6 | 6.70 | 0.001 | 27.0 | 0.0 | 5.5 | 11.7 | 0.0 | 1.7 | 0.1 | 0.0 | 0.0 | 0.10 | 2.0 | 0.004 | 0.004 | 8.0 | 9.316 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.01 |
| 280 | C1 6 | 6.60 | 0.001 | 27.0 | 0.0 | 5.6 | 11.9 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.005 | 0.005 | 8.0 | 9.572 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.02 |
| 281 | C1 6 | 6.50 | 0.001 | 27.1 | 0.0 | 5.6 | 12.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.005 | 0.005 | 8.0 | 9.822 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.04 |
| 282 | C1 6 | 6.40 | 0.001 | 27.2 | 0.0 | 5.6 | 12.1 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.005 | 0.005 | 7.9 | 10.068 | 0.18 | 0.00 | 0.00 | 0.00 | 0.33 | 2.05 |
| 283 | C1 6 | 6.30 | 0.001 | 27.3 | 0.0 | 5.7 | 12.1 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.005 | 0.005 | 7.9 | 10.310 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.06 |
| 284 | C1 6 | 6.20 | 0.001 | 27.4 | 0.0 | 5.7 | 12.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.005 | 0.005 | 7.9 | 10.547 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.07 |
| 285 | C1 6 | 6.10 | 0.001 | 27.4 | 0.0 | 5.7 | 12.2 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.006 | 0.006 | 7.9 | 10.780 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.08 |
| 286 | C1 6 | 6.00 | 0.001 | 27.5 | 0.0 | 5.7 | 12.3 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.006 | 0.006 | 7.9 | 11.009 | 0.18 | 0.00 | 0.00 | 0.00 | 0.34 | 2.09 |
| 287 | C1 6 | 5.90 | 0.001 | 27.6 | 0.0 | 5.8 | 12.3 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.006 | 0.006 | 7.9 | 11.235 | 0.18 | 0.00 | 0.00 | 0.00 | 0.35 | 2.10 |
| 288 | C1 6 | 5.80 | 0.001 | 27.7 | 0.0 | 5.8 | 12.4 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.006 | 0.006 | 7.9 | 11.458 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 2.11 |
| 289 | C1 6 | 5.70 | 0.001 | 27.8 | 0.0 | 5.8 | 12.4 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.007 | 0.007 | 7.9 | 11.569 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 2.12 |
| 290 | C1 6 | 5.60 | 0.001 | 27.9 | 0.0 | 5.8 | 12.4 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.007 | 0.007 | 7.8 | 11.585 | 0.19 | 0.00 | 0.00 | 0.00 | 0.35 | 2.13 |
| 291 | C1 6 | 5.50 | 0.001 | 27.9 | 0.0 | 5.8 | 12.5 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.007 | 0.007 | 7.8 | 11.602 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.14 |
| 292 | C1 6 | 5.40 | 0.001 | 28.0 | 0.0 | 5.7 | 12.5 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.007 | 0.007 | 7.8 | 11.619 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.15 |
| 293 | C1 6 | 5.30 | 0.002 | 28.1 | 0.0 | 5.7 | 12.5 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.008 | 0.008 | 7.8 | 11.636 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.17 |
| 294 | C1 6 | 5.20 | 0.002 | 28.2 | 0.0 | 5.7 | 12.5 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.008 | 0.008 | 7.8 | 11.653 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.18 |
| 295 | C1 6 | 5.10 | 0.002 | 28.3 | 0.0 | 5.7 | 12.5 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.008 | 0.008 | 7.8 | 11.670 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 2.19 |
| WASTELOAD # 296 (LA0121185) ENTERS HERE WITHOUT ANY FLOW | | | | | | | | | | | | | | | | | | | | | | | | |
| 296 | C1 6 | 5.00 | 0.002 | 28.3 | 0.0 | 5.7 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.008 | 0.008 | 7.8 | 11.686 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.20 |
| 297 | C1 6 | 4.90 | 0.002 | 28.4 | 0.0 | 5.7 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.008 | 0.008 | 7.8 | 11.703 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.21 |
| 298 | C1 6 | 4.80 | 0.002 | 28.5 | 0.0 | 5.6 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.009 | 0.009 | 7.8 | 11.720 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.22 |
| 299 | C1 6 | 4.70 | 0.002 | 28.6 | 0.0 | 5.6 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.009 | 0.009 | 7.7 | 11.737 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.23 |
| 300 | C1 6 | 4.60 | 0.002 | 28.7 | 0.0 | 5.6 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.009 | 0.009 | 7.7 | 11.754 | 0.19 | 0.00 | 0.00 | 0.00 | 0.37 | 2.24 |
| 301 | C1 6 | 4.50 | 0.002 | 28.8 | 0.0 | 5.6 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.009 | 0.009 | 7.7 | 11.771 | 0.19 | 0.00 | 0.00 | 0.00 | 0.38 | 2.26 |
| 302 | C1 6 | 4.40 | 0.002 | 28.8 | 0.0 | 5.6 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.010 | 0.010 | 7.7 | 11.788 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.27 |
| 303 | C1 6 | 4.30 | 0.002 | 28.9 | 0.0 | 5.5 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.010 | 0.010 | 7.7 | 11.805 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.28 |
| 304 | C1 6 | 4.20 | 0.002 | 29.0 | 0.0 | 5.5 | 12.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.10 | 2.0 | 0.010 | 0.010 | 7.7 | 11.822 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.29 |
| WASTELOAD # 305 (LAG540783) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 305 | C2 7 | 4.10 | 0.004 | 29.1 | 0.0 | 4.1 | 20.1 | 0.0 | 2.0 | 0.7 | 1.6 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.7 | 2.761 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.30 |
| 306 | C2 7 | 4.00 | 0.004 | 29.1 | 0.0 | 3.7 | 18.7 | 0.0 | 2.0 | 0.6 | 3.1 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.7 | 2.764 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.31 |
| 307 | C2 7 | 3.90 | 0.005 | 29.2 | 0.0 | 3.6 | 17.6 | 0.0 | 2.0 | 0.5 | 4.7 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.7 | 2.766 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.32 |
| 308 | C2 7 | 3.80 | 0.005 | 29.2 | 0.0 | 3.6 | 16.5 | 0.0 | 2.0 | 0.5 | 6.3 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.7 | 2.769 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.32 |
| 309 | C2 7 | 3.70 | 0.005 | 29.3 | 0.0 | 3.7 | 15.6 | 0.0 | 2.0 | 0.4 | 7.9 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.7 | 2.772 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 2.33 |
| 310 | C2 7 | 3.60 | 0.005 | 29.3 | 0.0 | 3.8 | 14.8 | 0.0 | 2.0 | 0.4 | 9.4 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.6 | 2.774 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.34 |
| 311 | C2 7 | 3.50 | 0.005 | 29.4 | 0.0 | 3.8 | 14.0 | 0.0 | 2.0 | 0.3 | 11.0 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.6 | 2.777 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.35 |
| 312 | C2 7 | 3.40 | 0.005 | 29.4 | 0.0 | 3.9 | 13.4 | 0.0 | 2.0 | 0.3 | 12.6 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.6 | 2.780 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 2.36 |
| 313 | C2 7 | 3.30 | 0.005 | 29.5 | 0.0 | 4.0 | 12.8 | 0.0 | 2.0 | 0.3 | 14.1 | 0.0 | 0.30 | 5.0 | 0.003 | 0.003 | 7.6 | 2.782 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.36 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 314 | C2 | 7 | 3.20 | 0.005 | 29.5 | 0.0 | 4.1 | 12.3 | 0.0 | 2.0 | 0.2 | 15.7 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.785 | 0.20 | 0.00 | 0.00 | 0.00 | 0.37 | 2.37 |
| 315 | C2 | 7 | 3.10 | 0.005 | 29.6 | 0.0 | 4.2 | 11.8 | 0.0 | 2.0 | 0.2 | 17.3 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.787 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.38 |
| 316 | C2 | 7 | 3.00 | 0.006 | 29.7 | 0.0 | 4.3 | 11.4 | 0.0 | 2.0 | 0.2 | 18.9 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.790 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.39 |
| 317 | C2 | 7 | 2.90 | 0.006 | 29.7 | 0.0 | 4.3 | 11.0 | 0.0 | 2.0 | 0.2 | 20.4 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.793 | 0.20 | 0.00 | 0.00 | 0.00 | 0.38 | 2.40 |
| 318 | C2 | 7 | 2.80 | 0.006 | 29.8 | 0.0 | 4.4 | 10.6 | 0.0 | 2.0 | 0.2 | 22.0 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.795 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 2.40 |
| 319 | C2 | 7 | 2.70 | 0.006 | 29.8 | 0.0 | 4.4 | 10.3 | 0.0 | 2.0 | 0.1 | 23.6 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.798 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 2.41 |
| 320 | C2 | 7 | 2.60 | 0.006 | 29.9 | 0.0 | 4.5 | 10.0 | 0.0 | 2.0 | 0.1 | 25.1 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.801 | 0.20 | 0.00 | 0.00 | 0.00 | 0.39 | 2.42 |
| 321 | C2 | 7 | 2.50 | 0.006 | 29.9 | 0.0 | 4.6 | 9.7 | 0.0 | 2.0 | 0.1 | 26.7 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.803 | 0.21 | 0.00 | 0.00 | 0.00 | 0.39 | 2.43 |
| 322 | C2 | 7 | 2.40 | 0.006 | 30.0 | 0.0 | 4.6 | 9.5 | 0.0 | 2.0 | 0.1 | 28.3 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.806 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.44 |
| 323 | C2 | 7 | 2.30 | 0.006 | 30.0 | 0.0 | 4.7 | 9.2 | 0.0 | 2.0 | 0.1 | 29.9 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.6 | 2.809 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.45 |
| 324 | C2 | 7 | 2.20 | 0.007 | 30.1 | 0.0 | 4.7 | 9.0 | 0.0 | 2.0 | 0.1 | 31.4 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.5 | 2.811 | 0.21 | 0.00 | 0.00 | 0.00 | 0.40 | 2.45 |
| 325 | C2 | 7 | 2.10 | 0.007 | 30.1 | 0.0 | 4.8 | 8.8 | 0.0 | 2.0 | 0.1 | 33.0 | 0.0 | 0.30 | 5.0 | 0.004 | 0.004 | 7.5 | 2.814 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.46 |
| 326 | C2 | 7 | 2.00 | 0.007 | 30.2 | 0.0 | 4.8 | 8.7 | 0.0 | 2.0 | 0.1 | 34.6 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.817 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.47 |
| 327 | C2 | 7 | 1.90 | 0.007 | 30.3 | 0.0 | 4.9 | 8.5 | 0.0 | 2.0 | 0.1 | 36.1 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.819 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.48 |
| 328 | C2 | 7 | 1.80 | 0.007 | 30.3 | 0.0 | 4.9 | 8.3 | 0.0 | 2.0 | 0.1 | 37.7 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.822 | 0.21 | 0.00 | 0.00 | 0.00 | 0.41 | 2.49 |
| 329 | C2 | 7 | 1.70 | 0.007 | 30.4 | 0.0 | 4.9 | 8.2 | 0.0 | 2.0 | 0.1 | 39.3 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.825 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.50 |
| 330 | C2 | 7 | 1.60 | 0.007 | 30.4 | 0.0 | 5.0 | 8.1 | 0.0 | 2.0 | 0.1 | 40.9 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.827 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.51 |
| 331 | C2 | 7 | 1.50 | 0.007 | 30.5 | 0.0 | 5.0 | 8.0 | 0.0 | 2.0 | 0.1 | 42.4 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.830 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.51 |
| 332 | C2 | 7 | 1.40 | 0.007 | 30.5 | 0.0 | 5.1 | 7.8 | 0.0 | 2.0 | 0.1 | 44.0 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.833 | 0.21 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 333 | C2 | 7 | 1.30 | 0.008 | 30.6 | 0.0 | 5.1 | 7.7 | 0.0 | 2.0 | 0.1 | 45.6 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.835 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 2.53 |
| 334 | C2 | 7 | 1.20 | 0.008 | 30.6 | 0.0 | 5.1 | 7.6 | 0.0 | 2.0 | 0.1 | 47.1 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.838 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 2.54 |
| 335 | C2 | 7 | 1.10 | 0.008 | 30.7 | 0.0 | 5.2 | 7.5 | 0.0 | 2.0 | 0.1 | 48.7 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.841 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 2.55 |
| 336 | C2 | 7 | 1.00 | 0.008 | 30.8 | 0.0 | 5.2 | 7.5 | 0.0 | 2.0 | 0.1 | 50.3 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.843 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.56 |
| 337 | C2 | 7 | 0.90 | 0.008 | 30.8 | 0.0 | 5.3 | 7.4 | 0.0 | 2.0 | 0.1 | 51.9 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.5 | 2.846 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.57 |
| 338 | C2 | 7 | 0.80 | 0.008 | 30.9 | 0.0 | 5.3 | 7.3 | 0.0 | 2.0 | 0.1 | 53.4 | 0.0 | 0.30 | 5.0 | 0.005 | 0.005 | 7.4 | 2.849 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.58 |
| 339 | C2 | 7 | 0.70 | 0.008 | 30.9 | 0.0 | 5.3 | 7.2 | 0.0 | 2.0 | 0.1 | 55.0 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.851 | 0.21 | 0.00 | 0.00 | 0.00 | 0.44 | 2.59 |
| 340 | C2 | 7 | 0.60 | 0.008 | 31.0 | 0.0 | 5.4 | 7.2 | 0.0 | 2.0 | 0.1 | 56.6 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.854 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.59 |
| 341 | C2 | 7 | 0.50 | 0.009 | 31.0 | 0.0 | 5.4 | 7.1 | 0.0 | 2.0 | 0.1 | 58.1 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.857 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.60 |
| 342 | C2 | 7 | 0.40 | 0.009 | 31.1 | 0.0 | 5.4 | 7.0 | 0.0 | 2.0 | 0.1 | 59.7 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.859 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.61 |
| 343 | C2 | 7 | 0.30 | 0.009 | 31.1 | 0.0 | 5.5 | 7.0 | 0.0 | 2.0 | 0.1 | 61.3 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.862 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.62 |

EXPANDED CAPSULE SUMMARY FOR Chamberlin Canal #1

| IOR | REACH | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | m≤/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d |
| 344 | C2 7 | 0.20 | 0.009 | 31.2 | 0.0 | 5.5 | 6.9 | 0.0 | 2.0 | 0.1 | 62.9 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.865 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.63 |
| 345 | C2 7 | 0.10 | 0.009 | 31.2 | 0.0 | 5.6 | 6.9 | 0.0 | 2.0 | 0.1 | 64.4 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.867 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.64 |
| 346 | C2 7 | 0.00 | 0.009 | 31.3 | 0.0 | 5.6 | 6.8 | 0.0 | 2.0 | 0.1 | 66.0 | 0.0 | 0.30 | 5.0 | 0.006 | 0.006 | 7.4 | 2.870 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.65 |

EXPANDED CAPSULE SUMMARY FOR Intracoastal Waterwa

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | ADVEC CHLA m | MEAN DISP m | DO DEPTH m/s | REAER WIDTH m/s | BOD1 VELO mg/L | BOD1 VELO 1/da | BOD2 SAT 1/da | BOD2 RATE 1/da | NH3 DECA 1/da | SETT DECA g/m≤/d | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | I1 9 | 13.30 | 7.530 | 29.8 | 0.0 | 7.4 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 421 | I1 9 | 13.20 | 7.530 | 29.8 | 0.0 | 7.3 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 422 | I1 9 | 13.10 | 7.530 | 29.8 | 0.0 | 7.3 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 423 | I1 9 | 13.00 | 7.530 | 29.8 | 0.0 | 7.3 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 424 | I1 9 | 12.90 | 7.530 | 29.8 | 0.0 | 7.3 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 425 | I1 9 | 12.80 | 7.530 | 29.8 | 0.0 | 7.2 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 426 | I1 9 | 12.70 | 7.530 | 29.8 | 0.0 | 7.2 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 427 | I1 9 | 12.60 | 7.530 | 29.8 | 0.0 | 7.2 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| WASTELOAD # 428 (PS 120109#2) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | I1 9 | 12.50 | 7.531 | 29.8 | 0.0 | 7.2 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 429 | I1 9 | 12.40 | 7.531 | 29.8 | 0.0 | 7.1 | 2.2 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 430 | I1 9 | 12.30 | 7.531 | 29.8 | 0.0 | 7.1 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 431 | I1 9 | 12.20 | 7.531 | 29.9 | 0.0 | 7.1 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 432 | I1 9 | 12.10 | 7.531 | 29.9 | 0.0 | 7.1 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 433 | I1 9 | 12.00 | 7.531 | 29.9 | 0.0 | 7.1 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 434 | I1 9 | 11.90 | 7.531 | 29.9 | 0.0 | 7.0 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 435 | I1 9 | 11.80 | 7.531 | 29.9 | 0.0 | 7.0 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 436 | I1 9 | 11.70 | 7.531 | 29.9 | 0.0 | 7.0 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 437 | I1 9 | 11.60 | 7.531 | 29.9 | 0.0 | 7.0 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 438 | I1 9 | 11.50 | 7.531 | 29.9 | 0.0 | 6.9 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 439 | I1 9 | 11.40 | 7.531 | 29.9 | 0.0 | 6.9 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 440 | I1 9 | 11.30 | 7.531 | 29.9 | 0.0 | 6.9 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 441 | I1 9 | 11.20 | 7.531 | 29.9 | 0.0 | 6.9 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 442 | I1 9 | 11.10 | 7.531 | 29.9 | 0.0 | 6.9 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 443 | I1 9 | 11.00 | 7.531 | 29.9 | 0.0 | 6.8 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 444 | I1 9 | 10.90 | 7.531 | 29.9 | 0.0 | 6.8 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 445 | I1 9 | 10.80 | 7.531 | 29.9 | 0.0 | 6.8 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.20 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 446 | I1 9 | 10.70 | 7.531 | 29.9 | 0.0 | 6.8 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 447 | I1 9 | 10.60 | 7.531 | 29.9 | 0.0 | 6.7 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 448 | I1 9 | 10.50 | 7.531 | 29.9 | 0.0 | 6.7 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 449 | I1 9 | 10.40 | 7.531 | 29.9 | 0.0 | 6.7 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 450 | I1 9 | 10.30 | 7.531 | 29.9 | 0.0 | 6.7 | 2.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.93 |
| 451 | I1 9 | 10.20 | 7.531 | 29.9 | 0.0 | 6.7 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 452 | I1 9 | 10.10 | 7.531 | 29.9 | 0.0 | 6.6 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 453 | I1 9 | 10.00 | 7.531 | 30.0 | 0.0 | 6.6 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 454 | I1 9 | 9.90 | 7.531 | 30.0 | 0.0 | 6.6 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 455 | I1 9 | 9.80 | 7.531 | 30.0 | 0.0 | 6.6 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.280 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| WASTELOAD # 456 (LAG560237) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | I1 9 | 9.70 | 7.531 | 30.0 | 0.0 | 6.6 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 457 | I1 9 | 9.60 | 7.531 | 30.0 | 0.0 | 6.6 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 458 | I1 9 | 9.50 | 7.531 | 30.0 | 0.0 | 6.5 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 459 | I1 9 | 9.40 | 7.531 | 30.0 | 0.0 | 6.5 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 460 | I1 9 | 9.30 | 7.531 | 30.0 | 0.0 | 6.5 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 461 | I1 9 | 9.20 | 7.531 | 30.0 | 0.0 | 6.5 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 462 | I1 | 9 | 9.10 | 7.531 | 30.0 | 0.0 | 6.5 | 2.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| WASTELOAD # 463 (LA0068501) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 463 | I1 | 9 | 9.00 | 7.545 | 30.0 | 0.0 | 6.4 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 464 | I1 | 9 | 8.90 | 7.545 | 30.0 | 0.0 | 6.4 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 465 | I1 | 9 | 8.80 | 7.545 | 30.0 | 0.0 | 6.4 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 466 | I1 | 9 | 8.70 | 7.545 | 30.0 | 0.0 | 6.4 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 467 | I1 | 9 | 8.60 | 7.545 | 30.0 | 0.0 | 6.4 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 468 | I1 | 9 | 8.50 | 7.545 | 30.0 | 0.0 | 6.4 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 469 | I1 | 9 | 8.40 | 7.545 | 30.0 | 0.0 | 6.3 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 470 | I1 | 9 | 8.30 | 7.545 | 30.0 | 0.0 | 6.3 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 471 | I1 | 9 | 8.20 | 7.545 | 30.0 | 0.0 | 6.3 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 472 | I1 | 9 | 8.10 | 7.545 | 30.0 | 0.0 | 6.3 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 473 | I1 | 9 | 8.00 | 7.545 | 30.0 | 0.0 | 6.3 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 474 | I1 | 9 | 7.90 | 7.545 | 30.0 | 0.0 | 6.3 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 475 | I1 | 9 | 7.80 | 7.545 | 30.1 | 0.0 | 6.2 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 476 | I1 | 9 | 7.70 | 7.545 | 30.1 | 0.0 | 6.2 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 477 | I1 | 9 | 7.60 | 7.545 | 30.1 | 0.0 | 6.2 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 478 | I1 | 9 | 7.50 | 7.545 | 30.1 | 0.0 | 6.2 | 2.0 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.6 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 479 | I1 | 9 | 7.40 | 7.545 | 30.1 | 0.0 | 6.2 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 480 | I1 | 9 | 7.30 | 7.545 | 30.1 | 0.0 | 6.2 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 481 | I1 | 9 | 7.20 | 7.545 | 30.1 | 0.0 | 6.2 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 482 | I1 | 9 | 7.10 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 483 | I1 | 9 | 7.00 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 484 | I1 | 9 | 6.90 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 485 | I1 | 9 | 6.80 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 486 | I1 | 9 | 6.70 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 487 | I1 | 9 | 6.60 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.94 |
| 488 | I1 | 9 | 6.50 | 7.545 | 30.1 | 0.0 | 6.1 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 489 | I1 | 9 | 6.40 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 490 | I1 | 9 | 6.30 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |

EXPANDED CAPSULE SUMMARY FOR Intracoastal Waterwa

| IOR | REACH | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | ADVEC | MEAN | DO | REAER | BOD1 | BOD1 | BOD2 | BOD2 | NH3 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | km | m≥/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | m≤/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m≤/d | DECA | SETT | DECA | SETT | DECA | SOD |
| 491 | I1 9 | 6.20 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 492 | I1 9 | 6.10 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 493 | I1 9 | 6.00 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 494 | I1 9 | 5.90 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 495 | I1 9 | 5.80 | 7.545 | 30.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 496 | I1 9 | 5.70 | 7.545 | 30.1 | 0.0 | 5.9 | 1.9 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 497 | I1 9 | 5.60 | 7.545 | 30.1 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 498 | I1 9 | 5.50 | 7.545 | 30.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 499 | I1 9 | 5.40 | 7.545 | 30.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 500 | I1 9 | 5.30 | 7.545 | 30.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 501 | I1 9 | 5.20 | 7.545 | 30.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.281 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 502 | I1 9 | 5.10 | 7.545 | 30.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 503 | I1 9 | 5.00 | 7.545 | 30.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 504 | I1 9 | 4.90 | 7.545 | 30.2 | 0.0 | 5.8 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 505 | I1 9 | 4.80 | 7.545 | 30.2 | 0.0 | 5.8 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 506 | I1 9 | 4.70 | 7.545 | 30.2 | 0.0 | 5.8 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 507 | I1 9 | 4.60 | 7.545 | 30.2 | 0.0 | 5.8 | 1.9 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 508 | I1 9 | 4.50 | 7.545 | 30.2 | 0.0 | 5.8 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 509 | I1 9 | 4.40 | 7.545 | 30.2 | 0.0 | 5.8 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 510 | I1 9 | 4.30 | 7.545 | 30.2 | 0.0 | 5.8 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 511 | I1 9 | 4.20 | 7.545 | 30.2 | 0.0 | 5.8 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 512 | I1 9 | 4.10 | 7.545 | 30.2 | 0.0 | 5.8 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 513 | I1 9 | 4.00 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 514 | I1 9 | 3.90 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 515 | I1 9 | 3.80 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 516 | I1 9 | 3.70 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 517 | I1 9 | 3.60 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 518 | I1 9 | 3.50 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 519 | I1 9 | 3.40 | 7.545 | 30.2 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 520 | I1 9 | 3.30 | 7.545 | 30.3 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 521 | I1 9 | 3.20 | 7.545 | 30.3 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 522 | I1 9 | 3.10 | 7.545 | 30.3 | 0.0 | 5.7 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 523 | I1 9 | 3.00 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 524 | I1 9 | 2.90 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 525 | I1 9 | 2.80 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.95 |
| 526 | I1 9 | 2.70 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 527 | I1 9 | 2.60 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 528 | I1 9 | 2.50 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 529 | I1 9 | 2.40 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 530 | I1 9 | 2.30 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 531 | I1 9 | 2.20 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 532 | I1 9 | 2.10 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 533 | I1 9 | 2.00 | 7.545 | 30.3 | 0.0 | 5.6 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |
| 534 | I1 9 | 1.90 | 7.545 | 30.3 | 0.0 | 5.5 | 1.8 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 3.00 | 76.0 | 0.033 | 0.033 | 7.5 | 0.282 | 0.21 | 0.00 | 0.00 | 0.00 | 0.43 | 0.96 |

```
535 I1  9   1.80  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
536 I1  9   1.70  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
537 I1  9   1.60  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
538 I1  9   1.50  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
539 I1  9   1.40  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
540 I1  9   1.30  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
541 I1  9   1.20  7.545 30.3  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
542 I1  9   1.10  7.545 30.4  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
543 I1  9   1.00  7.545 30.4  0.0  5.5  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
544 I1  9   0.90  7.545 30.4  0.0  5.5  1.7  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
545 I1  9   0.80  7.545 30.4  0.0  5.5  1.7  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
546 I1  9   0.70  7.545 30.4  0.0  5.4  1.7  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
547 I1  9   0.60  7.545 30.4  0.0  5.4  1.7  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.282 0.21 0.00 0.00 0.00 0.43  0.96
548 I1  9   0.50  7.545 30.4  0.0  5.4  1.7  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.283 0.21 0.00 0.00 0.00 0.43  0.96
549 I1  9   0.40  7.545 30.4  0.0  5.4  1.7  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.283 0.21 0.00 0.00 0.00 0.43  0.96
    WASTELOAD # 550 (PS 120109#1) ENTERS HERE
550 I1  9   0.30  7.564 30.4  0.0  5.4  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.283 0.21 0.00 0.00 0.00 0.43  0.96
551 I1  9   0.20  7.564 30.4  0.0  5.4  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.283 0.21 0.00 0.00 0.00 0.43  0.96
552 I1  9   0.10  7.564 30.4  0.0  5.4  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.283 0.21 0.00 0.00 0.00 0.43  0.96
553 I1  9   0.00  7.564 30.4  0.0  5.4  1.8  0.0  1.2  0.1  0.0   0.0  3.00  76.0  0.033  0.033   7.5  0.283 0.21 0.00 0.00 0.00 0.43  0.96
```

EXPANDED CAPSULE SUMMARY FOR Bayou Plaquemine

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m≤/s | MEAN m | DO m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | NH3 1/da | CHLA 1/da | DISP 1/da | DEPTH 1/da | WIDTH 1/da | VELO g/m≤/d | VELO | SAT | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | BP 11 | 11.80 | 0.770 | 29.1 | 0.0 | 4.4 | 5.2 | 0.0 | 1.6 | 0.0 | 57.5 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.89 | | | | | | | | | |
| 711 | BP 11 | 11.70 | 0.770 | 29.1 | 0.0 | 4.6 | 5.5 | 0.0 | 1.6 | 0.0 | 57.0 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.89 | | | | | | | | | |
| 712 | BP 11 | 11.60 | 0.770 | 29.1 | 0.0 | 4.8 | 5.7 | 0.0 | 1.6 | 0.0 | 56.5 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.89 | | | | | | | | | |
| 713 | BP 11 | 11.50 | 0.770 | 29.1 | 0.0 | 5.1 | 6.0 | 0.0 | 1.6 | 0.0 | 56.1 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 | | | | | | | | | |
| 714 | BP 11 | 11.40 | 0.770 | 29.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.6 | 0.0 | 55.6 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 | | | | | | | | | |
| 715 | BP 11 | 11.30 | 0.770 | 29.1 | 0.0 | 5.5 | 6.5 | 0.0 | 1.6 | 0.0 | 55.1 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 | | | | | | | | | |
| 716 | BP 11 | 11.20 | 0.770 | 29.1 | 0.0 | 5.6 | 6.8 | 0.0 | 1.6 | 0.0 | 54.6 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 | | | | | | | | | |
| 717 | BP 11 | 11.10 | 0.770 | 29.1 | 0.0 | 5.8 | 7.0 | 0.0 | 1.6 | 0.0 | 54.1 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 | | | | | | | | | |
| 718 | BP 11 | 11.00 | 0.770 | 29.1 | 0.0 | 6.0 | 7.3 | 0.0 | 1.6 | 0.0 | 53.6 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 | | | | | | | | | |
| 719 | BP 11 | 10.90 | 0.770 | 29.1 | 0.0 | 6.1 | 7.6 | 0.0 | 1.6 | 0.0 | 53.1 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 720 | BP 11 | 10.80 | 0.770 | 29.1 | 0.0 | 6.3 | 7.8 | 0.0 | 1.6 | 0.0 | 52.6 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 721 | BP 11 | 10.70 | 0.770 | 29.1 | 0.0 | 6.4 | 8.1 | 0.0 | 1.6 | 0.0 | 52.2 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 722 | BP 11 | 10.60 | 0.770 | 29.1 | 0.0 | 6.5 | 8.3 | 0.0 | 1.6 | 0.0 | 51.7 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 723 | BP 11 | 10.50 | 0.770 | 29.1 | 0.0 | 6.7 | 8.5 | 0.0 | 1.6 | 0.0 | 51.2 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 724 | BP 11 | 10.40 | 0.770 | 29.1 | 0.0 | 6.8 | 8.8 | 0.0 | 1.6 | 0.0 | 50.7 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 725 | BP 11 | 10.30 | 0.770 | 29.1 | 0.0 | 6.9 | 9.0 | 0.0 | 1.6 | 0.0 | 50.2 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 | | | | | | | | | |
| 726 | BP 11 | 10.20 | 0.770 | 29.1 | 0.0 | 7.0 | 9.3 | 0.0 | 1.6 | 0.0 | 49.7 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 727 | BP 11 | 10.10 | 0.770 | 29.1 | 0.0 | 7.0 | 9.5 | 0.0 | 1.6 | 0.0 | 49.2 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 728 | BP 11 | 10.00 | 0.770 | 29.1 | 0.0 | 7.1 | 9.7 | 0.0 | 1.6 | 0.0 | 48.7 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 729 | BP 11 | 9.90 | 0.770 | 29.1 | 0.0 | 7.2 | 10.0 | 0.0 | 1.6 | 0.0 | 48.3 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 730 | BP 11 | 9.80 | 0.770 | 29.1 | 0.0 | 7.3 | 10.2 | 0.0 | 1.6 | 0.0 | 47.8 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 731 | BP 11 | 9.70 | 0.770 | 29.1 | 0.0 | 7.3 | 10.4 | 0.0 | 1.6 | 0.0 | 47.3 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 732 | BP 11 | 9.60 | 0.770 | 29.1 | 0.0 | 7.4 | 10.7 | 0.0 | 1.6 | 0.0 | 46.8 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 733 | BP 11 | 9.50 | 0.770 | 29.1 | 0.0 | 7.4 | 10.9 | 0.0 | 1.6 | 0.0 | 46.3 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 734 | BP 11 | 9.40 | 0.770 | 29.1 | 0.0 | 7.5 | 11.1 | 0.0 | 1.6 | 0.0 | 45.8 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 735 | BP 11 | 9.30 | 0.770 | 29.1 | 0.0 | 7.5 | 11.3 | 0.0 | 1.6 | 0.0 | 45.3 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 736 | BP 11 | 9.20 | 0.770 | 29.1 | 0.0 | 7.6 | 11.6 | 0.0 | 1.5 | 0.0 | 44.8 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 737 | BP 11 | 9.10 | 0.770 | 29.1 | 0.0 | 7.6 | 11.8 | 0.0 | 1.5 | 0.0 | 44.4 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 738 | BP 11 | 9.00 | 0.770 | 29.1 | 0.0 | 7.6 | 12.0 | 0.0 | 1.5 | 0.0 | 43.9 | 0.0 | 1.10 | 30.0 | 0.023 | 0.023 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| WASTELOAD # 739 (LA0020648) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 739 | BP 11 | 8.90 | 0.836 | 29.2 | 0.0 | 7.4 | 13.6 | 0.0 | 1.5 | 0.3 | 43.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 740 | BP 11 | 8.80 | 0.836 | 29.2 | 0.0 | 7.4 | 13.8 | 0.0 | 1.5 | 0.3 | 42.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 741 | BP 11 | 8.70 | 0.836 | 29.2 | 0.0 | 7.4 | 14.0 | 0.0 | 1.5 | 0.3 | 42.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 742 | BP 11 | 8.60 | 0.836 | 29.2 | 0.0 | 7.4 | 14.1 | 0.0 | 1.5 | 0.3 | 41.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 743 | BP 11 | 8.50 | 0.836 | 29.2 | 0.0 | 7.3 | 14.3 | 0.0 | 1.5 | 0.3 | 41.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 744 | BP 11 | 8.40 | 0.836 | 29.2 | 0.0 | 7.3 | 14.5 | 0.0 | 1.5 | 0.3 | 40.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 745 | BP 11 | 8.30 | 0.836 | 29.2 | 0.0 | 7.3 | 14.7 | 0.0 | 1.5 | 0.3 | 40.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 746 | BP 11 | 8.20 | 0.836 | 29.2 | 0.0 | 7.3 | 14.9 | 0.0 | 1.5 | 0.3 | 40.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 747 | BP 11 | 8.10 | 0.836 | 29.2 | 0.0 | 7.2 | 15.0 | 0.0 | 1.5 | 0.3 | 39.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 748 | BP 11 | 8.00 | 0.836 | 29.2 | 0.0 | 7.2 | 15.2 | 0.0 | 1.5 | 0.3 | 39.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 749 | BP 11 | 7.90 | 0.836 | 29.2 | 0.0 | 7.2 | 15.4 | 0.0 | 1.5 | 0.3 | 38.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.754 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 750 | BP 11 | 7.80 | 0.836 | 29.2 | 0.0 | 7.2 | 15.6 | 0.0 | 1.5 | 0.3 | 38.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 751 | BP 11 | 7.70 | 0.836 | 29.2 | 0.0 | 7.1 | 15.7 | 0.0 | 1.5 | 0.3 | 37.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |
| 752 | BP 11 | 7.60 | 0.836 | 29.2 | 0.0 | 7.1 | 15.9 | 0.0 | 1.5 | 0.3 | 37.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 753 | BP 11 | 7.50 | 0.836 | 29.2 | 0.0 | 7.1 | 16.1 | 0.0 | 1.5 | 0.3 | 36.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 754 | BP 11 | 7.40 | 0.836 | 29.2 | 0.0 | 7.0 | 16.2 | 0.0 | 1.5 | 0.3 | 36.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 755 | BP 11 | 7.30 | 0.836 | 29.2 | 0.0 | 7.0 | 16.4 | 0.0 | 1.5 | 0.3 | 35.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 756 | BP 11 | 7.20 | 0.836 | 29.2 | 0.0 | 6.9 | 16.6 | 0.0 | 1.5 | 0.3 | 35.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 757 | BP 11 | 7.10 | 0.836 | 29.2 | 0.0 | 6.9 | 16.7 | 0.0 | 1.5 | 0.3 | 34.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 758 | BP 11 | 7.00 | 0.836 | 29.2 | 0.0 | 6.9 | 16.9 | 0.0 | 1.5 | 0.3 | 34.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 759 | BP 11 | 6.90 | 0.836 | 29.2 | 0.0 | 6.8 | 17.0 | 0.0 | 1.5 | 0.3 | 33.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 760 | BP 11 | 6.80 | 0.836 | 29.2 | 0.0 | 6.8 | 17.2 | 0.0 | 1.5 | 0.3 | 33.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 761 | BP 11 | 6.70 | 0.836 | 29.2 | 0.0 | 6.7 | 17.4 | 0.0 | 1.5 | 0.3 | 32.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.41 | 0.89 |
| 762 | BP 11 | 6.60 | 0.836 | 29.2 | 0.0 | 6.7 | 17.5 | 0.0 | 1.5 | 0.3 | 32.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 763 | BP 11 | 6.50 | 0.836 | 29.2 | 0.0 | 6.6 | 17.7 | 0.0 | 1.5 | 0.3 | 31.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 764 | BP 11 | 6.40 | 0.836 | 29.2 | 0.0 | 6.6 | 17.8 | 0.0 | 1.5 | 0.3 | 31.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 765 | BP 11 | 6.30 | 0.836 | 29.2 | 0.0 | 6.5 | 18.0 | 0.0 | 1.5 | 0.2 | 30.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 766 | BP 11 | 6.20 | 0.836 | 29.2 | 0.0 | 6.5 | 18.1 | 0.0 | 1.5 | 0.2 | 30.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 767 | BP 11 | 6.10 | 0.836 | 29.2 | 0.0 | 6.4 | 18.3 | 0.0 | 1.5 | 0.2 | 29.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 768 | BP 11 | 6.00 | 0.836 | 29.2 | 0.0 | 6.4 | 18.4 | 0.0 | 1.5 | 0.2 | 29.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 769 | BP 11 | 5.90 | 0.836 | 29.2 | 0.0 | 6.3 | 18.6 | 0.0 | 1.5 | 0.2 | 28.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 770 | BP 11 | 5.80 | 0.836 | 29.2 | 0.0 | 6.3 | 18.7 | 0.0 | 1.5 | 0.2 | 28.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 771 | BP 11 | 5.70 | 0.836 | 29.2 | 0.0 | 6.2 | 18.9 | 0.0 | 1.5 | 0.2 | 27.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 772 | BP 11 | 5.60 | 0.836 | 29.2 | 0.0 | 6.2 | 19.0 | 0.0 | 1.5 | 0.2 | 27.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 773 | BP 11 | 5.50 | 0.836 | 29.2 | 0.0 | 6.1 | 19.2 | 0.0 | 1.5 | 0.2 | 26.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 774 | BP 11 | 5.40 | 0.836 | 29.2 | 0.0 | 6.1 | 19.3 | 0.0 | 1.5 | 0.2 | 26.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 775 | BP 11 | 5.30 | 0.836 | 29.2 | 0.0 | 6.0 | 19.4 | 0.0 | 1.5 | 0.2 | 25.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 776 | BP 11 | 5.20 | 0.836 | 29.2 | 0.0 | 5.9 | 19.6 | 0.0 | 1.5 | 0.2 | 25.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 777 | BP 11 | 5.10 | 0.836 | 29.2 | 0.0 | 5.9 | 19.7 | 0.0 | 1.5 | 0.2 | 24.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.40 | 0.89 |
| 778 | BP 11 | 5.00 | 0.836 | 29.2 | 0.0 | 5.8 | 19.9 | 0.0 | 1.5 | 0.2 | 24.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| WASTELOAD # 779 (LAG570359) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 779 | BP 11 | 4.90 | 0.839 | 29.2 | 0.0 | 5.8 | 20.0 | 0.0 | 1.5 | 0.2 | 23.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 780 | BP 11 | 4.80 | 0.839 | 29.2 | 0.0 | 5.7 | 20.1 | 0.0 | 1.5 | 0.2 | 23.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 781 | BP 11 | 4.70 | 0.839 | 29.2 | 0.0 | 5.7 | 20.2 | 0.0 | 1.5 | 0.2 | 22.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |

EXPANDED CAPSULE SUMMARY FOR Bayou Plaquemine

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m≤/s | MEAN m | DO m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | BOD2 1/da | BOD2 1/da | NH3 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WASTELOAD # 782 (LAG540102) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | |
| 782 | BP 11 | 4.60 | 0.840 | 29.2 | 0.0 | 5.6 | 20.4 | 0.0 | 1.5 | 0.2 | 22.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 783 | BP 11 | 4.50 | 0.840 | 29.2 | 0.0 | 5.5 | 20.5 | 0.0 | 1.5 | 0.2 | 21.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 784 | BP 11 | 4.40 | 0.840 | 29.2 | 0.0 | 5.5 | 20.7 | 0.0 | 1.5 | 0.2 | 21.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| | WASTELOAD # 785 (LAG531065) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | |
| 785 | BP 11 | 4.30 | 0.840 | 29.2 | 0.0 | 5.4 | 20.8 | 0.0 | 1.5 | 0.2 | 21.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 786 | BP 11 | 4.20 | 0.840 | 29.2 | 0.0 | 5.3 | 20.9 | 0.0 | 1.5 | 0.2 | 20.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 787 | BP 11 | 4.10 | 0.840 | 29.2 | 0.0 | 5.3 | 21.0 | 0.0 | 1.5 | 0.2 | 20.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 788 | BP 11 | 4.00 | 0.840 | 29.2 | 0.0 | 5.2 | 21.2 | 0.0 | 1.5 | 0.2 | 19.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.39 | 0.89 |
| 789 | BP 11 | 3.90 | 0.840 | 29.2 | 0.0 | 5.2 | 21.3 | 0.0 | 1.5 | 0.2 | 19.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 790 | BP 11 | 3.80 | 0.840 | 29.2 | 0.0 | 5.1 | 21.4 | 0.0 | 1.5 | 0.2 | 18.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 791 | BP 11 | 3.70 | 0.840 | 29.2 | 0.0 | 5.0 | 21.6 | 0.0 | 1.5 | 0.2 | 18.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 792 | BP 11 | 3.60 | 0.840 | 29.2 | 0.0 | 5.0 | 21.7 | 0.0 | 1.5 | 0.2 | 17.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 793 | BP 11 | 3.50 | 0.840 | 29.2 | 0.0 | 4.9 | 21.8 | 0.0 | 1.5 | 0.2 | 17.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 794 | BP 11 | 3.40 | 0.840 | 29.2 | 0.0 | 4.8 | 21.9 | 0.0 | 1.5 | 0.2 | 16.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.755 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| 795 | BP 11 | 3.30 | 0.840 | 29.2 | 0.0 | 4.8 | 22.0 | 0.0 | 1.5 | 0.2 | 16.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.89 |
| | WASTELOAD # 796 (LAG540784) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | |
| 796 | BP 11 | 3.20 | 0.840 | 29.2 | 0.0 | 4.7 | 22.2 | 0.0 | 1.5 | 0.2 | 15.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.90 |
| 797 | BP 11 | 3.10 | 0.840 | 29.2 | 0.0 | 4.6 | 22.3 | 0.0 | 1.5 | 0.2 | 15.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.38 | 0.90 |
| 798 | BP 11 | 3.00 | 0.840 | 29.2 | 0.0 | 4.6 | 22.4 | 0.0 | 1.5 | 0.2 | 14.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 799 | BP 11 | 2.90 | 0.840 | 29.3 | 0.0 | 4.5 | 22.5 | 0.0 | 1.5 | 0.2 | 14.1 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 800 | BP 11 | 2.80 | 0.840 | 29.3 | 0.0 | 4.4 | 22.6 | 0.0 | 1.4 | 0.2 | 13.6 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 801 | BP 11 | 2.70 | 0.840 | 29.3 | 0.0 | 4.4 | 22.7 | 0.0 | 1.4 | 0.2 | 13.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 802 | BP 11 | 2.60 | 0.840 | 29.3 | 0.0 | 4.3 | 22.9 | 0.0 | 1.4 | 0.2 | 12.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 803 | BP 11 | 2.50 | 0.840 | 29.3 | 0.0 | 4.3 | 23.0 | 0.0 | 1.4 | 0.2 | 12.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 804 | BP 11 | 2.40 | 0.840 | 29.3 | 0.0 | 4.2 | 23.1 | 0.0 | 1.4 | 0.2 | 11.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.37 | 0.90 |
| 805 | BP 11 | 2.30 | 0.840 | 29.3 | 0.0 | 4.1 | 23.2 | 0.0 | 1.4 | 0.2 | 11.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 806 | BP 11 | 2.20 | 0.840 | 29.3 | 0.0 | 4.1 | 23.3 | 0.0 | 1.4 | 0.2 | 10.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 807 | BP 11 | 2.10 | 0.840 | 29.3 | 0.0 | 4.0 | 23.4 | 0.0 | 1.4 | 0.2 | 10.2 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 808 | BP 11 | 2.00 | 0.840 | 29.3 | 0.0 | 3.9 | 23.5 | 0.0 | 1.4 | 0.2 | 9.7 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 809 | BP 11 | 1.90 | 0.840 | 29.3 | 0.0 | 3.9 | 23.6 | 0.0 | 1.4 | 0.2 | 9.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 810 | BP 11 | 1.80 | 0.840 | 29.3 | 0.0 | 3.8 | 23.7 | 0.0 | 1.4 | 0.2 | 8.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.36 | 0.90 |
| 811 | BP 11 | 1.70 | 0.840 | 29.3 | 0.0 | 3.7 | 23.9 | 0.0 | 1.4 | 0.2 | 8.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 812 | BP 11 | 1.60 | 0.840 | 29.3 | 0.0 | 3.6 | 24.0 | 0.0 | 1.4 | 0.2 | 7.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 813 | BP 11 | 1.50 | 0.840 | 29.3 | 0.0 | 3.6 | 24.1 | 0.0 | 1.4 | 0.2 | 7.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 814 | BP 11 | 1.40 | 0.840 | 29.3 | 0.0 | 3.5 | 24.2 | 0.0 | 1.4 | 0.2 | 6.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 815 | BP 11 | 1.30 | 0.840 | 29.3 | 0.0 | 3.4 | 24.3 | 0.0 | 1.4 | 0.2 | 6.3 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.35 | 0.90 |
| 816 | BP 11 | 1.20 | 0.840 | 29.3 | 0.0 | 3.4 | 24.4 | 0.0 | 1.4 | 0.2 | 5.8 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 817 | BP 11 | 1.10 | 0.840 | 29.3 | 0.0 | 3.3 | 24.5 | 0.0 | 1.4 | 0.2 | 5.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 818 | BP 11 | 1.00 | 0.840 | 29.3 | 0.0 | 3.2 | 24.6 | 0.0 | 1.4 | 0.2 | 4.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 819 | BP 11 | 0.90 | 0.840 | 29.3 | 0.0 | 3.2 | 24.7 | 0.0 | 1.4 | 0.2 | 4.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 820 | BP 11 | 0.80 | 0.840 | 29.3 | 0.0 | 3.1 | 24.8 | 0.0 | 1.4 | 0.2 | 3.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.34 | 0.90 |
| 821 | BP 11 | 0.70 | 0.840 | 29.3 | 0.0 | 3.0 | 24.9 | 0.0 | 1.4 | 0.2 | 3.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 0.90 |
| 822 | BP 11 | 0.60 | 0.840 | 29.3 | 0.0 | 3.0 | 25.0 | 0.0 | 1.4 | 0.2 | 2.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 0.90 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 823 | BP 11 | 0.50 | 0.840 | 29.3 | 0.0 | 2.9 | 25.1 | 0.0 | 1.4 | 0.2 | 2.4 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.33 | 0.90 |
| 824 | BP 11 | 0.40 | 0.840 | 29.3 | 0.0 | 2.8 | 25.2 | 0.0 | 1.4 | 0.2 | 1.9 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 825 | BP 11 | 0.30 | 0.840 | 29.3 | 0.0 | 2.8 | 25.3 | 0.0 | 1.4 | 0.2 | 1.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 826 | BP 11 | 0.20 | 0.840 | 29.3 | 0.0 | 2.7 | 25.4 | 0.0 | 1.4 | 0.2 | 1.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 827 | BP 11 | 0.10 | 0.840 | 29.3 | 0.0 | 2.6 | 25.5 | 0.0 | 1.4 | 0.2 | 0.5 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.32 | 0.90 |
| 828 | BP 11 | 0.00 | 0.840 | 29.3 | 0.0 | 2.6 | 25.5 | 0.0 | 1.4 | 0.2 | 0.0 | 0.0 | 1.10 | 30.0 | 0.025 | 0.025 | 7.7 | 0.756 | 0.17 | 0.00 | 0.00 | 0.00 | 0.31 | 0.90 |

EXPANDED CAPSULE SUMMARY FOR Upper Grand River #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | CHLA µg/L | ADVEC m≤/s | MEAN DISP m/s | DO DEPTH m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | NH3 1/da | VELO 1/da | VELO 1/da | SAT 1/da | RATE DECA 1/da | SETT DECA g/m≤/d | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | U1 13 | 12.30 | 3.940 | 31.5 | 0.0 | 3.2 | 15.8 | 0.0 | 1.4 | 0.0 | 32.1 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.849 | 0.51 | 0.00 | 0.00 | 0.00 | 0.40 | 3.30 | | | |
| 880 | U1 13 | 12.20 | 3.940 | 31.5 | 0.0 | 3.0 | 15.5 | 0.0 | 1.4 | 0.0 | 32.1 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.40 | 3.30 | | | |
| 881 | U1 13 | 12.10 | 3.940 | 31.5 | 0.0 | 2.9 | 15.3 | 0.0 | 1.4 | 0.0 | 32.2 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.39 | 3.30 | | | |
| 882 | U1 13 | 12.00 | 3.940 | 31.5 | 0.0 | 2.8 | 15.1 | 0.0 | 1.4 | 0.0 | 32.3 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.38 | 3.29 | | | |
| 883 | U1 13 | 11.90 | 3.940 | 31.5 | 0.0 | 2.7 | 14.9 | 0.0 | 1.4 | 0.0 | 32.4 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.38 | 3.29 | | | |
| 884 | U1 13 | 11.80 | 3.940 | 31.5 | 0.0 | 2.6 | 14.7 | 0.0 | 1.4 | 0.0 | 32.4 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.37 | 3.29 | | | |
| 885 | U1 13 | 11.70 | 3.940 | 31.4 | 0.0 | 2.5 | 14.5 | 0.0 | 1.4 | 0.0 | 32.5 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.37 | 3.29 | | | |
| 886 | U1 13 | 11.60 | 3.940 | 31.4 | 0.0 | 2.4 | 14.3 | 0.0 | 1.4 | 0.0 | 32.6 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.36 | 3.29 | | | |
| 887 | U1 13 | 11.50 | 3.940 | 31.4 | 0.0 | 2.3 | 14.1 | 0.0 | 1.4 | 0.0 | 32.6 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.848 | 0.51 | 0.00 | 0.00 | 0.00 | 0.36 | 3.29 | | | |
| 888 | U1 13 | 11.40 | 3.940 | 31.4 | 0.0 | 2.2 | 13.9 | 0.0 | 1.4 | 0.0 | 32.7 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.51 | 0.00 | 0.00 | 0.00 | 0.35 | 3.28 | | | |
| 889 | U1 13 | 11.30 | 3.940 | 31.4 | 0.0 | 2.1 | 13.7 | 0.0 | 1.4 | 0.0 | 32.8 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.51 | 0.00 | 0.00 | 0.00 | 0.34 | 3.28 | | | |
| 890 | U1 13 | 11.20 | 3.940 | 31.4 | 0.0 | 2.1 | 13.5 | 0.0 | 1.4 | 0.0 | 32.9 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.51 | 0.00 | 0.00 | 0.00 | 0.34 | 3.28 | | | |
| 891 | U1 13 | 11.10 | 3.940 | 31.4 | 0.0 | 2.0 | 13.3 | 0.0 | 1.4 | 0.0 | 32.9 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.50 | 0.00 | 0.00 | 0.00 | 0.33 | 3.27 | | | |
| 892 | U1 13 | 11.00 | 3.940 | 31.4 | 0.0 | 1.9 | 13.1 | 0.0 | 1.4 | 0.0 | 33.0 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.49 | 0.00 | 0.00 | 0.00 | 0.31 | 3.18 | | | |
| 893 | U1 13 | 10.90 | 3.940 | 31.4 | 0.0 | 1.9 | 12.9 | 0.0 | 1.4 | 0.0 | 33.1 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.48 | 0.00 | 0.00 | 0.00 | 0.28 | 3.10 | | | |
| 894 | U1 13 | 10.80 | 3.940 | 31.4 | 0.0 | 1.9 | 12.8 | 0.0 | 1.4 | 0.0 | 33.1 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.47 | 0.00 | 0.00 | 0.00 | 0.26 | 3.04 | | | |
| 895 | U1 13 | 10.70 | 3.940 | 31.4 | 0.0 | 1.8 | 12.6 | 0.0 | 1.4 | 0.0 | 33.2 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.847 | 0.46 | 0.00 | 0.00 | 0.00 | 0.24 | 2.99 | | | |
| 896 | U1 13 | 10.60 | 3.940 | 31.4 | 0.0 | 1.8 | 12.4 | 0.0 | 1.4 | 0.0 | 33.3 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.45 | 0.00 | 0.00 | 0.00 | 0.23 | 2.94 | | | |
| 897 | U1 13 | 10.50 | 3.940 | 31.3 | 0.0 | 1.8 | 12.3 | 0.0 | 1.4 | 0.0 | 33.4 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.45 | 0.00 | 0.00 | 0.00 | 0.22 | 2.91 | | | |
| 898 | U1 13 | 10.40 | 3.940 | 31.3 | 0.0 | 1.8 | 12.1 | 0.0 | 1.4 | 0.0 | 33.4 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.45 | 0.00 | 0.00 | 0.00 | 0.22 | 2.89 | | | |
| 899 | U1 13 | 10.30 | 3.940 | 31.3 | 0.0 | 1.8 | 12.0 | 0.0 | 1.4 | 0.0 | 33.5 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.87 | | | |
| 900 | U1 13 | 10.20 | 3.940 | 31.3 | 0.0 | 1.8 | 11.8 | 0.0 | 1.4 | 0.0 | 33.6 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.86 | | | |
| 901 | U1 13 | 10.10 | 3.940 | 31.3 | 0.0 | 1.7 | 11.7 | 0.0 | 1.4 | 0.0 | 33.6 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.85 | | | |
| 902 | U1 13 | 10.00 | 3.940 | 31.3 | 0.0 | 1.7 | 11.5 | 0.0 | 1.4 | 0.0 | 33.7 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.44 | 0.00 | 0.00 | 0.00 | 0.20 | 2.84 | | | |
| 903 | U1 13 | 9.90 | 3.940 | 31.3 | 0.0 | 1.7 | 11.4 | 0.0 | 1.4 | 0.0 | 33.8 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.846 | 0.44 | 0.00 | 0.00 | 0.00 | 0.20 | 2.84 | | | |
| 904 | U1 13 | 9.80 | 3.940 | 31.3 | 0.0 | 1.7 | 11.2 | 0.0 | 1.4 | 0.0 | 33.9 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.845 | 0.44 | 0.00 | 0.00 | 0.00 | 0.20 | 2.84 | | | |
| 905 | U1 13 | 9.70 | 3.940 | 31.3 | 0.0 | 1.7 | 11.1 | 0.0 | 1.4 | 0.0 | 33.9 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.845 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.84 | | | |
| 906 | U1 13 | 9.60 | 3.940 | 31.3 | 0.0 | 1.8 | 11.0 | 0.0 | 1.4 | 0.0 | 34.0 | 0.0 | 1.10 | 88.0 | 0.041 | 0.041 | 7.4 | 0.845 | 0.44 | 0.00 | 0.00 | 0.00 | 0.21 | 2.85 | | | |
| WASTELOAD # 907 (Superior Canal) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 907 | U1 13 | 9.50 | 4.908 | 31.3 | 0.0 | 2.5 | 10.7 | 0.0 | 1.4 | 0.1 | 34.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.943 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 | | | |
| 908 | U1 13 | 9.40 | 4.908 | 31.2 | 0.0 | 2.5 | 10.5 | 0.0 | 1.4 | 0.1 | 34.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.943 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 | | | |
| 909 | U1 13 | 9.30 | 4.908 | 31.2 | 0.0 | 2.4 | 10.4 | 0.0 | 1.4 | 0.1 | 34.2 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.943 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 | | | |
| 910 | U1 13 | 9.20 | 4.908 | 31.2 | 0.0 | 2.4 | 10.3 | 0.0 | 1.4 | 0.1 | 34.3 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.943 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.25 | | | |
| 911 | U1 13 | 9.10 | 4.908 | 31.2 | 0.0 | 2.4 | 10.2 | 0.0 | 1.4 | 0.1 | 34.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.943 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.24 | | | |
| 912 | U1 13 | 9.00 | 4.908 | 31.2 | 0.0 | 2.4 | 10.1 | 0.0 | 1.4 | 0.1 | 34.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.943 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.24 | | | |
| 913 | U1 13 | 8.90 | 4.908 | 31.2 | 0.0 | 2.4 | 10.0 | 0.0 | 1.4 | 0.1 | 34.5 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 | | | |
| 914 | U1 13 | 8.80 | 4.908 | 31.2 | 0.0 | 2.4 | 9.8 | 0.0 | 1.4 | 0.1 | 34.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 | | | |
| 915 | U1 13 | 8.70 | 4.908 | 31.2 | 0.0 | 2.4 | 9.7 | 0.0 | 1.4 | 0.1 | 34.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 | | | |
| 916 | U1 13 | 8.60 | 4.908 | 31.2 | 0.0 | 2.4 | 9.6 | 0.0 | 1.4 | 0.1 | 34.7 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.24 | | | |
| 917 | U1 13 | 8.50 | 4.908 | 31.2 | 0.0 | 2.4 | 9.5 | 0.0 | 1.4 | 0.1 | 34.8 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 | | | |
| 918 | U1 13 | 8.40 | 4.908 | 31.2 | 0.0 | 2.4 | 9.4 | 0.0 | 1.4 | 0.1 | 34.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 | | | |
| 919 | U1 13 | 8.30 | 4.908 | 31.2 | 0.0 | 2.4 | 9.3 | 0.0 | 1.4 | 0.1 | 34.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 | | | |
| 920 | U1 13 | 8.20 | 4.908 | 31.1 | 0.0 | 2.4 | 9.2 | 0.0 | 1.4 | 0.1 | 35.0 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.942 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 | | | |
| 921 | U1 13 | 8.10 | 4.908 | 31.1 | 0.0 | 2.4 | 9.1 | 0.0 | 1.4 | 0.1 | 35.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 922 | U1 | 13 | 8.00 | 4.908 | 31.1 | 0.0 | 2.4 | 9.0 | 0.0 | 1.4 | 0.1 | 35.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.23 |
| 923 | U1 | 13 | 7.90 | 4.908 | 31.1 | 0.0 | 2.4 | 8.9 | 0.0 | 1.4 | 0.1 | 35.2 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 924 | U1 | 13 | 7.80 | 4.908 | 31.1 | 0.0 | 2.4 | 8.8 | 0.0 | 1.4 | 0.1 | 35.3 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 925 | U1 | 13 | 7.70 | 4.908 | 31.1 | 0.0 | 2.4 | 8.7 | 0.0 | 1.4 | 0.1 | 35.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 926 | U1 | 13 | 7.60 | 4.908 | 31.1 | 0.0 | 2.4 | 8.6 | 0.0 | 1.4 | 0.1 | 35.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 927 | U1 | 13 | 7.50 | 4.908 | 31.1 | 0.0 | 2.4 | 8.5 | 0.0 | 1.4 | 0.1 | 35.5 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.941 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 928 | U1 | 13 | 7.40 | 4.908 | 31.1 | 0.0 | 2.4 | 8.4 | 0.0 | 1.4 | 0.1 | 35.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.22 |
| 929 | U1 | 13 | 7.30 | 4.908 | 31.1 | 0.0 | 2.4 | 8.3 | 0.0 | 1.4 | 0.1 | 35.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 930 | U1 | 13 | 7.20 | 4.908 | 31.1 | 0.0 | 2.4 | 8.2 | 0.0 | 1.4 | 0.1 | 35.7 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 931 | U1 | 13 | 7.10 | 4.908 | 31.1 | 0.0 | 2.5 | 8.1 | 0.0 | 1.4 | 0.1 | 35.8 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 932 | U1 | 13 | 7.00 | 4.908 | 31.0 | 0.0 | 2.5 | 8.0 | 0.0 | 1.4 | 0.1 | 35.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.35 | 3.21 |
| 933 | U1 | 13 | 6.90 | 4.908 | 31.0 | 0.0 | 2.5 | 7.9 | 0.0 | 1.4 | 0.1 | 35.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.21 |
| 934 | U1 | 13 | 6.80 | 4.908 | 31.0 | 0.0 | 2.5 | 7.8 | 0.0 | 1.4 | 0.1 | 36.0 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.21 |
| 935 | U1 | 13 | 6.70 | 4.908 | 31.0 | 0.0 | 2.5 | 7.8 | 0.0 | 1.4 | 0.1 | 36.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.940 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 936 | U1 | 13 | 6.60 | 4.908 | 31.0 | 0.0 | 2.5 | 7.7 | 0.0 | 1.4 | 0.1 | 36.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 937 | U1 | 13 | 6.50 | 4.908 | 31.0 | 0.0 | 2.5 | 7.6 | 0.0 | 1.4 | 0.1 | 36.2 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 938 | U1 | 13 | 6.40 | 4.908 | 31.0 | 0.0 | 2.6 | 7.5 | 0.0 | 1.4 | 0.1 | 36.3 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 939 | U1 | 13 | 6.30 | 4.908 | 31.0 | 0.0 | 2.6 | 7.4 | 0.0 | 1.4 | 0.1 | 36.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 940 | U1 | 13 | 6.20 | 4.908 | 31.0 | 0.0 | 2.6 | 7.3 | 0.0 | 1.4 | 0.1 | 36.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.20 |
| 941 | U1 | 13 | 6.10 | 4.908 | 31.0 | 0.0 | 2.6 | 7.2 | 0.0 | 1.4 | 0.1 | 36.5 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 942 | U1 | 13 | 6.00 | 4.908 | 31.0 | 0.0 | 2.7 | 7.2 | 0.0 | 1.3 | 0.1 | 36.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.939 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 943 | U1 | 13 | 5.90 | 4.908 | 31.0 | 0.0 | 2.7 | 7.1 | 0.0 | 1.3 | 0.1 | 36.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 944 | U1 | 13 | 5.80 | 4.908 | 30.9 | 0.0 | 2.7 | 7.0 | 0.0 | 1.3 | 0.1 | 36.7 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 945 | U1 | 13 | 5.70 | 4.908 | 30.9 | 0.0 | 2.7 | 6.9 | 0.0 | 1.3 | 0.1 | 36.8 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 946 | U1 | 13 | 5.60 | 4.908 | 30.9 | 0.0 | 2.7 | 6.8 | 0.0 | 1.3 | 0.1 | 36.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 947 | U1 | 13 | 5.50 | 4.908 | 30.9 | 0.0 | 2.8 | 6.8 | 0.0 | 1.3 | 0.1 | 36.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 948 | U1 | 13 | 5.40 | 4.908 | 30.9 | 0.0 | 2.8 | 6.7 | 0.0 | 1.3 | 0.1 | 37.0 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 949 | U1 | 13 | 5.30 | 4.908 | 30.9 | 0.0 | 2.8 | 6.6 | 0.0 | 1.3 | 0.1 | 37.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.50 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 950 | U1 | 13 | 5.20 | 4.908 | 30.9 | 0.0 | 2.8 | 6.5 | 0.0 | 1.3 | 0.1 | 37.1 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.938 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 951 | U1 | 13 | 5.10 | 4.908 | 30.9 | 0.0 | 2.9 | 6.5 | 0.0 | 1.3 | 0.1 | 37.2 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |

EXPANDED CAPSULE SUMMARY FOR Upper Grand River #1

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m≤/s | MEAN m | DO m | REAER m/s | BOD1 m/s | BOD1 mg/L | BOD2 1/da | BOD2 1/da | NH3 1/da | SAT 1/da | RATE 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SOD g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 952 | U1 13 | 5.00 | 4.908 | 30.9 | 0.0 | 2.9 | 6.4 | 0.0 | 1.3 | 0.1 | 37.3 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 | | | |
| 953 | U1 13 | 4.90 | 4.908 | 30.9 | 0.0 | 2.9 | 6.3 | 0.0 | 1.3 | 0.1 | 37.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 | | | |
| 954 | U1 13 | 4.80 | 4.908 | 30.9 | 0.0 | 3.0 | 6.3 | 0.0 | 1.3 | 0.1 | 37.4 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 | | | |
| 955 | U1 13 | 4.70 | 4.908 | 30.9 | 0.0 | 3.0 | 6.2 | 0.0 | 1.3 | 0.1 | 37.5 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 | | | |
| 956 | U1 13 | 4.60 | 4.908 | 30.8 | 0.0 | 3.0 | 6.1 | 0.0 | 1.3 | 0.1 | 37.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.17 | | | |
| 957 | U1 13 | 4.50 | 4.908 | 30.8 | 0.0 | 3.0 | 6.1 | 0.0 | 1.3 | 0.1 | 37.6 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.4 | 0.937 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.17 | | | |
| 958 | U1 13 | 4.40 | 4.908 | 30.8 | 0.0 | 3.1 | 6.0 | 0.0 | 1.3 | 0.1 | 37.7 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.5 | 0.936 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.17 | | | |
| 959 | U1 13 | 4.30 | 4.908 | 30.8 | 0.0 | 3.1 | 5.9 | 0.0 | 1.3 | 0.1 | 37.8 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.5 | 0.936 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 | | | |
| 960 | U1 13 | 4.20 | 4.908 | 30.8 | 0.0 | 3.1 | 5.9 | 0.0 | 1.3 | 0.1 | 37.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.5 | 0.936 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 | | | |
| 961 | U1 13 | 4.10 | 4.908 | 30.8 | 0.0 | 3.2 | 5.8 | 0.0 | 1.3 | 0.1 | 37.9 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.5 | 0.936 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 | | | |
| 962 | U1 13 | 4.00 | 4.908 | 30.8 | 0.0 | 3.2 | 5.7 | 0.0 | 1.3 | 0.1 | 38.0 | 0.0 | 1.10 | 88.0 | 0.051 | 0.051 | 7.5 | 0.936 | 0.49 | 0.00 | 0.00 | 0.00 | 0.38 | 3.16 | | | |
| TRIBUTARY # 963 (Lower Flat River) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1007 | U2 15 | 3.90 | 6.878 | 30.8 | 0.0 | 3.4 | 5.9 | 0.0 | 1.4 | 0.1 | 37.0 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.945 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.16 | | | |
| 1008 | U2 15 | 3.80 | 6.878 | 30.8 | 0.0 | 3.4 | 5.8 | 0.0 | 1.4 | 0.1 | 36.1 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.945 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.15 | | | |
| 1009 | U2 15 | 3.70 | 6.878 | 30.7 | 0.0 | 3.4 | 5.8 | 0.0 | 1.4 | 0.1 | 35.2 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.944 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.15 | | | |
| 1010 | U2 15 | 3.60 | 6.878 | 30.7 | 0.0 | 3.5 | 5.7 | 0.0 | 1.4 | 0.1 | 34.2 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.944 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.14 | | | |
| 1011 | U2 15 | 3.50 | 6.878 | 30.7 | 0.0 | 3.5 | 5.7 | 0.0 | 1.4 | 0.1 | 33.2 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.944 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.14 | | | |
| 1012 | U2 15 | 3.40 | 6.878 | 30.7 | 0.0 | 3.5 | 5.7 | 0.0 | 1.4 | 0.1 | 32.3 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.943 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.14 | | | |
| 1013 | U2 15 | 3.30 | 6.878 | 30.7 | 0.0 | 3.5 | 5.6 | 0.0 | 1.4 | 0.1 | 31.4 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.943 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.13 | | | |
| 1014 | U2 15 | 3.20 | 6.878 | 30.7 | 0.0 | 3.5 | 5.6 | 0.0 | 1.4 | 0.1 | 30.4 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.943 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.13 | | | |
| 1015 | U2 15 | 3.10 | 6.878 | 30.6 | 0.0 | 3.5 | 5.5 | 0.0 | 1.4 | 0.1 | 29.5 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.943 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.13 | | | |
| 1016 | U2 15 | 3.00 | 6.878 | 30.6 | 0.0 | 3.5 | 5.5 | 0.0 | 1.4 | 0.1 | 28.5 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.942 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.12 | | | |
| 1017 | U2 15 | 2.90 | 6.878 | 30.6 | 0.0 | 3.5 | 5.5 | 0.0 | 1.4 | 0.1 | 27.5 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.942 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.12 | | | |
| 1018 | U2 15 | 2.80 | 6.878 | 30.6 | 0.0 | 3.6 | 5.4 | 0.0 | 1.4 | 0.1 | 26.6 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.942 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.12 | | | |
| 1019 | U2 15 | 2.70 | 6.878 | 30.6 | 0.0 | 3.6 | 5.4 | 0.0 | 1.4 | 0.1 | 25.6 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.941 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.11 | | | |
| 1020 | U2 15 | 2.60 | 6.878 | 30.6 | 0.0 | 3.6 | 5.4 | 0.0 | 1.4 | 0.1 | 24.7 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.941 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.11 | | | |
| 1021 | U2 15 | 2.50 | 6.878 | 30.5 | 0.0 | 3.6 | 5.3 | 0.0 | 1.4 | 0.1 | 23.8 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.941 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.11 | | | |
| 1022 | U2 15 | 2.40 | 6.878 | 30.5 | 0.0 | 3.6 | 5.3 | 0.0 | 1.3 | 0.1 | 22.8 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.941 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.10 | | | |
| 1023 | U2 15 | 2.30 | 6.878 | 30.5 | 0.0 | 3.6 | 5.3 | 0.0 | 1.3 | 0.1 | 21.9 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.940 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.10 | | | |
| 1024 | U2 15 | 2.20 | 6.878 | 30.5 | 0.0 | 3.6 | 5.2 | 0.0 | 1.3 | 0.1 | 20.9 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.940 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.10 | | | |
| 1025 | U2 15 | 2.10 | 6.878 | 30.5 | 0.0 | 3.6 | 5.2 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.940 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 3.09 | | | |
| 1026 | U2 15 | 2.00 | 6.878 | 30.4 | 0.0 | 3.6 | 5.2 | 0.0 | 1.3 | 0.1 | 19.0 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.939 | 0.48 | 0.00 | 0.00 | 0.00 | 0.39 | 3.09 | | | |
| 1027 | U2 15 | 1.90 | 6.878 | 30.4 | 0.0 | 3.6 | 5.1 | 0.0 | 1.3 | 0.1 | 18.1 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.939 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.09 | | | |
| 1028 | U2 15 | 1.80 | 6.878 | 30.4 | 0.0 | 3.6 | 5.1 | 0.0 | 1.3 | 0.1 | 17.1 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.939 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.08 | | | |
| 1029 | U2 15 | 1.70 | 6.878 | 30.4 | 0.0 | 3.6 | 5.1 | 0.0 | 1.3 | 0.1 | 16.1 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.939 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.08 | | | |
| 1030 | U2 15 | 1.60 | 6.878 | 30.4 | 0.0 | 3.6 | 5.0 | 0.0 | 1.3 | 0.1 | 15.2 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.938 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.08 | | | |
| 1031 | U2 15 | 1.50 | 6.878 | 30.4 | 0.0 | 3.6 | 5.0 | 0.0 | 1.3 | 0.1 | 14.2 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.938 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.07 | | | |
| 1032 | U2 15 | 1.40 | 6.878 | 30.3 | 0.0 | 3.6 | 5.0 | 0.0 | 1.3 | 0.1 | 13.3 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.938 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.07 | | | |
| 1033 | U2 15 | 1.30 | 6.878 | 30.3 | 0.0 | 3.6 | 4.9 | 0.0 | 1.3 | 0.1 | 12.4 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.937 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.07 | | | |
| 1034 | U2 15 | 1.20 | 6.878 | 30.3 | 0.0 | 3.6 | 4.9 | 0.0 | 1.3 | 0.1 | 11.4 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.937 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.06 | | | |
| 1035 | U2 15 | 1.10 | 6.878 | 30.3 | 0.0 | 3.6 | 4.9 | 0.0 | 1.3 | 0.1 | 10.5 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.937 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.06 | | | |
| 1036 | U2 15 | 1.00 | 6.878 | 30.3 | 0.0 | 3.6 | 4.8 | 0.0 | 1.3 | 0.1 | 9.5 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.937 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.06 | | | |
| 1037 | U2 15 | 0.90 | 6.878 | 30.3 | 0.0 | 3.6 | 4.8 | 0.0 | 1.3 | 0.1 | 8.6 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.936 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.05 | | | |
| 1038 | U2 15 | 0.80 | 6.878 | 30.2 | 0.0 | 3.6 | 4.8 | 0.0 | 1.3 | 0.1 | 7.6 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.936 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.05 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1039 | U2 | 15 | 0.70 | 6.878 | 30.2 | 0.0 | 3.6 | 4.7 | 0.0 | 1.3 | 0.1 | 6.7 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.936 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.05 |
| 1040 | U2 | 15 | 0.60 | 6.878 | 30.2 | 0.0 | 3.6 | 4.7 | 0.0 | 1.3 | 0.1 | 5.7 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.935 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.04 |
| 1041 | U2 | 15 | 0.50 | 6.878 | 30.2 | 0.0 | 3.6 | 4.7 | 0.0 | 1.3 | 0.1 | 4.8 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.935 | 0.48 | 0.00 | 0.00 | 0.00 | 0.38 | 3.04 |
| 1042 | U2 | 15 | 0.40 | 6.878 | 30.2 | 0.0 | 3.5 | 4.7 | 0.0 | 1.3 | 0.1 | 3.8 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.935 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.04 |
| 1043 | U2 | 15 | 0.30 | 6.878 | 30.2 | 0.0 | 3.5 | 4.6 | 0.0 | 1.3 | 0.1 | 2.9 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.935 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.03 |
| 1044 | U2 | 15 | 0.20 | 6.878 | 30.1 | 0.0 | 3.5 | 4.6 | 0.0 | 1.3 | 0.1 | 1.9 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.934 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.03 |
| 1045 | U2 | 15 | 0.10 | 6.878 | 30.1 | 0.0 | 3.5 | 4.6 | 0.0 | 1.3 | 0.1 | 1.0 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.934 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.03 |
| 1046 | U2 | 15 | 0.00 | 6.878 | 30.1 | 0.0 | 3.5 | 4.5 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 1.30 | 62.0 | 0.085 | 0.085 | 7.5 | 0.934 | 0.48 | 0.00 | 0.00 | 0.00 | 0.37 | 3.02 |

EXPANDED CAPSULE SUMMARY FOR Lower Flat River

| IOR | REACH | DIST km | FLOW m≥/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m≤/s | ADVEC CHLA m | MEAN DISP m | DO DEPTH m/s | REAER WIDTH m/s | BOD1 VELO mg/L | BOD1 VELO 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SAT SETT 1/da | SOD RATE g/m≤/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | LF 14 | 4.30 | 1.970 | 30.5 | 0.0 | 5.3 | 11.8 | 0.0 | 1.4 | 0.0 | 0.9 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.308 | 0.49 | 0.00 | 0.00 | 0.00 | 0.43 | 2.52 |
| 964 | LF 14 | 4.20 | 1.970 | 30.5 | 0.0 | 5.1 | 11.7 | 0.0 | 1.4 | 0.0 | 1.7 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.308 | 0.49 | 0.00 | 0.00 | 0.00 | 0.43 | 2.52 |
| 965 | LF 14 | 4.10 | 1.970 | 30.5 | 0.0 | 5.0 | 11.5 | 0.0 | 1.4 | 0.0 | 2.6 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.308 | 0.49 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 966 | LF 14 | 4.00 | 1.970 | 30.5 | 0.0 | 4.8 | 11.3 | 0.0 | 1.4 | 0.0 | 3.5 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.308 | 0.49 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 967 | LF 14 | 3.90 | 1.970 | 30.5 | 0.0 | 4.7 | 11.2 | 0.0 | 1.4 | 0.0 | 4.3 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.42 | 2.52 |
| 968 | LF 14 | 3.80 | 1.970 | 30.5 | 0.0 | 4.6 | 11.0 | 0.0 | 1.4 | 0.0 | 5.2 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.52 |
| 969 | LF 14 | 3.70 | 1.970 | 30.5 | 0.0 | 4.4 | 10.8 | 0.0 | 1.4 | 0.0 | 6.0 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.53 |
| 970 | LF 14 | 3.60 | 1.970 | 30.6 | 0.0 | 4.3 | 10.7 | 0.0 | 1.4 | 0.0 | 6.9 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.53 |
| 971 | LF 14 | 3.50 | 1.970 | 30.6 | 0.0 | 4.2 | 10.5 | 0.0 | 1.4 | 0.0 | 7.8 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.41 | 2.53 |
| 972 | LF 14 | 3.40 | 1.970 | 30.6 | 0.0 | 4.1 | 10.4 | 0.0 | 1.4 | 0.0 | 8.6 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 973 | LF 14 | 3.30 | 1.970 | 30.6 | 0.0 | 4.0 | 10.2 | 0.0 | 1.4 | 0.0 | 9.5 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.309 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 974 | LF 14 | 3.20 | 1.970 | 30.6 | 0.0 | 4.0 | 10.1 | 0.0 | 1.4 | 0.0 | 10.4 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.310 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 975 | LF 14 | 3.10 | 1.970 | 30.6 | 0.0 | 3.9 | 9.9 | 0.0 | 1.4 | 0.0 | 11.2 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.310 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 976 | LF 14 | 3.00 | 1.970 | 30.6 | 0.0 | 3.8 | 9.8 | 0.0 | 1.4 | 0.0 | 12.1 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.310 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 977 | LF 14 | 2.90 | 1.970 | 30.6 | 0.0 | 3.8 | 9.6 | 0.0 | 1.4 | 0.0 | 13.0 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.310 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.53 |
| 978 | LF 14 | 2.80 | 1.970 | 30.6 | 0.0 | 3.7 | 9.5 | 0.0 | 1.4 | 0.0 | 13.8 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.310 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 979 | LF 14 | 2.70 | 1.970 | 30.6 | 0.0 | 3.7 | 9.4 | 0.0 | 1.4 | 0.0 | 14.7 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.310 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 980 | LF 14 | 2.60 | 1.970 | 30.6 | 0.0 | 3.6 | 9.2 | 0.0 | 1.4 | 0.0 | 15.5 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 981 | LF 14 | 2.50 | 1.970 | 30.6 | 0.0 | 3.6 | 9.1 | 0.0 | 1.4 | 0.0 | 16.4 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 982 | LF 14 | 2.40 | 1.970 | 30.6 | 0.0 | 3.5 | 9.0 | 0.0 | 1.4 | 0.0 | 17.3 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 983 | LF 14 | 2.30 | 1.970 | 30.6 | 0.0 | 3.5 | 8.8 | 0.0 | 1.4 | 0.0 | 18.1 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 984 | LF 14 | 2.20 | 1.970 | 30.6 | 0.0 | 3.5 | 8.7 | 0.0 | 1.4 | 0.0 | 19.0 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 985 | LF 14 | 2.10 | 1.970 | 30.7 | 0.0 | 3.5 | 8.6 | 0.0 | 1.4 | 0.0 | 19.9 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 986 | LF 14 | 2.00 | 1.970 | 30.7 | 0.0 | 3.5 | 8.5 | 0.0 | 1.4 | 0.0 | 20.7 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.311 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.54 |
| 987 | LF 14 | 1.90 | 1.970 | 30.7 | 0.0 | 3.5 | 8.3 | 0.0 | 1.4 | 0.0 | 21.6 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.312 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 988 | LF 14 | 1.80 | 1.970 | 30.7 | 0.0 | 3.5 | 8.2 | 0.0 | 1.4 | 0.0 | 22.5 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.312 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 989 | LF 14 | 1.70 | 1.970 | 30.7 | 0.0 | 3.4 | 8.1 | 0.0 | 1.4 | 0.0 | 23.3 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.312 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 990 | LF 14 | 1.60 | 1.970 | 30.7 | 0.0 | 3.5 | 8.0 | 0.0 | 1.4 | 0.0 | 24.2 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.312 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 991 | LF 14 | 1.50 | 1.970 | 30.7 | 0.0 | 3.5 | 7.9 | 0.0 | 1.4 | 0.0 | 25.0 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.312 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 992 | LF 14 | 1.40 | 1.970 | 30.7 | 0.0 | 3.5 | 7.7 | 0.0 | 1.4 | 0.0 | 25.9 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.312 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 993 | LF 14 | 1.30 | 1.970 | 30.7 | 0.0 | 3.5 | 7.6 | 0.0 | 1.4 | 0.0 | 26.8 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 994 | LF 14 | 1.20 | 1.970 | 30.7 | 0.0 | 3.5 | 7.5 | 0.0 | 1.4 | 0.0 | 27.6 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 995 | LF 14 | 1.10 | 1.970 | 30.7 | 0.0 | 3.5 | 7.4 | 0.0 | 1.4 | 0.0 | 28.5 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.55 |
| 996 | LF 14 | 1.00 | 1.970 | 30.7 | 0.0 | 3.5 | 7.3 | 0.0 | 1.4 | 0.0 | 29.4 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.56 |
| 997 | LF 14 | 0.90 | 1.970 | 30.7 | 0.0 | 3.6 | 7.2 | 0.0 | 1.4 | 0.0 | 30.2 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.56 |
| 998 | LF 14 | 0.80 | 1.970 | 30.7 | 0.0 | 3.6 | 7.1 | 0.0 | 1.4 | 0.1 | 31.1 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.39 | 2.56 |
| 999 | LF 14 | 0.70 | 1.970 | 30.8 | 0.0 | 3.6 | 7.0 | 0.0 | 1.4 | 0.1 | 32.0 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.313 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 1000 | LF 14 | 0.60 | 1.970 | 30.8 | 0.0 | 3.6 | 6.9 | 0.0 | 1.4 | 0.1 | 32.8 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.314 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 1001 | LF 14 | 0.50 | 1.970 | 30.8 | 0.0 | 3.7 | 6.8 | 0.0 | 1.4 | 0.1 | 33.7 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.314 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 1002 | LF 14 | 0.40 | 1.970 | 30.8 | 0.0 | 3.7 | 6.7 | 0.0 | 1.4 | 0.1 | 34.5 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.314 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 1003 | LF 14 | 0.30 | 1.970 | 30.8 | 0.0 | 3.7 | 6.6 | 0.0 | 1.4 | 0.1 | 35.4 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.314 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 1004 | LF 14 | 0.20 | 1.970 | 30.8 | 0.0 | 3.8 | 6.5 | 0.0 | 1.4 | 0.1 | 36.3 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.314 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.56 |
| 1005 | LF 14 | 0.10 | 1.970 | 30.8 | 0.0 | 3.8 | 6.4 | 0.0 | 1.4 | 0.1 | 37.1 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.314 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.57 |
| 1006 | LF 14 | 0.00 | 1.970 | 30.8 | 0.0 | 3.9 | 6.3 | 0.0 | 1.4 | 0.1 | 38.0 | 0.0 | 0.80 | 64.0 | 0.038 | 0.038 | 7.5 | 1.315 | 0.49 | 0.00 | 0.00 | 0.00 | 0.40 | 2.57 |

SPECIAL REPORT: Bayou Cholpe #1
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.500 | 24.75 | 0.0 | 0.0 | 0.0 | 4.22 | 4.70 | 0.00 | 4.70 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 2 | 55.400 | 24.89 | 0.0 | 0.0 | 0.0 | 4.34 | 4.70 | 0.00 | 4.70 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 3 | 55.300 | 25.04 | 0.0 | 0.0 | 0.0 | 4.45 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 4 | 55.200 | 25.19 | 0.0 | 0.0 | 0.0 | 4.56 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 5 | 55.100 | 25.33 | 0.0 | 0.0 | 0.0 | 4.67 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 6 | 55.000 | 25.48 | 0.0 | 0.0 | 0.0 | 4.77 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 7 | 54.900 | 25.63 | 0.0 | 0.0 | 0.0 | 4.87 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 8 | 54.800 | 25.77 | 0.0 | 0.0 | 0.0 | 4.96 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 9 | 54.700 | 25.92 | 0.0 | 0.0 | 0.0 | 5.05 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 10 | 54.600 | 26.07 | 0.0 | 0.0 | 0.0 | 5.14 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 11 | 54.500 | 26.21 | 0.0 | 0.0 | 0.0 | 5.22 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 12 | 54.400 | 26.36 | 0.0 | 0.0 | 0.0 | 5.30 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 13 | 54.300 | 26.51 | 0.0 | 0.0 | 0.0 | 5.38 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 14 | 54.200 | 26.65 | 0.0 | 0.0 | 0.0 | 5.45 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 15 | 54.100 | 26.80 | 0.0 | 0.0 | 0.0 | 5.52 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 16 | 54.000 | 26.95 | 0.0 | 0.0 | 0.0 | 5.59 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 17 | 53.900 | 27.09 | 0.0 | 0.0 | 0.0 | 5.65 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 18 | 53.800 | 27.24 | 0.0 | 0.0 | 0.0 | 5.71 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 19 | 53.700 | 27.39 | 0.0 | 0.0 | 0.0 | 5.77 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 20 | 53.600 | 27.53 | 0.0 | 0.0 | 0.0 | 5.83 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 21 | 53.500 | 27.68 | 0.0 | 0.0 | 0.0 | 5.88 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 22 | 53.400 | 27.83 | 0.0 | 0.0 | 0.0 | 5.93 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 23 | 53.300 | 27.97 | 0.0 | 0.0 | 0.0 | 5.98 | 4.64 | 0.00 | 4.64 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 24 | 53.200 | 28.12 | 0.0 | 0.0 | 0.0 | 6.03 | 4.64 | 0.00 | 4.64 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 25 | 53.100 | 28.27 | 0.0 | 0.0 | 0.0 | 6.07 | 4.64 | 0.00 | 4.64 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 26 | 53.000 | 28.41 | 0.0 | 0.0 | 0.0 | 6.11 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 27 | 52.900 | 28.56 | 0.0 | 0.0 | 0.0 | 6.15 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 28 | 52.800 | 28.71 | 0.0 | 0.0 | 0.0 | 6.19 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 29 | 52.700 | 28.85 | 0.0 | 0.0 | 0.0 | 6.23 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 30 | 52.600 | 29.00 | 0.0 | 0.0 | 0.0 | 6.26 | 4.62 | 0.00 | 4.62 | 0.00 | 2.39 | 0.03 | 1.50 | 3.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 31 | 52.500 | 29.00 | 0.0 | 0.0 | 0.0 | 6.03 | 4.80 | 0.00 | 4.80 | 0.00 | 2.33 | 0.04 | 1.41 | 3.78 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 32 | 52.400 | 29.00 | 0.0 | 0.0 | 0.0 | 5.84 | 4.95 | 0.00 | 4.95 | 0.00 | 2.28 | 0.04 | 1.33 | 3.65 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 33 | 52.300 | 29.00 | 0.0 | 0.0 | 0.0 | 5.68 | 5.09 | 0.00 | 5.09 | 0.00 | 2.23 | 0.04 | 1.26 | 3.53 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 34 | 52.200 | 29.00 | 0.0 | 0.0 | 0.0 | 5.54 | 5.21 | 0.00 | 5.21 | 0.00 | 2.19 | 0.04 | 1.20 | 3.43 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 35 | 52.100 | 29.00 | 0.0 | 0.0 | 0.0 | 5.43 | 5.31 | 0.00 | 5.31 | 0.00 | 2.15 | 0.04 | 1.14 | 3.33 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 36 | 52.000 | 29.00 | 0.0 | 0.0 | 0.0 | 5.33 | 5.40 | 0.00 | 5.40 | 0.00 | 2.12 | 0.04 | 1.09 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 37 | 51.900 | 29.00 | 0.0 | 0.0 | 0.0 | 5.24 | 5.49 | 0.00 | 5.49 | 0.00 | 2.08 | 0.04 | 1.04 | 3.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 38 | 51.800 | 29.00 | 0.0 | 0.0 | 0.0 | 5.17 | 5.56 | 0.00 | 5.56 | 0.00 | 2.06 | 0.05 | 1.00 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 39 | 51.700 | 29.00 | 0.0 | 0.0 | 0.0 | 5.10 | 5.63 | 0.00 | 5.63 | 0.00 | 2.03 | 0.05 | 0.96 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 40 | 51.600 | 29.00 | 0.0 | 0.0 | 0.0 | 5.04 | 5.69 | 0.00 | 5.69 | 0.00 | 2.00 | 0.05 | 0.92 | 2.97 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 41 | 51.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.99 | 5.75 | 0.00 | 5.75 | 0.00 | 1.98 | 0.05 | 0.89 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 42 | 51.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.95 | 5.80 | 0.00 | 5.80 | 0.00 | 1.96 | 0.05 | 0.86 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 43 | 51.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.91 | 5.85 | 0.00 | 5.85 | 0.00 | 1.94 | 0.05 | 0.83 | 2.82 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 44 | 51.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.87 | 5.89 | 0.00 | 5.89 | 0.00 | 1.92 | 0.05 | 0.80 | 2.77 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 51.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.84 | 5.93 | 0.00 | 5.93 | 0.00 | 1.91 | 0.05 | 0.78 | 2.73 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 46 | 51.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.81 | 5.97 | 0.00 | 5.97 | 0.00 | 1.89 | 0.05 | 0.75 | 2.69 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 47 | 50.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.78 | 6.00 | 0.00 | 6.00 | 0.00 | 1.88 | 0.05 | 0.73 | 2.66 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 48 | 50.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.75 | 6.03 | 0.00 | 6.03 | 0.00 | 1.86 | 0.05 | 0.71 | 2.62 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 49 | 50.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.73 | 6.06 | 0.00 | 6.06 | 0.00 | 1.85 | 0.05 | 0.69 | 2.59 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 50 | 50.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.71 | 6.09 | 0.00 | 6.09 | 0.00 | 1.84 | 0.05 | 0.67 | 2.56 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 51 | 50.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.69 | 6.12 | 0.00 | 6.12 | 0.00 | 1.83 | 0.05 | 0.65 | 2.53 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 52 | 50.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.67 | 6.14 | 0.00 | 6.14 | 0.00 | 1.82 | 0.05 | 0.64 | 2.50 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 53 | 50.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.66 | 6.16 | 0.00 | 6.16 | 0.00 | 1.81 | 0.05 | 0.62 | 2.47 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 54 | 50.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.64 | 6.19 | 0.00 | 6.19 | 0.00 | 1.80 | 0.05 | 0.61 | 2.45 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 55 | 50.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.63 | 6.21 | 0.00 | 6.21 | 0.00 | 1.79 | 0.05 | 0.59 | 2.43 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 56 | 50.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.62 | 6.23 | 0.00 | 6.23 | 0.00 | 1.78 | 0.05 | 0.58 | 2.40 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 57 | 49.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.61 | 6.24 | 0.00 | 6.24 | 0.00 | 1.77 | 0.05 | 0.57 | 2.38 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 58 | 49.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.59 | 6.26 | 0.00 | 6.26 | 0.00 | 1.76 | 0.05 | 0.55 | 2.36 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 59 | 49.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.58 | 6.28 | 0.00 | 6.28 | 0.00 | 1.75 | 0.05 | 0.54 | 2.34 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 60 | 49.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.57 | 6.29 | 0.00 | 6.29 | 0.00 | 1.75 | 0.05 | 0.53 | 2.32 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 61 | 49.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.56 | 6.31 | 0.00 | 6.31 | 0.00 | 1.74 | 0.05 | 0.52 | 2.31 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 62 | 49.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.56 | 6.32 | 0.00 | 6.32 | 0.00 | 1.73 | 0.05 | 0.51 | 2.29 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 63 | 49.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.55 | 6.33 | 0.00 | 6.33 | 0.00 | 1.73 | 0.05 | 0.50 | 2.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 64 | 49.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.54 | 6.35 | 0.00 | 6.35 | 0.00 | 1.72 | 0.05 | 0.49 | 2.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 65 | 49.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.53 | 6.36 | 0.00 | 6.36 | 0.00 | 1.71 | 0.05 | 0.48 | 2.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 66 | 49.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.53 | 6.37 | 0.00 | 6.37 | 0.00 | 1.71 | 0.05 | 0.47 | 2.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 67 | 48.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.52 | 6.38 | 0.00 | 6.38 | 0.00 | 1.70 | 0.05 | 0.46 | 2.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 68 | 48.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.52 | 6.39 | 0.00 | 6.39 | 0.00 | 1.70 | 0.05 | 0.46 | 2.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 69 | 48.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.40 | 0.00 | 6.40 | 0.00 | 1.69 | 0.05 | 0.45 | 2.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 70 | 48.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.41 | 0.00 | 6.41 | 0.00 | 1.69 | 0.05 | 0.44 | 2.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 71 | 48.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.42 | 0.00 | 6.42 | 0.00 | 1.68 | 0.05 | 0.43 | 2.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 72 | 48.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.43 | 0.00 | 6.43 | 0.00 | 1.68 | 0.05 | 0.43 | 2.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 73 | 48.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.44 | 0.00 | 6.44 | 0.00 | 1.67 | 0.05 | 0.42 | 2.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 74 | 48.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.44 | 0.00 | 6.44 | 0.00 | 1.67 | 0.05 | 0.41 | 2.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 75 | 48.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.45 | 0.00 | 6.45 | 0.00 | 1.67 | 0.05 | 0.41 | 2.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 76 | 48.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.51 | 6.46 | 0.00 | 6.46 | 0.00 | 1.66 | 0.05 | 0.40 | 2.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 77 | 47.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.52 | 6.47 | 0.00 | 6.47 | 0.00 | 1.66 | 0.05 | 0.40 | 2.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 78 | 47.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.52 | 6.47 | 0.00 | 6.47 | 0.00 | 1.65 | 0.05 | 0.39 | 2.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 79 | 47.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.52 | 6.48 | 0.00 | 6.48 | 0.00 | 1.65 | 0.05 | 0.38 | 2.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 80 | 47.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.53 | 6.49 | 0.00 | 6.49 | 0.00 | 1.65 | 0.05 | 0.38 | 2.07 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 81 | 47.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.53 | 6.49 | 0.00 | 6.49 | 0.00 | 1.64 | 0.05 | 0.37 | 2.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 82 | 47.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.53 | 6.50 | 0.00 | 6.50 | 0.00 | 1.64 | 0.05 | 0.37 | 2.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 83 | 47.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.54 | 6.51 | 0.00 | 6.51 | 0.00 | 1.64 | 0.05 | 0.36 | 2.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 84 | 47.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.54 | 6.51 | 0.00 | 6.51 | 0.00 | 1.63 | 0.05 | 0.36 | 2.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 85 | 47.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.55 | 6.52 | 0.00 | 6.52 | 0.00 | 1.63 | 0.05 | 0.35 | 2.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 86 | 47.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.56 | 6.52 | 0.00 | 6.52 | 0.00 | 1.63 | 0.05 | 0.35 | 2.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 87 | 46.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.56 | 6.53 | 0.00 | 6.53 | 0.00 | 1.63 | 0.05 | 0.34 | 2.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 88 | 46.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.57 | 6.53 | 0.00 | 6.53 | 0.00 | 1.62 | 0.05 | 0.34 | 2.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 89 | 46.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.57 | 6.54 | 0.00 | 6.54 | 0.00 | 1.62 | 0.05 | 0.34 | 2.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 90 | 46.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.58 | 6.54 | 0.00 | 6.54 | 0.00 | 1.62 | 0.05 | 0.33 | 2.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 91 | 46.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.59 | 6.55 | 0.00 | 6.55 | 0.00 | 1.62 | 0.05 | 0.33 | 1.99 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 92 | 46.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.59 | 6.55 | 0.00 | 6.55 | 0.00 | 1.61 | 0.05 | 0.32 | 1.98 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 93 | 46.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.60 | 6.55 | 0.00 | 6.55 | 0.00 | 1.61 | 0.05 | 0.32 | 1.98 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 94 | 46.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.61 | 6.56 | 0.00 | 6.56 | 0.00 | 1.61 | 0.05 | 0.32 | 1.97 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 46.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.62 | 6.56 | 0.00 | 6.56 | 0.00 | 1.61 | 0.05 | 0.31 | 1.97 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 96 | 46.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.62 | 6.57 | 0.00 | 6.57 | 0.00 | 1.60 | 0.05 | 0.31 | 1.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 97 | 45.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.63 | 6.57 | 0.00 | 6.57 | 0.00 | 1.60 | 0.05 | 0.31 | 1.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 98 | 45.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.64 | 6.57 | 0.00 | 6.57 | 0.00 | 1.60 | 0.05 | 0.30 | 1.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 99 | 45.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.64 | 6.58 | 0.00 | 6.58 | 0.00 | 1.60 | 0.05 | 0.30 | 1.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 100 | 45.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.65 | 6.58 | 0.00 | 6.58 | 0.00 | 1.60 | 0.05 | 0.30 | 1.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 101 | 45.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.66 | 6.58 | 0.00 | 6.58 | 0.00 | 1.59 | 0.05 | 0.29 | 1.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 102 | 45.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.67 | 6.59 | 0.00 | 6.59 | 0.00 | 1.59 | 0.05 | 0.29 | 1.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 103 | 45.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.67 | 6.59 | 0.00 | 6.59 | 0.00 | 1.59 | 0.05 | 0.29 | 1.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 104 | 45.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.68 | 6.59 | 0.00 | 6.59 | 0.00 | 1.59 | 0.05 | 0.29 | 1.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 105 | 45.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.69 | 6.60 | 0.00 | 6.60 | 0.00 | 1.59 | 0.04 | 0.28 | 1.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 106 | 45.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.70 | 6.60 | 0.00 | 6.60 | 0.00 | 1.58 | 0.04 | 0.28 | 1.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 107 | 44.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.71 | 6.60 | 0.00 | 6.60 | 0.00 | 1.58 | 0.04 | 0.28 | 1.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 108 | 44.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.71 | 6.60 | 0.00 | 6.60 | 0.00 | 1.58 | 0.04 | 0.27 | 1.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 109 | 44.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.72 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.27 | 1.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 110 | 44.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.73 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.27 | 1.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 111 | 44.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.74 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.27 | 1.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 112 | 44.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.74 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.26 | 1.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 113 | 44.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.75 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 114 | 44.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.76 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 115 | 44.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.77 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 116 | 44.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.77 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 117 | 43.900 | 29.00 | 0.0 | 0.0 | 0.0 | 4.78 | 6.63 | 0.00 | 6.63 | 0.00 | 1.57 | 0.04 | 0.25 | 1.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 118 | 43.800 | 29.00 | 0.0 | 0.0 | 0.0 | 4.79 | 6.63 | 0.00 | 6.63 | 0.00 | 1.57 | 0.04 | 0.25 | 1.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 119 | 43.700 | 29.00 | 0.0 | 0.0 | 0.0 | 4.80 | 6.63 | 0.00 | 6.63 | 0.00 | 1.57 | 0.04 | 0.25 | 1.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 120 | 43.600 | 29.00 | 0.0 | 0.0 | 0.0 | 4.81 | 6.63 | 0.00 | 6.63 | 0.00 | 1.56 | 0.04 | 0.25 | 1.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 121 | 43.500 | 29.00 | 0.0 | 0.0 | 0.0 | 4.81 | 6.63 | 0.00 | 6.63 | 0.00 | 1.56 | 0.04 | 0.24 | 1.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 122 | 43.400 | 29.00 | 0.0 | 0.0 | 0.0 | 4.82 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 123 | 43.300 | 29.00 | 0.0 | 0.0 | 0.0 | 4.83 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 124 | 43.200 | 29.00 | 0.0 | 0.0 | 0.0 | 4.84 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 125 | 43.100 | 29.00 | 0.0 | 0.0 | 0.0 | 4.84 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 229 | 43.000 | 29.05 | 0.0 | 0.0 | 0.0 | 4.34 | 13.25 | 0.00 | 13.25 | 0.00 | 1.79 | 0.05 | 0.40 | 2.24 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 230 | 42.900 | 29.11 | 0.0 | 0.0 | 0.0 | 3.93 | 12.30 | 0.00 | 12.30 | 0.00 | 1.56 | 0.07 | 0.57 | 2.20 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 231 | 42.800 | 29.16 | 0.0 | 0.0 | 0.0 | 3.73 | 12.32 | 0.00 | 12.32 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 232 | 42.700 | 29.21 | 0.0 | 0.0 | 0.0 | 3.55 | 12.34 | 0.00 | 12.34 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 6.1 | 0.0 | 0. | 0.00 |
| 233 | 42.600 | 29.27 | 0.0 | 0.0 | 0.0 | 3.38 | 12.36 | 0.00 | 12.36 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 7.7 | 0.0 | 0. | 0.00 |
| 234 | 42.500 | 29.32 | 0.0 | 0.0 | 0.0 | 3.22 | 12.38 | 0.00 | 12.38 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 9.2 | 0.0 | 0. | 0.00 |
| 235 | 42.400 | 29.37 | 0.0 | 0.0 | 0.0 | 3.08 | 12.39 | 0.00 | 12.39 | 0.00 | 1.54 | 0.07 | 0.57 | 2.19 | 0.00 | 10.7 | 0.0 | 0. | 0.00 |
| 236 | 42.300 | 29.43 | 0.0 | 0.0 | 0.0 | 2.94 | 12.41 | 0.00 | 12.41 | 0.00 | 1.54 | 0.07 | 0.57 | 2.18 | 0.00 | 12.3 | 0.0 | 0. | 0.00 |
| 237 | 42.200 | 29.48 | 0.0 | 0.0 | 0.0 | 2.82 | 12.43 | 0.00 | 12.43 | 0.00 | 1.54 | 0.08 | 0.57 | 2.18 | 0.00 | 13.8 | 0.0 | 0. | 0.00 |
| 238 | 42.100 | 29.53 | 0.0 | 0.0 | 0.0 | 2.70 | 12.44 | 0.00 | 12.44 | 0.00 | 1.54 | 0.08 | 0.56 | 2.17 | 0.00 | 15.3 | 0.0 | 0. | 0.00 |
| 239 | 42.000 | 29.59 | 0.0 | 0.0 | 0.0 | 2.60 | 12.46 | 0.00 | 12.46 | 0.00 | 1.53 | 0.08 | 0.56 | 2.17 | 0.00 | 16.9 | 0.0 | 0. | 0.00 |
| 240 | 41.900 | 29.64 | 0.0 | 0.0 | 0.0 | 2.50 | 12.47 | 0.00 | 12.47 | 0.00 | 1.53 | 0.08 | 0.56 | 2.16 | 0.00 | 18.4 | 0.0 | 0. | 0.00 |
| 241 | 41.800 | 29.70 | 0.0 | 0.0 | 0.0 | 2.42 | 12.49 | 0.00 | 12.49 | 0.00 | 1.53 | 0.08 | 0.55 | 2.16 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 242 | 41.700 | 29.75 | 0.0 | 0.0 | 0.0 | 2.34 | 12.50 | 0.00 | 12.50 | 0.00 | 1.52 | 0.08 | 0.55 | 2.15 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 243 | 41.600 | 29.80 | 0.0 | 0.0 | 0.0 | 2.27 | 12.51 | 0.00 | 12.51 | 0.00 | 1.52 | 0.08 | 0.54 | 2.15 | 0.00 | 23.0 | 0.0 | 0. | 0.00 |
| 244 | 41.500 | 29.86 | 0.0 | 0.0 | 0.0 | 2.22 | 12.52 | 0.00 | 12.52 | 0.00 | 1.52 | 0.08 | 0.54 | 2.14 | 0.00 | 24.6 | 0.0 | 0. | 0.00 |
| 245 | 41.400 | 29.91 | 0.0 | 0.0 | 0.0 | 2.17 | 12.54 | 0.00 | 12.54 | 0.00 | 1.52 | 0.08 | 0.53 | 2.13 | 0.00 | 26.1 | 0.0 | 0. | 0.00 |
| 246 | 41.300 | 29.96 | 0.0 | 0.0 | 0.0 | 2.13 | 12.55 | 0.00 | 12.55 | 0.00 | 1.51 | 0.08 | 0.53 | 2.12 | 0.00 | 27.6 | 0.0 | 0. | 0.00 |
| 247 | 41.200 | 30.02 | 0.0 | 0.0 | 0.0 | 2.10 | 12.56 | 0.00 | 12.56 | 0.00 | 1.51 | 0.08 | 0.52 | 2.12 | 0.00 | 29.2 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 248 | 41.100 | 30.07 | 0.0 | 0.0 | 0.0 | 2.08 | 12.57 | 0.00 | 12.57 | 0.00 | 1.51 | 0.08 | 0.51 | 2.11 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 249 | 41.000 | 30.12 | 0.0 | 0.0 | 0.0 | 2.06 | 12.58 | 0.00 | 12.58 | 0.00 | 1.51 | 0.09 | 0.51 | 2.10 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 250 | 40.900 | 30.18 | 0.0 | 0.0 | 0.0 | 2.06 | 12.59 | 0.00 | 12.59 | 0.00 | 1.50 | 0.09 | 0.50 | 2.09 | 0.00 | 33.8 | 0.0 | 0. | 0.00 |
| 251 | 40.800 | 30.23 | 0.0 | 0.0 | 0.0 | 2.06 | 12.60 | 0.00 | 12.60 | 0.00 | 1.50 | 0.09 | 0.49 | 2.08 | 0.00 | 35.3 | 0.0 | 0. | 0.00 |
| 252 | 40.700 | 30.28 | 0.0 | 0.0 | 0.0 | 2.07 | 12.60 | 0.00 | 12.60 | 0.00 | 1.50 | 0.09 | 0.48 | 2.07 | 0.00 | 36.8 | 0.0 | 0. | 0.00 |
| 253 | 40.600 | 30.34 | 0.0 | 0.0 | 0.0 | 2.09 | 12.61 | 0.00 | 12.61 | 0.00 | 1.50 | 0.09 | 0.47 | 2.06 | 0.00 | 38.4 | 0.0 | 0. | 0.00 |
| 254 | 40.500 | 30.39 | 0.0 | 0.0 | 0.0 | 2.12 | 12.62 | 0.00 | 12.62 | 0.00 | 1.49 | 0.09 | 0.46 | 2.04 | 0.00 | 39.9 | 0.0 | 0. | 0.00 |
| 255 | 40.400 | 30.44 | 0.0 | 0.0 | 0.0 | 2.15 | 12.62 | 0.00 | 12.62 | 0.00 | 1.49 | 0.09 | 0.45 | 2.03 | 0.00 | 41.4 | 0.0 | 0. | 0.00 |
| 256 | 40.300 | 30.50 | 0.0 | 0.0 | 0.0 | 2.19 | 12.63 | 0.00 | 12.63 | 0.00 | 1.49 | 0.09 | 0.44 | 2.02 | 0.00 | 43.0 | 0.0 | 0. | 0.00 |
| 257 | 40.200 | 30.55 | 0.0 | 0.0 | 0.0 | 2.24 | 12.64 | 0.00 | 12.64 | 0.00 | 1.49 | 0.09 | 0.43 | 2.01 | 0.00 | 44.5 | 0.0 | 0. | 0.00 |
| 258 | 40.100 | 30.60 | 0.0 | 0.0 | 0.0 | 2.29 | 12.64 | 0.00 | 12.64 | 0.00 | 1.48 | 0.09 | 0.42 | 1.99 | 0.00 | 46.0 | 0.0 | 0. | 0.00 |
| 259 | 40.000 | 30.66 | 0.0 | 0.0 | 0.0 | 2.35 | 12.65 | 0.00 | 12.65 | 0.00 | 1.48 | 0.09 | 0.41 | 1.98 | 0.00 | 47.6 | 0.0 | 0. | 0.00 |
| 260 | 39.900 | 30.71 | 0.0 | 0.0 | 0.0 | 2.42 | 12.65 | 0.00 | 12.65 | 0.00 | 1.48 | 0.09 | 0.40 | 1.97 | 0.00 | 49.1 | 0.0 | 0. | 0.00 |
| 261 | 39.800 | 30.77 | 0.0 | 0.0 | 0.0 | 2.49 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.38 | 1.95 | 0.00 | 50.7 | 0.0 | 0. | 0.00 |
| 262 | 39.700 | 30.82 | 0.0 | 0.0 | 0.0 | 2.57 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.37 | 1.94 | 0.00 | 52.2 | 0.0 | 0. | 0.00 |
| 263 | 39.600 | 30.87 | 0.0 | 0.0 | 0.0 | 2.66 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.36 | 1.92 | 0.00 | 53.7 | 0.0 | 0. | 0.00 |
| 264 | 39.500 | 30.93 | 0.0 | 0.0 | 0.0 | 2.75 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.34 | 1.90 | 0.00 | 55.3 | 0.0 | 0. | 0.00 |
| 265 | 39.400 | 30.98 | 0.0 | 0.0 | 0.0 | 2.85 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.33 | 1.89 | 0.00 | 56.8 | 0.0 | 0. | 0.00 |
| 266 | 39.300 | 31.03 | 0.0 | 0.0 | 0.0 | 2.96 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.31 | 1.87 | 0.00 | 58.3 | 0.0 | 0. | 0.00 |
| 267 | 39.200 | 31.09 | 0.0 | 0.0 | 0.0 | 3.07 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.30 | 1.85 | 0.00 | 59.9 | 0.0 | 0. | 0.00 |
| 268 | 39.100 | 31.14 | 0.0 | 0.0 | 0.0 | 3.19 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.28 | 1.83 | 0.00 | 61.4 | 0.0 | 0. | 0.00 |
| 269 | 39.000 | 31.19 | 0.0 | 0.0 | 0.0 | 3.31 | 12.67 | 0.00 | 12.67 | 0.00 | 1.45 | 0.09 | 0.27 | 1.81 | 0.00 | 62.9 | 0.0 | 0. | 0.00 |
| 270 | 38.900 | 31.25 | 0.0 | 0.0 | 0.0 | 3.44 | 12.67 | 0.00 | 12.67 | 0.00 | 1.45 | 0.09 | 0.25 | 1.79 | 0.00 | 64.5 | 0.0 | 0. | 0.00 |
| 271 | 38.800 | 31.30 | 0.0 | 0.0 | 0.0 | 3.57 | 12.68 | 0.00 | 12.68 | 0.00 | 1.45 | 0.09 | 0.23 | 1.77 | 0.00 | 66.0 | 0.0 | 0. | 0.00 |
| 347 | 38.700 | 31.29 | 0.0 | 0.0 | 0.0 | 3.96 | 12.58 | 0.00 | 12.58 | 0.00 | 1.45 | 0.09 | 0.20 | 1.74 | 0.00 | 65.1 | 0.0 | 0. | 0.00 |
| 348 | 38.600 | 31.28 | 0.0 | 0.0 | 0.0 | 4.32 | 12.53 | 0.00 | 12.53 | 0.00 | 1.44 | 0.09 | 0.18 | 1.71 | 0.00 | 64.2 | 0.0 | 0. | 0.00 |
| 349 | 38.500 | 31.26 | 0.0 | 0.0 | 0.0 | 4.66 | 12.48 | 0.00 | 12.48 | 0.00 | 1.44 | 0.09 | 0.15 | 1.68 | 0.00 | 63.3 | 0.0 | 0. | 0.00 |
| 350 | 38.400 | 31.25 | 0.0 | 0.0 | 0.0 | 4.98 | 12.44 | 0.00 | 12.44 | 0.00 | 1.44 | 0.09 | 0.12 | 1.65 | 0.00 | 62.4 | 0.0 | 0. | 0.00 |
| 351 | 38.300 | 31.24 | 0.0 | 0.0 | 0.0 | 5.28 | 12.39 | 0.00 | 12.39 | 0.00 | 1.43 | 0.09 | 0.10 | 1.62 | 0.00 | 61.5 | 0.0 | 0. | 0.00 |
| 352 | 38.200 | 31.23 | 0.0 | 0.0 | 0.0 | 5.56 | 12.34 | 0.00 | 12.34 | 0.00 | 1.43 | 0.09 | 0.08 | 1.59 | 0.00 | 60.6 | 0.0 | 0. | 0.00 |
| 353 | 38.100 | 31.21 | 0.0 | 0.0 | 0.0 | 5.83 | 12.30 | 0.00 | 12.30 | 0.00 | 1.42 | 0.09 | 0.05 | 1.56 | 0.00 | 59.7 | 0.0 | 0. | 0.00 |
| 354 | 38.000 | 31.20 | 0.0 | 0.0 | 0.0 | 6.08 | 12.25 | 0.00 | 12.25 | 0.00 | 1.42 | 0.09 | 0.03 | 1.54 | 0.00 | 58.8 | 0.0 | 0. | 0.00 |
| 355 | 37.900 | 31.19 | 0.0 | 0.0 | 0.0 | 6.31 | 12.21 | 0.00 | 12.21 | 0.00 | 1.42 | 0.09 | 0.00 | 1.51 | 0.00 | 57.9 | 0.0 | 0. | 0.00 |
| 356 | 37.800 | 31.18 | 0.0 | 0.0 | 0.0 | 6.53 | 12.17 | 0.00 | 12.17 | 0.00 | 1.41 | 0.09 | 0.00 | 1.50 | 0.00 | 57.0 | 0.0 | 0. | 0.00 |
| 357 | 37.700 | 31.16 | 0.0 | 0.0 | 0.0 | 6.73 | 12.13 | 0.00 | 12.13 | 0.00 | 1.41 | 0.09 | 0.00 | 1.49 | 0.00 | 56.1 | 0.0 | 0. | 0.00 |
| 358 | 37.600 | 31.15 | 0.0 | 0.0 | 0.0 | 6.92 | 12.09 | 0.00 | 12.09 | 0.00 | 1.40 | 0.09 | 0.00 | 1.49 | 0.00 | 55.2 | 0.0 | 0. | 0.00 |
| 359 | 37.500 | 31.14 | 0.0 | 0.0 | 0.0 | 7.09 | 12.05 | 0.00 | 12.05 | 0.00 | 1.40 | 0.08 | 0.00 | 1.48 | 0.00 | 54.2 | 0.0 | 0. | 0.00 |
| 360 | 37.400 | 31.13 | 0.0 | 0.0 | 0.0 | 7.25 | 12.01 | 0.00 | 12.01 | 0.00 | 1.40 | 0.08 | 0.00 | 1.48 | 0.00 | 53.3 | 0.0 | 0. | 0.00 |
| 361 | 37.300 | 31.12 | 0.0 | 0.0 | 0.0 | 7.40 | 11.98 | 0.00 | 11.98 | 0.00 | 1.39 | 0.08 | 0.00 | 1.48 | 0.00 | 52.4 | 0.0 | 0. | 0.00 |
| 362 | 37.200 | 31.10 | 0.0 | 0.0 | 0.0 | 7.54 | 11.94 | 0.00 | 11.94 | 0.00 | 1.39 | 0.08 | 0.00 | 1.47 | 0.00 | 51.5 | 0.0 | 0. | 0.00 |
| 363 | 37.100 | 31.09 | 0.0 | 0.0 | 0.0 | 7.66 | 11.90 | 0.00 | 11.90 | 0.00 | 1.38 | 0.08 | 0.00 | 1.47 | 0.00 | 50.6 | 0.0 | 0. | 0.00 |
| 364 | 37.000 | 31.08 | 0.0 | 0.0 | 0.0 | 7.77 | 11.87 | 0.00 | 11.87 | 0.00 | 1.38 | 0.08 | 0.00 | 1.46 | 0.00 | 49.7 | 0.0 | 0. | 0.00 |
| 365 | 36.900 | 31.07 | 0.0 | 0.0 | 0.0 | 7.87 | 11.84 | 0.00 | 11.84 | 0.00 | 1.38 | 0.08 | 0.00 | 1.46 | 0.00 | 48.8 | 0.0 | 0. | 0.00 |
| 366 | 36.800 | 31.05 | 0.0 | 0.0 | 0.0 | 7.23 | 10.69 | 0.00 | 10.69 | 0.00 | 1.39 | 0.28 | 0.00 | 1.68 | 0.00 | 47.9 | 0.0 | 0. | 0.00 |
| 367 | 36.700 | 31.04 | 0.0 | 0.0 | 0.0 | 7.24 | 10.89 | 0.00 | 10.89 | 0.00 | 1.39 | 0.29 | 0.00 | 1.68 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 368 | 36.600 | 31.03 | 0.0 | 0.0 | 0.0 | 7.30 | 10.88 | 0.00 | 10.88 | 0.00 | 1.39 | 0.28 | 0.00 | 1.67 | 0.00 | 46.1 | 0.0 | 0. | 0.00 |
| 369 | 36.500 | 31.02 | 0.0 | 0.0 | 0.0 | 7.35 | 10.86 | 0.00 | 10.86 | 0.00 | 1.38 | 0.27 | 0.00 | 1.65 | 0.00 | 45.2 | 0.0 | 0. | 0.00 |
| 370 | 36.400 | 31.00 | 0.0 | 0.0 | 0.0 | 7.39 | 10.85 | 0.00 | 10.85 | 0.00 | 1.38 | 0.26 | 0.00 | 1.64 | 0.00 | 44.3 | 0.0 | 0. | 0.00 |
| 371 | 36.300 | 30.99 | 0.0 | 0.0 | 0.0 | 7.43 | 10.84 | 0.00 | 10.84 | 0.00 | 1.38 | 0.25 | 0.00 | 1.63 | 0.00 | 43.4 | 0.0 | 0. | 0.00 |
| 372 | 36.200 | 30.98 | 0.0 | 0.0 | 0.0 | 7.46 | 10.83 | 0.00 | 10.83 | 0.00 | 1.37 | 0.25 | 0.00 | 1.62 | 0.00 | 42.5 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 373 | 36.100 | 30.97 | 0.0 | 0.0 | 0.0 | 7.48 | 10.83 | 0.00 | 10.83 | 0.00 | 1.37 | 0.24 | 0.00 | 1.61 | 0.00 | 41.6 | 0.0 | 0. | 0.00 |
| 374 | 36.000 | 30.95 | 0.0 | 0.0 | 0.0 | 7.50 | 10.82 | 0.00 | 10.82 | 0.00 | 1.37 | 0.23 | 0.00 | 1.60 | 0.00 | 40.7 | 0.0 | 0. | 0.00 |
| 375 | 35.900 | 30.94 | 0.0 | 0.0 | 0.0 | 7.51 | 10.81 | 0.00 | 10.81 | 0.00 | 1.36 | 0.22 | 0.00 | 1.59 | 0.00 | 39.8 | 0.0 | 0. | 0.00 |
| 376 | 35.800 | 30.93 | 0.0 | 0.0 | 0.0 | 7.52 | 10.80 | 0.00 | 10.80 | 0.00 | 1.36 | 0.22 | 0.00 | 1.58 | 0.00 | 38.9 | 0.0 | 0. | 0.00 |
| 377 | 35.700 | 30.92 | 0.0 | 0.0 | 0.0 | 7.52 | 10.79 | 0.00 | 10.79 | 0.00 | 1.36 | 0.21 | 0.00 | 1.57 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 378 | 35.600 | 30.91 | 0.0 | 0.0 | 0.0 | 7.52 | 10.78 | 0.00 | 10.78 | 0.00 | 1.35 | 0.20 | 0.00 | 1.56 | 0.00 | 37.1 | 0.0 | 0. | 0.00 |
| 379 | 35.500 | 30.89 | 0.0 | 0.0 | 0.0 | 7.51 | 10.77 | 0.00 | 10.77 | 0.00 | 1.35 | 0.20 | 0.00 | 1.55 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 380 | 35.400 | 30.88 | 0.0 | 0.0 | 0.0 | 7.49 | 10.77 | 0.00 | 10.77 | 0.00 | 1.35 | 0.19 | 0.00 | 1.54 | 0.00 | 35.3 | 0.0 | 0. | 0.00 |
| 381 | 35.300 | 30.87 | 0.0 | 0.0 | 0.0 | 7.47 | 10.76 | 0.00 | 10.76 | 0.00 | 1.34 | 0.19 | 0.00 | 1.53 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 382 | 35.200 | 30.86 | 0.0 | 0.0 | 0.0 | 7.44 | 10.75 | 0.00 | 10.75 | 0.00 | 1.34 | 0.18 | 0.00 | 1.52 | 0.00 | 33.5 | 0.0 | 0. | 0.00 |
| 383 | 35.100 | 30.84 | 0.0 | 0.0 | 0.0 | 7.41 | 10.75 | 0.00 | 10.75 | 0.00 | 1.34 | 0.18 | 0.00 | 1.51 | 0.00 | 32.5 | 0.0 | 0. | 0.00 |
| 384 | 35.000 | 30.83 | 0.0 | 0.0 | 0.0 | 7.37 | 10.74 | 0.00 | 10.74 | 0.00 | 1.33 | 0.17 | 0.00 | 1.51 | 0.00 | 31.6 | 0.0 | 0. | 0.00 |
| 385 | 34.900 | 30.82 | 0.0 | 0.0 | 0.0 | 7.33 | 10.73 | 0.00 | 10.73 | 0.00 | 1.33 | 0.17 | 0.00 | 1.50 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 386 | 34.800 | 30.81 | 0.0 | 0.0 | 0.0 | 7.29 | 10.73 | 0.00 | 10.73 | 0.00 | 1.33 | 0.16 | 0.00 | 1.49 | 0.00 | 29.8 | 0.0 | 0. | 0.00 |
| 387 | 34.700 | 30.79 | 0.0 | 0.0 | 0.0 | 7.24 | 10.72 | 0.00 | 10.72 | 0.00 | 1.32 | 0.16 | 0.00 | 1.48 | 0.00 | 28.9 | 0.0 | 0. | 0.00 |
| 388 | 34.600 | 30.78 | 0.0 | 0.0 | 0.0 | 7.18 | 10.71 | 0.00 | 10.71 | 0.00 | 1.32 | 0.16 | 0.00 | 1.48 | 0.00 | 28.0 | 0.0 | 0. | 0.00 |
| 389 | 34.500 | 30.77 | 0.0 | 0.0 | 0.0 | 7.12 | 10.71 | 0.00 | 10.71 | 0.00 | 1.32 | 0.15 | 0.00 | 1.47 | 0.00 | 27.1 | 0.0 | 0. | 0.00 |
| 390 | 34.400 | 30.76 | 0.0 | 0.0 | 0.0 | 7.06 | 10.70 | 0.00 | 10.70 | 0.00 | 1.31 | 0.15 | 0.00 | 1.46 | 0.00 | 26.2 | 0.0 | 0. | 0.00 |
| 391 | 34.300 | 30.75 | 0.0 | 0.0 | 0.0 | 6.99 | 10.70 | 0.00 | 10.70 | 0.00 | 1.31 | 0.15 | 0.00 | 1.46 | 0.00 | 25.3 | 0.0 | 0. | 0.00 |
| 392 | 34.200 | 30.73 | 0.0 | 0.0 | 0.0 | 6.92 | 10.69 | 0.00 | 10.69 | 0.00 | 1.31 | 0.14 | 0.00 | 1.45 | 0.00 | 24.4 | 0.0 | 0. | 0.00 |
| 393 | 34.100 | 30.72 | 0.0 | 0.0 | 0.0 | 6.84 | 10.69 | 0.00 | 10.69 | 0.00 | 1.31 | 0.14 | 0.00 | 1.44 | 0.00 | 23.5 | 0.0 | 0. | 0.00 |
| 394 | 34.000 | 30.71 | 0.0 | 0.0 | 0.0 | 6.76 | 10.68 | 0.00 | 10.68 | 0.00 | 1.30 | 0.14 | 0.00 | 1.44 | 0.00 | 22.6 | 0.0 | 0. | 0.00 |
| 395 | 33.900 | 30.70 | 0.0 | 0.0 | 0.0 | 6.68 | 10.68 | 0.00 | 10.68 | 0.00 | 1.30 | 0.13 | 0.00 | 1.43 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 396 | 33.800 | 30.68 | 0.0 | 0.0 | 0.0 | 6.59 | 10.68 | 0.00 | 10.68 | 0.00 | 1.30 | 0.13 | 0.00 | 1.43 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 397 | 33.700 | 30.67 | 0.0 | 0.0 | 0.0 | 6.50 | 10.67 | 0.00 | 10.67 | 0.00 | 1.29 | 0.13 | 0.00 | 1.42 | 0.00 | 19.9 | 0.0 | 0. | 0.00 |
| 398 | 33.600 | 30.66 | 0.0 | 0.0 | 0.0 | 6.40 | 10.67 | 0.00 | 10.67 | 0.00 | 1.29 | 0.13 | 0.00 | 1.42 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 399 | 33.500 | 30.65 | 0.0 | 0.0 | 0.0 | 6.31 | 10.66 | 0.00 | 10.66 | 0.00 | 1.29 | 0.12 | 0.00 | 1.41 | 0.00 | 18.1 | 0.0 | 0. | 0.00 |
| 400 | 33.400 | 30.63 | 0.0 | 0.0 | 0.0 | 6.20 | 10.66 | 0.00 | 10.66 | 0.00 | 1.28 | 0.12 | 0.00 | 1.41 | 0.00 | 17.2 | 0.0 | 0. | 0.00 |
| 401 | 33.300 | 30.62 | 0.0 | 0.0 | 0.0 | 6.10 | 10.66 | 0.00 | 10.66 | 0.00 | 1.28 | 0.12 | 0.00 | 1.40 | 0.00 | 16.3 | 0.0 | 0. | 0.00 |
| 402 | 33.200 | 30.61 | 0.0 | 0.0 | 0.0 | 5.99 | 10.65 | 0.00 | 10.65 | 0.00 | 1.28 | 0.12 | 0.00 | 1.40 | 0.00 | 15.4 | 0.0 | 0. | 0.00 |
| 403 | 33.100 | 30.60 | 0.0 | 0.0 | 0.0 | 5.88 | 10.65 | 0.00 | 10.65 | 0.00 | 1.27 | 0.12 | 0.00 | 1.39 | 0.00 | 14.5 | 0.0 | 0. | 0.00 |
| 404 | 33.000 | 30.58 | 0.0 | 0.0 | 0.0 | 5.76 | 10.65 | 0.00 | 10.65 | 0.00 | 1.27 | 0.11 | 0.00 | 1.39 | 0.00 | 13.6 | 0.0 | 0. | 0.00 |
| 405 | 32.900 | 30.57 | 0.0 | 0.0 | 0.0 | 5.64 | 10.64 | 0.00 | 10.64 | 0.00 | 1.27 | 0.11 | 0.00 | 1.38 | 0.00 | 12.7 | 0.0 | 0. | 0.00 |
| 406 | 32.800 | 30.56 | 0.0 | 0.0 | 0.0 | 5.52 | 10.64 | 0.00 | 10.64 | 0.00 | 1.27 | 0.11 | 0.00 | 1.38 | 0.00 | 11.8 | 0.0 | 0. | 0.00 |
| 407 | 32.700 | 30.55 | 0.0 | 0.0 | 0.0 | 5.40 | 10.64 | 0.00 | 10.64 | 0.00 | 1.26 | 0.11 | 0.00 | 1.37 | 0.00 | 10.8 | 0.0 | 0. | 0.00 |
| 408 | 32.600 | 30.54 | 0.0 | 0.0 | 0.0 | 5.27 | 10.64 | 0.00 | 10.64 | 0.00 | 1.26 | 0.11 | 0.00 | 1.37 | 0.00 | 9.9 | 0.0 | 0. | 0.00 |
| 409 | 32.500 | 30.52 | 0.0 | 0.0 | 0.0 | 5.14 | 10.63 | 0.00 | 10.63 | 0.00 | 1.26 | 0.11 | 0.00 | 1.36 | 0.00 | 9.0 | 0.0 | 0. | 0.00 |
| 410 | 32.400 | 30.51 | 0.0 | 0.0 | 0.0 | 5.01 | 10.63 | 0.00 | 10.63 | 0.00 | 1.25 | 0.10 | 0.00 | 1.36 | 0.00 | 8.1 | 0.0 | 0. | 0.00 |
| 411 | 32.300 | 30.50 | 0.0 | 0.0 | 0.0 | 4.88 | 10.63 | 0.00 | 10.63 | 0.00 | 1.25 | 0.10 | 0.00 | 1.35 | 0.00 | 7.2 | 0.0 | 0. | 0.00 |
| 412 | 32.200 | 30.49 | 0.0 | 0.0 | 0.0 | 4.74 | 10.63 | 0.00 | 10.63 | 0.00 | 1.25 | 0.10 | 0.00 | 1.35 | 0.00 | 6.3 | 0.0 | 0. | 0.00 |
| 413 | 32.100 | 30.47 | 0.0 | 0.0 | 0.0 | 4.60 | 10.63 | 0.00 | 10.63 | 0.00 | 1.24 | 0.10 | 0.00 | 1.35 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 414 | 32.000 | 30.46 | 0.0 | 0.0 | 0.0 | 4.46 | 10.63 | 0.00 | 10.63 | 0.00 | 1.24 | 0.10 | 0.00 | 1.34 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 415 | 31.900 | 30.45 | 0.0 | 0.0 | 0.0 | 4.32 | 10.62 | 0.00 | 10.62 | 0.00 | 1.24 | 0.10 | 0.00 | 1.34 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 416 | 31.800 | 30.44 | 0.0 | 0.0 | 0.0 | 4.17 | 10.62 | 0.00 | 10.62 | 0.00 | 1.24 | 0.10 | 0.00 | 1.33 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 417 | 31.700 | 30.42 | 0.0 | 0.0 | 0.0 | 4.02 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 1.33 | 0.00 | 1.8 | 0.0 | 0. | 0.00 |
| 418 | 31.600 | 30.41 | 0.0 | 0.0 | 0.0 | 3.87 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 1.33 | 0.00 | 0.9 | 0.0 | 0. | 0.00 |
| 419 | 31.500 | 30.40 | 0.0 | 0.0 | 0.0 | 3.72 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 1.32 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 554 | 31.400 | 30.39 | 0.0 | 0.0 | 0.0 | 5.08 | 3.28 | 0.00 | 3.28 | 0.00 | 1.20 | 0.08 | 1.48 | 2.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 555 | 31.300 | 30.39 | 0.0 | 0.0 | 0.0 | 5.05 | 3.27 | 0.00 | 3.27 | 0.00 | 1.20 | 0.08 | 1.48 | 2.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 556 | 31.200 | 30.38 | 0.0 | 0.0 | 0.0 | 5.02 | 3.26 | 0.00 | 3.26 | 0.00 | 1.20 | 0.08 | 1.48 | 2.76 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 557 | 31.100 | 30.37 | 0.0 | 0.0 | 0.0 | 4.99 | 3.26 | 0.00 | 3.26 | 0.00 | 1.21 | 0.08 | 1.48 | 2.76 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 558 | 31.000 | 30.36 | 0.0 | 0.0 | 0.0 | 4.97 | 3.25 | 0.00 | 3.25 | 0.00 | 1.21 | 0.08 | 1.48 | 2.77 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 559 | 30.900 | 30.36 | 0.0 | 0.0 | 0.0 | 4.94 | 3.24 | 0.00 | 3.24 | 0.00 | 1.22 | 0.08 | 1.48 | 2.77 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 560 | 30.800 | 30.35 | 0.0 | 0.0 | 0.0 | 4.91 | 3.23 | 0.00 | 3.23 | 0.00 | 1.22 | 0.08 | 1.48 | 2.78 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 561 | 30.700 | 30.34 | 0.0 | 0.0 | 0.0 | 4.89 | 3.22 | 0.00 | 3.22 | 0.00 | 1.22 | 0.08 | 1.48 | 2.78 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 562 | 30.600 | 30.34 | 0.0 | 0.0 | 0.0 | 4.86 | 3.22 | 0.00 | 3.22 | 0.00 | 1.23 | 0.08 | 1.48 | 2.79 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 563 | 30.500 | 30.33 | 0.0 | 0.0 | 0.0 | 4.84 | 3.21 | 0.00 | 3.21 | 0.00 | 1.23 | 0.08 | 1.48 | 2.79 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 564 | 30.400 | 30.32 | 0.0 | 0.0 | 0.0 | 4.81 | 3.20 | 0.00 | 3.20 | 0.00 | 1.24 | 0.08 | 1.48 | 2.79 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 565 | 30.300 | 30.32 | 0.0 | 0.0 | 0.0 | 4.79 | 3.19 | 0.00 | 3.19 | 0.00 | 1.24 | 0.08 | 1.49 | 2.80 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 566 | 30.200 | 30.31 | 0.0 | 0.0 | 0.0 | 4.76 | 3.18 | 0.00 | 3.18 | 0.00 | 1.24 | 0.08 | 1.49 | 2.80 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 567 | 30.100 | 30.30 | 0.0 | 0.0 | 0.0 | 4.74 | 3.18 | 0.00 | 3.18 | 0.00 | 1.25 | 0.08 | 1.49 | 2.81 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 568 | 30.000 | 30.29 | 0.0 | 0.0 | 0.0 | 4.71 | 3.17 | 0.00 | 3.17 | 0.00 | 1.25 | 0.08 | 1.49 | 2.81 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 569 | 29.900 | 30.29 | 0.0 | 0.0 | 0.0 | 4.69 | 3.16 | 0.00 | 3.16 | 0.00 | 1.26 | 0.08 | 1.49 | 2.82 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 570 | 29.800 | 30.28 | 0.0 | 0.0 | 0.0 | 4.67 | 3.15 | 0.00 | 3.15 | 0.00 | 1.26 | 0.08 | 1.49 | 2.82 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 571 | 29.700 | 30.27 | 0.0 | 0.0 | 0.0 | 4.64 | 3.15 | 0.00 | 3.15 | 0.00 | 1.26 | 0.08 | 1.49 | 2.83 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 572 | 29.600 | 30.27 | 0.0 | 0.0 | 0.0 | 4.62 | 3.14 | 0.00 | 3.14 | 0.00 | 1.27 | 0.08 | 1.49 | 2.83 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 573 | 29.500 | 30.26 | 0.0 | 0.0 | 0.0 | 4.60 | 3.13 | 0.00 | 3.13 | 0.00 | 1.27 | 0.08 | 1.49 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 574 | 29.400 | 30.25 | 0.0 | 0.0 | 0.0 | 4.58 | 3.12 | 0.00 | 3.12 | 0.00 | 1.28 | 0.08 | 1.49 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 575 | 29.300 | 30.24 | 0.0 | 0.0 | 0.0 | 4.55 | 3.12 | 0.00 | 3.12 | 0.00 | 1.28 | 0.08 | 1.49 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 576 | 29.200 | 30.24 | 0.0 | 0.0 | 0.0 | 4.53 | 3.11 | 0.00 | 3.11 | 0.00 | 1.28 | 0.08 | 1.50 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 577 | 29.100 | 30.23 | 0.0 | 0.0 | 0.0 | 4.51 | 3.10 | 0.00 | 3.10 | 0.00 | 1.29 | 0.08 | 1.50 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 578 | 29.000 | 30.22 | 0.0 | 0.0 | 0.0 | 4.49 | 3.09 | 0.00 | 3.09 | 0.00 | 1.29 | 0.08 | 1.50 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 579 | 28.900 | 30.22 | 0.0 | 0.0 | 0.0 | 4.47 | 3.09 | 0.00 | 3.09 | 0.00 | 1.29 | 0.08 | 1.50 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 580 | 28.800 | 30.21 | 0.0 | 0.0 | 0.0 | 4.45 | 3.08 | 0.00 | 3.08 | 0.00 | 1.30 | 0.08 | 1.50 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 581 | 28.700 | 30.20 | 0.0 | 0.0 | 0.0 | 4.43 | 3.07 | 0.00 | 3.07 | 0.00 | 1.30 | 0.08 | 1.50 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 582 | 28.600 | 30.20 | 0.0 | 0.0 | 0.0 | 4.40 | 3.07 | 0.00 | 3.07 | 0.00 | 1.31 | 0.08 | 1.50 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 583 | 28.500 | 30.19 | 0.0 | 0.0 | 0.0 | 4.38 | 3.06 | 0.00 | 3.06 | 0.00 | 1.31 | 0.08 | 1.50 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 584 | 28.400 | 30.18 | 0.0 | 0.0 | 0.0 | 4.36 | 3.05 | 0.00 | 3.05 | 0.00 | 1.31 | 0.08 | 1.50 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 585 | 28.300 | 30.17 | 0.0 | 0.0 | 0.0 | 4.34 | 3.05 | 0.00 | 3.05 | 0.00 | 1.32 | 0.08 | 1.50 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 586 | 28.200 | 30.17 | 0.0 | 0.0 | 0.0 | 4.33 | 3.04 | 0.00 | 3.04 | 0.00 | 1.32 | 0.08 | 1.50 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 587 | 28.100 | 30.16 | 0.0 | 0.0 | 0.0 | 4.31 | 3.03 | 0.00 | 3.03 | 0.00 | 1.33 | 0.08 | 1.50 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 588 | 28.000 | 30.15 | 0.0 | 0.0 | 0.0 | 4.29 | 3.03 | 0.00 | 3.03 | 0.00 | 1.33 | 0.08 | 1.51 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 589 | 27.900 | 30.15 | 0.0 | 0.0 | 0.0 | 4.27 | 3.02 | 0.00 | 3.02 | 0.00 | 1.33 | 0.08 | 1.51 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 590 | 27.800 | 30.14 | 0.0 | 0.0 | 0.0 | 4.25 | 3.01 | 0.00 | 3.01 | 0.00 | 1.34 | 0.08 | 1.51 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 591 | 27.700 | 30.13 | 0.0 | 0.0 | 0.0 | 4.23 | 3.01 | 0.00 | 3.01 | 0.00 | 1.34 | 0.08 | 1.51 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 592 | 27.600 | 30.12 | 0.0 | 0.0 | 0.0 | 4.21 | 3.00 | 0.00 | 3.00 | 0.00 | 1.35 | 0.08 | 1.51 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 593 | 27.500 | 30.12 | 0.0 | 0.0 | 0.0 | 4.19 | 2.99 | 0.00 | 2.99 | 0.00 | 1.35 | 0.08 | 1.51 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 594 | 27.400 | 30.11 | 0.0 | 0.0 | 0.0 | 4.18 | 2.99 | 0.00 | 2.99 | 0.00 | 1.35 | 0.08 | 1.51 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 595 | 27.300 | 30.10 | 0.0 | 0.0 | 0.0 | 4.16 | 2.98 | 0.00 | 2.98 | 0.00 | 1.36 | 0.08 | 1.51 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 596 | 27.200 | 30.10 | 0.0 | 0.0 | 0.0 | 4.14 | 2.97 | 0.00 | 2.97 | 0.00 | 1.36 | 0.08 | 1.51 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 597 | 27.100 | 30.09 | 0.0 | 0.0 | 0.0 | 4.12 | 2.97 | 0.00 | 2.97 | 0.00 | 1.37 | 0.08 | 1.51 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 598 | 27.000 | 30.08 | 0.0 | 0.0 | 0.0 | 4.11 | 2.96 | 0.00 | 2.96 | 0.00 | 1.37 | 0.08 | 1.51 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 599 | 26.900 | 30.08 | 0.0 | 0.0 | 0.0 | 4.09 | 2.95 | 0.00 | 2.95 | 0.00 | 1.37 | 0.08 | 1.52 | 2.97 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 600 | 26.800 | 30.07 | 0.0 | 0.0 | 0.0 | 4.07 | 2.95 | 0.00 | 2.95 | 0.00 | 1.38 | 0.08 | 1.52 | 2.97 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 601 | 26.700 | 30.06 | 0.0 | 0.0 | 0.0 | 4.06 | 2.94 | 0.00 | 2.94 | 0.00 | 1.38 | 0.08 | 1.52 | 2.98 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 602 | 26.600 | 30.05 | 0.0 | 0.0 | 0.0 | 4.04 | 2.94 | 0.00 | 2.94 | 0.00 | 1.39 | 0.08 | 1.52 | 2.98 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 603 | 26.500 | 30.05 | 0.0 | 0.0 | 0.0 | 4.02 | 2.93 | 0.00 | 2.93 | 0.00 | 1.39 | 0.08 | 1.52 | 2.98 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 604 | 26.400 | 30.04 | 0.0 | 0.0 | 0.0 | 4.01 | 2.92 | 0.00 | 2.92 | 0.00 | 1.39 | 0.08 | 1.52 | 2.99 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 605 | 26.300 | 30.03 | 0.0 | 0.0 | 0.0 | 3.99 | 2.92 | 0.00 | 2.92 | 0.00 | 1.40 | 0.08 | 1.52 | 2.99 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 606 | 26.200 | 30.03 | 0.0 | 0.0 | 0.0 | 3.98 | 2.91 | 0.00 | 2.91 | 0.00 | 1.40 | 0.08 | 1.52 | 3.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 607 | 26.100 | 30.02 | 0.0 | 0.0 | 0.0 | 3.96 | 2.91 | 0.00 | 2.91 | 0.00 | 1.40 | 0.08 | 1.52 | 3.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 608 | 26.000 | 30.01 | 0.0 | 0.0 | 0.0 | 3.95 | 2.90 | 0.00 | 2.90 | 0.00 | 1.41 | 0.08 | 1.52 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 609 | 25.900 | 30.01 | 0.0 | 0.0 | 0.0 | 3.93 | 2.89 | 0.00 | 2.89 | 0.00 | 1.41 | 0.08 | 1.52 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 610 | 25.800 | 30.00 | 0.0 | 0.0 | 0.0 | 3.92 | 2.89 | 0.00 | 2.89 | 0.00 | 1.42 | 0.08 | 1.52 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 611 | 25.700 | 29.99 | 0.0 | 0.0 | 0.0 | 3.90 | 2.88 | 0.00 | 2.88 | 0.00 | 1.42 | 0.08 | 1.53 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 612 | 25.600 | 29.98 | 0.0 | 0.0 | 0.0 | 3.89 | 2.88 | 0.00 | 2.88 | 0.00 | 1.42 | 0.08 | 1.53 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 613 | 25.500 | 29.98 | 0.0 | 0.0 | 0.0 | 3.87 | 2.87 | 0.00 | 2.87 | 0.00 | 1.43 | 0.08 | 1.53 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 614 | 25.400 | 29.97 | 0.0 | 0.0 | 0.0 | 3.86 | 2.87 | 0.00 | 2.87 | 0.00 | 1.43 | 0.08 | 1.53 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 615 | 25.300 | 29.96 | 0.0 | 0.0 | 0.0 | 3.85 | 2.86 | 0.00 | 2.86 | 0.00 | 1.44 | 0.08 | 1.53 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 616 | 25.200 | 29.96 | 0.0 | 0.0 | 0.0 | 3.83 | 2.85 | 0.00 | 2.85 | 0.00 | 1.44 | 0.08 | 1.53 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 617 | 25.100 | 29.95 | 0.0 | 0.0 | 0.0 | 3.82 | 2.85 | 0.00 | 2.85 | 0.00 | 1.44 | 0.08 | 1.53 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 618 | 25.000 | 29.94 | 0.0 | 0.0 | 0.0 | 3.80 | 2.84 | 0.00 | 2.84 | 0.00 | 1.45 | 0.08 | 1.53 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 619 | 24.900 | 29.93 | 0.0 | 0.0 | 0.0 | 3.79 | 2.84 | 0.00 | 2.84 | 0.00 | 1.45 | 0.08 | 1.53 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 620 | 24.800 | 29.93 | 0.0 | 0.0 | 0.0 | 3.78 | 2.83 | 0.00 | 2.83 | 0.00 | 1.45 | 0.08 | 1.53 | 3.07 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 621 | 24.700 | 29.92 | 0.0 | 0.0 | 0.0 | 3.76 | 2.83 | 0.00 | 2.83 | 0.00 | 1.46 | 0.08 | 1.53 | 3.07 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 622 | 24.600 | 29.91 | 0.0 | 0.0 | 0.0 | 3.75 | 2.82 | 0.00 | 2.82 | 0.00 | 1.46 | 0.08 | 1.53 | 3.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 623 | 24.500 | 29.91 | 0.0 | 0.0 | 0.0 | 3.74 | 2.82 | 0.00 | 2.82 | 0.00 | 1.47 | 0.08 | 1.54 | 3.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 624 | 24.400 | 29.90 | 0.0 | 0.0 | 0.0 | 3.73 | 2.81 | 0.00 | 2.81 | 0.00 | 1.47 | 0.08 | 1.54 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 625 | 24.300 | 29.89 | 0.0 | 0.0 | 0.0 | 3.71 | 2.81 | 0.00 | 2.81 | 0.00 | 1.47 | 0.08 | 1.54 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 626 | 24.200 | 29.89 | 0.0 | 0.0 | 0.0 | 3.70 | 2.80 | 0.00 | 2.80 | 0.00 | 1.48 | 0.08 | 1.54 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 627 | 24.100 | 29.88 | 0.0 | 0.0 | 0.0 | 3.69 | 2.80 | 0.00 | 2.80 | 0.00 | 1.48 | 0.08 | 1.54 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 628 | 24.000 | 29.87 | 0.0 | 0.0 | 0.0 | 3.68 | 2.79 | 0.00 | 2.79 | 0.00 | 1.49 | 0.08 | 1.54 | 3.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 629 | 23.900 | 29.86 | 0.0 | 0.0 | 0.0 | 3.67 | 2.79 | 0.00 | 2.79 | 0.00 | 1.49 | 0.08 | 1.54 | 3.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 630 | 23.800 | 29.86 | 0.0 | 0.0 | 0.0 | 3.65 | 2.78 | 0.00 | 2.78 | 0.00 | 1.49 | 0.08 | 1.54 | 3.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 631 | 23.700 | 29.85 | 0.0 | 0.0 | 0.0 | 3.64 | 2.78 | 0.00 | 2.78 | 0.00 | 1.50 | 0.08 | 1.54 | 3.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 632 | 23.600 | 29.84 | 0.0 | 0.0 | 0.0 | 3.63 | 2.77 | 0.00 | 2.77 | 0.00 | 1.50 | 0.08 | 1.54 | 3.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 633 | 23.500 | 29.84 | 0.0 | 0.0 | 0.0 | 3.62 | 2.77 | 0.00 | 2.77 | 0.00 | 1.50 | 0.08 | 1.54 | 3.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 634 | 23.400 | 29.83 | 0.0 | 0.0 | 0.0 | 3.61 | 2.76 | 0.00 | 2.76 | 0.00 | 1.51 | 0.08 | 1.55 | 3.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 635 | 23.300 | 29.82 | 0.0 | 0.0 | 0.0 | 3.60 | 2.76 | 0.00 | 2.76 | 0.00 | 1.51 | 0.08 | 1.55 | 3.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 636 | 23.200 | 29.81 | 0.0 | 0.0 | 0.0 | 3.59 | 2.75 | 0.00 | 2.75 | 0.00 | 1.52 | 0.08 | 1.55 | 3.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 637 | 23.100 | 29.81 | 0.0 | 0.0 | 0.0 | 3.58 | 2.75 | 0.00 | 2.75 | 0.00 | 1.52 | 0.08 | 1.55 | 3.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 638 | 23.000 | 29.80 | 0.0 | 0.0 | 0.0 | 3.56 | 2.74 | 0.00 | 2.74 | 0.00 | 1.52 | 0.08 | 1.55 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 639 | 22.900 | 29.79 | 0.0 | 0.0 | 0.0 | 3.55 | 2.74 | 0.00 | 2.74 | 0.00 | 1.53 | 0.08 | 1.55 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 640 | 22.800 | 29.79 | 0.0 | 0.0 | 0.0 | 3.54 | 2.73 | 0.00 | 2.73 | 0.00 | 1.53 | 0.08 | 1.55 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 641 | 22.700 | 29.78 | 0.0 | 0.0 | 0.0 | 3.53 | 2.73 | 0.00 | 2.73 | 0.00 | 1.53 | 0.08 | 1.55 | 3.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 642 | 22.600 | 29.77 | 0.0 | 0.0 | 0.0 | 3.52 | 2.72 | 0.00 | 2.72 | 0.00 | 1.54 | 0.08 | 1.55 | 3.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 643 | 22.500 | 29.77 | 0.0 | 0.0 | 0.0 | 3.51 | 2.72 | 0.00 | 2.72 | 0.00 | 1.54 | 0.08 | 1.55 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 644 | 22.400 | 29.76 | 0.0 | 0.0 | 0.0 | 3.50 | 2.71 | 0.00 | 2.71 | 0.00 | 1.55 | 0.08 | 1.55 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 645 | 22.300 | 29.75 | 0.0 | 0.0 | 0.0 | 3.49 | 2.71 | 0.00 | 2.71 | 0.00 | 1.55 | 0.08 | 1.55 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 646 | 22.200 | 29.74 | 0.0 | 0.0 | 0.0 | 3.48 | 2.70 | 0.00 | 2.70 | 0.00 | 1.55 | 0.08 | 1.56 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 647 | 22.100 | 29.74 | 0.0 | 0.0 | 0.0 | 3.47 | 2.70 | 0.00 | 2.70 | 0.00 | 1.56 | 0.08 | 1.56 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 648 | 22.000 | 29.73 | 0.0 | 0.0 | 0.0 | 3.47 | 2.70 | 0.00 | 2.70 | 0.00 | 1.56 | 0.09 | 1.56 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 649 | 21.900 | 29.72 | 0.0 | 0.0 | 0.0 | 3.46 | 2.69 | 0.00 | 2.69 | 0.00 | 1.57 | 0.09 | 1.56 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 650 | 21.800 | 29.72 | 0.0 | 0.0 | 0.0 | 3.45 | 2.69 | 0.00 | 2.69 | 0.00 | 1.57 | 0.09 | 1.56 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 651 | 21.700 | 29.71 | 0.0 | 0.0 | 0.0 | 3.44 | 2.68 | 0.00 | 2.68 | 0.00 | 1.57 | 0.09 | 1.56 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 652 | 21.600 | 29.70 | 0.0 | 0.0 | 0.0 | 3.43 | 2.68 | 0.00 | 2.68 | 0.00 | 1.58 | 0.09 | 1.56 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 653 | 21.500 | 29.69 | 0.0 | 0.0 | 0.0 | 3.42 | 2.67 | 0.00 | 2.67 | 0.00 | 1.58 | 0.09 | 1.56 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 654 | 21.400 | 29.69 | 0.0 | 0.0 | 0.0 | 3.41 | 2.67 | 0.00 | 2.67 | 0.00 | 1.58 | 0.09 | 1.56 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 655 | 21.300 | 29.68 | 0.0 | 0.0 | 0.0 | 3.40 | 2.66 | 0.00 | 2.66 | 0.00 | 1.59 | 0.09 | 1.56 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 656 | 21.200 | 29.67 | 0.0 | 0.0 | 0.0 | 3.39 | 2.66 | 0.00 | 2.66 | 0.00 | 1.59 | 0.09 | 1.56 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 657 | 21.100 | 29.67 | 0.0 | 0.0 | 0.0 | 3.39 | 2.66 | 0.00 | 2.66 | 0.00 | 1.60 | 0.09 | 1.57 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 658 | 21.000 | 29.66 | 0.0 | 0.0 | 0.0 | 3.38 | 2.65 | 0.00 | 2.65 | 0.00 | 1.60 | 0.09 | 1.57 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 659 | 20.900 | 29.65 | 0.0 | 0.0 | 0.0 | 3.37 | 2.65 | 0.00 | 2.65 | 0.00 | 1.60 | 0.09 | 1.57 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 660 | 20.800 | 29.65 | 0.0 | 0.0 | 0.0 | 3.36 | 2.64 | 0.00 | 2.64 | 0.00 | 1.61 | 0.09 | 1.57 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 661 | 20.700 | 29.64 | 0.0 | 0.0 | 0.0 | 3.35 | 2.64 | 0.00 | 2.64 | 0.00 | 1.61 | 0.09 | 1.57 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 662 | 20.600 | 29.63 | 0.0 | 0.0 | 0.0 | 3.34 | 2.64 | 0.00 | 2.64 | 0.00 | 1.61 | 0.09 | 1.57 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 663 | 20.500 | 29.62 | 0.0 | 0.0 | 0.0 | 3.34 | 2.63 | 0.00 | 2.63 | 0.00 | 1.62 | 0.09 | 1.57 | 3.28 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 664 | 20.400 | 29.62 | 0.0 | 0.0 | 0.0 | 3.33 | 2.63 | 0.00 | 2.63 | 0.00 | 1.62 | 0.09 | 1.57 | 3.28 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 665 | 20.300 | 29.61 | 0.0 | 0.0 | 0.0 | 3.32 | 2.62 | 0.00 | 2.62 | 0.00 | 1.63 | 0.09 | 1.57 | 3.29 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 666 | 20.200 | 29.60 | 0.0 | 0.0 | 0.0 | 3.32 | 2.63 | 0.00 | 2.63 | 0.00 | 1.63 | 0.09 | 1.58 | 3.30 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 667 | 20.100 | 29.60 | 0.0 | 0.0 | 0.0 | 3.31 | 2.62 | 0.00 | 2.62 | 0.00 | 1.63 | 0.09 | 1.58 | 3.30 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 668 | 20.000 | 29.59 | 0.0 | 0.0 | 0.0 | 3.30 | 2.62 | 0.00 | 2.62 | 0.00 | 1.64 | 0.09 | 1.58 | 3.31 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 669 | 19.900 | 29.58 | 0.0 | 0.0 | 0.0 | 3.29 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.09 | 1.58 | 3.31 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 670 | 19.800 | 29.57 | 0.0 | 0.0 | 0.0 | 3.29 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.09 | 1.58 | 3.32 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 671 | 19.700 | 29.57 | 0.0 | 0.0 | 0.0 | 3.28 | 2.61 | 0.00 | 2.61 | 0.00 | 1.65 | 0.09 | 1.58 | 3.32 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 672 | 19.600 | 29.56 | 0.0 | 0.0 | 0.0 | 3.27 | 2.60 | 0.00 | 2.60 | 0.00 | 1.65 | 0.09 | 1.58 | 3.33 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 673 | 19.500 | 29.55 | 0.0 | 0.0 | 0.0 | 3.26 | 2.60 | 0.00 | 2.60 | 0.00 | 1.65 | 0.09 | 1.58 | 3.33 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 674 | 19.400 | 29.55 | 0.0 | 0.0 | 0.0 | 3.26 | 2.60 | 0.00 | 2.60 | 0.00 | 1.66 | 0.09 | 1.59 | 3.34 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 675 | 19.300 | 29.54 | 0.0 | 0.0 | 0.0 | 3.25 | 2.59 | 0.00 | 2.59 | 0.00 | 1.66 | 0.09 | 1.59 | 3.34 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 676 | 19.200 | 29.53 | 0.0 | 0.0 | 0.0 | 3.24 | 2.59 | 0.00 | 2.59 | 0.00 | 1.67 | 0.09 | 1.59 | 3.34 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 677 | 19.100 | 29.53 | 0.0 | 0.0 | 0.0 | 3.24 | 2.58 | 0.00 | 2.58 | 0.00 | 1.67 | 0.09 | 1.59 | 3.35 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 678 | 19.000 | 29.52 | 0.0 | 0.0 | 0.0 | 3.07 | 2.70 | 0.00 | 2.70 | 0.00 | 1.60 | 0.08 | 1.38 | 3.07 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 679 | 18.900 | 29.51 | 0.0 | 0.0 | 0.0 | 3.07 | 2.70 | 0.00 | 2.70 | 0.00 | 1.60 | 0.08 | 1.38 | 3.07 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 680 | 18.800 | 29.50 | 0.0 | 0.0 | 0.0 | 3.06 | 2.69 | 0.00 | 2.69 | 0.00 | 1.61 | 0.09 | 1.38 | 3.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 681 | 18.700 | 29.50 | 0.0 | 0.0 | 0.0 | 3.06 | 2.69 | 0.00 | 2.69 | 0.00 | 1.61 | 0.09 | 1.39 | 3.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 682 | 18.600 | 29.49 | 0.0 | 0.0 | 0.0 | 3.05 | 2.68 | 0.00 | 2.68 | 0.00 | 1.61 | 0.09 | 1.39 | 3.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 683 | 18.500 | 29.48 | 0.0 | 0.0 | 0.0 | 3.05 | 2.68 | 0.00 | 2.68 | 0.00 | 1.62 | 0.09 | 1.39 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 684 | 18.400 | 29.48 | 0.0 | 0.0 | 0.0 | 3.05 | 2.68 | 0.00 | 2.68 | 0.00 | 1.62 | 0.09 | 1.39 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 685 | 18.300 | 29.47 | 0.0 | 0.0 | 0.0 | 3.04 | 2.67 | 0.00 | 2.67 | 0.00 | 1.62 | 0.09 | 1.39 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 686 | 18.200 | 29.46 | 0.0 | 0.0 | 0.0 | 3.04 | 2.67 | 0.00 | 2.67 | 0.00 | 1.63 | 0.09 | 1.39 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 687 | 18.100 | 29.46 | 0.0 | 0.0 | 0.0 | 3.03 | 2.67 | 0.00 | 2.67 | 0.00 | 1.63 | 0.09 | 1.39 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 688 | 18.000 | 29.45 | 0.0 | 0.0 | 0.0 | 3.03 | 2.66 | 0.00 | 2.66 | 0.00 | 1.63 | 0.09 | 1.39 | 3.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 689 | 17.900 | 29.44 | 0.0 | 0.0 | 0.0 | 3.02 | 2.66 | 0.00 | 2.66 | 0.00 | 1.63 | 0.09 | 1.39 | 3.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 690 | 17.800 | 29.43 | 0.0 | 0.0 | 0.0 | 3.02 | 2.66 | 0.00 | 2.66 | 0.00 | 1.64 | 0.09 | 1.39 | 3.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 691 | 17.700 | 29.43 | 0.0 | 0.0 | 0.0 | 3.02 | 2.65 | 0.00 | 2.65 | 0.00 | 1.64 | 0.09 | 1.39 | 3.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 692 | 17.600 | 29.42 | 0.0 | 0.0 | 0.0 | 3.01 | 2.65 | 0.00 | 2.65 | 0.00 | 1.64 | 0.09 | 1.39 | 3.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 693 | 17.500 | 29.41 | 0.0 | 0.0 | 0.0 | 3.01 | 2.65 | 0.00 | 2.65 | 0.00 | 1.65 | 0.09 | 1.39 | 3.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 694 | 17.400 | 29.41 | 0.0 | 0.0 | 0.0 | 3.00 | 2.64 | 0.00 | 2.64 | 0.00 | 1.65 | 0.09 | 1.39 | 3.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 695 | 17.300 | 29.40 | 0.0 | 0.0 | 0.0 | 3.00 | 2.64 | 0.00 | 2.64 | 0.00 | 1.65 | 0.09 | 1.40 | 3.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 696 | 17.200 | 29.39 | 0.0 | 0.0 | 0.0 | 3.00 | 2.64 | 0.00 | 2.64 | 0.00 | 1.66 | 0.09 | 1.40 | 3.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 697 | 17.100 | 29.38 | 0.0 | 0.0 | 0.0 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.66 | 0.09 | 1.40 | 3.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 698 | 17.000 | 29.38 | 0.0 | 0.0 | 0.0 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.66 | 0.09 | 1.40 | 3.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 699 | 16.900 | 29.37 | 0.0 | 0.0 | 0.0 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.67 | 0.09 | 1.40 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 700 | 16.800 | 29.36 | 0.0 | 0.0 | 0.0 | 2.98 | 2.62 | 0.00 | 2.62 | 0.00 | 1.67 | 0.09 | 1.40 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 701 | 16.700 | 29.36 | 0.0 | 0.0 | 0.0 | 2.98 | 2.62 | 0.00 | 2.62 | 0.00 | 1.67 | 0.09 | 1.40 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 702 | 16.600 | 29.35 | 0.0 | 0.0 | 0.0 | 2.98 | 2.62 | 0.00 | 2.62 | 0.00 | 1.68 | 0.09 | 1.40 | 3.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 703 | 16.500 | 29.34 | 0.0 | 0.0 | 0.0 | 2.97 | 2.61 | 0.00 | 2.61 | 0.00 | 1.68 | 0.09 | 1.40 | 3.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 704 | 16.400 | 29.34 | 0.0 | 0.0 | 0.0 | 2.97 | 2.61 | 0.00 | 2.61 | 0.00 | 1.68 | 0.09 | 1.40 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 705 | 16.300 | 29.33 | 0.0 | 0.0 | 0.0 | 2.97 | 2.61 | 0.00 | 2.61 | 0.00 | 1.69 | 0.09 | 1.40 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 706 | 16.200 | 29.32 | 0.0 | 0.0 | 0.0 | 2.96 | 2.60 | 0.00 | 2.60 | 0.00 | 1.69 | 0.09 | 1.40 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 707 | 16.100 | 29.31 | 0.0 | 0.0 | 0.0 | 2.96 | 2.60 | 0.00 | 2.60 | 0.00 | 1.69 | 0.09 | 1.40 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 708 | 16.000 | 29.31 | 0.0 | 0.0 | 0.0 | 2.96 | 2.60 | 0.00 | 2.60 | 0.00 | 1.70 | 0.09 | 1.41 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 709 | 15.900 | 29.30 | 0.0 | 0.0 | 0.0 | 2.95 | 2.59 | 0.00 | 2.59 | 0.00 | 1.70 | 0.09 | 1.41 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 829 | 15.800 | 29.32 | 0.0 | 0.0 | 0.0 | 2.91 | 4.26 | 0.00 | 4.26 | 0.00 | 1.68 | 0.10 | 1.40 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 830 | 15.700 | 29.33 | 0.0 | 0.0 | 0.0 | 2.89 | 4.23 | 0.00 | 4.23 | 0.00 | 1.68 | 0.10 | 1.41 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 831 | 15.600 | 29.35 | 0.0 | 0.0 | 0.0 | 2.88 | 4.19 | 0.00 | 4.19 | 0.00 | 1.68 | 0.10 | 1.41 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 832 | 15.500 | 29.36 | 0.0 | 0.0 | 0.0 | 2.86 | 4.16 | 0.00 | 4.16 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 833 | 15.400 | 29.38 | 0.0 | 0.0 | 0.0 | 2.85 | 4.12 | 0.00 | 4.12 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 834 | 15.300 | 29.40 | 0.0 | 0.0 | 0.0 | 2.83 | 4.09 | 0.00 | 4.09 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 835 | 15.200 | 29.41 | 0.0 | 0.0 | 0.0 | 2.82 | 4.06 | 0.00 | 4.06 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 836 | 15.100 | 29.43 | 0.0 | 0.0 | 0.0 | 2.81 | 4.03 | 0.00 | 4.03 | 0.00 | 1.69 | 0.10 | 1.41 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 837 | 15.000 | 29.44 | 0.0 | 0.0 | 0.0 | 2.79 | 3.99 | 0.00 | 3.99 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 838 | 14.900 | 29.46 | 0.0 | 0.0 | 0.0 | 2.78 | 3.96 | 0.00 | 3.96 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 839 | 14.800 | 29.48 | 0.0 | 0.0 | 0.0 | 2.77 | 3.93 | 0.00 | 3.93 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 840 | 14.700 | 29.49 | 0.0 | 0.0 | 0.0 | 2.76 | 3.90 | 0.00 | 3.90 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 841 | 14.600 | 29.51 | 0.0 | 0.0 | 0.0 | 2.74 | 3.87 | 0.00 | 3.87 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 842 | 14.500 | 29.52 | 0.0 | 0.0 | 0.0 | 2.73 | 3.84 | 0.00 | 3.84 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 843 | 14.400 | 29.54 | 0.0 | 0.0 | 0.0 | 2.72 | 3.81 | 0.00 | 3.81 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 844 | 14.300 | 29.56 | 0.0 | 0.0 | 0.0 | 2.71 | 3.78 | 0.00 | 3.78 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 845 | 14.200 | 29.57 | 0.0 | 0.0 | 0.0 | 2.70 | 3.75 | 0.00 | 3.75 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 846 | 14.100 | 29.59 | 0.0 | 0.0 | 0.0 | 2.69 | 3.72 | 0.00 | 3.72 | 0.00 | 1.70 | 0.10 | 1.42 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 847 | 14.000 | 29.60 | 0.0 | 0.0 | 0.0 | 2.68 | 3.69 | 0.00 | 3.69 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 848 | 13.900 | 29.62 | 0.0 | 0.0 | 0.0 | 2.67 | 3.66 | 0.00 | 3.66 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 849 | 13.800 | 29.64 | 0.0 | 0.0 | 0.0 | 2.66 | 3.63 | 0.00 | 3.63 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 850 | 13.700 | 29.65 | 0.0 | 0.0 | 0.0 | 2.65 | 3.60 | 0.00 | 3.60 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 851 | 13.600 | 29.67 | 0.0 | 0.0 | 0.0 | 2.64 | 3.57 | 0.00 | 3.57 | 0.00 | 1.70 | 0.10 | 1.42 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 852 | 13.500 | 29.68 | 0.0 | 0.0 | 0.0 | 2.63 | 3.54 | 0.00 | 3.54 | 0.00 | 1.70 | 0.10 | 1.42 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 853 | 13.400 | 29.70 | 0.0 | 0.0 | 0.0 | 2.62 | 3.51 | 0.00 | 3.51 | 0.00 | 1.70 | 0.10 | 1.42 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 854 | 13.300 | 29.72 | 0.0 | 0.0 | 0.0 | 2.61 | 3.48 | 0.00 | 3.48 | 0.00 | 1.70 | 0.10 | 1.43 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 855 | 13.200 | 29.73 | 0.0 | 0.0 | 0.0 | 2.60 | 3.45 | 0.00 | 3.45 | 0.00 | 1.70 | 0.10 | 1.43 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 856 | 13.100 | 29.75 | 0.0 | 0.0 | 0.0 | 2.59 | 3.43 | 0.00 | 3.43 | 0.00 | 1.70 | 0.10 | 1.43 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 857 | 13.000 | 29.76 | 0.0 | 0.0 | 0.0 | 2.59 | 3.40 | 0.00 | 3.40 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 858 | 12.900 | 29.78 | 0.0 | 0.0 | 0.0 | 2.58 | 3.37 | 0.00 | 3.37 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 859 | 12.800 | 29.80 | 0.0 | 0.0 | 0.0 | 2.57 | 3.34 | 0.00 | 3.34 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 860 | 12.700 | 29.81 | 0.0 | 0.0 | 0.0 | 2.56 | 3.32 | 0.00 | 3.32 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 861 | 12.600 | 29.83 | 0.0 | 0.0 | 0.0 | 2.56 | 3.29 | 0.00 | 3.29 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 862 | 12.500 | 29.84 | 0.0 | 0.0 | 0.0 | 2.55 | 3.26 | 0.00 | 3.26 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 863 | 12.400 | 29.86 | 0.0 | 0.0 | 0.0 | 2.54 | 3.24 | 0.00 | 3.24 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 864 | 12.300 | 29.88 | 0.0 | 0.0 | 0.0 | 2.54 | 3.21 | 0.00 | 3.21 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 865 | 12.200 | 29.89 | 0.0 | 0.0 | 0.0 | 2.53 | 3.18 | 0.00 | 3.18 | 0.00 | 1.71 | 0.10 | 1.44 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 866 | 12.100 | 29.91 | 0.0 | 0.0 | 0.0 | 2.53 | 3.16 | 0.00 | 3.16 | 0.00 | 1.71 | 0.10 | 1.44 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 867 | 12.000 | 29.92 | 0.0 | 0.0 | 0.0 | 2.52 | 3.13 | 0.00 | 3.13 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 868 | 11.900 | 29.94 | 0.0 | 0.0 | 0.0 | 2.51 | 3.11 | 0.00 | 3.11 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 869 | 11.800 | 29.96 | 0.0 | 0.0 | 0.0 | 2.51 | 3.08 | 0.00 | 3.08 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 870 | 11.700 | 29.97 | 0.0 | 0.0 | 0.0 | 2.50 | 3.06 | 0.00 | 3.06 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 871 | 11.600 | 29.99 | 0.0 | 0.0 | 0.0 | 2.50 | 3.03 | 0.00 | 3.03 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 872 | 11.500 | 30.00 | 0.0 | 0.0 | 0.0 | 2.49 | 3.01 | 0.00 | 3.01 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 873 | 11.400 | 30.02 | 0.0 | 0.0 | 0.0 | 2.49 | 2.98 | 0.00 | 2.98 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 874 | 11.300 | 30.04 | 0.0 | 0.0 | 0.0 | 2.49 | 2.96 | 0.00 | 2.96 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 875 | 11.200 | 30.05 | 0.0 | 0.0 | 0.0 | 2.48 | 2.93 | 0.00 | 2.93 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 876 | 11.100 | 30.07 | 0.0 | 0.0 | 0.0 | 2.48 | 2.91 | 0.00 | 2.91 | 0.00 | 1.72 | 0.11 | 1.45 | 3.28 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 877 | 11.000 | 30.08 | 0.0 | 0.0 | 0.0 | 2.47 | 2.88 | 0.00 | 2.88 | 0.00 | 1.72 | 0.11 | 1.45 | 3.28 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 878 | 10.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.47 | 2.86 | 0.00 | 2.86 | 0.00 | 1.73 | 0.11 | 1.45 | 3.28 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1047 | 10.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.48 | 0.00 | 3.48 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1048 | 10.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.47 | 0.00 | 3.47 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1049 | 10.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.45 | 0.00 | 3.45 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1050 | 10.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.44 | 0.00 | 3.44 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1051 | 10.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.43 | 0.00 | 3.43 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1052 | 10.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.42 | 0.00 | 3.42 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1053 | 10.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.41 | 0.00 | 3.41 | 0.00 | 1.58 | 0.09 | 1.17 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1054 | 10.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.39 | 0.00 | 3.39 | 0.00 | 1.59 | 0.09 | 1.17 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1055 | 10.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.86 | 3.38 | 0.00 | 3.38 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1056 | 9.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.37 | 0.00 | 3.37 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1057 | 9.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.36 | 0.00 | 3.36 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1058 | 9.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.35 | 0.00 | 3.35 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1059 | 9.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.33 | 0.00 | 3.33 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1060 | 9.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.32 | 0.00 | 3.32 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1061 | 9.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.31 | 0.00 | 3.31 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1062 | 9.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.30 | 0.00 | 3.30 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1063 | 9.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.29 | 0.00 | 3.29 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1064 | 9.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.28 | 0.00 | 3.28 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1065 | 9.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.27 | 0.00 | 3.27 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1066 | 8.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.87 | 3.25 | 0.00 | 3.25 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1067 | 8.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.24 | 0.00 | 3.24 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1068 | 8.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.23 | 0.00 | 3.23 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1069 | 8.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.22 | 0.00 | 3.22 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1070 | 8.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.21 | 0.00 | 3.21 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1071 | 8.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.20 | 0.00 | 3.20 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1072 | 8.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.19 | 0.00 | 3.19 | 0.00 | 1.60 | 0.09 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1073 | 8.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.88 | 3.17 | 0.00 | 3.17 | 0.00 | 1.60 | 0.09 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1074 | 8.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.16 | 0.00 | 3.16 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1075 | 8.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.15 | 0.00 | 3.15 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1076 | 7.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.14 | 0.00 | 3.14 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1077 | 7.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.13 | 0.00 | 3.13 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1078 | 7.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.12 | 0.00 | 3.12 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1079 | 7.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.11 | 0.00 | 3.11 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1080 | 7.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.89 | 3.10 | 0.00 | 3.10 | 0.00 | 1.60 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1081 | 7.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.90 | 3.09 | 0.00 | 3.09 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1082 | 7.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.90 | 3.07 | 0.00 | 3.07 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1083 | 7.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.90 | 3.06 | 0.00 | 3.06 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1084 | 7.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.90 | 3.05 | 0.00 | 3.05 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1085 | 7.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.90 | 3.04 | 0.00 | 3.04 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1086 | 6.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.90 | 3.03 | 0.00 | 3.03 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1087 | 6.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.91 | 3.02 | 0.00 | 3.02 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1088 | 6.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.91 | 3.01 | 0.00 | 3.01 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1089 | 6.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.91 | 3.00 | 0.00 | 3.00 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1090 | 6.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.91 | 2.99 | 0.00 | 2.99 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1091 | 6.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.91 | 2.98 | 0.00 | 2.98 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1092 | 6.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.92 | 2.97 | 0.00 | 2.97 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1093 | 6.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.92 | 2.96 | 0.00 | 2.96 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1094 | 6.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.92 | 2.95 | 0.00 | 2.95 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1095 | 6.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.92 | 2.94 | 0.00 | 2.94 | 0.00 | 1.62 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1096 | 5.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.92 | 2.93 | 0.00 | 2.93 | 0.00 | 1.62 | 0.10 | 1.18 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1097 | 5.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.93 | 2.92 | 0.00 | 2.92 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1098 | 5.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.93 | 2.91 | 0.00 | 2.91 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1099 | 5.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.93 | 2.90 | 0.00 | 2.90 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1100 | 5.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.93 | 2.89 | 0.00 | 2.89 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1101 | 5.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.93 | 2.88 | 0.00 | 2.88 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1102 | 5.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.94 | 2.87 | 0.00 | 2.87 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1103 | 5.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.94 | 2.86 | 0.00 | 2.86 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1104 | 5.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.94 | 2.85 | 0.00 | 2.85 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1105 | 5.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.94 | 2.84 | 0.00 | 2.84 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1106 | 4.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.94 | 2.83 | 0.00 | 2.83 | 0.00 | 1.62 | 0.10 | 1.18 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1107 | 4.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.95 | 2.82 | 0.00 | 2.82 | 0.00 | 1.62 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1108 | 4.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.95 | 2.81 | 0.00 | 2.81 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1109 | 4.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.95 | 2.80 | 0.00 | 2.80 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1110 | 4.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.95 | 2.79 | 0.00 | 2.79 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1111 | 4.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.96 | 2.78 | 0.00 | 2.78 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1112 | 4.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.96 | 2.77 | 0.00 | 2.77 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1113 | 4.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.96 | 2.76 | 0.00 | 2.76 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1114 | 4.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.96 | 2.75 | 0.00 | 2.75 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1115 | 4.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.97 | 2.74 | 0.00 | 2.74 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1116 | 3.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.97 | 2.73 | 0.00 | 2.73 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1117 | 3.800 | 30.10 | 0.0 | 0.0 | 0.0 | 2.97 | 2.72 | 0.00 | 2.72 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1118 | 3.700 | 30.10 | 0.0 | 0.0 | 0.0 | 2.97 | 2.71 | 0.00 | 2.71 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1119 | 3.600 | 30.10 | 0.0 | 0.0 | 0.0 | 2.98 | 2.70 | 0.00 | 2.70 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1120 | 3.500 | 30.10 | 0.0 | 0.0 | 0.0 | 2.98 | 2.69 | 0.00 | 2.69 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1121 | 3.400 | 30.10 | 0.0 | 0.0 | 0.0 | 2.98 | 2.68 | 0.00 | 2.68 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1122 | 3.300 | 30.10 | 0.0 | 0.0 | 0.0 | 2.98 | 2.67 | 0.00 | 2.67 | 0.00 | 1.64 | 0.10 | 1.19 | 2.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1123 | 3.200 | 30.10 | 0.0 | 0.0 | 0.0 | 2.99 | 2.66 | 0.00 | 2.66 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1124 | 3.100 | 30.10 | 0.0 | 0.0 | 0.0 | 2.99 | 2.65 | 0.00 | 2.65 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1125 | 3.000 | 30.10 | 0.0 | 0.0 | 0.0 | 2.99 | 2.64 | 0.00 | 2.64 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1126 | 2.900 | 30.10 | 0.0 | 0.0 | 0.0 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1127 | 2.800 | 30.10 | 0.0 | 0.0 | 0.0 | 3.00 | 2.62 | 0.00 | 2.62 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1128 | 2.700 | 30.10 | 0.0 | 0.0 | 0.0 | 3.00 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1129 | 2.600 | 30.10 | 0.0 | 0.0 | 0.0 | 3.00 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1130 | 2.500 | 30.10 | 0.0 | 0.0 | 0.0 | 3.01 | 2.60 | 0.00 | 2.60 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1131 | 2.400 | 30.10 | 0.0 | 0.0 | 0.0 | 3.01 | 2.59 | 0.00 | 2.59 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1132 | 2.300 | 30.10 | 0.0 | 0.0 | 0.0 | 3.01 | 2.58 | 0.00 | 2.58 | 0.00 | 1.64 | 0.10 | 1.19 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1133 | 2.200 | 30.10 | 0.0 | 0.0 | 0.0 | 3.01 | 2.57 | 0.00 | 2.57 | 0.00 | 1.64 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1134 | 2.100 | 30.10 | 0.0 | 0.0 | 0.0 | 3.02 | 2.56 | 0.00 | 2.56 | 0.00 | 1.64 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1135 | 2.000 | 30.10 | 0.0 | 0.0 | 0.0 | 3.02 | 2.55 | 0.00 | 2.55 | 0.00 | 1.64 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1136 | 1.900 | 30.10 | 0.0 | 0.0 | 0.0 | 3.02 | 2.54 | 0.00 | 2.54 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1137 | 1.800 | 30.10 | 0.0 | 0.0 | 0.0 | 3.03 | 2.53 | 0.00 | 2.53 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1138 | 1.700 | 30.10 | 0.0 | 0.0 | 0.0 | 3.03 | 2.52 | 0.00 | 2.52 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1139 | 1.600 | 30.10 | 0.0 | 0.0 | 0.0 | 3.03 | 2.51 | 0.00 | 2.51 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1140 | 1.500 | 30.10 | 0.0 | 0.0 | 0.0 | 3.03 | 2.51 | 0.00 | 2.51 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1141 | 1.400 | 30.10 | 0.0 | 0.0 | 0.0 | 3.04 | 2.50 | 0.00 | 2.50 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1142 | 1.300 | 30.10 | 0.0 | 0.0 | 0.0 | 3.04 | 2.49 | 0.00 | 2.49 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1143 | 1.200 | 30.10 | 0.0 | 0.0 | 0.0 | 3.04 | 2.48 | 0.00 | 2.48 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1144 | 1.100 | 30.10 | 0.0 | 0.0 | 0.0 | 3.05 | 2.47 | 0.00 | 2.47 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1145 | 1.000 | 30.10 | 0.0 | 0.0 | 0.0 | 3.05 | 2.46 | 0.00 | 2.46 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1146 | 0.900 | 30.10 | 0.0 | 0.0 | 0.0 | 3.05 | 2.45 | 0.00 | 2.45 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1147 | 0.800 | 30.10 | 0.0 | 0.0 | 0.0 | 3.06 | 2.44 | 0.00 | 2.44 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1148 | 0.700 | 30.10 | 0.0 | 0.0 | 0.0 | 3.06 | 2.44 | 0.00 | 2.44 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1149 | 0.600 | 30.10 | 0.0 | 0.0 | 0.0 | 3.06 | 2.43 | 0.00 | 2.43 | 0.00 | 1.65 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1150 | 0.500 | 30.10 | 0.0 | 0.0 | 0.0 | 3.07 | 2.42 | 0.00 | 2.42 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1151 | 0.400 | 30.10 | 0.0 | 0.0 | 0.0 | 3.07 | 2.41 | 0.00 | 2.41 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1152 | 0.300 | 30.10 | 0.0 | 0.0 | 0.0 | 3.07 | 2.40 | 0.00 | 2.40 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1153 | 0.200 | 30.10 | 0.0 | 0.0 | 0.0 | 3.07 | 2.39 | 0.00 | 2.39 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1154 | 0.100 | 30.10 | 0.0 | 0.0 | 0.0 | 3.08 | 2.39 | 0.00 | 2.39 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 1155 | 0.000 | 30.10 | 0.0 | 0.0 | 0.0 | 3.08 | 2.38 | 0.00 | 2.38 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Bayou Poydras #1
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A * | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 10.200 | 27.00 | 0.0 | 0.0 | 0.0 | 1.11 | 30.62 | 0.00 | 30.62 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 127 | 10.100 | 27.00 | 0.0 | 0.0 | 0.0 | 1.77 | 30.54 | 0.00 | 30.54 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 128 | 10.000 | 27.00 | 0.0 | 0.0 | 0.0 | 2.33 | 30.45 | 0.00 | 30.45 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 129 | 9.900 | 27.00 | 0.0 | 0.0 | 0.0 | 2.82 | 30.37 | 0.00 | 30.37 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 130 | 9.800 | 27.00 | 0.0 | 0.0 | 0.0 | 3.25 | 30.28 | 0.00 | 30.28 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 131 | 9.700 | 27.00 | 0.0 | 0.0 | 0.0 | 3.64 | 30.19 | 0.00 | 30.19 | 0.00 | 1.54 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 132 | 9.600 | 27.00 | 0.0 | 0.0 | 0.0 | 3.97 | 30.10 | 0.00 | 30.10 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 133 | 9.500 | 27.00 | 0.0 | 0.0 | 0.0 | 4.27 | 30.02 | 0.00 | 30.02 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 134 | 9.400 | 27.00 | 0.0 | 0.0 | 0.0 | 4.53 | 29.93 | 0.00 | 29.93 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 135 | 9.300 | 27.00 | 0.0 | 0.0 | 0.0 | 4.76 | 29.84 | 0.00 | 29.84 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 136 | 9.200 | 27.00 | 0.0 | 0.0 | 0.0 | 4.97 | 29.76 | 0.00 | 29.76 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 137 | 9.100 | 27.00 | 0.0 | 0.0 | 0.0 | 5.15 | 29.67 | 0.00 | 29.67 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 138 | 9.000 | 27.00 | 0.0 | 0.0 | 0.0 | 5.31 | 29.58 | 0.00 | 29.58 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 139 | 8.900 | 27.00 | 0.0 | 0.0 | 0.0 | 5.45 | 29.50 | 0.00 | 29.50 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 140 | 8.800 | 27.00 | 0.0 | 0.0 | 0.0 | 5.57 | 29.41 | 0.00 | 29.41 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 141 | 8.700 | 27.00 | 0.0 | 0.0 | 0.0 | 5.68 | 29.33 | 0.00 | 29.33 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 142 | 8.600 | 27.00 | 0.0 | 0.0 | 0.0 | 5.77 | 29.24 | 0.00 | 29.24 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 143 | 8.500 | 27.00 | 0.0 | 0.0 | 0.0 | 5.86 | 29.16 | 0.00 | 29.16 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 144 | 8.400 | 27.00 | 0.0 | 0.0 | 0.0 | 5.93 | 29.08 | 0.00 | 29.08 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 145 | 8.300 | 27.00 | 0.0 | 0.0 | 0.0 | 6.00 | 28.99 | 0.00 | 28.99 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 146 | 8.200 | 27.00 | 0.0 | 0.0 | 0.0 | 6.06 | 28.91 | 0.00 | 28.91 | 0.00 | 1.52 | 0.19 | 0.03 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 147 | 8.100 | 27.00 | 0.0 | 0.0 | 0.0 | 6.11 | 28.82 | 0.00 | 28.82 | 0.00 | 1.52 | 0.19 | 0.03 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 148 | 8.000 | 27.00 | 0.0 | 0.0 | 0.0 | 6.16 | 28.77 | 0.00 | 28.77 | 0.00 | 1.52 | 0.19 | 0.03 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 149 | 7.900 | 27.00 | 0.0 | 0.0 | 0.0 | 6.20 | 28.69 | 0.00 | 28.69 | 0.00 | 1.52 | 0.19 | 0.03 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 150 | 7.800 | 27.00 | 0.0 | 0.0 | 0.0 | 6.23 | 28.61 | 0.00 | 28.61 | 0.00 | 1.52 | 0.19 | 0.03 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 151 | 7.700 | 27.00 | 0.0 | 0.0 | 0.0 | 6.27 | 28.53 | 0.00 | 28.53 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 152 | 7.600 | 27.00 | 0.0 | 0.0 | 0.0 | 6.29 | 28.45 | 0.00 | 28.45 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 153 | 7.500 | 27.00 | 0.0 | 0.0 | 0.0 | 6.32 | 28.37 | 0.00 | 28.37 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 154 | 7.400 | 27.00 | 0.0 | 0.0 | 0.0 | 6.34 | 28.29 | 0.00 | 28.29 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 155 | 7.300 | 27.00 | 0.0 | 0.0 | 0.0 | 6.36 | 28.20 | 0.00 | 28.20 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 156 | 7.200 | 27.00 | 0.0 | 0.0 | 0.0 | 6.38 | 28.12 | 0.00 | 28.12 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 157 | 7.100 | 27.00 | 0.0 | 0.0 | 0.0 | 6.40 | 28.04 | 0.00 | 28.04 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 158 | 7.000 | 27.00 | 0.0 | 0.0 | 0.0 | 6.41 | 27.97 | 0.00 | 27.97 | 0.00 | 1.52 | 0.19 | 0.05 | 1.76 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 159 | 6.900 | 27.00 | 0.0 | 0.0 | 0.0 | 6.42 | 27.89 | 0.00 | 27.89 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 160 | 6.800 | 27.00 | 0.0 | 0.0 | 0.0 | 6.43 | 27.81 | 0.00 | 27.81 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 161 | 6.700 | 27.00 | 0.0 | 0.0 | 0.0 | 6.44 | 27.73 | 0.00 | 27.73 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 162 | 6.600 | 27.00 | 0.0 | 0.0 | 0.0 | 6.45 | 27.65 | 0.00 | 27.65 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 163 | 6.500 | 27.00 | 0.0 | 0.0 | 0.0 | 6.46 | 27.57 | 0.00 | 27.57 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 164 | 6.400 | 27.00 | 0.0 | 0.0 | 0.0 | 6.47 | 27.51 | 0.00 | 27.51 | 0.00 | 1.51 | 0.19 | 0.06 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 165 | 6.300 | 27.00 | 0.0 | 0.0 | 0.0 | 6.48 | 27.43 | 0.00 | 27.43 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 166 | 6.200 | 27.00 | 0.0 | 0.0 | 0.0 | 6.48 | 27.35 | 0.00 | 27.35 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 167 | 6.100 | 27.00 | 0.0 | 0.0 | 0.0 | 6.49 | 27.27 | 0.00 | 27.27 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 168 | 6.000 | 27.00 | 0.0 | 0.0 | 0.0 | 6.50 | 27.19 | 0.00 | 27.19 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 169 | 5.900 | 27.00 | 0.0 | 0.0 | 0.0 | 6.50 | 27.12 | 0.00 | 27.12 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 170 | 5.800 | 27.00 | 0.0 | 0.0 | 0.0 | 6.51 | 27.04 | 0.00 | 27.04 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 171 | 5.700 | 27.00 | 0.0 | 0.0 | 0.0 | 6.51 | 26.96 | 0.00 | 26.96 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 172 | 5.600 | 27.00 | 0.0 | 0.0 | 0.0 | 6.52 | 26.88 | 0.00 | 26.88 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 173 | 5.500 | 27.00 | 0.0 | 0.0 | 0.0 | 6.52 | 26.81 | 0.00 | 26.81 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 174 | 5.400 | 27.00 | 0.0 | 0.0 | 0.0 | 6.52 | 26.73 | 0.00 | 26.73 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 175 | 5.300 | 27.00 | 0.0 | 0.0 | 0.0 | 6.53 | 26.65 | 0.00 | 26.65 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 176 | 5.200 | 27.00 | 0.0 | 0.0 | 0.0 | 6.53 | 26.58 | 0.00 | 26.58 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 177 | 5.100 | 27.00 | 0.0 | 0.0 | 0.0 | 6.53 | 26.50 | 0.00 | 26.50 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 178 | 5.000 | 27.00 | 0.0 | 0.0 | 0.0 | 6.54 | 26.42 | 0.00 | 26.42 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 179 | 4.900 | 27.00 | 0.0 | 0.0 | 0.0 | 6.54 | 26.35 | 0.00 | 26.35 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 180 | 4.800 | 27.00 | 0.0 | 0.0 | 0.0 | 6.54 | 26.27 | 0.00 | 26.27 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 181 | 4.700 | 27.00 | 0.0 | 0.0 | 0.0 | 6.54 | 26.20 | 0.00 | 26.20 | 0.00 | 1.50 | 0.18 | 0.09 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 182 | 4.600 | 27.00 | 0.0 | 0.0 | 0.0 | 6.55 | 26.12 | 0.00 | 26.12 | 0.00 | 1.50 | 0.18 | 0.09 | 1.77 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 183 | 4.500 | 27.04 | 0.0 | 0.0 | 0.0 | 6.10 | 26.52 | 0.00 | 26.52 | 0.00 | 1.57 | 0.17 | 0.14 | 1.88 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 184 | 4.400 | 27.09 | 0.0 | 0.0 | 0.0 | 5.74 | 26.88 | 0.00 | 26.88 | 0.00 | 1.64 | 0.16 | 0.20 | 1.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 185 | 4.300 | 27.13 | 0.0 | 0.0 | 0.0 | 5.44 | 27.19 | 0.00 | 27.19 | 0.00 | 1.69 | 0.15 | 0.24 | 2.08 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 186 | 4.200 | 27.17 | 0.0 | 0.0 | 0.0 | 5.18 | 27.52 | 0.00 | 27.52 | 0.00 | 1.74 | 0.17 | 0.32 | 2.23 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 187 | 4.100 | 27.22 | 0.0 | 0.0 | 0.0 | 4.97 | 27.78 | 0.00 | 27.78 | 0.00 | 1.79 | 0.17 | 0.36 | 2.32 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 188 | 4.000 | 27.26 | 0.0 | 0.0 | 0.0 | 4.79 | 28.00 | 0.00 | 28.00 | 0.00 | 1.83 | 0.16 | 0.39 | 2.38 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 189 | 3.900 | 27.30 | 0.0 | 0.0 | 0.0 | 4.65 | 28.19 | 0.00 | 28.19 | 0.00 | 1.87 | 0.15 | 0.42 | 2.44 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 190 | 3.800 | 27.35 | 0.0 | 0.0 | 0.0 | 4.52 | 28.37 | 0.00 | 28.37 | 0.00 | 1.90 | 0.15 | 0.45 | 2.50 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 191 | 3.700 | 27.39 | 0.0 | 0.0 | 0.0 | 4.42 | 28.53 | 0.00 | 28.53 | 0.00 | 1.93 | 0.14 | 0.47 | 2.55 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 192 | 3.600 | 27.43 | 0.0 | 0.0 | 0.0 | 4.34 | 28.68 | 0.00 | 28.68 | 0.00 | 1.96 | 0.14 | 0.49 | 2.59 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 193 | 3.500 | 27.48 | 0.0 | 0.0 | 0.0 | 4.27 | 28.82 | 0.00 | 28.82 | 0.00 | 1.99 | 0.13 | 0.51 | 2.64 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 194 | 3.400 | 27.52 | 0.0 | 0.0 | 0.0 | 4.21 | 28.95 | 0.00 | 28.95 | 0.00 | 2.02 | 0.13 | 0.53 | 2.68 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 195 | 3.300 | 27.57 | 0.0 | 0.0 | 0.0 | 4.16 | 29.07 | 0.00 | 29.07 | 0.00 | 2.04 | 0.12 | 0.55 | 2.71 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 196 | 3.200 | 27.61 | 0.0 | 0.0 | 0.0 | 4.12 | 29.17 | 0.00 | 29.17 | 0.00 | 2.06 | 0.12 | 0.57 | 2.75 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 197 | 3.100 | 27.65 | 0.0 | 0.0 | 0.0 | 4.09 | 29.27 | 0.00 | 29.27 | 0.00 | 2.09 | 0.12 | 0.58 | 2.78 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 198 | 3.000 | 27.70 | 0.0 | 0.0 | 0.0 | 4.06 | 29.37 | 0.00 | 29.37 | 0.00 | 2.11 | 0.11 | 0.60 | 2.81 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 199 | 2.900 | 27.74 | 0.0 | 0.0 | 0.0 | 4.04 | 29.46 | 0.00 | 29.46 | 0.00 | 2.12 | 0.11 | 0.61 | 2.84 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 200 | 2.800 | 27.78 | 0.0 | 0.0 | 0.0 | 4.03 | 29.54 | 0.00 | 29.54 | 0.00 | 2.14 | 0.11 | 0.62 | 2.87 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 201 | 2.700 | 27.83 | 0.0 | 0.0 | 0.0 | 4.02 | 29.61 | 0.00 | 29.61 | 0.00 | 2.16 | 0.11 | 0.63 | 2.90 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 202 | 2.600 | 27.87 | 0.0 | 0.0 | 0.0 | 4.01 | 29.68 | 0.00 | 29.68 | 0.00 | 2.17 | 0.10 | 0.64 | 2.92 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 203 | 2.500 | 27.91 | 0.0 | 0.0 | 0.0 | 4.00 | 29.75 | 0.00 | 29.75 | 0.00 | 2.19 | 0.10 | 0.66 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 204 | 2.400 | 27.96 | 0.0 | 0.0 | 0.0 | 4.00 | 29.81 | 0.00 | 29.81 | 0.00 | 2.20 | 0.10 | 0.67 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 205 | 2.300 | 28.00 | 0.0 | 0.0 | 0.0 | 4.00 | 29.87 | 0.00 | 29.87 | 0.00 | 2.22 | 0.10 | 0.68 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 206 | 2.200 | 28.04 | 0.0 | 0.0 | 0.0 | 4.00 | 29.93 | 0.00 | 29.93 | 0.00 | 2.23 | 0.10 | 0.68 | 3.01 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 207 | 2.100 | 28.09 | 0.0 | 0.0 | 0.0 | 4.01 | 29.98 | 0.00 | 29.98 | 0.00 | 2.24 | 0.09 | 0.69 | 3.03 | 0.00 | 0.0 | 0.0 | 0. 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 208 | 2.000 | 28.13 | 0.0 | 0.0 | 0.0 | 4.01 | 30.03 | 0.00 | 30.03 | 0.00 | 2.25 | 0.09 | 0.70 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 209 | 1.900 | 28.17 | 0.0 | 0.0 | 0.0 | 4.02 | 30.08 | 0.00 | 30.08 | 0.00 | 2.26 | 0.09 | 0.71 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 210 | 1.800 | 28.22 | 0.0 | 0.0 | 0.0 | 4.02 | 30.12 | 0.00 | 30.12 | 0.00 | 2.27 | 0.09 | 0.72 | 3.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 211 | 1.700 | 28.26 | 0.0 | 0.0 | 0.0 | 4.03 | 30.16 | 0.00 | 30.16 | 0.00 | 2.28 | 0.09 | 0.72 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 212 | 1.600 | 28.30 | 0.0 | 0.0 | 0.0 | 4.04 | 30.20 | 0.00 | 30.20 | 0.00 | 2.29 | 0.09 | 0.73 | 3.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 213 | 1.500 | 28.35 | 0.0 | 0.0 | 0.0 | 4.05 | 30.24 | 0.00 | 30.24 | 0.00 | 2.30 | 0.09 | 0.74 | 3.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 214 | 1.400 | 28.39 | 0.0 | 0.0 | 0.0 | 4.06 | 30.28 | 0.00 | 30.28 | 0.00 | 2.31 | 0.09 | 0.74 | 3.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 215 | 1.300 | 28.43 | 0.0 | 0.0 | 0.0 | 4.07 | 30.31 | 0.00 | 30.31 | 0.00 | 2.32 | 0.08 | 0.75 | 3.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 216 | 1.200 | 28.48 | 0.0 | 0.0 | 0.0 | 4.08 | 30.34 | 0.00 | 30.34 | 0.00 | 2.33 | 0.08 | 0.75 | 3.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 217 | 1.100 | 28.52 | 0.0 | 0.0 | 0.0 | 4.09 | 30.37 | 0.00 | 30.37 | 0.00 | 2.33 | 0.08 | 0.76 | 3.18 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 218 | 1.000 | 28.57 | 0.0 | 0.0 | 0.0 | 4.10 | 30.40 | 0.00 | 30.40 | 0.00 | 2.34 | 0.08 | 0.76 | 3.19 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 219 | 0.900 | 28.61 | 0.0 | 0.0 | 0.0 | 4.11 | 30.43 | 0.00 | 30.43 | 0.00 | 2.35 | 0.08 | 0.77 | 3.20 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 220 | 0.800 | 28.65 | 0.0 | 0.0 | 0.0 | 4.12 | 30.45 | 0.00 | 30.45 | 0.00 | 2.36 | 0.08 | 0.77 | 3.21 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 221 | 0.700 | 28.70 | 0.0 | 0.0 | 0.0 | 4.14 | 30.48 | 0.00 | 30.48 | 0.00 | 2.36 | 0.08 | 0.78 | 3.22 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 222 | 0.600 | 28.74 | 0.0 | 0.0 | 0.0 | 4.15 | 30.50 | 0.00 | 30.50 | 0.00 | 2.37 | 0.08 | 0.78 | 3.23 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 223 | 0.500 | 28.78 | 0.0 | 0.0 | 0.0 | 4.16 | 30.53 | 0.00 | 30.53 | 0.00 | 2.37 | 0.08 | 0.79 | 3.24 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 224 | 0.400 | 28.83 | 0.0 | 0.0 | 0.0 | 4.17 | 30.55 | 0.00 | 30.55 | 0.00 | 2.38 | 0.08 | 0.79 | 3.25 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 225 | 0.300 | 28.87 | 0.0 | 0.0 | 0.0 | 4.18 | 30.57 | 0.00 | 30.57 | 0.00 | 2.39 | 0.08 | 0.80 | 3.26 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 226 | 0.200 | 28.91 | 0.0 | 0.0 | 0.0 | 4.19 | 30.59 | 0.00 | 30.59 | 0.00 | 2.39 | 0.08 | 0.80 | 3.27 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 227 | 0.100 | 28.96 | 0.0 | 0.0 | 0.0 | 4.20 | 30.61 | 0.00 | 30.61 | 0.00 | 2.40 | 0.08 | 0.80 | 3.28 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 228 | 0.000 | 29.00 | 0.0 | 0.0 | 0.0 | 4.21 | 30.63 | 0.00 | 30.63 | 0.00 | 2.40 | 0.07 | 0.81 | 3.29 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Chamberlin Canal #1
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A | MACRO #/100mL | COLI | NCM * |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 7.400 | 26.38 | 0.0 | 0.0 | 0.0 | 4.65 | 9.86 | 0.00 | 9.86 | 0.00 | 1.28 | 0.09 | 0.08 | 1.44 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 273 | 7.300 | 26.46 | 0.0 | 0.0 | 0.0 | 5.16 | 10.32 | 0.00 | 10.32 | 0.00 | 1.36 | 0.08 | 0.09 | 1.52 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 274 | 7.200 | 26.55 | 0.0 | 0.0 | 0.0 | 5.25 | 10.68 | 0.00 | 10.68 | 0.00 | 1.42 | 0.07 | 0.09 | 1.59 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 275 | 7.100 | 26.63 | 0.0 | 0.0 | 0.0 | 5.32 | 10.98 | 0.00 | 10.98 | 0.00 | 1.48 | 0.06 | 0.10 | 1.64 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 276 | 7.000 | 26.71 | 0.0 | 0.0 | 0.0 | 5.38 | 11.23 | 0.00 | 11.23 | 0.00 | 1.54 | 0.06 | 0.10 | 1.69 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 277 | 6.900 | 26.79 | 0.0 | 0.0 | 0.0 | 5.44 | 11.43 | 0.00 | 11.43 | 0.00 | 1.58 | 0.06 | 0.10 | 1.74 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 278 | 6.800 | 26.87 | 0.0 | 0.0 | 0.0 | 5.49 | 11.60 | 0.00 | 11.60 | 0.00 | 1.62 | 0.05 | 0.10 | 1.78 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 279 | 6.700 | 26.95 | 0.0 | 0.0 | 0.0 | 5.53 | 11.74 | 0.00 | 11.74 | 0.00 | 1.66 | 0.05 | 0.10 | 1.81 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 280 | 6.600 | 27.04 | 0.0 | 0.0 | 0.0 | 5.57 | 11.86 | 0.00 | 11.86 | 0.00 | 1.69 | 0.05 | 0.11 | 1.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 281 | 6.500 | 27.12 | 0.0 | 0.0 | 0.0 | 5.61 | 11.96 | 0.00 | 11.96 | 0.00 | 1.72 | 0.05 | 0.11 | 1.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 282 | 6.400 | 27.20 | 0.0 | 0.0 | 0.0 | 5.64 | 12.05 | 0.00 | 12.05 | 0.00 | 1.74 | 0.05 | 0.11 | 1.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 283 | 6.300 | 27.28 | 0.0 | 0.0 | 0.0 | 5.67 | 12.13 | 0.00 | 12.13 | 0.00 | 1.77 | 0.05 | 0.11 | 1.92 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 284 | 6.200 | 27.36 | 0.0 | 0.0 | 0.0 | 5.70 | 12.19 | 0.00 | 12.19 | 0.00 | 1.79 | 0.05 | 0.11 | 1.95 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 285 | 6.100 | 27.45 | 0.0 | 0.0 | 0.0 | 5.72 | 12.25 | 0.00 | 12.25 | 0.00 | 1.81 | 0.04 | 0.11 | 1.97 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 286 | 6.000 | 27.53 | 0.0 | 0.0 | 0.0 | 5.74 | 12.29 | 0.00 | 12.29 | 0.00 | 1.83 | 0.04 | 0.11 | 1.98 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 287 | 5.900 | 27.61 | 0.0 | 0.0 | 0.0 | 5.77 | 12.34 | 0.00 | 12.34 | 0.00 | 1.85 | 0.04 | 0.11 | 2.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 288 | 5.800 | 27.69 | 0.0 | 0.0 | 0.0 | 5.78 | 12.37 | 0.00 | 12.37 | 0.00 | 1.86 | 0.04 | 0.11 | 2.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 289 | 5.700 | 27.77 | 0.0 | 0.0 | 0.0 | 5.79 | 12.40 | 0.00 | 12.40 | 0.00 | 1.88 | 0.04 | 0.11 | 2.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 290 | 5.600 | 27.85 | 0.0 | 0.0 | 0.0 | 5.78 | 12.43 | 0.00 | 12.43 | 0.00 | 1.89 | 0.04 | 0.11 | 2.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 291 | 5.500 | 27.94 | 0.0 | 0.0 | 0.0 | 5.76 | 12.45 | 0.00 | 12.45 | 0.00 | 1.90 | 0.04 | 0.11 | 2.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 292 | 5.400 | 28.02 | 0.0 | 0.0 | 0.0 | 5.74 | 12.47 | 0.00 | 12.47 | 0.00 | 1.92 | 0.04 | 0.11 | 2.07 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 293 | 5.300 | 28.10 | 0.0 | 0.0 | 0.0 | 5.73 | 12.49 | 0.00 | 12.49 | 0.00 | 1.93 | 0.04 | 0.11 | 2.08 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 294 | 5.200 | 28.18 | 0.0 | 0.0 | 0.0 | 5.71 | 12.50 | 0.00 | 12.50 | 0.00 | 1.94 | 0.04 | 0.12 | 2.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 295 | 5.100 | 28.26 | 0.0 | 0.0 | 0.0 | 5.69 | 12.51 | 0.00 | 12.51 | 0.00 | 1.95 | 0.04 | 0.12 | 2.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 296 | 5.000 | 28.35 | 0.0 | 0.0 | 0.0 | 5.67 | 12.52 | 0.00 | 12.52 | 0.00 | 1.96 | 0.04 | 0.12 | 2.11 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 297 | 4.900 | 28.43 | 0.0 | 0.0 | 0.0 | 5.65 | 12.53 | 0.00 | 12.53 | 0.00 | 1.96 | 0.04 | 0.12 | 2.12 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 298 | 4.800 | 28.51 | 0.0 | 0.0 | 0.0 | 5.63 | 12.53 | 0.00 | 12.53 | 0.00 | 1.97 | 0.04 | 0.12 | 2.13 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 299 | 4.700 | 28.59 | 0.0 | 0.0 | 0.0 | 5.62 | 12.54 | 0.00 | 12.54 | 0.00 | 1.98 | 0.04 | 0.12 | 2.14 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 300 | 4.600 | 28.67 | 0.0 | 0.0 | 0.0 | 5.60 | 12.54 | 0.00 | 12.54 | 0.00 | 1.99 | 0.04 | 0.12 | 2.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 301 | 4.500 | 28.75 | 0.0 | 0.0 | 0.0 | 5.58 | 12.54 | 0.00 | 12.54 | 0.00 | 2.00 | 0.04 | 0.12 | 2.15 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 302 | 4.400 | 28.84 | 0.0 | 0.0 | 0.0 | 5.56 | 12.54 | 0.00 | 12.54 | 0.00 | 2.00 | 0.04 | 0.12 | 2.16 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 303 | 4.300 | 28.92 | 0.0 | 0.0 | 0.0 | 5.54 | 12.54 | 0.00 | 12.54 | 0.00 | 2.01 | 0.04 | 0.12 | 2.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 304 | 4.200 | 29.00 | 0.0 | 0.0 | 0.0 | 5.53 | 12.54 | 0.00 | 12.54 | 0.00 | 2.01 | 0.04 | 0.12 | 2.17 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 305 | 4.100 | 29.05 | 0.0 | 0.0 | 0.0 | 4.12 | 20.07 | 0.00 | 20.07 | 0.00 | 2.01 | 0.68 | 0.41 | 3.10 | 0.00 | 1.6 | 0.0 | 0. | 0.00 |
| 306 | 4.000 | 29.11 | 0.0 | 0.0 | 0.0 | 3.70 | 18.74 | 0.00 | 18.74 | 0.00 | 2.01 | 0.59 | 0.47 | 3.08 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 307 | 3.900 | 29.16 | 0.0 | 0.0 | 0.0 | 3.58 | 17.57 | 0.00 | 17.57 | 0.00 | 2.01 | 0.52 | 0.52 | 3.05 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 308 | 3.800 | 29.22 | 0.0 | 0.0 | 0.0 | 3.60 | 16.53 | 0.00 | 16.53 | 0.00 | 2.01 | 0.45 | 0.56 | 3.03 | 0.00 | 6.3 | 0.0 | 0. | 0.00 |
| 309 | 3.700 | 29.27 | 0.0 | 0.0 | 0.0 | 3.67 | 15.60 | 0.00 | 15.60 | 0.00 | 2.01 | 0.40 | 0.59 | 3.00 | 0.00 | 7.9 | 0.0 | 0. | 0.00 |
| 310 | 3.600 | 29.33 | 0.0 | 0.0 | 0.0 | 3.76 | 14.78 | 0.00 | 14.78 | 0.00 | 2.01 | 0.35 | 0.61 | 2.98 | 0.00 | 9.4 | 0.0 | 0. | 0.00 |
| 311 | 3.500 | 29.38 | 0.0 | 0.0 | 0.0 | 3.85 | 14.05 | 0.00 | 14.05 | 0.00 | 2.01 | 0.31 | 0.62 | 2.95 | 0.00 | 11.0 | 0.0 | 0. | 0.00 |
| 312 | 3.400 | 29.44 | 0.0 | 0.0 | 0.0 | 3.94 | 13.39 | 0.00 | 13.39 | 0.00 | 2.01 | 0.28 | 0.63 | 2.92 | 0.00 | 12.6 | 0.0 | 0. | 0.00 |
| 313 | 3.300 | 29.49 | 0.0 | 0.0 | 0.0 | 4.03 | 12.80 | 0.00 | 12.80 | 0.00 | 2.02 | 0.25 | 0.63 | 2.89 | 0.00 | 14.1 | 0.0 | 0. | 0.00 |
| 314 | 3.200 | 29.55 | 0.0 | 0.0 | 0.0 | 4.11 | 12.27 | 0.00 | 12.27 | 0.00 | 2.02 | 0.23 | 0.62 | 2.86 | 0.00 | 15.7 | 0.0 | 0. | 0.00 |
| 315 | 3.100 | 29.60 | 0.0 | 0.0 | 0.0 | 4.18 | 11.79 | 0.00 | 11.79 | 0.00 | 2.02 | 0.20 | 0.61 | 2.83 | 0.00 | 17.3 | 0.0 | 0. | 0.00 |
| 316 | 3.000 | 29.66 | 0.0 | 0.0 | 0.0 | 4.26 | 11.35 | 0.00 | 11.35 | 0.00 | 2.02 | 0.19 | 0.60 | 2.80 | 0.00 | 18.9 | 0.0 | 0. | 0.00 |
| 317 | 2.900 | 29.71 | 0.0 | 0.0 | 0.0 | 4.32 | 10.96 | 0.00 | 10.96 | 0.00 | 2.02 | 0.17 | 0.58 | 2.77 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 318 | 2.800 | 29.77 | 0.0 | 0.0 | 0.0 | 4.39 | 10.60 | 0.00 | 10.60 | 0.00 | 2.02 | 0.16 | 0.56 | 2.74 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 319 | 2.700 | 29.82 | 0.0 | 0.0 | 0.0 | 4.45 | 10.28 | 0.00 | 10.28 | 0.00 | 2.02 | 0.14 | 0.54 | 2.70 | 0.00 | 23.6 | 0.0 | 0. | 0.00 |
| 320 | 2.600 | 29.88 | 0.0 | 0.0 | 0.0 | 4.51 | 9.98 | 0.00 | 9.98 | 0.00 | 2.02 | 0.13 | 0.52 | 2.67 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 321 | 2.500 | 29.93 | 0.0 | 0.0 | 0.0 | 4.56 | 9.71 | 0.00 | 9.71 | 0.00 | 2.02 | 0.12 | 0.49 | 2.64 | 0.00 | 26.7 | 0.0 | 0. | 0.00 |
| 322 | 2.400 | 29.99 | 0.0 | 0.0 | 0.0 | 4.62 | 9.46 | 0.00 | 9.46 | 0.00 | 2.02 | 0.12 | 0.47 | 2.60 | 0.00 | 28.3 | 0.0 | 0. | 0.00 |
| 323 | 2.300 | 30.04 | 0.0 | 0.0 | 0.0 | 4.67 | 9.24 | 0.00 | 9.24 | 0.00 | 2.02 | 0.11 | 0.44 | 2.57 | 0.00 | 29.9 | 0.0 | 0. | 0.00 |
| 324 | 2.200 | 30.10 | 0.0 | 0.0 | 0.0 | 4.72 | 9.03 | 0.00 | 9.03 | 0.00 | 2.02 | 0.10 | 0.41 | 2.53 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 325 | 2.100 | 30.15 | 0.0 | 0.0 | 0.0 | 4.76 | 8.84 | 0.00 | 8.84 | 0.00 | 2.02 | 0.10 | 0.38 | 2.50 | 0.00 | 33.0 | 0.0 | 0. | 0.00 |
| 326 | 2.000 | 30.20 | 0.0 | 0.0 | 0.0 | 4.81 | 8.66 | 0.00 | 8.66 | 0.00 | 2.02 | 0.09 | 0.35 | 2.46 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 327 | 1.900 | 30.26 | 0.0 | 0.0 | 0.0 | 4.85 | 8.49 | 0.00 | 8.49 | 0.00 | 2.02 | 0.09 | 0.32 | 2.42 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 328 | 1.800 | 30.31 | 0.0 | 0.0 | 0.0 | 4.90 | 8.34 | 0.00 | 8.34 | 0.00 | 2.02 | 0.08 | 0.28 | 2.39 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 329 | 1.700 | 30.37 | 0.0 | 0.0 | 0.0 | 4.94 | 8.20 | 0.00 | 8.20 | 0.00 | 2.02 | 0.08 | 0.25 | 2.35 | 0.00 | 39.3 | 0.0 | 0. | 0.00 |
| 330 | 1.600 | 30.42 | 0.0 | 0.0 | 0.0 | 4.98 | 8.07 | 0.00 | 8.07 | 0.00 | 2.02 | 0.08 | 0.21 | 2.31 | 0.00 | 40.9 | 0.0 | 0. | 0.00 |
| 331 | 1.500 | 30.48 | 0.0 | 0.0 | 0.0 | 5.02 | 7.95 | 0.00 | 7.95 | 0.00 | 2.02 | 0.07 | 0.18 | 2.27 | 0.00 | 42.4 | 0.0 | 0. | 0.00 |
| 332 | 1.400 | 30.53 | 0.0 | 0.0 | 0.0 | 5.06 | 7.84 | 0.00 | 7.84 | 0.00 | 2.02 | 0.07 | 0.14 | 2.23 | 0.00 | 44.0 | 0.0 | 0. | 0.00 |
| 333 | 1.300 | 30.59 | 0.0 | 0.0 | 0.0 | 5.10 | 7.74 | 0.00 | 7.74 | 0.00 | 2.02 | 0.07 | 0.10 | 2.20 | 0.00 | 45.6 | 0.0 | 0. | 0.00 |
| 334 | 1.200 | 30.64 | 0.0 | 0.0 | 0.0 | 5.14 | 7.64 | 0.00 | 7.64 | 0.00 | 2.02 | 0.07 | 0.07 | 2.16 | 0.00 | 47.1 | 0.0 | 0. | 0.00 |
| 335 | 1.100 | 30.70 | 0.0 | 0.0 | 0.0 | 5.18 | 7.55 | 0.00 | 7.55 | 0.00 | 2.02 | 0.07 | 0.03 | 2.12 | 0.00 | 48.7 | 0.0 | 0. | 0.00 |
| 336 | 1.000 | 30.75 | 0.0 | 0.0 | 0.0 | 5.22 | 7.46 | 0.00 | 7.46 | 0.00 | 2.02 | 0.06 | 0.00 | 2.09 | 0.00 | 50.3 | 0.0 | 0. | 0.00 |
| 337 | 0.900 | 30.81 | 0.0 | 0.0 | 0.0 | 5.26 | 7.38 | 0.00 | 7.38 | 0.00 | 2.02 | 0.06 | 0.00 | 2.09 | 0.00 | 51.9 | 0.0 | 0. | 0.00 |
| 338 | 0.800 | 30.86 | 0.0 | 0.0 | 0.0 | 5.29 | 7.31 | 0.00 | 7.31 | 0.00 | 2.02 | 0.06 | 0.00 | 2.09 | 0.00 | 53.4 | 0.0 | 0. | 0.00 |
| 339 | 0.700 | 30.92 | 0.0 | 0.0 | 0.0 | 5.33 | 7.23 | 0.00 | 7.23 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 55.0 | 0.0 | 0. | 0.00 |
| 340 | 0.600 | 30.97 | 0.0 | 0.0 | 0.0 | 5.37 | 7.17 | 0.00 | 7.17 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 56.6 | 0.0 | 0. | 0.00 |
| 341 | 0.500 | 31.03 | 0.0 | 0.0 | 0.0 | 5.41 | 7.10 | 0.00 | 7.10 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 58.1 | 0.0 | 0. | 0.00 |
| 342 | 0.400 | 31.08 | 0.0 | 0.0 | 0.0 | 5.44 | 7.05 | 0.00 | 7.05 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 59.7 | 0.0 | 0. | 0.00 |
| 343 | 0.300 | 31.14 | 0.0 | 0.0 | 0.0 | 5.48 | 6.99 | 0.00 | 6.99 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 61.3 | 0.0 | 0. | 0.00 |
| 344 | 0.200 | 31.19 | 0.0 | 0.0 | 0.0 | 5.51 | 6.94 | 0.00 | 6.94 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 62.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 345 | 0.100 | 31.25 | 0.0 | 0.0 | 0.0 | 5.55 | 6.89 | 0.00 | 6.89 | 0.00 | 2.02 | 0.05 | 0.00 | 2.08 | 0.00 | 64.4 | 0.0 | 0. | 0.00 | | |
| 346 | 0.000 | 31.30 | 0.0 | 0.0 | 0.0 | 5.59 | 6.84 | 0.00 | 6.84 | 0.00 | 2.02 | 0.05 | 0.00 | 2.08 | 0.00 | 66.0 | 0.0 | 0. | 0.00 | | |

SPECIAL REPORT: Intracoastal Waterwa
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 13.300 | 29.80 | 0.0 | 0.0 | 0.0 | 7.37 | 2.19 | 0.00 | 2.19 | 0.00 | 1.10 | 0.03 | 1.70 | 2.83 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 421 | 13.200 | 29.81 | 0.0 | 0.0 | 0.0 | 7.35 | 2.19 | 0.00 | 2.19 | 0.00 | 1.10 | 0.03 | 1.70 | 2.83 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 422 | 13.100 | 29.81 | 0.0 | 0.0 | 0.0 | 7.32 | 2.18 | 0.00 | 2.18 | 0.00 | 1.10 | 0.03 | 1.70 | 2.83 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 423 | 13.000 | 29.82 | 0.0 | 0.0 | 0.0 | 7.30 | 2.18 | 0.00 | 2.18 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 424 | 12.900 | 29.82 | 0.0 | 0.0 | 0.0 | 7.27 | 2.17 | 0.00 | 2.17 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 425 | 12.800 | 29.83 | 0.0 | 0.0 | 0.0 | 7.25 | 2.17 | 0.00 | 2.17 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 426 | 12.700 | 29.83 | 0.0 | 0.0 | 0.0 | 7.22 | 2.16 | 0.00 | 2.16 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 427 | 12.600 | 29.84 | 0.0 | 0.0 | 0.0 | 7.20 | 2.16 | 0.00 | 2.16 | 0.00 | 1.11 | 0.03 | 1.70 | 2.84 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 428 | 12.500 | 29.84 | 0.0 | 0.0 | 0.0 | 7.17 | 2.16 | 0.00 | 2.16 | 0.00 | 1.11 | 0.03 | 1.71 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 429 | 12.400 | 29.84 | 0.0 | 0.0 | 0.0 | 7.15 | 2.15 | 0.00 | 2.15 | 0.00 | 1.11 | 0.03 | 1.71 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 430 | 12.300 | 29.85 | 0.0 | 0.0 | 0.0 | 7.12 | 2.15 | 0.00 | 2.15 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 431 | 12.200 | 29.85 | 0.0 | 0.0 | 0.0 | 7.10 | 2.14 | 0.00 | 2.14 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 432 | 12.100 | 29.86 | 0.0 | 0.0 | 0.0 | 7.07 | 2.14 | 0.00 | 2.14 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 433 | 12.000 | 29.86 | 0.0 | 0.0 | 0.0 | 7.05 | 2.13 | 0.00 | 2.13 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 434 | 11.900 | 29.87 | 0.0 | 0.0 | 0.0 | 7.03 | 2.13 | 0.00 | 2.13 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 435 | 11.800 | 29.87 | 0.0 | 0.0 | 0.0 | 7.01 | 2.12 | 0.00 | 2.12 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 436 | 11.700 | 29.88 | 0.0 | 0.0 | 0.0 | 6.98 | 2.12 | 0.00 | 2.12 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 437 | 11.600 | 29.88 | 0.0 | 0.0 | 0.0 | 6.96 | 2.11 | 0.00 | 2.11 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 438 | 11.500 | 29.89 | 0.0 | 0.0 | 0.0 | 6.94 | 2.11 | 0.00 | 2.11 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 439 | 11.400 | 29.89 | 0.0 | 0.0 | 0.0 | 6.92 | 2.10 | 0.00 | 2.10 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 440 | 11.300 | 29.89 | 0.0 | 0.0 | 0.0 | 6.89 | 2.10 | 0.00 | 2.10 | 0.00 | 1.11 | 0.04 | 1.71 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 441 | 11.200 | 29.90 | 0.0 | 0.0 | 0.0 | 6.87 | 2.09 | 0.00 | 2.09 | 0.00 | 1.11 | 0.04 | 1.71 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 442 | 11.100 | 29.90 | 0.0 | 0.0 | 0.0 | 6.85 | 2.09 | 0.00 | 2.09 | 0.00 | 1.12 | 0.04 | 1.71 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 443 | 11.000 | 29.91 | 0.0 | 0.0 | 0.0 | 6.83 | 2.08 | 0.00 | 2.08 | 0.00 | 1.12 | 0.04 | 1.71 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 444 | 10.900 | 29.91 | 0.0 | 0.0 | 0.0 | 6.81 | 2.08 | 0.00 | 2.08 | 0.00 | 1.12 | 0.04 | 1.71 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 445 | 10.800 | 29.92 | 0.0 | 0.0 | 0.0 | 6.79 | 2.07 | 0.00 | 2.07 | 0.00 | 1.12 | 0.04 | 1.72 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 446 | 10.700 | 29.92 | 0.0 | 0.0 | 0.0 | 6.77 | 2.07 | 0.00 | 2.07 | 0.00 | 1.12 | 0.04 | 1.72 | 2.87 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 447 | 10.600 | 29.93 | 0.0 | 0.0 | 0.0 | 6.75 | 2.07 | 0.00 | 2.07 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 448 | 10.500 | 29.93 | 0.0 | 0.0 | 0.0 | 6.73 | 2.06 | 0.00 | 2.06 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 449 | 10.400 | 29.93 | 0.0 | 0.0 | 0.0 | 6.71 | 2.06 | 0.00 | 2.06 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 450 | 10.300 | 29.94 | 0.0 | 0.0 | 0.0 | 6.69 | 2.05 | 0.00 | 2.05 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 451 | 10.200 | 29.94 | 0.0 | 0.0 | 0.0 | 6.67 | 2.05 | 0.00 | 2.05 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 452 | 10.100 | 29.95 | 0.0 | 0.0 | 0.0 | 6.65 | 2.04 | 0.00 | 2.04 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 453 | 10.000 | 29.95 | 0.0 | 0.0 | 0.0 | 6.63 | 2.04 | 0.00 | 2.04 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 454 | 9.900 | 29.96 | 0.0 | 0.0 | 0.0 | 6.61 | 2.03 | 0.00 | 2.03 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 455 | 9.800 | 29.96 | 0.0 | 0.0 | 0.0 | 6.59 | 2.03 | 0.00 | 2.03 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 456 | 9.700 | 29.97 | 0.0 | 0.0 | 0.0 | 6.57 | 2.03 | 0.00 | 2.03 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 457 | 9.600 | 29.97 | 0.0 | 0.0 | 0.0 | 6.55 | 2.02 | 0.00 | 2.02 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 458 | 9.500 | 29.97 | 0.0 | 0.0 | 0.0 | 6.54 | 2.02 | 0.00 | 2.02 | 0.00 | 1.13 | 0.04 | 1.72 | 2.89 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 459 | 9.400 | 29.98 | 0.0 | 0.0 | 0.0 | 6.52 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.72 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 460 | 9.300 | 29.98 | 0.0 | 0.0 | 0.0 | 6.50 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.73 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |
| 461 | 9.200 | 29.99 | 0.0 | 0.0 | 0.0 | 6.48 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.73 | 2.90 | 0.00 | 0.0 | 0.0 | 0. | 0.00 | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 462 | 9.100 | 29.99 | 0.0 | 0.0 | 0.0 | 6.46 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.73 | 2.90 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 463 | 9.000 | 30.00 | 0.0 | 0.0 | 0.0 | 6.44 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.74 | 2.92 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 464 | 8.900 | 30.00 | 0.0 | 0.0 | 0.0 | 6.43 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.74 | 2.92 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 465 | 8.800 | 30.01 | 0.0 | 0.0 | 0.0 | 6.41 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.74 | 2.93 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 466 | 8.700 | 30.01 | 0.0 | 0.0 | 0.0 | 6.39 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.74 | 2.93 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 467 | 8.600 | 30.01 | 0.0 | 0.0 | 0.0 | 6.37 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.74 | 2.93 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 468 | 8.500 | 30.02 | 0.0 | 0.0 | 0.0 | 6.36 | 1.99 | 0.00 | 1.99 | 0.00 | 1.13 | 0.05 | 1.75 | 2.93 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 469 | 8.400 | 30.02 | 0.0 | 0.0 | 0.0 | 6.34 | 1.99 | 0.00 | 1.99 | 0.00 | 1.13 | 0.05 | 1.75 | 2.93 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 470 | 8.300 | 30.03 | 0.0 | 0.0 | 0.0 | 6.32 | 1.98 | 0.00 | 1.98 | 0.00 | 1.13 | 0.05 | 1.75 | 2.93 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 471 | 8.200 | 30.03 | 0.0 | 0.0 | 0.0 | 6.31 | 1.98 | 0.00 | 1.98 | 0.00 | 1.13 | 0.05 | 1.75 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 472 | 8.100 | 30.04 | 0.0 | 0.0 | 0.0 | 6.29 | 1.98 | 0.00 | 1.98 | 0.00 | 1.13 | 0.05 | 1.75 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 473 | 8.000 | 30.04 | 0.0 | 0.0 | 0.0 | 6.27 | 1.97 | 0.00 | 1.97 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 474 | 7.900 | 30.05 | 0.0 | 0.0 | 0.0 | 6.26 | 1.97 | 0.00 | 1.97 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 475 | 7.800 | 30.05 | 0.0 | 0.0 | 0.0 | 6.24 | 1.96 | 0.00 | 1.96 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 476 | 7.700 | 30.06 | 0.0 | 0.0 | 0.0 | 6.23 | 1.96 | 0.00 | 1.96 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 477 | 7.600 | 30.06 | 0.0 | 0.0 | 0.0 | 6.21 | 1.96 | 0.00 | 1.96 | 0.00 | 1.14 | 0.06 | 1.75 | 2.95 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 478 | 7.500 | 30.06 | 0.0 | 0.0 | 0.0 | 6.20 | 1.95 | 0.00 | 1.95 | 0.00 | 1.14 | 0.06 | 1.75 | 2.95 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 479 | 7.400 | 30.07 | 0.0 | 0.0 | 0.0 | 6.18 | 1.95 | 0.00 | 1.95 | 0.00 | 1.14 | 0.06 | 1.75 | 2.95 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 480 | 7.300 | 30.07 | 0.0 | 0.0 | 0.0 | 6.17 | 1.94 | 0.00 | 1.94 | 0.00 | 1.14 | 0.06 | 1.76 | 2.95 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 481 | 7.200 | 30.08 | 0.0 | 0.0 | 0.0 | 6.15 | 1.94 | 0.00 | 1.94 | 0.00 | 1.14 | 0.06 | 1.76 | 2.95 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 482 | 7.100 | 30.08 | 0.0 | 0.0 | 0.0 | 6.14 | 1.94 | 0.00 | 1.94 | 0.00 | 1.14 | 0.06 | 1.76 | 2.95 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 483 | 7.000 | 30.09 | 0.0 | 0.0 | 0.0 | 6.12 | 1.93 | 0.00 | 1.93 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 484 | 6.900 | 30.09 | 0.0 | 0.0 | 0.0 | 6.11 | 1.93 | 0.00 | 1.93 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 485 | 6.800 | 30.10 | 0.0 | 0.0 | 0.0 | 6.09 | 1.93 | 0.00 | 1.93 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 486 | 6.700 | 30.10 | 0.0 | 0.0 | 0.0 | 6.08 | 1.92 | 0.00 | 1.92 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 487 | 6.600 | 30.10 | 0.0 | 0.0 | 0.0 | 6.06 | 1.92 | 0.00 | 1.92 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 488 | 6.500 | 30.11 | 0.0 | 0.0 | 0.0 | 6.05 | 1.92 | 0.00 | 1.92 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 489 | 6.400 | 30.11 | 0.0 | 0.0 | 0.0 | 6.04 | 1.91 | 0.00 | 1.91 | 0.00 | 1.15 | 0.06 | 1.76 | 2.96 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 490 | 6.300 | 30.12 | 0.0 | 0.0 | 0.0 | 6.02 | 1.91 | 0.00 | 1.91 | 0.00 | 1.15 | 0.06 | 1.76 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 491 | 6.200 | 30.12 | 0.0 | 0.0 | 0.0 | 6.01 | 1.91 | 0.00 | 1.91 | 0.00 | 1.15 | 0.06 | 1.76 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 492 | 6.100 | 30.13 | 0.0 | 0.0 | 0.0 | 6.00 | 1.90 | 0.00 | 1.90 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 493 | 6.000 | 30.13 | 0.0 | 0.0 | 0.0 | 5.98 | 1.90 | 0.00 | 1.90 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 494 | 5.900 | 30.14 | 0.0 | 0.0 | 0.0 | 5.97 | 1.89 | 0.00 | 1.89 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 495 | 5.800 | 30.14 | 0.0 | 0.0 | 0.0 | 5.96 | 1.89 | 0.00 | 1.89 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 496 | 5.700 | 30.14 | 0.0 | 0.0 | 0.0 | 5.94 | 1.89 | 0.00 | 1.89 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 497 | 5.600 | 30.15 | 0.0 | 0.0 | 0.0 | 5.93 | 1.88 | 0.00 | 1.88 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 498 | 5.500 | 30.15 | 0.0 | 0.0 | 0.0 | 5.92 | 1.88 | 0.00 | 1.88 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 499 | 5.400 | 30.16 | 0.0 | 0.0 | 0.0 | 5.91 | 1.88 | 0.00 | 1.88 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 500 | 5.300 | 30.16 | 0.0 | 0.0 | 0.0 | 5.90 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 501 | 5.200 | 30.17 | 0.0 | 0.0 | 0.0 | 5.88 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 502 | 5.100 | 30.17 | 0.0 | 0.0 | 0.0 | 5.87 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.77 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 503 | 5.000 | 30.18 | 0.0 | 0.0 | 0.0 | 5.86 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.78 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 504 | 4.900 | 30.18 | 0.0 | 0.0 | 0.0 | 5.85 | 1.86 | 0.00 | 1.86 | 0.00 | 1.15 | 0.06 | 1.78 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 505 | 4.800 | 30.19 | 0.0 | 0.0 | 0.0 | 5.84 | 1.86 | 0.00 | 1.86 | 0.00 | 1.16 | 0.06 | 1.78 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 506 | 4.700 | 30.19 | 0.0 | 0.0 | 0.0 | 5.82 | 1.86 | 0.00 | 1.86 | 0.00 | 1.16 | 0.06 | 1.78 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 507 | 4.600 | 30.19 | 0.0 | 0.0 | 0.0 | 5.81 | 1.85 | 0.00 | 1.85 | 0.00 | 1.16 | 0.06 | 1.78 | 2.99 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 508 | 4.500 | 30.20 | 0.0 | 0.0 | 0.0 | 5.80 | 1.85 | 0.00 | 1.85 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 509 | 4.400 | 30.20 | 0.0 | 0.0 | 0.0 | 5.79 | 1.85 | 0.00 | 1.85 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 510 | 4.300 | 30.21 | 0.0 | 0.0 | 0.0 | 5.78 | 1.84 | 0.00 | 1.84 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.0 | 0.0 | 0. 0.00 |
| 511 | 4.200 | 30.21 | 0.0 | 0.0 | 0.0 | 5.77 | 1.84 | 0.00 | 1.84 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.0 | 0.0 | 0. 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 512 | 4.100 | 30.22 | 0.0 | 0.0 | 0.0 | 5.76 | 1.84 | 0.00 | 1.84 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 513 | 4.000 | 30.22 | 0.0 | 0.0 | 0.0 | 5.75 | 1.83 | 0.00 | 1.83 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 514 | 3.900 | 30.23 | 0.0 | 0.0 | 0.0 | 5.74 | 1.83 | 0.00 | 1.83 | 0.00 | 1.16 | 0.06 | 1.78 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 515 | 3.800 | 30.23 | 0.0 | 0.0 | 0.0 | 5.73 | 1.83 | 0.00 | 1.83 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 516 | 3.700 | 30.23 | 0.0 | 0.0 | 0.0 | 5.72 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 517 | 3.600 | 30.24 | 0.0 | 0.0 | 0.0 | 5.71 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 518 | 3.500 | 30.24 | 0.0 | 0.0 | 0.0 | 5.69 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 519 | 3.400 | 30.25 | 0.0 | 0.0 | 0.0 | 5.68 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 520 | 3.300 | 30.25 | 0.0 | 0.0 | 0.0 | 5.67 | 1.81 | 0.00 | 1.81 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 521 | 3.200 | 30.26 | 0.0 | 0.0 | 0.0 | 5.67 | 1.81 | 0.00 | 1.81 | 0.00 | 1.16 | 0.06 | 1.79 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 522 | 3.100 | 30.26 | 0.0 | 0.0 | 0.0 | 5.66 | 1.81 | 0.00 | 1.81 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 523 | 3.000 | 30.27 | 0.0 | 0.0 | 0.0 | 5.65 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 524 | 2.900 | 30.27 | 0.0 | 0.0 | 0.0 | 5.64 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 525 | 2.800 | 30.27 | 0.0 | 0.0 | 0.0 | 5.63 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 526 | 2.700 | 30.28 | 0.0 | 0.0 | 0.0 | 5.62 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.80 | 3.02 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 527 | 2.600 | 30.28 | 0.0 | 0.0 | 0.0 | 5.61 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 528 | 2.500 | 30.29 | 0.0 | 0.0 | 0.0 | 5.60 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 529 | 2.400 | 30.29 | 0.0 | 0.0 | 0.0 | 5.59 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 530 | 2.300 | 30.30 | 0.0 | 0.0 | 0.0 | 5.58 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 531 | 2.200 | 30.30 | 0.0 | 0.0 | 0.0 | 5.57 | 1.78 | 0.00 | 1.78 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 532 | 2.100 | 30.31 | 0.0 | 0.0 | 0.0 | 5.56 | 1.78 | 0.00 | 1.78 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 533 | 2.000 | 30.31 | 0.0 | 0.0 | 0.0 | 5.55 | 1.78 | 0.00 | 1.78 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 534 | 1.900 | 30.31 | 0.0 | 0.0 | 0.0 | 5.55 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 535 | 1.800 | 30.32 | 0.0 | 0.0 | 0.0 | 5.54 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 536 | 1.700 | 30.32 | 0.0 | 0.0 | 0.0 | 5.53 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 537 | 1.600 | 30.33 | 0.0 | 0.0 | 0.0 | 5.52 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.81 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 538 | 1.500 | 30.33 | 0.0 | 0.0 | 0.0 | 5.51 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.04 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 539 | 1.400 | 30.34 | 0.0 | 0.0 | 0.0 | 5.50 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 540 | 1.300 | 30.34 | 0.0 | 0.0 | 0.0 | 5.50 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 541 | 1.200 | 30.35 | 0.0 | 0.0 | 0.0 | 5.49 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 542 | 1.100 | 30.35 | 0.0 | 0.0 | 0.0 | 5.48 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 543 | 1.000 | 30.36 | 0.0 | 0.0 | 0.0 | 5.47 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 544 | 0.900 | 30.36 | 0.0 | 0.0 | 0.0 | 5.46 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 545 | 0.800 | 30.36 | 0.0 | 0.0 | 0.0 | 5.46 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 546 | 0.700 | 30.37 | 0.0 | 0.0 | 0.0 | 5.45 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.81 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 547 | 0.600 | 30.37 | 0.0 | 0.0 | 0.0 | 5.44 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.81 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 548 | 0.500 | 30.38 | 0.0 | 0.0 | 0.0 | 5.43 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.82 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 549 | 0.400 | 30.38 | 0.0 | 0.0 | 0.0 | 5.43 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.82 | 3.06 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 550 | 0.300 | 30.39 | 0.0 | 0.0 | 0.0 | 5.42 | 1.77 | 0.00 | 1.77 | 0.00 | 1.18 | 0.07 | 1.84 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 551 | 0.200 | 30.39 | 0.0 | 0.0 | 0.0 | 5.41 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 3.09 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 552 | 0.100 | 30.40 | 0.0 | 0.0 | 0.0 | 5.40 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |
| 553 | 0.000 | 30.40 | 0.0 | 0.0 | 0.0 | 5.39 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 3.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Bayou Plaquemine
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 11.800 | 29.10 | 0.0 | 0.0 | 0.0 | 4.36 | 5.20 | 0.00 | 5.20 | 0.00 | 1.60 | 0.00 | 1.59 | 3.19 | 0.00 | 57.5 | 0.0 | 0. | 0.00 | |
| 711 | 11.700 | 29.10 | 0.0 | 0.0 | 0.0 | 4.60 | 5.47 | 0.00 | 5.47 | 0.00 | 1.60 | 0.00 | 1.58 | 3.18 | 0.00 | 57.0 | 0.0 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 712 | 11.600 | 29.11 | 0.0 | 0.0 | 0.0 | 4.83 | 5.74 | 0.00 | 5.74 | 0.00 | 1.59 | 0.01 | 1.57 | 3.17 | 0.00 | 56.5 | 0.0 | 0. | 0.00 |
| 713 | 11.500 | 29.11 | 0.0 | 0.0 | 0.0 | 5.05 | 6.01 | 0.00 | 6.01 | 0.00 | 1.59 | 0.01 | 1.56 | 3.16 | 0.00 | 56.1 | 0.0 | 0. | 0.00 |
| 714 | 11.400 | 29.11 | 0.0 | 0.0 | 0.0 | 5.26 | 6.27 | 0.00 | 6.27 | 0.00 | 1.59 | 0.01 | 1.55 | 3.15 | 0.00 | 55.6 | 0.0 | 0. | 0.00 |
| 715 | 11.300 | 29.11 | 0.0 | 0.0 | 0.0 | 5.45 | 6.53 | 0.00 | 6.53 | 0.00 | 1.59 | 0.01 | 1.54 | 3.14 | 0.00 | 55.1 | 0.0 | 0. | 0.00 |
| 716 | 11.200 | 29.11 | 0.0 | 0.0 | 0.0 | 5.64 | 6.79 | 0.00 | 6.79 | 0.00 | 1.59 | 0.01 | 1.53 | 3.13 | 0.00 | 54.6 | 0.0 | 0. | 0.00 |
| 717 | 11.100 | 29.11 | 0.0 | 0.0 | 0.0 | 5.81 | 7.05 | 0.00 | 7.05 | 0.00 | 1.58 | 0.01 | 1.52 | 3.12 | 0.00 | 54.1 | 0.0 | 0. | 0.00 |
| 718 | 11.000 | 29.12 | 0.0 | 0.0 | 0.0 | 5.98 | 7.30 | 0.00 | 7.30 | 0.00 | 1.58 | 0.02 | 1.51 | 3.11 | 0.00 | 53.6 | 0.0 | 0. | 0.00 |
| 719 | 10.900 | 29.12 | 0.0 | 0.0 | 0.0 | 6.13 | 7.56 | 0.00 | 7.56 | 0.00 | 1.58 | 0.02 | 1.50 | 3.10 | 0.00 | 53.1 | 0.0 | 0. | 0.00 |
| 720 | 10.800 | 29.12 | 0.0 | 0.0 | 0.0 | 6.27 | 7.81 | 0.00 | 7.81 | 0.00 | 1.58 | 0.02 | 1.49 | 3.09 | 0.00 | 52.6 | 0.0 | 0. | 0.00 |
| 721 | 10.700 | 29.12 | 0.0 | 0.0 | 0.0 | 6.41 | 8.06 | 0.00 | 8.06 | 0.00 | 1.58 | 0.02 | 1.48 | 3.08 | 0.00 | 52.2 | 0.0 | 0. | 0.00 |
| 722 | 10.600 | 29.12 | 0.0 | 0.0 | 0.0 | 6.54 | 8.30 | 0.00 | 8.30 | 0.00 | 1.58 | 0.02 | 1.47 | 3.07 | 0.00 | 51.7 | 0.0 | 0. | 0.00 |
| 723 | 10.500 | 29.12 | 0.0 | 0.0 | 0.0 | 6.66 | 8.55 | 0.00 | 8.55 | 0.00 | 1.57 | 0.02 | 1.46 | 3.06 | 0.00 | 51.2 | 0.0 | 0. | 0.00 |
| 724 | 10.400 | 29.13 | 0.0 | 0.0 | 0.0 | 6.77 | 8.79 | 0.00 | 8.79 | 0.00 | 1.57 | 0.02 | 1.45 | 3.05 | 0.00 | 50.7 | 0.0 | 0. | 0.00 |
| 725 | 10.300 | 29.13 | 0.0 | 0.0 | 0.0 | 6.87 | 9.03 | 0.00 | 9.03 | 0.00 | 1.57 | 0.03 | 1.44 | 3.04 | 0.00 | 50.2 | 0.0 | 0. | 0.00 |
| 726 | 10.200 | 29.13 | 0.0 | 0.0 | 0.0 | 6.96 | 9.27 | 0.00 | 9.27 | 0.00 | 1.57 | 0.03 | 1.43 | 3.03 | 0.00 | 49.7 | 0.0 | 0. | 0.00 |
| 727 | 10.100 | 29.13 | 0.0 | 0.0 | 0.0 | 7.05 | 9.51 | 0.00 | 9.51 | 0.00 | 1.57 | 0.03 | 1.42 | 3.02 | 0.00 | 49.2 | 0.0 | 0. | 0.00 |
| 728 | 10.000 | 29.13 | 0.0 | 0.0 | 0.0 | 7.13 | 9.74 | 0.00 | 9.74 | 0.00 | 1.56 | 0.03 | 1.42 | 3.01 | 0.00 | 48.7 | 0.0 | 0. | 0.00 |
| 729 | 9.900 | 29.13 | 0.0 | 0.0 | 0.0 | 7.20 | 9.98 | 0.00 | 9.98 | 0.00 | 1.56 | 0.03 | 1.41 | 3.00 | 0.00 | 48.3 | 0.0 | 0. | 0.00 |
| 730 | 9.800 | 29.14 | 0.0 | 0.0 | 0.0 | 7.27 | 10.21 | 0.00 | 10.21 | 0.00 | 1.56 | 0.03 | 1.40 | 2.99 | 0.00 | 47.8 | 0.0 | 0. | 0.00 |
| 731 | 9.700 | 29.14 | 0.0 | 0.0 | 0.0 | 7.33 | 10.44 | 0.00 | 10.44 | 0.00 | 1.56 | 0.03 | 1.39 | 2.98 | 0.00 | 47.3 | 0.0 | 0. | 0.00 |
| 732 | 9.600 | 29.14 | 0.0 | 0.0 | 0.0 | 7.39 | 10.66 | 0.00 | 10.66 | 0.00 | 1.56 | 0.03 | 1.38 | 2.97 | 0.00 | 46.8 | 0.0 | 0. | 0.00 |
| 733 | 9.500 | 29.14 | 0.0 | 0.0 | 0.0 | 7.44 | 10.89 | 0.00 | 10.89 | 0.00 | 1.56 | 0.04 | 1.37 | 2.97 | 0.00 | 46.3 | 0.0 | 0. | 0.00 |
| 734 | 9.400 | 29.14 | 0.0 | 0.0 | 0.0 | 7.48 | 11.11 | 0.00 | 11.11 | 0.00 | 1.55 | 0.04 | 1.37 | 2.96 | 0.00 | 45.8 | 0.0 | 0. | 0.00 |
| 735 | 9.300 | 29.14 | 0.0 | 0.0 | 0.0 | 7.52 | 11.33 | 0.00 | 11.33 | 0.00 | 1.55 | 0.04 | 1.36 | 2.95 | 0.00 | 45.3 | 0.0 | 0. | 0.00 |
| 736 | 9.200 | 29.15 | 0.0 | 0.0 | 0.0 | 7.56 | 11.55 | 0.00 | 11.55 | 0.00 | 1.55 | 0.04 | 1.35 | 2.94 | 0.00 | 44.8 | 0.0 | 0. | 0.00 |
| 737 | 9.100 | 29.15 | 0.0 | 0.0 | 0.0 | 7.59 | 11.77 | 0.00 | 11.77 | 0.00 | 1.55 | 0.04 | 1.34 | 2.93 | 0.00 | 44.4 | 0.0 | 0. | 0.00 |
| 738 | 9.000 | 29.15 | 0.0 | 0.0 | 0.0 | 7.61 | 11.99 | 0.00 | 11.99 | 0.00 | 1.55 | 0.04 | 1.34 | 2.92 | 0.00 | 43.9 | 0.0 | 0. | 0.00 |
| 739 | 8.900 | 29.15 | 0.0 | 0.0 | 0.0 | 7.40 | 13.59 | 0.00 | 13.59 | 0.00 | 1.55 | 0.35 | 1.36 | 3.25 | 0.00 | 43.4 | 0.0 | 0. | 0.00 |
| 740 | 8.800 | 29.15 | 0.0 | 0.0 | 0.0 | 7.38 | 13.78 | 0.00 | 13.78 | 0.00 | 1.55 | 0.34 | 1.36 | 3.24 | 0.00 | 42.9 | 0.0 | 0. | 0.00 |
| 741 | 8.700 | 29.15 | 0.0 | 0.0 | 0.0 | 7.37 | 13.96 | 0.00 | 13.96 | 0.00 | 1.54 | 0.34 | 1.35 | 3.24 | 0.00 | 42.4 | 0.0 | 0. | 0.00 |
| 742 | 8.600 | 29.16 | 0.0 | 0.0 | 0.0 | 7.36 | 14.14 | 0.00 | 14.14 | 0.00 | 1.54 | 0.33 | 1.35 | 3.23 | 0.00 | 41.9 | 0.0 | 0. | 0.00 |
| 743 | 8.500 | 29.16 | 0.0 | 0.0 | 0.0 | 7.34 | 14.33 | 0.00 | 14.33 | 0.00 | 1.54 | 0.33 | 1.35 | 3.22 | 0.00 | 41.4 | 0.0 | 0. | 0.00 |
| 744 | 8.400 | 29.16 | 0.0 | 0.0 | 0.0 | 7.32 | 14.51 | 0.00 | 14.51 | 0.00 | 1.54 | 0.32 | 1.35 | 3.22 | 0.00 | 40.9 | 0.0 | 0. | 0.00 |
| 745 | 8.300 | 29.16 | 0.0 | 0.0 | 0.0 | 7.30 | 14.68 | 0.00 | 14.68 | 0.00 | 1.54 | 0.32 | 1.35 | 3.21 | 0.00 | 40.5 | 0.0 | 0. | 0.00 |
| 746 | 8.200 | 29.16 | 0.0 | 0.0 | 0.0 | 7.27 | 14.86 | 0.00 | 14.86 | 0.00 | 1.54 | 0.32 | 1.35 | 3.20 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 747 | 8.100 | 29.16 | 0.0 | 0.0 | 0.0 | 7.25 | 15.04 | 0.00 | 15.04 | 0.00 | 1.53 | 0.31 | 1.35 | 3.19 | 0.00 | 39.5 | 0.0 | 0. | 0.00 |
| 748 | 8.000 | 29.17 | 0.0 | 0.0 | 0.0 | 7.22 | 15.21 | 0.00 | 15.21 | 0.00 | 1.53 | 0.31 | 1.35 | 3.19 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 749 | 7.900 | 29.17 | 0.0 | 0.0 | 0.0 | 7.19 | 15.38 | 0.00 | 15.38 | 0.00 | 1.53 | 0.30 | 1.35 | 3.18 | 0.00 | 38.5 | 0.0 | 0. | 0.00 |
| 750 | 7.800 | 29.17 | 0.0 | 0.0 | 0.0 | 7.16 | 15.56 | 0.00 | 15.56 | 0.00 | 1.53 | 0.30 | 1.34 | 3.17 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 751 | 7.700 | 29.17 | 0.0 | 0.0 | 0.0 | 7.13 | 15.73 | 0.00 | 15.73 | 0.00 | 1.53 | 0.30 | 1.34 | 3.17 | 0.00 | 37.5 | 0.0 | 0. | 0.00 |
| 752 | 7.600 | 29.17 | 0.0 | 0.0 | 0.0 | 7.09 | 15.90 | 0.00 | 15.90 | 0.00 | 1.53 | 0.29 | 1.34 | 3.16 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 753 | 7.500 | 29.17 | 0.0 | 0.0 | 0.0 | 7.06 | 16.06 | 0.00 | 16.06 | 0.00 | 1.52 | 0.29 | 1.34 | 3.15 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 754 | 7.400 | 29.18 | 0.0 | 0.0 | 0.0 | 7.02 | 16.23 | 0.00 | 16.23 | 0.00 | 1.52 | 0.28 | 1.34 | 3.15 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 755 | 7.300 | 29.18 | 0.0 | 0.0 | 0.0 | 6.99 | 16.40 | 0.00 | 16.40 | 0.00 | 1.52 | 0.28 | 1.34 | 3.14 | 0.00 | 35.6 | 0.0 | 0. | 0.00 |
| 756 | 7.200 | 29.18 | 0.0 | 0.0 | 0.0 | 6.95 | 16.56 | 0.00 | 16.56 | 0.00 | 1.52 | 0.28 | 1.34 | 3.14 | 0.00 | 35.1 | 0.0 | 0. | 0.00 |
| 757 | 7.100 | 29.18 | 0.0 | 0.0 | 0.0 | 6.91 | 16.72 | 0.00 | 16.72 | 0.00 | 1.52 | 0.27 | 1.34 | 3.13 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 758 | 7.000 | 29.18 | 0.0 | 0.0 | 0.0 | 6.86 | 16.88 | 0.00 | 16.88 | 0.00 | 1.52 | 0.27 | 1.34 | 3.12 | 0.00 | 34.1 | 0.0 | 0. | 0.00 |
| 759 | 6.900 | 29.18 | 0.0 | 0.0 | 0.0 | 6.82 | 17.04 | 0.00 | 17.04 | 0.00 | 1.51 | 0.27 | 1.34 | 3.12 | 0.00 | 33.6 | 0.0 | 0. | 0.00 |
| 760 | 6.800 | 29.19 | 0.0 | 0.0 | 0.0 | 6.78 | 17.20 | 0.00 | 17.20 | 0.00 | 1.51 | 0.26 | 1.34 | 3.11 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 761 | 6.700 | 29.19 | 0.0 | 0.0 | 0.0 | 6.73 | 17.36 | 0.00 | 17.36 | 0.00 | 1.51 | 0.26 | 1.33 | 3.11 | 0.00 | 32.7 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 762 | 6.600 | 29.19 | 0.0 | 0.0 | 0.0 | 6.69 | 17.52 | 0.00 | 17.52 | 0.00 | 1.51 | 0.26 | 1.33 | 3.10 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 763 | 6.500 | 29.19 | 0.0 | 0.0 | 0.0 | 6.64 | 17.67 | 0.00 | 17.67 | 0.00 | 1.51 | 0.25 | 1.33 | 3.10 | 0.00 | 31.7 | 0.0 | 0. | 0.00 |
| 764 | 6.400 | 29.19 | 0.0 | 0.0 | 0.0 | 6.59 | 17.83 | 0.00 | 17.83 | 0.00 | 1.51 | 0.25 | 1.33 | 3.09 | 0.00 | 31.2 | 0.0 | 0. | 0.00 |
| 765 | 6.300 | 29.19 | 0.0 | 0.0 | 0.0 | 6.54 | 17.98 | 0.00 | 17.98 | 0.00 | 1.50 | 0.25 | 1.33 | 3.09 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 766 | 6.200 | 29.20 | 0.0 | 0.0 | 0.0 | 6.49 | 18.13 | 0.00 | 18.13 | 0.00 | 1.50 | 0.25 | 1.33 | 3.08 | 0.00 | 30.2 | 0.0 | 0. | 0.00 |
| 767 | 6.100 | 29.20 | 0.0 | 0.0 | 0.0 | 6.44 | 18.28 | 0.00 | 18.28 | 0.00 | 1.50 | 0.24 | 1.33 | 3.07 | 0.00 | 29.7 | 0.0 | 0. | 0.00 |
| 768 | 6.000 | 29.20 | 0.0 | 0.0 | 0.0 | 6.39 | 18.43 | 0.00 | 18.43 | 0.00 | 1.50 | 0.24 | 1.33 | 3.07 | 0.00 | 29.2 | 0.0 | 0. | 0.00 |
| 769 | 5.900 | 29.20 | 0.0 | 0.0 | 0.0 | 6.34 | 18.58 | 0.00 | 18.58 | 0.00 | 1.50 | 0.24 | 1.33 | 3.06 | 0.00 | 28.8 | 0.0 | 0. | 0.00 |
| 770 | 5.800 | 29.20 | 0.0 | 0.0 | 0.0 | 6.28 | 18.73 | 0.00 | 18.73 | 0.00 | 1.50 | 0.24 | 1.33 | 3.06 | 0.00 | 28.3 | 0.0 | 0. | 0.00 |
| 771 | 5.700 | 29.20 | 0.0 | 0.0 | 0.0 | 6.23 | 18.87 | 0.00 | 18.87 | 0.00 | 1.50 | 0.23 | 1.33 | 3.05 | 0.00 | 27.8 | 0.0 | 0. | 0.00 |
| 772 | 5.600 | 29.21 | 0.0 | 0.0 | 0.0 | 6.18 | 19.02 | 0.00 | 19.02 | 0.00 | 1.49 | 0.23 | 1.33 | 3.05 | 0.00 | 27.3 | 0.0 | 0. | 0.00 |
| 773 | 5.500 | 29.21 | 0.0 | 0.0 | 0.0 | 6.12 | 19.16 | 0.00 | 19.16 | 0.00 | 1.49 | 0.23 | 1.33 | 3.05 | 0.00 | 26.8 | 0.0 | 0. | 0.00 |
| 774 | 5.400 | 29.21 | 0.0 | 0.0 | 0.0 | 6.06 | 19.31 | 0.00 | 19.31 | 0.00 | 1.49 | 0.22 | 1.33 | 3.04 | 0.00 | 26.3 | 0.0 | 0. | 0.00 |
| 775 | 5.300 | 29.21 | 0.0 | 0.0 | 0.0 | 6.01 | 19.45 | 0.00 | 19.45 | 0.00 | 1.49 | 0.22 | 1.33 | 3.04 | 0.00 | 25.8 | 0.0 | 0. | 0.00 |
| 776 | 5.200 | 29.21 | 0.0 | 0.0 | 0.0 | 5.95 | 19.59 | 0.00 | 19.59 | 0.00 | 1.49 | 0.22 | 1.32 | 3.03 | 0.00 | 25.3 | 0.0 | 0. | 0.00 |
| 777 | 5.100 | 29.21 | 0.0 | 0.0 | 0.0 | 5.89 | 19.73 | 0.00 | 19.73 | 0.00 | 1.49 | 0.22 | 1.32 | 3.03 | 0.00 | 24.9 | 0.0 | 0. | 0.00 |
| 778 | 5.000 | 29.22 | 0.0 | 0.0 | 0.0 | 5.83 | 19.87 | 0.00 | 19.87 | 0.00 | 1.48 | 0.22 | 1.32 | 3.02 | 0.00 | 24.4 | 0.0 | 0. | 0.00 |
| 779 | 4.900 | 29.22 | 0.0 | 0.0 | 0.0 | 5.77 | 19.97 | 0.00 | 19.97 | 0.00 | 1.48 | 0.22 | 1.32 | 3.02 | 0.00 | 23.9 | 0.0 | 0. | 0.00 |
| 780 | 4.800 | 29.22 | 0.0 | 0.0 | 0.0 | 5.71 | 20.11 | 0.00 | 20.11 | 0.00 | 1.48 | 0.22 | 1.32 | 3.02 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 781 | 4.700 | 29.22 | 0.0 | 0.0 | 0.0 | 5.65 | 20.24 | 0.00 | 20.24 | 0.00 | 1.48 | 0.21 | 1.32 | 3.02 | 0.00 | 22.9 | 0.0 | 0. | 0.00 |
| 782 | 4.600 | 29.22 | 0.0 | 0.0 | 0.0 | 5.59 | 20.39 | 0.00 | 20.39 | 0.00 | 1.48 | 0.21 | 1.32 | 3.01 | 0.00 | 22.4 | 0.0 | 0. | 0.00 |
| 783 | 4.500 | 29.22 | 0.0 | 0.0 | 0.0 | 5.53 | 20.52 | 0.00 | 20.52 | 0.00 | 1.48 | 0.21 | 1.32 | 3.01 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 784 | 4.400 | 29.23 | 0.0 | 0.0 | 0.0 | 5.47 | 20.65 | 0.00 | 20.65 | 0.00 | 1.47 | 0.21 | 1.32 | 3.01 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 785 | 4.300 | 29.23 | 0.0 | 0.0 | 0.0 | 5.41 | 20.79 | 0.00 | 20.79 | 0.00 | 1.47 | 0.21 | 1.32 | 3.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 786 | 4.200 | 29.23 | 0.0 | 0.0 | 0.0 | 5.35 | 20.92 | 0.00 | 20.92 | 0.00 | 1.47 | 0.20 | 1.32 | 3.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 787 | 4.100 | 29.23 | 0.0 | 0.0 | 0.0 | 5.28 | 21.05 | 0.00 | 21.05 | 0.00 | 1.47 | 0.20 | 1.32 | 3.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 788 | 4.000 | 29.23 | 0.0 | 0.0 | 0.0 | 5.22 | 21.17 | 0.00 | 21.17 | 0.00 | 1.47 | 0.20 | 1.32 | 2.99 | 0.00 | 19.5 | 0.0 | 0. | 0.00 |
| 789 | 3.900 | 29.23 | 0.0 | 0.0 | 0.0 | 5.16 | 21.30 | 0.00 | 21.30 | 0.00 | 1.47 | 0.20 | 1.32 | 2.99 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 790 | 3.800 | 29.24 | 0.0 | 0.0 | 0.0 | 5.10 | 21.43 | 0.00 | 21.43 | 0.00 | 1.46 | 0.20 | 1.33 | 2.99 | 0.00 | 18.5 | 0.0 | 0. | 0.00 |
| 791 | 3.700 | 29.24 | 0.0 | 0.0 | 0.0 | 5.03 | 21.55 | 0.00 | 21.55 | 0.00 | 1.46 | 0.20 | 1.33 | 2.98 | 0.00 | 18.0 | 0.0 | 0. | 0.00 |
| 792 | 3.600 | 29.24 | 0.0 | 0.0 | 0.0 | 4.97 | 21.68 | 0.00 | 21.68 | 0.00 | 1.46 | 0.19 | 1.33 | 2.98 | 0.00 | 17.5 | 0.0 | 0. | 0.00 |
| 793 | 3.500 | 29.24 | 0.0 | 0.0 | 0.0 | 4.90 | 21.80 | 0.00 | 21.80 | 0.00 | 1.46 | 0.19 | 1.33 | 2.98 | 0.00 | 17.1 | 0.0 | 0. | 0.00 |
| 794 | 3.400 | 29.24 | 0.0 | 0.0 | 0.0 | 4.84 | 21.92 | 0.00 | 21.92 | 0.00 | 1.46 | 0.19 | 1.33 | 2.98 | 0.00 | 16.6 | 0.0 | 0. | 0.00 |
| 795 | 3.300 | 29.24 | 0.0 | 0.0 | 0.0 | 4.78 | 22.04 | 0.00 | 22.04 | 0.00 | 1.46 | 0.19 | 1.33 | 2.97 | 0.00 | 16.1 | 0.0 | 0. | 0.00 |
| 796 | 3.200 | 29.25 | 0.0 | 0.0 | 0.0 | 4.71 | 22.16 | 0.00 | 22.16 | 0.00 | 1.46 | 0.19 | 1.33 | 2.97 | 0.00 | 15.6 | 0.0 | 0. | 0.00 |
| 797 | 3.100 | 29.25 | 0.0 | 0.0 | 0.0 | 4.65 | 22.28 | 0.00 | 22.28 | 0.00 | 1.45 | 0.19 | 1.33 | 2.97 | 0.00 | 15.1 | 0.0 | 0. | 0.00 |
| 798 | 3.000 | 29.25 | 0.0 | 0.0 | 0.0 | 4.58 | 22.40 | 0.00 | 22.40 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 14.6 | 0.0 | 0. | 0.00 |
| 799 | 2.900 | 29.25 | 0.0 | 0.0 | 0.0 | 4.51 | 22.52 | 0.00 | 22.52 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 14.1 | 0.0 | 0. | 0.00 |
| 800 | 2.800 | 29.25 | 0.0 | 0.0 | 0.0 | 4.45 | 22.63 | 0.00 | 22.63 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 13.6 | 0.0 | 0. | 0.00 |
| 801 | 2.700 | 29.25 | 0.0 | 0.0 | 0.0 | 4.38 | 22.75 | 0.00 | 22.75 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 13.2 | 0.0 | 0. | 0.00 |
| 802 | 2.600 | 29.26 | 0.0 | 0.0 | 0.0 | 4.32 | 22.86 | 0.00 | 22.86 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 12.7 | 0.0 | 0. | 0.00 |
| 803 | 2.500 | 29.26 | 0.0 | 0.0 | 0.0 | 4.25 | 22.98 | 0.00 | 22.98 | 0.00 | 1.44 | 0.18 | 1.33 | 2.95 | 0.00 | 12.2 | 0.0 | 0. | 0.00 |
| 804 | 2.400 | 29.26 | 0.0 | 0.0 | 0.0 | 4.18 | 23.09 | 0.00 | 23.09 | 0.00 | 1.44 | 0.18 | 1.33 | 2.95 | 0.00 | 11.7 | 0.0 | 0. | 0.00 |
| 805 | 2.300 | 29.26 | 0.0 | 0.0 | 0.0 | 4.12 | 23.20 | 0.00 | 23.20 | 0.00 | 1.44 | 0.17 | 1.33 | 2.95 | 0.00 | 11.2 | 0.0 | 0. | 0.00 |
| 806 | 2.200 | 29.26 | 0.0 | 0.0 | 0.0 | 4.05 | 23.31 | 0.00 | 23.31 | 0.00 | 1.44 | 0.17 | 1.34 | 2.95 | 0.00 | 10.7 | 0.0 | 0. | 0.00 |
| 807 | 2.100 | 29.26 | 0.0 | 0.0 | 0.0 | 3.98 | 23.42 | 0.00 | 23.42 | 0.00 | 1.44 | 0.17 | 1.34 | 2.95 | 0.00 | 10.2 | 0.0 | 0. | 0.00 |
| 808 | 2.000 | 29.27 | 0.0 | 0.0 | 0.0 | 3.92 | 23.53 | 0.00 | 23.53 | 0.00 | 1.44 | 0.17 | 1.34 | 2.94 | 0.00 | 9.7 | 0.0 | 0. | 0.00 |
| 809 | 1.900 | 29.27 | 0.0 | 0.0 | 0.0 | 3.85 | 23.64 | 0.00 | 23.64 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 9.3 | 0.0 | 0. | 0.00 |
| 810 | 1.800 | 29.27 | 0.0 | 0.0 | 0.0 | 3.78 | 23.75 | 0.00 | 23.75 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 8.8 | 0.0 | 0. | 0.00 |
| 811 | 1.700 | 29.27 | 0.0 | 0.0 | 0.0 | 3.72 | 23.85 | 0.00 | 23.85 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 8.3 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 812 | 1.600 | 29.27 | 0.0 | 0.0 | 0.0 | 3.65 | 23.96 | 0.00 | 23.96 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 7.8 | 0.0 | 0. | 0.00 |
| 813 | 1.500 | 29.27 | 0.0 | 0.0 | 0.0 | 3.58 | 24.07 | 0.00 | 24.07 | 0.00 | 1.43 | 0.16 | 1.34 | 2.94 | 0.00 | 7.3 | 0.0 | 0. | 0.00 |
| 814 | 1.400 | 29.28 | 0.0 | 0.0 | 0.0 | 3.51 | 24.17 | 0.00 | 24.17 | 0.00 | 1.43 | 0.16 | 1.34 | 2.94 | 0.00 | 6.8 | 0.0 | 0. | 0.00 |
| 815 | 1.300 | 29.28 | 0.0 | 0.0 | 0.0 | 3.45 | 24.27 | 0.00 | 24.27 | 0.00 | 1.43 | 0.16 | 1.35 | 2.93 | 0.00 | 6.3 | 0.0 | 0. | 0.00 |
| 816 | 1.200 | 29.28 | 0.0 | 0.0 | 0.0 | 3.38 | 24.38 | 0.00 | 24.38 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 817 | 1.100 | 29.28 | 0.0 | 0.0 | 0.0 | 3.31 | 24.48 | 0.00 | 24.48 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 818 | 1.000 | 29.28 | 0.0 | 0.0 | 0.0 | 3.24 | 24.58 | 0.00 | 24.58 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 819 | 0.900 | 29.28 | 0.0 | 0.0 | 0.0 | 3.18 | 24.68 | 0.00 | 24.68 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 820 | 0.800 | 29.29 | 0.0 | 0.0 | 0.0 | 3.11 | 24.78 | 0.00 | 24.78 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 821 | 0.700 | 29.29 | 0.0 | 0.0 | 0.0 | 3.04 | 24.88 | 0.00 | 24.88 | 0.00 | 1.42 | 0.16 | 1.36 | 2.93 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 822 | 0.600 | 29.29 | 0.0 | 0.0 | 0.0 | 2.97 | 24.98 | 0.00 | 24.98 | 0.00 | 1.41 | 0.16 | 1.36 | 2.93 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 823 | 0.500 | 29.29 | 0.0 | 0.0 | 0.0 | 2.91 | 25.07 | 0.00 | 25.07 | 0.00 | 1.41 | 0.16 | 1.36 | 2.93 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 824 | 0.400 | 29.29 | 0.0 | 0.0 | 0.0 | 2.84 | 25.17 | 0.00 | 25.17 | 0.00 | 1.41 | 0.15 | 1.36 | 2.93 | 0.00 | 1.9 | 0.0 | 0. | 0.00 |
| 825 | 0.300 | 29.29 | 0.0 | 0.0 | 0.0 | 2.77 | 25.27 | 0.00 | 25.27 | 0.00 | 1.41 | 0.15 | 1.36 | 2.93 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 826 | 0.200 | 29.30 | 0.0 | 0.0 | 0.0 | 2.70 | 25.36 | 0.00 | 25.36 | 0.00 | 1.41 | 0.15 | 1.37 | 2.93 | 0.00 | 1.0 | 0.0 | 0. | 0.00 |
| 827 | 0.100 | 29.30 | 0.0 | 0.0 | 0.0 | 2.64 | 25.46 | 0.00 | 25.46 | 0.00 | 1.41 | 0.15 | 1.37 | 2.93 | 0.00 | 0.5 | 0.0 | 0. | 0.00 |
| 828 | 0.000 | 29.30 | 0.0 | 0.0 | 0.0 | 2.57 | 25.55 | 0.00 | 25.55 | 0.00 | 1.41 | 0.15 | 1.37 | 2.93 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Upper Grand River #1
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 12.300 | 31.49 | 0.0 | 0.0 | 0.0 | 3.16 | 15.77 | 0.00 | 15.77 | 0.00 | 1.40 | 0.03 | 1.60 | 3.03 | 0.00 | 32.1 | 0.0 | 0. | 0.00 | |
| 880 | 12.200 | 31.48 | 0.0 | 0.0 | 0.0 | 3.03 | 15.55 | 0.00 | 15.55 | 0.00 | 1.40 | 0.03 | 1.59 | 3.02 | 0.00 | 32.1 | 0.0 | 0. | 0.00 | |
| 881 | 12.100 | 31.48 | 0.0 | 0.0 | 0.0 | 2.91 | 15.33 | 0.00 | 15.33 | 0.00 | 1.40 | 0.03 | 1.59 | 3.02 | 0.00 | 32.2 | 0.0 | 0. | 0.00 | |
| 882 | 12.000 | 31.47 | 0.0 | 0.0 | 0.0 | 2.79 | 15.11 | 0.00 | 15.11 | 0.00 | 1.40 | 0.03 | 1.59 | 3.01 | 0.00 | 32.3 | 0.0 | 0. | 0.00 | |
| 883 | 11.900 | 31.46 | 0.0 | 0.0 | 0.0 | 2.68 | 14.89 | 0.00 | 14.89 | 0.00 | 1.40 | 0.03 | 1.58 | 3.01 | 0.00 | 32.4 | 0.0 | 0. | 0.00 | |
| 884 | 11.800 | 31.45 | 0.0 | 0.0 | 0.0 | 2.58 | 14.68 | 0.00 | 14.68 | 0.00 | 1.39 | 0.03 | 1.58 | 3.01 | 0.00 | 32.4 | 0.0 | 0. | 0.00 | |
| 885 | 11.700 | 31.44 | 0.0 | 0.0 | 0.0 | 2.48 | 14.47 | 0.00 | 14.47 | 0.00 | 1.39 | 0.03 | 1.58 | 3.00 | 0.00 | 32.5 | 0.0 | 0. | 0.00 | |
| 886 | 11.600 | 31.43 | 0.0 | 0.0 | 0.0 | 2.39 | 14.27 | 0.00 | 14.27 | 0.00 | 1.39 | 0.04 | 1.57 | 3.00 | 0.00 | 32.6 | 0.0 | 0. | 0.00 | |
| 887 | 11.500 | 31.42 | 0.0 | 0.0 | 0.0 | 2.30 | 14.06 | 0.00 | 14.06 | 0.00 | 1.39 | 0.04 | 1.57 | 2.99 | 0.00 | 32.6 | 0.0 | 0. | 0.00 | |
| 888 | 11.400 | 31.42 | 0.0 | 0.0 | 0.0 | 2.21 | 13.86 | 0.00 | 13.86 | 0.00 | 1.39 | 0.04 | 1.56 | 2.99 | 0.00 | 32.7 | 0.0 | 0. | 0.00 | |
| 889 | 11.300 | 31.41 | 0.0 | 0.0 | 0.0 | 2.14 | 13.67 | 0.00 | 13.67 | 0.00 | 1.39 | 0.04 | 1.56 | 2.99 | 0.00 | 32.8 | 0.0 | 0. | 0.00 | |
| 890 | 11.200 | 31.40 | 0.0 | 0.0 | 0.0 | 2.06 | 13.47 | 0.00 | 13.47 | 0.00 | 1.39 | 0.04 | 1.56 | 2.98 | 0.00 | 32.9 | 0.0 | 0. | 0.00 | |
| 891 | 11.100 | 31.39 | 0.0 | 0.0 | 0.0 | 1.99 | 13.28 | 0.00 | 13.28 | 0.00 | 1.39 | 0.04 | 1.55 | 2.98 | 0.00 | 32.9 | 0.0 | 0. | 0.00 | |
| 892 | 11.000 | 31.38 | 0.0 | 0.0 | 0.0 | 1.94 | 13.10 | 0.00 | 13.10 | 0.00 | 1.39 | 0.04 | 1.55 | 2.98 | 0.00 | 33.0 | 0.0 | 0. | 0.00 | |
| 893 | 10.900 | 31.38 | 0.0 | 0.0 | 0.0 | 1.89 | 12.92 | 0.00 | 12.92 | 0.00 | 1.39 | 0.04 | 1.55 | 2.97 | 0.00 | 33.1 | 0.0 | 0. | 0.00 | |
| 894 | 10.800 | 31.37 | 0.0 | 0.0 | 0.0 | 1.86 | 12.75 | 0.00 | 12.75 | 0.00 | 1.38 | 0.04 | 1.54 | 2.97 | 0.00 | 33.1 | 0.0 | 0. | 0.00 | |
| 895 | 10.700 | 31.36 | 0.0 | 0.0 | 0.0 | 1.83 | 12.59 | 0.00 | 12.59 | 0.00 | 1.38 | 0.04 | 1.54 | 2.96 | 0.00 | 33.2 | 0.0 | 0. | 0.00 | |
| 896 | 10.600 | 31.35 | 0.0 | 0.0 | 0.0 | 1.80 | 12.43 | 0.00 | 12.43 | 0.00 | 1.38 | 0.04 | 1.54 | 2.96 | 0.00 | 33.3 | 0.0 | 0. | 0.00 | |
| 897 | 10.500 | 31.34 | 0.0 | 0.0 | 0.0 | 1.78 | 12.27 | 0.00 | 12.27 | 0.00 | 1.38 | 0.04 | 1.53 | 2.96 | 0.00 | 33.4 | 0.0 | 0. | 0.00 | |
| 898 | 10.400 | 31.33 | 0.0 | 0.0 | 0.0 | 1.77 | 12.12 | 0.00 | 12.12 | 0.00 | 1.38 | 0.04 | 1.53 | 2.95 | 0.00 | 33.4 | 0.0 | 0. | 0.00 | |
| 899 | 10.300 | 31.33 | 0.0 | 0.0 | 0.0 | 1.76 | 11.97 | 0.00 | 11.97 | 0.00 | 1.38 | 0.04 | 1.52 | 2.95 | 0.00 | 33.5 | 0.0 | 0. | 0.00 | |
| 900 | 10.200 | 31.32 | 0.0 | 0.0 | 0.0 | 1.75 | 11.82 | 0.00 | 11.82 | 0.00 | 1.38 | 0.04 | 1.52 | 2.94 | 0.00 | 33.6 | 0.0 | 0. | 0.00 | |
| 901 | 10.100 | 31.31 | 0.0 | 0.0 | 0.0 | 1.75 | 11.67 | 0.00 | 11.67 | 0.00 | 1.38 | 0.05 | 1.52 | 2.94 | 0.00 | 33.6 | 0.0 | 0. | 0.00 | |
| 902 | 10.000 | 31.30 | 0.0 | 0.0 | 0.0 | 1.74 | 11.53 | 0.00 | 11.53 | 0.00 | 1.38 | 0.05 | 1.51 | 2.94 | 0.00 | 33.7 | 0.0 | 0. | 0.00 | |
| 903 | 9.900 | 31.29 | 0.0 | 0.0 | 0.0 | 1.74 | 11.39 | 0.00 | 11.39 | 0.00 | 1.38 | 0.05 | 1.51 | 2.93 | 0.00 | 33.8 | 0.0 | 0. | 0.00 | |
| 904 | 9.800 | 31.28 | 0.0 | 0.0 | 0.0 | 1.74 | 11.24 | 0.00 | 11.24 | 0.00 | 1.37 | 0.05 | 1.51 | 2.93 | 0.00 | 33.9 | 0.0 | 0. | 0.00 | |
| 905 | 9.700 | 31.27 | 0.0 | 0.0 | 0.0 | 1.75 | 11.11 | 0.00 | 11.11 | 0.00 | 1.37 | 0.05 | 1.50 | 2.92 | 0.00 | 33.9 | 0.0 | 0. | 0.00 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 906 | 9.600 | 31.27 | 0.0 | 0.0 | 0.0 | 1.75 | 10.97 | 0.00 | 10.97 | 0.00 | 1.37 | 0.05 | 1.50 | 2.92 | 0.00 | 34.0 | 0.0 | 0. | 0.00 |
| 907 | 9.500 | 31.26 | 0.0 | 0.0 | 0.0 | 2.47 | 10.65 | 0.00 | 10.65 | 0.00 | 1.38 | 0.06 | 1.20 | 2.64 | 0.00 | 34.1 | 0.0 | 0. | 0.00 |
| 908 | 9.400 | 31.25 | 0.0 | 0.0 | 0.0 | 2.45 | 10.53 | 0.00 | 10.53 | 0.00 | 1.38 | 0.06 | 1.20 | 2.63 | 0.00 | 34.1 | 0.0 | 0. | 0.00 |
| 909 | 9.300 | 31.24 | 0.0 | 0.0 | 0.0 | 2.44 | 10.41 | 0.00 | 10.41 | 0.00 | 1.38 | 0.06 | 1.19 | 2.63 | 0.00 | 34.2 | 0.0 | 0. | 0.00 |
| 910 | 9.200 | 31.23 | 0.0 | 0.0 | 0.0 | 2.42 | 10.30 | 0.00 | 10.30 | 0.00 | 1.37 | 0.06 | 1.19 | 2.63 | 0.00 | 34.3 | 0.0 | 0. | 0.00 |
| 911 | 9.100 | 31.23 | 0.0 | 0.0 | 0.0 | 2.41 | 10.18 | 0.00 | 10.18 | 0.00 | 1.37 | 0.06 | 1.19 | 2.62 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 912 | 9.000 | 31.22 | 0.0 | 0.0 | 0.0 | 2.40 | 10.06 | 0.00 | 10.06 | 0.00 | 1.37 | 0.06 | 1.19 | 2.62 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 913 | 8.900 | 31.21 | 0.0 | 0.0 | 0.0 | 2.39 | 9.95 | 0.00 | 9.95 | 0.00 | 1.37 | 0.06 | 1.18 | 2.62 | 0.00 | 34.5 | 0.0 | 0. | 0.00 |
| 914 | 8.800 | 31.20 | 0.0 | 0.0 | 0.0 | 2.38 | 9.84 | 0.00 | 9.84 | 0.00 | 1.37 | 0.06 | 1.18 | 2.61 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 915 | 8.700 | 31.19 | 0.0 | 0.0 | 0.0 | 2.37 | 9.73 | 0.00 | 9.73 | 0.00 | 1.37 | 0.06 | 1.18 | 2.61 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 916 | 8.600 | 31.18 | 0.0 | 0.0 | 0.0 | 2.37 | 9.62 | 0.00 | 9.62 | 0.00 | 1.37 | 0.06 | 1.17 | 2.61 | 0.00 | 34.7 | 0.0 | 0. | 0.00 |
| 917 | 8.500 | 31.17 | 0.0 | 0.0 | 0.0 | 2.36 | 9.51 | 0.00 | 9.51 | 0.00 | 1.37 | 0.06 | 1.17 | 2.60 | 0.00 | 34.8 | 0.0 | 0. | 0.00 |
| 918 | 8.400 | 31.17 | 0.0 | 0.0 | 0.0 | 2.36 | 9.40 | 0.00 | 9.40 | 0.00 | 1.37 | 0.06 | 1.17 | 2.60 | 0.00 | 34.9 | 0.0 | 0. | 0.00 |
| 919 | 8.300 | 31.16 | 0.0 | 0.0 | 0.0 | 2.36 | 9.29 | 0.00 | 9.29 | 0.00 | 1.37 | 0.06 | 1.17 | 2.60 | 0.00 | 34.9 | 0.0 | 0. | 0.00 |
| 920 | 8.200 | 31.15 | 0.0 | 0.0 | 0.0 | 2.36 | 9.19 | 0.00 | 9.19 | 0.00 | 1.37 | 0.06 | 1.16 | 2.59 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 921 | 8.100 | 31.14 | 0.0 | 0.0 | 0.0 | 2.37 | 9.08 | 0.00 | 9.08 | 0.00 | 1.37 | 0.06 | 1.16 | 2.59 | 0.00 | 35.1 | 0.0 | 0. | 0.00 |
| 922 | 8.000 | 31.13 | 0.0 | 0.0 | 0.0 | 2.37 | 8.98 | 0.00 | 8.98 | 0.00 | 1.37 | 0.06 | 1.16 | 2.59 | 0.00 | 35.1 | 0.0 | 0. | 0.00 |
| 923 | 7.900 | 31.12 | 0.0 | 0.0 | 0.0 | 2.37 | 8.88 | 0.00 | 8.88 | 0.00 | 1.36 | 0.06 | 1.15 | 2.58 | 0.00 | 35.2 | 0.0 | 0. | 0.00 |
| 924 | 7.800 | 31.12 | 0.0 | 0.0 | 0.0 | 2.38 | 8.78 | 0.00 | 8.78 | 0.00 | 1.36 | 0.06 | 1.15 | 2.58 | 0.00 | 35.3 | 0.0 | 0. | 0.00 |
| 925 | 7.700 | 31.11 | 0.0 | 0.0 | 0.0 | 2.39 | 8.68 | 0.00 | 8.68 | 0.00 | 1.36 | 0.06 | 1.15 | 2.58 | 0.00 | 35.4 | 0.0 | 0. | 0.00 |
| 926 | 7.600 | 31.10 | 0.0 | 0.0 | 0.0 | 2.39 | 8.58 | 0.00 | 8.58 | 0.00 | 1.36 | 0.06 | 1.15 | 2.57 | 0.00 | 35.4 | 0.0 | 0. | 0.00 |
| 927 | 7.500 | 31.09 | 0.0 | 0.0 | 0.0 | 2.40 | 8.49 | 0.00 | 8.49 | 0.00 | 1.36 | 0.06 | 1.14 | 2.57 | 0.00 | 35.5 | 0.0 | 0. | 0.00 |
| 928 | 7.400 | 31.08 | 0.0 | 0.0 | 0.0 | 2.41 | 8.39 | 0.00 | 8.39 | 0.00 | 1.36 | 0.06 | 1.14 | 2.57 | 0.00 | 35.6 | 0.0 | 0. | 0.00 |
| 929 | 7.300 | 31.07 | 0.0 | 0.0 | 0.0 | 2.43 | 8.30 | 0.00 | 8.30 | 0.00 | 1.36 | 0.07 | 1.14 | 2.56 | 0.00 | 35.6 | 0.0 | 0. | 0.00 |
| 930 | 7.200 | 31.07 | 0.0 | 0.0 | 0.0 | 2.44 | 8.20 | 0.00 | 8.20 | 0.00 | 1.36 | 0.07 | 1.13 | 2.56 | 0.00 | 35.7 | 0.0 | 0. | 0.00 |
| 931 | 7.100 | 31.06 | 0.0 | 0.0 | 0.0 | 2.45 | 8.11 | 0.00 | 8.11 | 0.00 | 1.36 | 0.07 | 1.13 | 2.56 | 0.00 | 35.8 | 0.0 | 0. | 0.00 |
| 932 | 7.000 | 31.05 | 0.0 | 0.0 | 0.0 | 2.47 | 8.02 | 0.00 | 8.02 | 0.00 | 1.36 | 0.07 | 1.13 | 2.55 | 0.00 | 35.9 | 0.0 | 0. | 0.00 |
| 933 | 6.900 | 31.04 | 0.0 | 0.0 | 0.0 | 2.48 | 7.93 | 0.00 | 7.93 | 0.00 | 1.36 | 0.07 | 1.13 | 2.55 | 0.00 | 35.9 | 0.0 | 0. | 0.00 |
| 934 | 6.800 | 31.03 | 0.0 | 0.0 | 0.0 | 2.50 | 7.84 | 0.00 | 7.84 | 0.00 | 1.36 | 0.07 | 1.12 | 2.55 | 0.00 | 36.0 | 0.0 | 0. | 0.00 |
| 935 | 6.700 | 31.02 | 0.0 | 0.0 | 0.0 | 2.51 | 7.75 | 0.00 | 7.75 | 0.00 | 1.36 | 0.07 | 1.12 | 2.54 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 936 | 6.600 | 31.02 | 0.0 | 0.0 | 0.0 | 2.53 | 7.67 | 0.00 | 7.67 | 0.00 | 1.35 | 0.07 | 1.12 | 2.54 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 937 | 6.500 | 31.01 | 0.0 | 0.0 | 0.0 | 2.55 | 7.58 | 0.00 | 7.58 | 0.00 | 1.35 | 0.07 | 1.11 | 2.54 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 938 | 6.400 | 31.00 | 0.0 | 0.0 | 0.0 | 2.57 | 7.49 | 0.00 | 7.49 | 0.00 | 1.35 | 0.07 | 1.11 | 2.53 | 0.00 | 36.3 | 0.0 | 0. | 0.00 |
| 939 | 6.300 | 30.99 | 0.0 | 0.0 | 0.0 | 2.59 | 7.41 | 0.00 | 7.41 | 0.00 | 1.35 | 0.07 | 1.11 | 2.53 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 940 | 6.200 | 30.98 | 0.0 | 0.0 | 0.0 | 2.61 | 7.33 | 0.00 | 7.33 | 0.00 | 1.35 | 0.07 | 1.11 | 2.53 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 941 | 6.100 | 30.98 | 0.0 | 0.0 | 0.0 | 2.63 | 7.25 | 0.00 | 7.25 | 0.00 | 1.35 | 0.07 | 1.10 | 2.52 | 0.00 | 36.5 | 0.0 | 0. | 0.00 |
| 942 | 6.000 | 30.97 | 0.0 | 0.0 | 0.0 | 2.65 | 7.16 | 0.00 | 7.16 | 0.00 | 1.35 | 0.07 | 1.10 | 2.52 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 943 | 5.900 | 30.96 | 0.0 | 0.0 | 0.0 | 2.67 | 7.08 | 0.00 | 7.08 | 0.00 | 1.35 | 0.07 | 1.10 | 2.51 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 944 | 5.800 | 30.95 | 0.0 | 0.0 | 0.0 | 2.70 | 7.00 | 0.00 | 7.00 | 0.00 | 1.35 | 0.07 | 1.09 | 2.51 | 0.00 | 36.7 | 0.0 | 0. | 0.00 |
| 945 | 5.700 | 30.94 | 0.0 | 0.0 | 0.0 | 2.72 | 6.93 | 0.00 | 6.93 | 0.00 | 1.35 | 0.07 | 1.09 | 2.51 | 0.00 | 36.8 | 0.0 | 0. | 0.00 |
| 946 | 5.600 | 30.93 | 0.0 | 0.0 | 0.0 | 2.74 | 6.85 | 0.00 | 6.85 | 0.00 | 1.35 | 0.07 | 1.09 | 2.50 | 0.00 | 36.9 | 0.0 | 0. | 0.00 |
| 947 | 5.500 | 30.92 | 0.0 | 0.0 | 0.0 | 2.77 | 6.77 | 0.00 | 6.77 | 0.00 | 1.35 | 0.07 | 1.09 | 2.50 | 0.00 | 36.9 | 0.0 | 0. | 0.00 |
| 948 | 5.400 | 30.92 | 0.0 | 0.0 | 0.0 | 2.79 | 6.70 | 0.00 | 6.70 | 0.00 | 1.35 | 0.07 | 1.08 | 2.50 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 949 | 5.300 | 30.91 | 0.0 | 0.0 | 0.0 | 2.82 | 6.62 | 0.00 | 6.62 | 0.00 | 1.34 | 0.07 | 1.08 | 2.49 | 0.00 | 37.1 | 0.0 | 0. | 0.00 |
| 950 | 5.200 | 30.90 | 0.0 | 0.0 | 0.0 | 2.84 | 6.55 | 0.00 | 6.55 | 0.00 | 1.34 | 0.07 | 1.08 | 2.49 | 0.00 | 37.1 | 0.0 | 0. | 0.00 |
| 951 | 5.100 | 30.89 | 0.0 | 0.0 | 0.0 | 2.87 | 6.47 | 0.00 | 6.47 | 0.00 | 1.34 | 0.07 | 1.07 | 2.49 | 0.00 | 37.2 | 0.0 | 0. | 0.00 |
| 952 | 5.000 | 30.88 | 0.0 | 0.0 | 0.0 | 2.90 | 6.40 | 0.00 | 6.40 | 0.00 | 1.34 | 0.07 | 1.07 | 2.48 | 0.00 | 37.3 | 0.0 | 0. | 0.00 |
| 953 | 4.900 | 30.88 | 0.0 | 0.0 | 0.0 | 2.92 | 6.33 | 0.00 | 6.33 | 0.00 | 1.34 | 0.07 | 1.07 | 2.48 | 0.00 | 37.4 | 0.0 | 0. | 0.00 |
| 954 | 4.800 | 30.87 | 0.0 | 0.0 | 0.0 | 2.95 | 6.26 | 0.00 | 6.26 | 0.00 | 1.34 | 0.07 | 1.07 | 2.48 | 0.00 | 37.4 | 0.0 | 0. | 0.00 |
| 955 | 4.700 | 30.86 | 0.0 | 0.0 | 0.0 | 2.98 | 6.19 | 0.00 | 6.19 | 0.00 | 1.34 | 0.07 | 1.06 | 2.47 | 0.00 | 37.5 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 956 | 4.600 | 30.85 | 0.0 | 0.0 | 0.0 | 3.01 | 6.12 | 0.00 | 6.12 | 0.00 | 1.34 | 0.07 | 1.06 | 2.47 | 0.00 | 37.6 | 0.0 | 0. | 0.00 |
| 957 | 4.500 | 30.84 | 0.0 | 0.0 | 0.0 | 3.04 | 6.05 | 0.00 | 6.05 | 0.00 | 1.34 | 0.07 | 1.06 | 2.47 | 0.00 | 37.6 | 0.0 | 0. | 0.00 |
| 958 | 4.400 | 30.83 | 0.0 | 0.0 | 0.0 | 3.07 | 5.99 | 0.00 | 5.99 | 0.00 | 1.34 | 0.07 | 1.05 | 2.46 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 959 | 4.300 | 30.82 | 0.0 | 0.0 | 0.0 | 3.09 | 5.92 | 0.00 | 5.92 | 0.00 | 1.34 | 0.07 | 1.05 | 2.46 | 0.00 | 37.8 | 0.0 | 0. | 0.00 |
| 960 | 4.200 | 30.82 | 0.0 | 0.0 | 0.0 | 3.12 | 5.85 | 0.00 | 5.85 | 0.00 | 1.34 | 0.07 | 1.05 | 2.46 | 0.00 | 37.9 | 0.0 | 0. | 0.00 |
| 961 | 4.100 | 30.81 | 0.0 | 0.0 | 0.0 | 3.15 | 5.79 | 0.00 | 5.79 | 0.00 | 1.34 | 0.07 | 1.04 | 2.45 | 0.00 | 37.9 | 0.0 | 0. | 0.00 |
| 962 | 4.000 | 30.80 | 0.0 | 0.0 | 0.0 | 3.18 | 5.72 | 0.00 | 5.72 | 0.00 | 1.33 | 0.07 | 1.04 | 2.45 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 1007 | 3.900 | 30.78 | 0.0 | 0.0 | 0.0 | 3.40 | 5.85 | 0.00 | 5.85 | 0.00 | 1.36 | 0.07 | 0.72 | 2.14 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 1008 | 3.800 | 30.76 | 0.0 | 0.0 | 0.0 | 3.42 | 5.81 | 0.00 | 5.81 | 0.00 | 1.36 | 0.07 | 0.72 | 2.14 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 1009 | 3.700 | 30.75 | 0.0 | 0.0 | 0.0 | 3.44 | 5.77 | 0.00 | 5.77 | 0.00 | 1.36 | 0.07 | 0.71 | 2.14 | 0.00 | 35.2 | 0.0 | 0. | 0.00 |
| 1010 | 3.600 | 30.73 | 0.0 | 0.0 | 0.0 | 3.45 | 5.74 | 0.00 | 5.74 | 0.00 | 1.36 | 0.07 | 0.71 | 2.14 | 0.00 | 34.2 | 0.0 | 0. | 0.00 |
| 1011 | 3.500 | 30.71 | 0.0 | 0.0 | 0.0 | 3.47 | 5.70 | 0.00 | 5.70 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 33.2 | 0.0 | 0. | 0.00 |
| 1012 | 3.400 | 30.69 | 0.0 | 0.0 | 0.0 | 3.48 | 5.66 | 0.00 | 5.66 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 32.3 | 0.0 | 0. | 0.00 |
| 1013 | 3.300 | 30.68 | 0.0 | 0.0 | 0.0 | 3.50 | 5.62 | 0.00 | 5.62 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 1014 | 3.200 | 30.66 | 0.0 | 0.0 | 0.0 | 3.51 | 5.59 | 0.00 | 5.59 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 30.4 | 0.0 | 0. | 0.00 |
| 1015 | 3.100 | 30.64 | 0.0 | 0.0 | 0.0 | 3.52 | 5.55 | 0.00 | 5.55 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 29.5 | 0.0 | 0. | 0.00 |
| 1016 | 3.000 | 30.62 | 0.0 | 0.0 | 0.0 | 3.53 | 5.51 | 0.00 | 5.51 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 28.5 | 0.0 | 0. | 0.00 |
| 1017 | 2.900 | 30.61 | 0.0 | 0.0 | 0.0 | 3.54 | 5.48 | 0.00 | 5.48 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 27.5 | 0.0 | 0. | 0.00 |
| 1018 | 2.800 | 30.59 | 0.0 | 0.0 | 0.0 | 3.55 | 5.44 | 0.00 | 5.44 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 26.6 | 0.0 | 0. | 0.00 |
| 1019 | 2.700 | 30.57 | 0.0 | 0.0 | 0.0 | 3.56 | 5.41 | 0.00 | 5.41 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 25.6 | 0.0 | 0. | 0.00 |
| 1020 | 2.600 | 30.56 | 0.0 | 0.0 | 0.0 | 3.57 | 5.37 | 0.00 | 5.37 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 24.7 | 0.0 | 0. | 0.00 |
| 1021 | 2.500 | 30.54 | 0.0 | 0.0 | 0.0 | 3.58 | 5.33 | 0.00 | 5.33 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 23.8 | 0.0 | 0. | 0.00 |
| 1022 | 2.400 | 30.52 | 0.0 | 0.0 | 0.0 | 3.58 | 5.30 | 0.00 | 5.30 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 22.8 | 0.0 | 0. | 0.00 |
| 1023 | 2.300 | 30.50 | 0.0 | 0.0 | 0.0 | 3.59 | 5.26 | 0.00 | 5.26 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 1024 | 2.200 | 30.49 | 0.0 | 0.0 | 0.0 | 3.59 | 5.23 | 0.00 | 5.23 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 20.9 | 0.0 | 0. | 0.00 |
| 1025 | 2.100 | 30.47 | 0.0 | 0.0 | 0.0 | 3.60 | 5.20 | 0.00 | 5.20 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 1026 | 2.000 | 30.45 | 0.0 | 0.0 | 0.0 | 3.60 | 5.16 | 0.00 | 5.16 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 1027 | 1.900 | 30.43 | 0.0 | 0.0 | 0.0 | 3.60 | 5.13 | 0.00 | 5.13 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 18.1 | 0.0 | 0. | 0.00 |
| 1028 | 1.800 | 30.41 | 0.0 | 0.0 | 0.0 | 3.60 | 5.10 | 0.00 | 5.10 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 17.1 | 0.0 | 0. | 0.00 |
| 1029 | 1.700 | 30.40 | 0.0 | 0.0 | 0.0 | 3.60 | 5.06 | 0.00 | 5.06 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 16.1 | 0.0 | 0. | 0.00 |
| 1030 | 1.600 | 30.38 | 0.0 | 0.0 | 0.0 | 3.60 | 5.03 | 0.00 | 5.03 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 15.2 | 0.0 | 0. | 0.00 |
| 1031 | 1.500 | 30.36 | 0.0 | 0.0 | 0.0 | 3.60 | 5.00 | 0.00 | 5.00 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 14.2 | 0.0 | 0. | 0.00 |
| 1032 | 1.400 | 30.34 | 0.0 | 0.0 | 0.0 | 3.60 | 4.96 | 0.00 | 4.96 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 13.3 | 0.0 | 0. | 0.00 |
| 1033 | 1.300 | 30.33 | 0.0 | 0.0 | 0.0 | 3.60 | 4.93 | 0.00 | 4.93 | 0.00 | 1.34 | 0.07 | 0.69 | 2.11 | 0.00 | 12.4 | 0.0 | 0. | 0.00 |
| 1034 | 1.200 | 30.31 | 0.0 | 0.0 | 0.0 | 3.59 | 4.90 | 0.00 | 4.90 | 0.00 | 1.34 | 0.07 | 0.69 | 2.11 | 0.00 | 11.4 | 0.0 | 0. | 0.00 |
| 1035 | 1.100 | 30.29 | 0.0 | 0.0 | 0.0 | 3.59 | 4.87 | 0.00 | 4.87 | 0.00 | 1.34 | 0.07 | 0.69 | 2.11 | 0.00 | 10.5 | 0.0 | 0. | 0.00 |
| 1036 | 1.000 | 30.27 | 0.0 | 0.0 | 0.0 | 3.59 | 4.84 | 0.00 | 4.84 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 9.5 | 0.0 | 0. | 0.00 |
| 1037 | 0.900 | 30.26 | 0.0 | 0.0 | 0.0 | 3.58 | 4.80 | 0.00 | 4.80 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 8.6 | 0.0 | 0. | 0.00 |
| 1038 | 0.800 | 30.24 | 0.0 | 0.0 | 0.0 | 3.57 | 4.77 | 0.00 | 4.77 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 7.6 | 0.0 | 0. | 0.00 |
| 1039 | 0.700 | 30.22 | 0.0 | 0.0 | 0.0 | 3.57 | 4.74 | 0.00 | 4.74 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 6.7 | 0.0 | 0. | 0.00 |
| 1040 | 0.600 | 30.20 | 0.0 | 0.0 | 0.0 | 3.56 | 4.71 | 0.00 | 4.71 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 1041 | 0.500 | 30.19 | 0.0 | 0.0 | 0.0 | 3.55 | 4.68 | 0.00 | 4.68 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 1042 | 0.400 | 30.17 | 0.0 | 0.0 | 0.0 | 3.54 | 4.65 | 0.00 | 4.65 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 1043 | 0.300 | 30.15 | 0.0 | 0.0 | 0.0 | 3.53 | 4.62 | 0.00 | 4.62 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 1044 | 0.200 | 30.14 | 0.0 | 0.0 | 0.0 | 3.52 | 4.59 | 0.00 | 4.59 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 1.9 | 0.0 | 0. | 0.00 |
| 1045 | 0.100 | 30.12 | 0.0 | 0.0 | 0.0 | 3.51 | 4.56 | 0.00 | 4.56 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 1.0 | 0.0 | 0. | 0.00 |
| 1046 | 0.000 | 30.10 | 0.0 | 0.0 | 0.0 | 3.50 | 4.53 | 0.00 | 4.53 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 0.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lower Flat River
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | * | CM-I mg/L | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | 4.300 | 30.51 | 0.0 | 0.0 | 0.0 | 5.32 | 11.83 | 0.00 | 11.83 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 0.9 | 0.0 | 0. | 0.00 | | |
| 964 | 4.200 | 30.51 | 0.0 | 0.0 | 0.0 | 5.15 | 11.66 | 0.00 | 11.66 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 1.7 | 0.0 | 0. | 0.00 | | |
| 965 | 4.100 | 30.52 | 0.0 | 0.0 | 0.0 | 4.99 | 11.49 | 0.00 | 11.49 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 2.6 | 0.0 | 0. | 0.00 | | |
| 966 | 4.000 | 30.53 | 0.0 | 0.0 | 0.0 | 4.84 | 11.32 | 0.00 | 11.32 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 3.5 | 0.0 | 0. | 0.00 | | |
| 967 | 3.900 | 30.53 | 0.0 | 0.0 | 0.0 | 4.70 | 11.16 | 0.00 | 11.16 | 0.00 | 1.40 | 0.03 | 0.00 | 1.44 | 0.00 | 4.3 | 0.0 | 0. | 0.00 | | |
| 968 | 3.800 | 30.54 | 0.0 | 0.0 | 0.0 | 4.57 | 11.00 | 0.00 | 11.00 | 0.00 | 1.40 | 0.03 | 0.00 | 1.44 | 0.00 | 5.2 | 0.0 | 0. | 0.00 | | |
| 969 | 3.700 | 30.55 | 0.0 | 0.0 | 0.0 | 4.45 | 10.84 | 0.00 | 10.84 | 0.00 | 1.40 | 0.03 | 0.00 | 1.44 | 0.00 | 6.0 | 0.0 | 0. | 0.00 | | |
| 970 | 3.600 | 30.55 | 0.0 | 0.0 | 0.0 | 4.33 | 10.68 | 0.00 | 10.68 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 6.9 | 0.0 | 0. | 0.00 | | |
| 971 | 3.500 | 30.56 | 0.0 | 0.0 | 0.0 | 4.23 | 10.53 | 0.00 | 10.53 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 7.8 | 0.0 | 0. | 0.00 | | |
| 972 | 3.400 | 30.57 | 0.0 | 0.0 | 0.0 | 4.13 | 10.38 | 0.00 | 10.38 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 8.6 | 0.0 | 0. | 0.00 | | |
| 973 | 3.300 | 30.58 | 0.0 | 0.0 | 0.0 | 4.05 | 10.23 | 0.00 | 10.23 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 9.5 | 0.0 | 0. | 0.00 | | |
| 974 | 3.200 | 30.58 | 0.0 | 0.0 | 0.0 | 3.97 | 10.08 | 0.00 | 10.08 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 10.4 | 0.0 | 0. | 0.00 | | |
| 975 | 3.100 | 30.59 | 0.0 | 0.0 | 0.0 | 3.89 | 9.93 | 0.00 | 9.93 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 11.2 | 0.0 | 0. | 0.00 | | |
| 976 | 3.000 | 30.60 | 0.0 | 0.0 | 0.0 | 3.82 | 9.79 | 0.00 | 9.79 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 12.1 | 0.0 | 0. | 0.00 | | |
| 977 | 2.900 | 30.60 | 0.0 | 0.0 | 0.0 | 3.76 | 9.65 | 0.00 | 9.65 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 13.0 | 0.0 | 0. | 0.00 | | |
| 978 | 2.800 | 30.61 | 0.0 | 0.0 | 0.0 | 3.71 | 9.51 | 0.00 | 9.51 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 13.8 | 0.0 | 0. | 0.00 | | |
| 979 | 2.700 | 30.62 | 0.0 | 0.0 | 0.0 | 3.66 | 9.37 | 0.00 | 9.37 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 14.7 | 0.0 | 0. | 0.00 | | |
| 980 | 2.600 | 30.62 | 0.0 | 0.0 | 0.0 | 3.62 | 9.23 | 0.00 | 9.23 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 15.5 | 0.0 | 0. | 0.00 | | |
| 981 | 2.500 | 30.63 | 0.0 | 0.0 | 0.0 | 3.58 | 9.10 | 0.00 | 9.10 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 16.4 | 0.0 | 0. | 0.00 | | |
| 982 | 2.400 | 30.64 | 0.0 | 0.0 | 0.0 | 3.55 | 8.97 | 0.00 | 8.97 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 17.3 | 0.0 | 0. | 0.00 | | |
| 983 | 2.300 | 30.64 | 0.0 | 0.0 | 0.0 | 3.52 | 8.84 | 0.00 | 8.84 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 18.1 | 0.0 | 0. | 0.00 | | |
| 984 | 2.200 | 30.65 | 0.0 | 0.0 | 0.0 | 3.50 | 8.71 | 0.00 | 8.71 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 19.0 | 0.0 | 0. | 0.00 | | |
| 985 | 2.100 | 30.66 | 0.0 | 0.0 | 0.0 | 3.48 | 8.58 | 0.00 | 8.58 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 19.9 | 0.0 | 0. | 0.00 | | |
| 986 | 2.000 | 30.66 | 0.0 | 0.0 | 0.0 | 3.47 | 8.46 | 0.00 | 8.46 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 20.7 | 0.0 | 0. | 0.00 | | |
| 987 | 1.900 | 30.67 | 0.0 | 0.0 | 0.0 | 3.46 | 8.34 | 0.00 | 8.34 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 21.6 | 0.0 | 0. | 0.00 | | |
| 988 | 1.800 | 30.68 | 0.0 | 0.0 | 0.0 | 3.45 | 8.22 | 0.00 | 8.22 | 0.00 | 1.41 | 0.05 | 0.00 | 1.45 | 0.00 | 22.5 | 0.0 | 0. | 0.00 | | |
| 989 | 1.700 | 30.68 | 0.0 | 0.0 | 0.0 | 3.45 | 8.10 | 0.00 | 8.10 | 0.00 | 1.41 | 0.05 | 0.00 | 1.45 | 0.00 | 23.3 | 0.0 | 0. | 0.00 | | |
| 990 | 1.600 | 30.69 | 0.0 | 0.0 | 0.0 | 3.45 | 7.98 | 0.00 | 7.98 | 0.00 | 1.41 | 0.05 | 0.00 | 1.45 | 0.00 | 24.2 | 0.0 | 0. | 0.00 | | |
| 991 | 1.500 | 30.70 | 0.0 | 0.0 | 0.0 | 3.46 | 7.86 | 0.00 | 7.86 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 25.0 | 0.0 | 0. | 0.00 | | |
| 992 | 1.400 | 30.70 | 0.0 | 0.0 | 0.0 | 3.47 | 7.75 | 0.00 | 7.75 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 25.9 | 0.0 | 0. | 0.00 | | |
| 993 | 1.300 | 30.71 | 0.0 | 0.0 | 0.0 | 3.48 | 7.64 | 0.00 | 7.64 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 26.8 | 0.0 | 0. | 0.00 | | |
| 994 | 1.200 | 30.72 | 0.0 | 0.0 | 0.0 | 3.49 | 7.52 | 0.00 | 7.52 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 27.6 | 0.0 | 0. | 0.00 | | |
| 995 | 1.100 | 30.73 | 0.0 | 0.0 | 0.0 | 3.51 | 7.41 | 0.00 | 7.41 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 28.5 | 0.0 | 0. | 0.00 | | |
| 996 | 1.000 | 30.73 | 0.0 | 0.0 | 0.0 | 3.53 | 7.31 | 0.00 | 7.31 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 29.4 | 0.0 | 0. | 0.00 | | |
| 997 | 0.900 | 30.74 | 0.0 | 0.0 | 0.0 | 3.56 | 7.20 | 0.00 | 7.20 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 30.2 | 0.0 | 0. | 0.00 | | |
| 998 | 0.800 | 30.75 | 0.0 | 0.0 | 0.0 | 3.58 | 7.10 | 0.00 | 7.10 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 31.1 | 0.0 | 0. | 0.00 | | |
| 999 | 0.700 | 30.75 | 0.0 | 0.0 | 0.0 | 3.61 | 6.99 | 0.00 | 6.99 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 32.0 | 0.0 | 0. | 0.00 | | |
| 1000 | 0.600 | 30.76 | 0.0 | 0.0 | 0.0 | 3.64 | 6.89 | 0.00 | 6.89 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 32.8 | 0.0 | 0. | 0.00 | | |
| 1001 | 0.500 | 30.77 | 0.0 | 0.0 | 0.0 | 3.68 | 6.79 | 0.00 | 6.79 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 33.7 | 0.0 | 0. | 0.00 | | |
| 1002 | 0.400 | 30.77 | 0.0 | 0.0 | 0.0 | 3.71 | 6.69 | 0.00 | 6.69 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 34.5 | 0.0 | 0. | 0.00 | | |
| 1003 | 0.300 | 30.78 | 0.0 | 0.0 | 0.0 | 3.75 | 6.59 | 0.00 | 6.59 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 35.4 | 0.0 | 0. | 0.00 | | |
| 1004 | 0.200 | 30.79 | 0.0 | 0.0 | 0.0 | 3.79 | 6.50 | 0.00 | 6.50 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 36.3 | 0.0 | 0. | 0.00 | | |
| 1005 | 0.100 | 30.79 | 0.0 | 0.0 | 0.0 | 3.83 | 6.40 | 0.00 | 6.40 | 0.00 | 1.41 | 0.05 | 0.00 | 1.47 | 0.00 | 37.1 | 0.0 | 0. | 0.00 | | |
| 1006 | 0.000 | 30.80 | 0.0 | 0.0 | 0.0 | 3.87 | 6.31 | 0.00 | 6.31 | 0.00 | 1.41 | 0.05 | 0.00 | 1.47 | 0.00 | 38.0 | 0.0 | 0. | 0.00 | | |

SPECIAL REPORT: Bayou Cholpe #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT * | BOD#2 DECAY * | ABOD#2 DECAY 1/da | ABOD#2 SOD 1/da | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.500 | 8.30 | 10.95 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 55.400 | 8.28 | 10.98 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 55.300 | 8.26 | 11.01 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 55.200 | 8.23 | 11.04 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 0.97 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 55.100 | 8.21 | 11.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 0.98 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 55.000 | 8.19 | 11.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.99 | 0.99 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 54.900 | 8.17 | 11.13 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 54.800 | 8.15 | 11.16 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 54.700 | 8.13 | 11.19 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 54.600 | 8.10 | 11.22 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 54.500 | 8.08 | 11.25 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 54.400 | 8.06 | 11.28 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 54.300 | 8.04 | 11.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 54.200 | 8.02 | 11.34 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 54.100 | 8.00 | 11.37 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 1.07 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 54.000 | 7.98 | 11.40 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 | 1.08 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 53.900 | 7.95 | 11.43 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | 1.09 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 53.800 | 7.93 | 11.46 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 1.10 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 53.700 | 7.91 | 11.49 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 1.11 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 53.600 | 7.89 | 11.52 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 1.12 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 53.500 | 7.87 | 11.55 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 | 1.14 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 53.400 | 7.85 | 11.58 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 1.15 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 53.300 | 7.83 | 11.61 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 | 1.16 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 53.200 | 7.81 | 11.64 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.17 | 1.17 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 53.100 | 7.79 | 11.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 1.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 53.000 | 7.77 | 11.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 1.19 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 52.900 | 7.75 | 11.73 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 52.800 | 7.73 | 11.76 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 1.21 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 52.700 | 7.71 | 11.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 1.22 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 52.600 | 7.69 | 11.82 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 52.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 52.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 52.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 52.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 52.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 52.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 51.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 51.800 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 51.700 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 51.600 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 51.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 51.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 51.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 51.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 51.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 51.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 50.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 50.800 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 50.700 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 50.600 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 50.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 50.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 50.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 50.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 50.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 50.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 49.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 49.800 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 49.700 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 49.600 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 49.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 49.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 49.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 49.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 49.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 49.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 48.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 48.800 | 7.69 | 0.84 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 48.700 | 7.69 | 0.85 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 48.600 | 7.69 | 0.86 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 48.500 | 7.69 | 0.87 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 48.400 | 7.69 | 0.87 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 48.300 | 7.69 | 0.88 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 48.200 | 7.69 | 0.89 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 48.100 | 7.69 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 48.000 | 7.69 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 47.900 | 7.69 | 0.91 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 47.800 | 7.69 | 0.92 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 47.700 | 7.69 | 0.93 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 47.600 | 7.69 | 0.93 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 47.500 | 7.69 | 0.94 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 47.400 | 7.69 | 0.95 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 47.300 | 7.69 | 0.95 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 47.200 | 7.69 | 0.96 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 47.100 | 7.69 | 0.97 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 47.000 | 7.69 | 0.97 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 46.900 | 7.69 | 0.98 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 46.800 | 7.69 | 0.99 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 46.700 | 7.69 | 0.99 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 46.600 | 7.69 | 1.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 46.500 | 7.69 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 46.400 | 7.69 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 46.300 | 7.69 | 1.02 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 46.200 | 7.69 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 46.100 | 7.69 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 46.000 | 7.69 | 1.04 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 45.900 | 7.69 | 1.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 45.800 | 7.69 | 1.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 45.700 | 7.69 | 1.06 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 45.600 | 7.69 | 1.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 45.500 | 7.69 | 1.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 45.400 | 7.69 | 1.08 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 45.300 | 7.69 | 1.08 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 45.200 | 7.69 | 1.09 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 45.100 | 7.69 | 1.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 45.000 | 7.69 | 1.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 44.900 | 7.69 | 1.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 44.800 | 7.69 | 1.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 44.700 | 7.69 | 1.12 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 44.600 | 7.69 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 44.500 | 7.69 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 44.400 | 7.69 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 44.300 | 7.69 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 44.200 | 7.69 | 1.15 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 44.100 | 7.69 | 1.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 44.000 | 7.69 | 1.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 43.900 | 7.69 | 1.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 43.800 | 7.69 | 1.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 43.700 | 7.69 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 43.600 | 7.69 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 43.500 | 7.69 | 1.19 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 43.400 | 7.69 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 43.300 | 7.69 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 43.200 | 7.69 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 43.100 | 7.69 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 43.000 | 7.68 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.31 | 5.31 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 42.900 | 7.68 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.32 | 5.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 42.800 | 7.67 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.34 | 5.34 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 42.700 | 7.66 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.36 | 5.36 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 42.600 | 7.66 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.38 | 5.38 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 42.500 | 7.65 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.40 | 5.40 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 42.400 | 7.64 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.41 | 5.41 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 42.300 | 7.63 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.43 | 5.43 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 42.200 | 7.63 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.45 | 5.45 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 42.100 | 7.62 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.47 | 5.47 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 42.000 | 7.61 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.49 | 5.49 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 41.900 | 7.61 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.51 | 5.51 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 41.800 | 7.60 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.52 | 5.52 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 41.700 | 7.59 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.54 | 5.54 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 41.600 | 7.58 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 41.500 | 7.58 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.58 | 5.58 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 41.400 | 7.57 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 5.60 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 41.300 | 7.56 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.62 | 5.62 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 41.200 | 7.56 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.64 | 5.64 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 41.100 | 7.55 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.66 | 5.66 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 41.000 | 7.54 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 40.900 | 7.54 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.69 | 5.69 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 40.800 | 7.53 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.71 | 5.71 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 40.700 | 7.52 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.73 | 5.73 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 40.600 | 7.51 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.75 | 5.75 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 40.500 | 7.51 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.77 | 5.77 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 40.400 | 7.50 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.79 | 5.79 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 40.300 | 7.49 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.81 | 5.81 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 40.200 | 7.49 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 5.83 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 40.100 | 7.48 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.85 | 5.85 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 40.000 | 7.47 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.87 | 5.87 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 39.900 | 7.47 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.89 | 5.89 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 39.800 | 7.46 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.91 | 5.91 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 39.700 | 7.45 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.93 | 5.93 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 39.600 | 7.45 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.95 | 5.95 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 39.500 | 7.44 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.97 | 5.97 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 39.400 | 7.43 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.99 | 5.99 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 39.300 | 7.43 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.01 | 6.01 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 39.200 | 7.42 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.03 | 6.03 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 39.100 | 7.41 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.05 | 6.05 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 39.000 | 7.41 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.07 | 6.07 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 38.900 | 7.40 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.09 | 6.09 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 38.800 | 7.39 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.11 | 6.11 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 38.700 | 7.39 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 5.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 38.600 | 7.39 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 38.500 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 5.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 38.400 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 38.300 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 38.200 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 38.100 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 38.000 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 37.900 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 37.800 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 37.700 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 37.600 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 37.500 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 37.400 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 37.300 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 37.200 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 37.100 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 37.000 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 36.900 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 36.800 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 36.700 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 36.600 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 36.500 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 36.400 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 36.300 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 36.200 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 36.100 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 36.000 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 375 | 35.900 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 35.800 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 35.700 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 35.600 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 35.500 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 35.400 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 35.300 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 35.200 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 35.100 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 35.000 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 34.900 | 7.45 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 34.800 | 7.45 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 34.700 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 34.600 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 34.500 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 34.400 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 34.300 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 34.200 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 34.100 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 34.000 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 33.900 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 33.800 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 33.700 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 33.600 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 33.500 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 33.400 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 33.300 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 33.200 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 33.100 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 33.000 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 32.900 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 32.800 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 407 | 32.700 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 32.600 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 32.500 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 32.400 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 32.300 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 32.200 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 32.100 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 32.000 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 31.900 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 31.800 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 31.700 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 31.600 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 31.500 | 7.51 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | 31.400 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 31.300 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 31.200 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 557 | 31.100 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 558 | 31.000 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 559 | 30.900 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 30.800 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 561 | 30.700 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 562 | 30.600 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 563 | 30.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 564 | 30.400 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 565 | 30.300 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | 30.200 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 567 | 30.100 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 568 | 30.000 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 569 | 29.900 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 570 | 29.800 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 571 | 29.700 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 572 | 29.600 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 573 | 29.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 574 | 29.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 29.300 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 576 | 29.200 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 577 | 29.100 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 578 | 29.000 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 579 | 28.900 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 580 | 28.800 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 581 | 28.700 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 582 | 28.600 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 583 | 28.500 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | 28.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 585 | 28.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 586 | 28.200 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 587 | 28.100 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 588 | 28.000 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 589 | 27.900 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 590 | 27.800 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 591 | 27.700 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 592 | 27.600 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 27.500 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 594 | 27.400 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 595 | 27.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 27.200 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 597 | 27.100 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 598 | 27.000 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 599 | 26.900 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 26.800 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 601 | 26.700 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 602 | 26.600 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | 26.500 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 604 | 26.400 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 605 | 26.300 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 606 | 26.200 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 607 | 26.100 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 608 | 26.000 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 609 | 25.900 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 610 | 25.800 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 611 | 25.700 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 612 | 25.600 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 613 | 25.500 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 614 | 25.400 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 615 | 25.300 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 616 | 25.200 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 617 | 25.100 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 618 | 25.000 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 619 | 24.900 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 620 | 24.800 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 621 | 24.700 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 622 | 24.600 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | 24.500 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 624 | 24.400 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 625 | 24.300 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 626 | 24.200 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 627 | 24.100 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 628 | 24.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 629 | 23.900 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 630 | 23.800 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 631 | 23.700 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 632 | 23.600 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 633 | 23.500 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 634 | 23.400 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 635 | 23.300 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 636 | 23.200 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 637 | 23.100 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 638 | 23.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 639 | 22.900 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 640 | 22.800 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 641 | 22.700 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 642 | 22.600 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 643 | 22.500 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 644 | 22.400 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 645 | 22.300 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 646 | 22.200 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 647 | 22.100 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 648 | 22.000 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 649 | 21.900 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 650 | 21.800 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 651 | 21.700 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 652 | 21.600 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 653 | 21.500 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 654 | 21.400 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 655 | 21.300 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | 21.200 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 657 | 21.100 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 658 | 21.000 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 659 | 20.900 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 660 | 20.800 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 661 | 20.700 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 662 | 20.600 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 663 | 20.500 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 664 | 20.400 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 665 | 20.300 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | 20.200 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 667 | 20.100 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 668 | 20.000 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669 | 19.900 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 670 | 19.800 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 671 | 19.700 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 672 | 19.600 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 673 | 19.500 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 674 | 19.400 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 675 | 19.300 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 676 | 19.200 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 677 | 19.100 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 678 | 19.000 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 679 | 18.900 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 680 | 18.800 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 681 | 18.700 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 682 | 18.600 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 683 | 18.500 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 684 | 18.400 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 685 | 18.300 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 686 | 18.200 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 687 | 18.100 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 688 | 18.000 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 689 | 17.900 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 690 | 17.800 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 691 | 17.700 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 692 | 17.600 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 693 | 17.500 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 694 | 17.400 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 695 | 17.300 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 696 | 17.200 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 697 | 17.100 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 698 | 17.000 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 699 | 16.900 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700 | 16.800 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 701 | 16.700 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 702 | 16.600 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 703 | 16.500 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 704 | 16.400 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 705 | 16.300 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 706 | 16.200 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 707 | 16.100 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 708 | 16.000 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 709 | 15.900 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 829 | 15.800 | 7.65 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 830 | 15.700 | 7.65 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 831 | 15.600 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 832 | 15.500 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 833 | 15.400 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 834 | 15.300 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 835 | 15.200 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 836 | 15.100 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 837 | 15.000 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 838 | 14.900 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 839 | 14.800 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 840 | 14.700 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 841 | 14.600 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 842 | 14.500 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 843 | 14.400 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 844 | 14.300 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 845 | 14.200 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 846 | 14.100 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 847 | 14.000 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 848 | 13.900 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 849 | 13.800 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 850 | 13.700 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 851 | 13.600 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 852 | 13.500 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 853 | 13.400 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 854 | 13.300 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 855 | 13.200 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 856 | 13.100 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 857 | 13.000 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 858 | 12.900 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 859 | 12.800 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 860 | 12.700 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 861 | 12.600 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 862 | 12.500 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 863 | 12.400 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 864 | 12.300 | 7.57 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 865 | 12.200 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 866 | 12.100 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 867 | 12.000 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 868 | 11.900 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 869 | 11.800 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 870 | 11.700 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 871 | 11.600 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 872 | 11.500 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 873 | 11.400 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 874 | 11.300 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 875 | 11.200 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 876 | 11.100 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 877 | 11.000 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 878 | 10.900 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1047 | 10.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1048 | 10.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1049 | 10.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1050 | 10.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1051 | 10.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1052 | 10.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1053 | 10.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1054 | 10.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1055 | 10.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1056 | 9.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1057 | 9.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1058 | 9.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1059 | 9.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1060 | 9.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1061 | 9.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1062 | 9.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1063 | 9.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1064 | 9.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1065 | 9.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1066 | 8.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1067 | 8.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1068 | 8.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1069 | 8.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1070 | 8.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1071 | 8.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1072 | 8.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1073 | 8.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1074 | 8.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1075 | 8.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1076 | 7.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1077 | 7.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1078 | 7.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1079 | 7.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1080 | 7.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1081 | 7.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1082 | 7.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1083 | 7.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1084 | 7.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1085 | 7.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1086 | 6.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1087 | 6.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1088 | 6.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1089 | 6.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1090 | 6.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1091 | 6.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1092 | 6.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1093 | 6.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1094 | 6.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1095 | 6.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1096 | 5.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1097 | 5.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1098 | 5.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1099 | 5.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1100 | 5.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1101 | 5.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1102 | 5.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1103 | 5.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1104 | 5.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1105 | 5.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1106 | 4.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1107 | 4.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1108 | 4.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1109 | 4.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1110 | 4.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1111 | 4.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1112 | 4.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1113 | 4.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1114 | 4.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1115 | 4.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1116 | 3.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1117 | 3.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1118 | 3.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1119 | 3.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1120 | 3.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1121 | 3.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1122 | 3.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1123 | 3.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1124 | 3.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1125 | 3.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1126 | 2.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1127 | 2.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1128 | 2.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1129 | 2.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1130 | 2.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1131 | 2.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1132 | 2.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1133 | 2.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1134 | 2.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1135 | 2.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1136 | 1.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1137 | 1.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1138 | 1.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1139 | 1.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1140 | 1.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1141 | 1.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1142 | 1.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1143 | 1.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1144 | 1.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1145 | 1.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1146 | 0.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1147 | 0.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1148 | 0.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1149 | 0.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1150 | 0.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1151 | 0.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1152 | 0.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1153 | 0.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1154 | 0.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1155 | 0.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Bayou Poydras #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY 1/da | NH3 SRCE ** | NH3 RATE ** | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 10.200 | 7.97 | 6.40 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 0.86 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 10.100 | 7.97 | 6.40 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.37 | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 10.000 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 9.900 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 9.800 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 9.700 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 9.600 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 9.500 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 9.400 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 9.300 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 9.200 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 9.100 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 9.000 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 8.900 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 8.800 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 8.700 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 8.600 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 8.500 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 8.400 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 8.300 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 8.200 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 8.100 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 8.000 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 7.900 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 7.800 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 7.700 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 7.600 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 7.500 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 7.400 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 7.300 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 7.200 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 7.100 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 7.000 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 159 | 6.900 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 6.800 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 6.700 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 6.600 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 6.500 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 6.400 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 6.300 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 6.200 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 6.100 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 6.000 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 5.900 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 5.800 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 5.700 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 5.600 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 5.500 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 5.400 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 5.300 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 5.200 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 5.100 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 5.000 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 4.900 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 4.800 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 4.700 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 4.600 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 4.500 | 7.96 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 4.400 | 7.96 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.40 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 4.300 | 7.95 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.41 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 4.200 | 7.94 | 1.34 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.41 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 4.100 | 7.94 | 1.34 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 1.42 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 4.000 | 7.93 | 1.35 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 1.42 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 3.900 | 7.92 | 1.38 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.43 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 3.800 | 7.92 | 1.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.43 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 3.700 | 7.91 | 1.44 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.43 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 3.600 | 7.91 | 1.47 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 1.44 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 3.500 | 7.90 | 1.50 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 1.44 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 3.400 | 7.89 | 1.53 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.45 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 3.300 | 7.89 | 1.56 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.45 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 3.200 | 7.88 | 1.58 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.45 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 3.100 | 7.88 | 1.61 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 1.46 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 3.000 | 7.87 | 1.64 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 1.46 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 2.900 | 7.86 | 1.66 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 2.800 | 7.86 | 1.69 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 2.700 | 7.85 | 1.71 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 2.600 | 7.85 | 1.74 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 1.48 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 2.500 | 7.84 | 1.76 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 1.48 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 2.400 | 7.83 | 1.79 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 2.300 | 7.83 | 1.81 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 2.200 | 7.82 | 1.84 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 2.100 | 7.82 | 1.86 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 2.000 | 7.81 | 1.88 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 209 | 1.900 | 7.80 | 1.91 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 1.800 | 7.80 | 1.93 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 1.700 | 7.79 | 1.95 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 1.600 | 7.79 | 1.98 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 1.52 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 1.500 | 7.78 | 2.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 1.52 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 1.400 | 7.77 | 2.02 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 1.53 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 1.300 | 7.77 | 2.04 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 1.53 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 1.200 | 7.76 | 2.06 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 1.100 | 7.76 | 2.09 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 1.000 | 7.75 | 2.11 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 0.900 | 7.74 | 2.13 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 0.800 | 7.74 | 2.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 0.700 | 7.73 | 2.17 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 0.600 | 7.73 | 2.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 0.500 | 7.72 | 2.21 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 0.400 | 7.71 | 2.23 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 0.300 | 7.71 | 2.26 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 0.200 | 7.70 | 2.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 1.58 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 0.100 | 7.70 | 2.30 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 1.58 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 0.000 | 7.69 | 2.32 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 1.59 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Chamberlin Canal #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT * | BOD#2 DECAY * | BOD#2 DECAY 1/da | ABOD#2 SOD 1/da | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 7.400 | 8.06 | 7.90 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 0.01 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 7.300 | 8.05 | 7.91 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 0.01 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 7.200 | 8.03 | 7.94 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 0.01 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 7.100 | 8.02 | 8.23 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 0.01 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 7.000 | 8.01 | 8.51 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 0.01 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 6.900 | 8.00 | 8.79 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 0.01 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 6.800 | 7.99 | 9.05 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.01 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 6.700 | 7.97 | 9.32 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 6.600 | 7.96 | 9.57 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 6.500 | 7.95 | 9.82 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 6.400 | 7.94 | 10.07 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 6.300 | 7.93 | 10.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 6.200 | 7.92 | 10.55 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 6.100 | 7.90 | 10.78 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 6.000 | 7.89 | 11.01 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 5.900 | 7.88 | 11.24 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 5.800 | 7.87 | 11.46 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 5.700 | 7.86 | 11.57 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 5.600 | 7.85 | 11.59 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 5.500 | 7.84 | 11.60 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 5.400 | 7.82 | 11.62 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 2.15 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 5.300 | 7.81 | 11.64 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.17 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 5.200 | 7.80 | 11.65 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 2.18 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 295 | 5.100 | 7.79 | 11.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 2.19 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 5.000 | 7.78 | 11.69 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 2.20 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 4.900 | 7.77 | 11.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 2.21 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 4.800 | 7.76 | 11.72 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 2.22 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 4.700 | 7.75 | 11.74 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 2.23 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 4.600 | 7.74 | 11.75 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 2.24 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 4.500 | 7.72 | 11.77 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 4.400 | 7.71 | 11.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 | 2.27 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 4.300 | 7.70 | 11.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.28 | 2.28 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 4.200 | 7.69 | 11.82 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.29 | 2.29 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 4.100 | 7.68 | 2.76 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 2.30 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 4.000 | 7.68 | 2.76 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 2.31 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 3.900 | 7.67 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 3.800 | 7.66 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 3.700 | 7.65 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.33 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 3.600 | 7.65 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 3.500 | 7.64 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 3.400 | 7.63 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 3.300 | 7.63 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 3.200 | 7.62 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 3.100 | 7.61 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 3.000 | 7.60 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 2.900 | 7.60 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 2.800 | 7.59 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 2.700 | 7.58 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 2.600 | 7.57 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 2.500 | 7.57 | 2.80 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 2.400 | 7.56 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 2.300 | 7.55 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 2.200 | 7.55 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 2.100 | 7.54 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 2.000 | 7.53 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 1.900 | 7.52 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 1.800 | 7.52 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 1.700 | 7.51 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 1.600 | 7.50 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 2.51 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 1.500 | 7.50 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 2.51 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 1.400 | 7.49 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 1.300 | 7.48 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.01 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 1.200 | 7.48 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.01 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 3.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 1.100 | 7.47 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.01 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 3.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 1.000 | 7.46 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 0.900 | 7.45 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 2.57 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 0.800 | 7.45 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 2.58 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 0.700 | 7.44 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.59 | 2.59 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 0.600 | 7.43 | 2.85 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.59 | 2.59 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 0.500 | 7.43 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.60 | 2.60 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 0.400 | 7.42 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 2.61 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 0.300 | 7.41 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.62 | 2.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 0.200 | 7.41 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 2.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.25 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 345 | 0.100 | 7.40 | 2.87 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 2.64 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 0.000 | 7.39 | 2.87 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.65 | 2.65 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Intracoastal Waterwa
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 13.300 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 13.200 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 13.100 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 13.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 12.900 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 12.800 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 12.700 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 12.600 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 12.500 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 12.400 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 12.300 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 12.200 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 12.100 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 12.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 11.900 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 11.800 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 11.700 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 11.600 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 11.500 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 11.400 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 11.300 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 11.200 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 11.100 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 11.000 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 10.900 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 10.800 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 10.700 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 10.600 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 10.500 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 10.400 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 10.300 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 10.200 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 10.100 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 10.000 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 9.900 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 9.800 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 9.700 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 9.600 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 9.500 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 9.400 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 9.300 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 461 | 9.200 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 9.100 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 9.000 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 8.900 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 8.800 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 8.700 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 8.600 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 8.500 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 8.400 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 8.300 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 8.200 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 8.100 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 8.000 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 7.900 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 7.800 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 7.700 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 7.600 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 7.500 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 7.400 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 7.300 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 7.200 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 7.100 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 7.000 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 6.900 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 6.800 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 6.700 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 6.600 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 6.500 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 6.400 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 6.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 6.200 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 6.100 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 6.000 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 5.900 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 5.800 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 5.700 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 5.600 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 5.500 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 5.400 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 5.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 5.200 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 5.100 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 5.000 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 4.900 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 4.800 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 4.700 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 4.600 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 4.500 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 4.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 4.300 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 511 | 4.200 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 4.100 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 4.000 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 3.900 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 3.800 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 3.700 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 3.600 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 3.500 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 3.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 3.300 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 3.200 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 3.100 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 3.000 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 2.900 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 2.800 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 2.700 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 2.600 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 2.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 2.400 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 2.300 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 2.200 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 2.100 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 2.000 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 1.900 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 1.800 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 1.700 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 1.600 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 538 | 1.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 1.400 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 1.300 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 1.200 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 1.100 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 1.000 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 0.900 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 0.800 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 0.700 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 0.600 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 0.500 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 0.400 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 0.300 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 0.200 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 0.100 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.000 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Bayou Plaquemine
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#1 DECAY | BOD#1 SETT | BOD#2 DECAY | ABOD#2 SOD | FULL SOD | CORR DECAY | ORG-N SETT | ORG-N DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 11.800 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 711 | 11.700 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 712 | 11.600 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 713 | 11.500 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 714 | 11.400 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 715 | 11.300 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 716 | 11.200 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 717 | 11.100 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 718 | 11.000 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 719 | 10.900 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 720 | 10.800 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 721 | 10.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 722 | 10.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 723 | 10.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 724 | 10.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 725 | 10.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 726 | 10.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 727 | 10.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 728 | 10.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 729 | 9.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 730 | 9.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 731 | 9.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 732 | 9.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 733 | 9.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 734 | 9.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 735 | 9.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 736 | 9.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 737 | 9.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 738 | 9.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 739 | 8.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 740 | 8.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 741 | 8.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 742 | 8.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 743 | 8.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 744 | 8.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 745 | 8.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 746 | 8.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 747 | 8.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 748 | 8.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 749 | 7.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 750 | 7.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 751 | 7.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 752 | 7.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 753 | 7.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 754 | 7.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 755 | 7.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 756 | 7.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 757 | 7.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 758 | 7.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 759 | 6.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 760 | 6.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 761 | 6.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 762 | 6.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 763 | 6.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 764 | 6.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 765 | 6.300 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 766 | 6.200 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 767 | 6.100 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 768 | 6.000 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 769 | 5.900 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 770 | 5.800 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 771 | 5.700 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 772 | 5.600 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 773 | 5.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 774 | 5.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 775 | 5.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 776 | 5.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 777 | 5.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 778 | 5.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 779 | 4.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 780 | 4.800 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 781 | 4.700 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 782 | 4.600 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 783 | 4.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 784 | 4.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 785 | 4.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 786 | 4.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 787 | 4.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 788 | 4.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 789 | 3.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 790 | 3.800 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 791 | 3.700 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 792 | 3.600 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 793 | 3.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 794 | 3.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 795 | 3.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 796 | 3.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 797 | 3.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 798 | 3.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 799 | 2.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800 | 2.800 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 801 | 2.700 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 802 | 2.600 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 803 | 2.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 804 | 2.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 805 | 2.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 806 | 2.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 807 | 2.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 808 | 2.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 809 | 1.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 810 | 1.800 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 811 | 1.700 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 812 | 1.600 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 813 | 1.500 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 814 | 1.400 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 815 | 1.300 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 816 | 1.200 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 817 | 1.100 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 818 | 1.000 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 819 | 0.900 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 820 | 0.800 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 821 | 0.700 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 822 | 0.600 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 823 | 0.500 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 824 | 0.400 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 825 | 0.300 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 826 | 0.200 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 827 | 0.100 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 828 | 0.000 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Upper Grand River #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT * | BOD#2 DECAY * | BOD#2 DECAY 1/da | ABOD#2 SOD 1/da | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 12.300 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 880 | 12.200 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 881 | 12.100 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 882 | 12.000 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 883 | 11.900 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 884 | 11.800 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 885 | 11.700 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 886 | 11.600 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 887 | 11.500 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 888 | 11.400 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 889 | 11.300 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 0.03 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 890 | 11.200 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 0.03 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 891 | 11.100 | 7.38 | 0.85 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.27 | 0.03 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 892 | 11.000 | 7.38 | 0.85 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.18 | 0.03 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 893 | 10.900 | 7.38 | 0.85 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.10 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 894 | 10.800 | 7.38 | 0.85 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.04 | 0.03 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 895 | 10.700 | 7.38 | 0.85 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 2.99 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 896 | 10.600 | 7.39 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 2.94 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 897 | 10.500 | 7.39 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 2.91 | 0.03 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 898 | 10.400 | 7.39 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 2.89 | 0.03 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 899 | 10.300 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 2.87 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 900 | 10.200 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 2.86 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 901 | 10.100 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 2.85 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 902 | 10.000 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 2.84 | 0.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 903 | 9.900 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 2.84 | 0.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 904 | 9.800 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 2.84 | 0.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 905 | 9.700 | 7.40 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 2.84 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 906 | 9.600 | 7.40 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 2.85 | 0.02 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 907 | 9.500 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 908 | 9.400 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 909 | 9.300 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 910 | 9.200 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 911 | 9.100 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 912 | 9.000 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 913 | 8.900 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 914 | 8.800 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 915 | 8.700 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 916 | 8.600 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 917 | 8.500 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 918 | 8.400 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 919 | 8.300 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 920 | 8.200 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 921 | 8.100 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 922 | 8.000 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 923 | 7.900 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 924 | 7.800 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 925 | 7.700 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 926 | 7.600 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 927 | 7.500 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 928 | 7.400 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 929 | 7.300 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 930 | 7.200 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 931 | 7.100 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 932 | 7.000 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 933 | 6.900 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 934 | 6.800 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 935 | 6.700 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 936 | 6.600 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 937 | 6.500 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 938 | 6.400 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 939 | 6.300 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 940 | 6.200 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 941 | 6.100 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 942 | 6.000 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 943 | 5.900 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 944 | 5.800 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 945 | 5.700 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 946 | 5.600 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 947 | 5.500 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 948 | 5.400 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 949 | 5.300 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 950 | 5.200 | 7.44 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 951 | 5.100 | 7.44 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 952 | 5.000 | 7.44 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 953 | 4.900 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 954 | 4.800 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 955 | 4.700 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 956 | 4.600 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 957 | 4.500 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 958 | 4.400 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 959 | 4.300 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 960 | 4.200 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 961 | 4.100 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 962 | 4.000 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1007 | 3.900 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1008 | 3.800 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1009 | 3.700 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1010 | 3.600 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 3.14 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1011 | 3.500 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 3.14 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1012 | 3.400 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 3.14 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1013 | 3.300 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1014 | 3.200 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1015 | 3.100 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1016 | 3.000 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1017 | 2.900 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1018 | 2.800 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1019 | 2.700 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1020 | 2.600 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1021 | 2.500 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1022 | 2.400 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1023 | 2.300 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1024 | 2.200 | 7.50 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1025 | 2.100 | 7.50 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1026 | 2.000 | 7.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1027 | 1.900 | 7.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1028 | 1.800 | 7.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1029 | 1.700 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1030 | 1.600 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1031 | 1.500 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1032 | 1.400 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1033 | 1.300 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1034 | 1.200 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1035 | 1.100 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1036 | 1.000 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1037 | 0.900 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1038 | 0.800 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1039 | 0.700 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1040 | 0.600 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1041 | 0.500 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1042 | 0.400 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1043 | 0.300 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1044 | 0.200 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1045 | 0.100 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1046 | 0.000 | 7.55 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Lower Flat River
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT * | BOD#2 DECAY * | ABOD#2 SOD 1/da | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | 4.300 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 964 | 4.200 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 965 | 4.100 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 966 | 4.000 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 967 | 3.900 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 968 | 3.800 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 969 | 3.700 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 970 | 3.600 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 971 | 3.500 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 972 | 3.400 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 973 | 3.300 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 974 | 3.200 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 975 | 3.100 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 976 | 3.000 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 977 | 2.900 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 978 | 2.800 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 979 | 2.700 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 980 | 2.600 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 981 | 2.500 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 982 | 2.400 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 983 | 2.300 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 984 | 2.200 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 985 | 2.100 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 986 | 2.000 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 987 | 1.900 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 988 | 1.800 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 989 | 1.700 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 990 | 1.600 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 991 | 1.500 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 992 | 1.400 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 993 | 1.300 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 994 | 1.200 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 995 | 1.100 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 996 | 1.000 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 997 | 0.900 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 998 | 0.800 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 999 | 0.700 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1000 | 0.600 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1001 | 0.500 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1002 | 0.400 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1003 | 0.300 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1004 | 0.200 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1005 | 0.100 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 2.57 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

1006 0.000 7.46 1.31 0.49 0.00 0.00 0.00 0.00 0.00 2.57 2.57 0.02 0.00 0.40 0.00 0.00 0.00 3.12 0.00 0.00 0.00 0.00
SPECIAL REPORT: Bayou Cholpe #1
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m≥/s | ADVCTV m/s | DEPTH m | WIDTH m | VOLUME AREA m≥ | SURFACE AREA m≤ | PRISM m≤ | X-SECT VELO m≥ | TIDAL VELO m/s | TIDAL m≤/s | DISPRSN | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.60 | 55.50 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 2 | 55.50 | 55.40 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 3 | 55.40 | 55.30 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 4 | 55.30 | 55.20 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 5 | 55.20 | 55.10 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 6 | 55.10 | 55.00 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 7 | 55.00 | 54.90 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 8 | 54.90 | 54.80 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 9 | 54.80 | 54.70 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 10 | 54.70 | 54.60 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 11 | 54.60 | 54.50 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 12 | 54.50 | 54.40 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 13 | 54.40 | 54.30 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 14 | 54.30 | 54.20 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 15 | 54.20 | 54.10 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 16 | 54.10 | 54.00 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 17 | 54.00 | 53.90 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 18 | 53.90 | 53.80 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 19 | 53.80 | 53.70 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 20 | 53.70 | 53.60 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 21 | 53.60 | 53.50 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 22 | 53.50 | 53.40 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 23 | 53.40 | 53.30 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 24 | 53.30 | 53.20 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 25 | 53.20 | 53.10 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 26 | 53.10 | 53.00 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 27 | 53.00 | 52.90 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 28 | 52.90 | 52.80 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 29 | 52.80 | 52.70 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 30 | 52.70 | 52.60 | 0.0949 | 0.379 | 0.25 | 1.0 | 25. | 100.0 | 0.2 | 0. | 0.000 | 0.000 | | 0.379 |
| 31 | 52.60 | 52.50 | 0.1010 | 0.010 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.010 |
| 32 | 52.50 | 52.40 | 0.1072 | 0.011 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.011 |
| 33 | 52.40 | 52.30 | 0.1133 | 0.011 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.011 |
| 34 | 52.30 | 52.20 | 0.1195 | 0.012 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.012 |
| 35 | 52.20 | 52.10 | 0.1256 | 0.013 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.013 |
| 36 | 52.10 | 52.00 | 0.1318 | 0.013 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.013 |
| 37 | 52.00 | 51.90 | 0.1379 | 0.014 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.014 |
| 38 | 51.90 | 51.80 | 0.1441 | 0.014 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.014 |
| 39 | 51.80 | 51.70 | 0.1502 | 0.015 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.015 |
| 40 | 51.70 | 51.60 | 0.1564 | 0.016 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.016 |
| 41 | 51.60 | 51.50 | 0.1626 | 0.016 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.016 |
| 42 | 51.50 | 51.40 | 0.1687 | 0.017 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | | 0.017 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | 51.40 | 51.30 | 0.1749 | 0.017 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.017 |
| 44 | 51.30 | 51.20 | 0.1810 | 0.018 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.018 |
| 45 | 51.20 | 51.10 | 0.1872 | 0.019 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.019 |
| 46 | 51.10 | 51.00 | 0.1933 | 0.019 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.019 |
| 47 | 51.00 | 50.90 | 0.1995 | 0.020 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.020 |
| 48 | 50.90 | 50.80 | 0.2056 | 0.021 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.021 |
| 49 | 50.80 | 50.70 | 0.2118 | 0.021 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.021 |
| 50 | 50.70 | 50.60 | 0.2179 | 0.022 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.022 |
| 51 | 50.60 | 50.50 | 0.2241 | 0.022 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.022 |
| 52 | 50.50 | 50.40 | 0.2303 | 0.023 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.023 |
| 53 | 50.40 | 50.30 | 0.2364 | 0.024 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.024 |
| 54 | 50.30 | 50.20 | 0.2426 | 0.024 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.024 |
| 55 | 50.20 | 50.10 | 0.2487 | 0.025 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.025 |
| 56 | 50.10 | 50.00 | 0.2549 | 0.025 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.025 |
| 57 | 50.00 | 49.90 | 0.2610 | 0.026 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.026 |
| 58 | 49.90 | 49.80 | 0.2672 | 0.027 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.027 |
| 59 | 49.80 | 49.70 | 0.2733 | 0.027 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.027 |
| 60 | 49.70 | 49.60 | 0.2795 | 0.028 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.028 |
| 61 | 49.60 | 49.50 | 0.2856 | 0.029 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.029 |
| 62 | 49.50 | 49.40 | 0.2918 | 0.029 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.029 |
| 63 | 49.40 | 49.30 | 0.2980 | 0.030 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.030 |
| 64 | 49.30 | 49.20 | 0.3041 | 0.030 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.030 |
| 65 | 49.20 | 49.10 | 0.3103 | 0.031 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.031 |
| 66 | 49.10 | 49.00 | 0.3164 | 0.032 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.032 |
| 67 | 49.00 | 48.90 | 0.3226 | 0.032 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.032 |
| 68 | 48.90 | 48.80 | 0.3287 | 0.033 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.033 |
| 69 | 48.80 | 48.70 | 0.3349 | 0.033 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.033 |
| 70 | 48.70 | 48.60 | 0.3410 | 0.034 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.034 |
| 71 | 48.60 | 48.50 | 0.3472 | 0.035 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.035 |
| 72 | 48.50 | 48.40 | 0.3533 | 0.035 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.035 |
| 73 | 48.40 | 48.30 | 0.3595 | 0.036 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.036 |
| 74 | 48.30 | 48.20 | 0.3657 | 0.037 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.037 |
| 75 | 48.20 | 48.10 | 0.3718 | 0.037 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.037 |
| 76 | 48.10 | 48.00 | 0.3780 | 0.038 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.038 |
| 77 | 48.00 | 47.90 | 0.3841 | 0.038 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.038 |
| 78 | 47.90 | 47.80 | 0.3903 | 0.039 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.039 |
| 79 | 47.80 | 47.70 | 0.3964 | 0.040 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.040 |
| 80 | 47.70 | 47.60 | 0.4026 | 0.040 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.040 |
| 81 | 47.60 | 47.50 | 0.4087 | 0.041 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.041 |
| 82 | 47.50 | 47.40 | 0.4149 | 0.041 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.041 |
| 83 | 47.40 | 47.30 | 0.4211 | 0.042 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.042 |
| 84 | 47.30 | 47.20 | 0.4272 | 0.043 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.043 |
| 85 | 47.20 | 47.10 | 0.4334 | 0.043 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.043 |
| 86 | 47.10 | 47.00 | 0.4395 | 0.044 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.044 |
| 87 | 47.00 | 46.90 | 0.4457 | 0.045 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.045 |
| 88 | 46.90 | 46.80 | 0.4518 | 0.045 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.045 |
| 89 | 46.80 | 46.70 | 0.4580 | 0.046 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.046 |
| 90 | 46.70 | 46.60 | 0.4641 | 0.046 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.046 |
| 91 | 46.60 | 46.50 | 0.4703 | 0.047 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.047 |
| 92 | 46.50 | 46.40 | 0.4764 | 0.048 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.048 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 46.40 | 46.30 | 0.4826 | 0.048 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.048 |
| 94 | 46.30 | 46.20 | 0.4888 | 0.049 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.049 |
| 95 | 46.20 | 46.10 | 0.4949 | 0.049 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.049 |
| 96 | 46.10 | 46.00 | 0.5011 | 0.050 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.050 |
| 97 | 46.00 | 45.90 | 0.5072 | 0.051 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.051 |
| 98 | 45.90 | 45.80 | 0.5134 | 0.051 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.051 |
| 99 | 45.80 | 45.70 | 0.5195 | 0.052 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.052 |
| 100 | 45.70 | 45.60 | 0.5257 | 0.053 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.053 |
| 101 | 45.60 | 45.50 | 0.5318 | 0.053 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.053 |
| 102 | 45.50 | 45.40 | 0.5380 | 0.054 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.054 |
| 103 | 45.40 | 45.30 | 0.5441 | 0.054 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.054 |
| 104 | 45.30 | 45.20 | 0.5503 | 0.055 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.055 |
| 105 | 45.20 | 45.10 | 0.5565 | 0.056 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.056 |
| 106 | 45.10 | 45.00 | 0.5626 | 0.056 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.056 |
| 107 | 45.00 | 44.90 | 0.5688 | 0.057 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.057 |
| 108 | 44.90 | 44.80 | 0.5749 | 0.057 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.057 |
| 109 | 44.80 | 44.70 | 0.5811 | 0.058 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.058 |
| 110 | 44.70 | 44.60 | 0.5872 | 0.059 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.059 |
| 111 | 44.60 | 44.50 | 0.5934 | 0.059 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.059 |
| 112 | 44.50 | 44.40 | 0.5995 | 0.060 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.060 |
| 113 | 44.40 | 44.30 | 0.6057 | 0.061 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.061 |
| 114 | 44.30 | 44.20 | 0.6118 | 0.061 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.061 |
| 115 | 44.20 | 44.10 | 0.6180 | 0.062 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.062 |
| 116 | 44.10 | 44.00 | 0.6242 | 0.062 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.062 |
| 117 | 44.00 | 43.90 | 0.6303 | 0.063 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.063 |
| 118 | 43.90 | 43.80 | 0.6365 | 0.064 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.064 |
| 119 | 43.80 | 43.70 | 0.6426 | 0.064 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.064 |
| 120 | 43.70 | 43.60 | 0.6488 | 0.065 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.065 |
| 121 | 43.60 | 43.50 | 0.6549 | 0.065 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.065 |
| 122 | 43.50 | 43.40 | 0.6611 | 0.066 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.066 |
| 123 | 43.40 | 43.30 | 0.6672 | 0.067 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.067 |
| 124 | 43.30 | 43.20 | 0.6734 | 0.067 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.067 |
| 125 | 43.20 | 43.10 | 0.6795 | 0.068 | 1.00 | 10.0 | 1000. | 1000.0 | 10.0 | 0. | 0.000 | 0.000 | 0.068 |
| 229 | 43.10 | 43.00 | 0.9371 | 0.011 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.011 |
| 230 | 43.00 | 42.90 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 231 | 42.90 | 42.80 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 232 | 42.80 | 42.70 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 233 | 42.70 | 42.60 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 234 | 42.60 | 42.50 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 235 | 42.50 | 42.40 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 236 | 42.40 | 42.30 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 237 | 42.30 | 42.20 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 238 | 42.20 | 42.10 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 239 | 42.10 | 42.00 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 240 | 42.00 | 41.90 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 241 | 41.90 | 41.80 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 242 | 41.80 | 41.70 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 243 | 41.70 | 41.60 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 244 | 41.60 | 41.50 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 245 | 41.50 | 41.40 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 41.40 | 41.30 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 247 | 41.30 | 41.20 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 248 | 41.20 | 41.10 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 249 | 41.10 | 41.00 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 250 | 41.00 | 40.90 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 251 | 40.90 | 40.80 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 252 | 40.80 | 40.70 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 253 | 40.70 | 40.60 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 254 | 40.60 | 40.50 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 255 | 40.50 | 40.40 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 256 | 40.40 | 40.30 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 257 | 40.30 | 40.20 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 258 | 40.20 | 40.10 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 259 | 40.10 | 40.00 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 260 | 40.00 | 39.90 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 261 | 39.90 | 39.80 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 262 | 39.80 | 39.70 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 263 | 39.70 | 39.60 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 264 | 39.60 | 39.50 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 265 | 39.50 | 39.40 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 266 | 39.40 | 39.30 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 267 | 39.30 | 39.20 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 268 | 39.20 | 39.10 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 269 | 39.10 | 39.00 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 270 | 39.00 | 38.90 | 1.3165 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 271 | 38.90 | 38.80 | 1.3167 | 0.016 | 2.40 | 34.0 | 8160. | 3400.0 | 81.6 | 0. | 0.000 | 0.000 | 0.016 |
| 347 | 38.80 | 38.70 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 348 | 38.70 | 38.60 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 349 | 38.60 | 38.50 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 350 | 38.50 | 38.40 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 351 | 38.40 | 38.30 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 352 | 38.30 | 38.20 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 353 | 38.20 | 38.10 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 354 | 38.10 | 38.00 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 355 | 38.00 | 37.90 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 356 | 37.90 | 37.80 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 357 | 37.80 | 37.70 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 358 | 37.70 | 37.60 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 359 | 37.60 | 37.50 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 360 | 37.50 | 37.40 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 361 | 37.40 | 37.30 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 362 | 37.30 | 37.20 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 363 | 37.20 | 37.10 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 364 | 37.10 | 37.00 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 365 | 37.00 | 36.90 | 1.3259 | 0.010 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.010 |
| 366 | 36.90 | 36.80 | 1.5609 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 367 | 36.80 | 36.70 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 368 | 36.70 | 36.60 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 369 | 36.60 | 36.50 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 370 | 36.50 | 36.40 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 371 | 36.40 | 36.30 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 372 | 36.30 | 36.20 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 373 | 36.20 | 36.10 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 374 | 36.10 | 36.00 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 375 | 36.00 | 35.90 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 376 | 35.90 | 35.80 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 377 | 35.80 | 35.70 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 378 | 35.70 | 35.60 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 379 | 35.60 | 35.50 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 380 | 35.50 | 35.40 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 381 | 35.40 | 35.30 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 382 | 35.30 | 35.20 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 383 | 35.20 | 35.10 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 384 | 35.10 | 35.00 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 385 | 35.00 | 34.90 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 386 | 34.90 | 34.80 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 387 | 34.80 | 34.70 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 388 | 34.70 | 34.60 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 389 | 34.60 | 34.50 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 390 | 34.50 | 34.40 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 391 | 34.40 | 34.30 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 392 | 34.30 | 34.20 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 393 | 34.20 | 34.10 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 394 | 34.10 | 34.00 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 395 | 34.00 | 33.90 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 396 | 33.90 | 33.80 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 397 | 33.80 | 33.70 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 398 | 33.70 | 33.60 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 399 | 33.60 | 33.50 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 400 | 33.50 | 33.40 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 401 | 33.40 | 33.30 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 402 | 33.30 | 33.20 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 403 | 33.20 | 33.10 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 404 | 33.10 | 33.00 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 405 | 33.00 | 32.90 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 406 | 32.90 | 32.80 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 407 | 32.80 | 32.70 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 408 | 32.70 | 32.60 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 409 | 32.60 | 32.50 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 410 | 32.50 | 32.40 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 411 | 32.40 | 32.30 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 412 | 32.30 | 32.20 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 413 | 32.20 | 32.10 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 414 | 32.10 | 32.00 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 415 | 32.00 | 31.90 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 416 | 31.90 | 31.80 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 417 | 31.80 | 31.70 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 418 | 31.70 | 31.60 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 419 | 31.60 | 31.50 | 1.5797 | 0.012 | 2.80 | 47.0 | 13160. | 4700.0 | 131.6 | 0. | 0.000 | 0.000 | 0.012 |
| 554 | 31.50 | 31.40 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 555 | 31.40 | 31.30 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 556 | 31.30 | 31.20 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 557 | 31.20 | 31.10 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 558 | 31.10 | 31.00 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 559 | 31.00 | 30.90 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 560 | 30.90 | 30.80 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 561 | 30.80 | 30.70 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 562 | 30.70 | 30.60 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 563 | 30.60 | 30.50 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 564 | 30.50 | 30.40 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 565 | 30.40 | 30.30 | 9.1435 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 566 | 30.30 | 30.20 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 567 | 30.20 | 30.10 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 568 | 30.10 | 30.00 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 569 | 30.00 | 29.90 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 570 | 29.90 | 29.80 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 571 | 29.80 | 29.70 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 572 | 29.70 | 29.60 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 573 | 29.60 | 29.50 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 574 | 29.50 | 29.40 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 575 | 29.40 | 29.30 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 576 | 29.30 | 29.20 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 577 | 29.20 | 29.10 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 578 | 29.10 | 29.00 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 579 | 29.00 | 28.90 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 580 | 28.90 | 28.80 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 581 | 28.80 | 28.70 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 582 | 28.70 | 28.60 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 583 | 28.60 | 28.50 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 584 | 28.50 | 28.40 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 585 | 28.40 | 28.30 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 586 | 28.30 | 28.20 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 587 | 28.20 | 28.10 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 588 | 28.10 | 28.00 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 589 | 28.00 | 27.90 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 590 | 27.90 | 27.80 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 591 | 27.80 | 27.70 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 592 | 27.70 | 27.60 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 593 | 27.60 | 27.50 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 594 | 27.50 | 27.40 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 595 | 27.40 | 27.30 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 596 | 27.30 | 27.20 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 597 | 27.20 | 27.10 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 598 | 27.10 | 27.00 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 599 | 27.00 | 26.90 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 600 | 26.90 | 26.80 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 601 | 26.80 | 26.70 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 602 | 26.70 | 26.60 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 603 | 26.60 | 26.50 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 604 | 26.50 | 26.40 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 605 | 26.40 | 26.30 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 606 | 26.30 | 26.20 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 607 | 26.20 | 26.10 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 608 | 26.10 | 26.00 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 609 | 26.00 | 25.90 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 610 | 25.90 | 25.80 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 611 | 25.80 | 25.70 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 612 | 25.70 | 25.60 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 613 | 25.60 | 25.50 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 614 | 25.50 | 25.40 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 615 | 25.40 | 25.30 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 616 | 25.30 | 25.20 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 617 | 25.20 | 25.10 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 618 | 25.10 | 25.00 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 619 | 25.00 | 24.90 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 620 | 24.90 | 24.80 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 621 | 24.80 | 24.70 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 622 | 24.70 | 24.60 | 9.1436 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 623 | 24.60 | 24.50 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 624 | 24.50 | 24.40 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 625 | 24.40 | 24.30 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 626 | 24.30 | 24.20 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 627 | 24.20 | 24.10 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 628 | 24.10 | 24.00 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 629 | 24.00 | 23.90 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 630 | 23.90 | 23.80 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 631 | 23.80 | 23.70 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 632 | 23.70 | 23.60 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 633 | 23.60 | 23.50 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 634 | 23.50 | 23.40 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 635 | 23.40 | 23.30 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 636 | 23.30 | 23.20 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 637 | 23.20 | 23.10 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 638 | 23.10 | 23.00 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 639 | 23.00 | 22.90 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 640 | 22.90 | 22.80 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 641 | 22.80 | 22.70 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 642 | 22.70 | 22.60 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 643 | 22.60 | 22.50 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 644 | 22.50 | 22.40 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 645 | 22.40 | 22.30 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 646 | 22.30 | 22.20 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 647 | 22.20 | 22.10 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 648 | 22.10 | 22.00 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 649 | 22.00 | 21.90 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 650 | 21.90 | 21.80 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 651 | 21.80 | 21.70 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 652 | 21.70 | 21.60 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 653 | 21.60 | 21.50 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 654 | 21.50 | 21.40 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 655 | 21.40 | 21.30 | 9.1437 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 656 | 21.30 | 21.20 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 657 | 21.20 | 21.10 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 658 | 21.10 | 21.00 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 659 | 21.00 | 20.90 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 660 | 20.90 | 20.80 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 661 | 20.80 | 20.70 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 662 | 20.70 | 20.60 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 663 | 20.60 | 20.50 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 664 | 20.50 | 20.40 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 665 | 20.40 | 20.30 | 9.1438 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 666 | 20.30 | 20.20 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 667 | 20.20 | 20.10 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 668 | 20.10 | 20.00 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 669 | 20.00 | 19.90 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 670 | 19.90 | 19.80 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 671 | 19.80 | 19.70 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 672 | 19.70 | 19.60 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 673 | 19.60 | 19.50 | 9.1483 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 674 | 19.50 | 19.40 | 9.1484 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 675 | 19.40 | 19.30 | 9.1484 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 676 | 19.30 | 19.20 | 9.1484 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 677 | 19.20 | 19.10 | 9.1484 | 0.040 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.040 |
| 678 | 19.10 | 19.00 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 679 | 19.00 | 18.90 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 680 | 18.90 | 18.80 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 681 | 18.80 | 18.70 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 682 | 18.70 | 18.60 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 683 | 18.60 | 18.50 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 684 | 18.50 | 18.40 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 685 | 18.40 | 18.30 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 686 | 18.30 | 18.20 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 687 | 18.20 | 18.10 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 688 | 18.10 | 18.00 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 689 | 18.00 | 17.90 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 690 | 17.90 | 17.80 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 691 | 17.80 | 17.70 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 692 | 17.70 | 17.60 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 693 | 17.60 | 17.50 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 694 | 17.50 | 17.40 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 695 | 17.40 | 17.30 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 696 | 17.30 | 17.20 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 697 | 17.20 | 17.10 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 698 | 17.10 | 17.00 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 699 | 17.00 | 16.90 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 700 | 16.90 | 16.80 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 701 | 16.80 | 16.70 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 702 | 16.70 | 16.60 | 10.5074 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 703 | 16.60 | 16.50 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 704 | 16.50 | 16.40 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 705 | 16.40 | 16.30 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 706 | 16.30 | 16.20 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 707 | 16.20 | 16.10 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 708 | 16.10 | 16.00 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 709 | 16.00 | 15.90 | 10.5075 | 0.046 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.046 |
| 829 | 15.90 | 15.80 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 830 | 15.80 | 15.70 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 831 | 15.70 | 15.60 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 832 | 15.60 | 15.50 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 833 | 15.50 | 15.40 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 834 | 15.40 | 15.30 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 835 | 15.30 | 15.20 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 836 | 15.20 | 15.10 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 837 | 15.10 | 15.00 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 838 | 15.00 | 14.90 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 839 | 14.90 | 14.80 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 840 | 14.80 | 14.70 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 841 | 14.70 | 14.60 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 842 | 14.60 | 14.50 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 843 | 14.50 | 14.40 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 844 | 14.40 | 14.30 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 845 | 14.30 | 14.20 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 846 | 14.20 | 14.10 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 847 | 14.10 | 14.00 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 848 | 14.00 | 13.90 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 849 | 13.90 | 13.80 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 850 | 13.80 | 13.70 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 851 | 13.70 | 13.60 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 852 | 13.60 | 13.50 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 853 | 13.50 | 13.40 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 854 | 13.40 | 13.30 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 855 | 13.30 | 13.20 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 856 | 13.20 | 13.10 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 857 | 13.10 | 13.00 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 858 | 13.00 | 12.90 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 859 | 12.90 | 12.80 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 860 | 12.80 | 12.70 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 861 | 12.70 | 12.60 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 862 | 12.60 | 12.50 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 863 | 12.50 | 12.40 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 864 | 12.40 | 12.30 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 865 | 12.30 | 12.20 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 866 | 12.20 | 12.10 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 867 | 12.10 | 12.00 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 868 | 12.00 | 11.90 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 869 | 11.90 | 11.80 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 870 | 11.80 | 11.70 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 871 | 11.70 | 11.60 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 872 | 11.60 | 11.50 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 873 | 11.50 | 11.40 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 874 | 11.40 | 11.30 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 875 | 11.30 | 11.20 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 876 | 11.20 | 11.10 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 877 | 11.10 | 11.00 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 878 | 11.00 | 10.90 | 11.3474 | 0.044 | 3.20 | 80.0 | 25600. | 8000.0 | 256.0 | 0. | 0.000 | 0.000 | 0.044 |
| 1047 | 10.90 | 10.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1048 | 10.80 | 10.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1049 | 10.70 | 10.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1050 | 10.60 | 10.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1051 | 10.50 | 10.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1052 | 10.40 | 10.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1053 | 10.30 | 10.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1054 | 10.20 | 10.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1055 | 10.10 | 10.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1056 | 10.00 | 9.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1057 | 9.90 | 9.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1058 | 9.80 | 9.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1059 | 9.70 | 9.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1060 | 9.60 | 9.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1061 | 9.50 | 9.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1062 | 9.40 | 9.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1063 | 9.30 | 9.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1064 | 9.20 | 9.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1065 | 9.10 | 9.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1066 | 9.00 | 8.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1067 | 8.90 | 8.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1068 | 8.80 | 8.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1069 | 8.70 | 8.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1070 | 8.60 | 8.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1071 | 8.50 | 8.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1072 | 8.40 | 8.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1073 | 8.30 | 8.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1074 | 8.20 | 8.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1075 | 8.10 | 8.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1076 | 8.00 | 7.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1077 | 7.90 | 7.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1078 | 7.80 | 7.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1079 | 7.70 | 7.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1080 | 7.60 | 7.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1081 | 7.50 | 7.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1082 | 7.40 | 7.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1083 | 7.30 | 7.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1084 | 7.20 | 7.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1085 | 7.10 | 7.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1086 | 7.00 | 6.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1087 | 6.90 | 6.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1088 | 6.80 | 6.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1089 | 6.70 | 6.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1090 | 6.60 | 6.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1091 | 6.50 | 6.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1092 | 6.40 | 6.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1093 | 6.30 | 6.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1094 | 6.20 | 6.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1095 | 6.10 | 6.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1096 | 6.00 | 5.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1097 | 5.90 | 5.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1098 | 5.80 | 5.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1099 | 5.70 | 5.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1100 | 5.60 | 5.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1101 | 5.50 | 5.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1102 | 5.40 | 5.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1103 | 5.30 | 5.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1104 | 5.20 | 5.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1105 | 5.10 | 5.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1106 | 5.00 | 4.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1107 | 4.90 | 4.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1108 | 4.80 | 4.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1109 | 4.70 | 4.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1110 | 4.60 | 4.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1111 | 4.50 | 4.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1112 | 4.40 | 4.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1113 | 4.30 | 4.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1114 | 4.20 | 4.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1115 | 4.10 | 4.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1116 | 4.00 | 3.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1117 | 3.90 | 3.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1118 | 3.80 | 3.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1119 | 3.70 | 3.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1120 | 3.60 | 3.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1121 | 3.50 | 3.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1122 | 3.40 | 3.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1123 | 3.30 | 3.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1124 | 3.20 | 3.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1125 | 3.10 | 3.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1126 | 3.00 | 2.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1127 | 2.90 | 2.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1128 | 2.80 | 2.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1129 | 2.70 | 2.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1130 | 2.60 | 2.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1131 | 2.50 | 2.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1132 | 2.40 | 2.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1133 | 2.30 | 2.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1134 | 2.20 | 2.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1135 | 2.10 | 2.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1136 | 2.00 | 1.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1137 | 1.90 | 1.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1138 | 1.80 | 1.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1139 | 1.70 | 1.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1140 | 1.60 | 1.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1141 | 1.50 | 1.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1142 | 1.40 | 1.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1143 | 1.30 | 1.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1144 | 1.20 | 1.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1145 | 1.10 | 1.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1146 | 1.00 | 0.90 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1147 | 0.90 | 0.80 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1148 | 0.80 | 0.70 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1149 | 0.70 | 0.60 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1150 | 0.60 | 0.50 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1151 | 0.50 | 0.40 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1152 | 0.40 | 0.30 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1153 | 0.30 | 0.20 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1154 | 0.20 | 0.10 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |
| 1155 | 0.10 | 0.00 | 18.2257 | 0.104 | 2.50 | 70.0 | 17500. | 7000.0 | 175.0 | 0. | 0.000 | 0.000 | 0.104 |

SPECIAL REPORT: Bayou Poydras #1
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m≥/s | ADVCTV m/s | DEPTH m | WIDTH m | VOLUME AREA m≥ | SURFACE AREA m≤ | X-SECT PRISM m≤ | TIDAL m≥ | TIDAL VELO m/s | DISPRSN m≤/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 10.30 | 10.20 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 127 | 10.20 | 10.10 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 128 | 10.10 | 10.00 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 129 | 10.00 | 9.90 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 130 | 9.90 | 9.80 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 131 | 9.80 | 9.70 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 132 | 9.70 | 9.60 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 133 | 9.60 | 9.50 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 134 | 9.50 | 9.40 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 135 | 9.40 | 9.30 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 136 | 9.30 | 9.20 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 137 | 9.20 | 9.10 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 138 | 9.10 | 9.00 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 139 | 9.00 | 8.90 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 140 | 8.90 | 8.80 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 141 | 8.80 | 8.70 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 142 | 8.70 | 8.60 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 143 | 8.60 | 8.50 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 144 | 8.50 | 8.40 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 145 | 8.40 | 8.30 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 146 | 8.30 | 8.20 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 147 | 8.20 | 8.10 | 0.0660 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 148 | 8.10 | 8.00 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 149 | 8.00 | 7.90 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 150 | 7.90 | 7.80 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 151 | 7.80 | 7.70 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 152 | 7.70 | 7.60 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 153 | 7.60 | 7.50 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 154 | 7.50 | 7.40 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 7.40 | 7.30 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 156 | 7.30 | 7.20 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 157 | 7.20 | 7.10 | 0.0661 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 158 | 7.10 | 7.00 | 0.0664 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 159 | 7.00 | 6.90 | 0.0664 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 160 | 6.90 | 6.80 | 0.0664 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 161 | 6.80 | 6.70 | 0.0664 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 162 | 6.70 | 6.60 | 0.0664 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 163 | 6.60 | 6.50 | 0.0664 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 164 | 6.50 | 6.40 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 165 | 6.40 | 6.30 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 166 | 6.30 | 6.20 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 167 | 6.20 | 6.10 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 168 | 6.10 | 6.00 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 169 | 6.00 | 5.90 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 170 | 5.90 | 5.80 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 171 | 5.80 | 5.70 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 172 | 5.70 | 5.60 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 173 | 5.60 | 5.50 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 174 | 5.50 | 5.40 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 175 | 5.40 | 5.30 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 176 | 5.30 | 5.20 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 177 | 5.20 | 5.10 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 178 | 5.10 | 5.00 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 179 | 5.00 | 4.90 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 180 | 4.90 | 4.80 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 181 | 4.80 | 4.70 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 182 | 4.70 | 4.60 | 0.0665 | 0.055 | 0.30 | 4.0 | 120. | 400.0 | 1.2 | 0. | 0.000 | 0.000 | 0.055 |
| 183 | 4.60 | 4.50 | 0.0706 | 0.015 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.015 |
| 184 | 4.50 | 4.40 | 0.0747 | 0.016 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.016 |
| 185 | 4.40 | 4.30 | 0.0788 | 0.016 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.016 |
| 186 | 4.30 | 4.20 | 0.0846 | 0.018 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.018 |
| 187 | 4.20 | 4.10 | 0.0893 | 0.019 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.019 |
| 188 | 4.10 | 4.00 | 0.0934 | 0.019 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.019 |
| 189 | 4.00 | 3.90 | 0.0975 | 0.020 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.020 |
| 190 | 3.90 | 3.80 | 0.1016 | 0.021 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.021 |
| 191 | 3.80 | 3.70 | 0.1057 | 0.022 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.022 |
| 192 | 3.70 | 3.60 | 0.1098 | 0.023 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.023 |
| 193 | 3.60 | 3.50 | 0.1139 | 0.024 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.024 |
| 194 | 3.50 | 3.40 | 0.1180 | 0.025 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.025 |
| 195 | 3.40 | 3.30 | 0.1221 | 0.025 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.025 |
| 196 | 3.30 | 3.20 | 0.1262 | 0.026 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.026 |
| 197 | 3.20 | 3.10 | 0.1303 | 0.027 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.027 |
| 198 | 3.10 | 3.00 | 0.1344 | 0.028 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.028 |
| 199 | 3.00 | 2.90 | 0.1385 | 0.029 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.029 |
| 200 | 2.90 | 2.80 | 0.1426 | 0.030 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.030 |
| 201 | 2.80 | 2.70 | 0.1467 | 0.031 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.031 |
| 202 | 2.70 | 2.60 | 0.1508 | 0.031 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.031 |
| 203 | 2.60 | 2.50 | 0.1550 | 0.032 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.032 |
| 204 | 2.50 | 2.40 | 0.1591 | 0.033 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.033 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 2.40 | 2.30 | 0.1632 | 0.034 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.034 |
| 206 | 2.30 | 2.20 | 0.1673 | 0.035 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.035 |
| 207 | 2.20 | 2.10 | 0.1714 | 0.036 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.036 |
| 208 | 2.10 | 2.00 | 0.1755 | 0.037 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.037 |
| 209 | 2.00 | 1.90 | 0.1796 | 0.037 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.037 |
| 210 | 1.90 | 1.80 | 0.1837 | 0.038 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.038 |
| 211 | 1.80 | 1.70 | 0.1878 | 0.039 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.039 |
| 212 | 1.70 | 1.60 | 0.1919 | 0.040 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.040 |
| 213 | 1.60 | 1.50 | 0.1960 | 0.041 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.041 |
| 214 | 1.50 | 1.40 | 0.2001 | 0.042 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.042 |
| 215 | 1.40 | 1.30 | 0.2042 | 0.043 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.043 |
| 216 | 1.30 | 1.20 | 0.2083 | 0.043 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.043 |
| 217 | 1.20 | 1.10 | 0.2124 | 0.044 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.044 |
| 218 | 1.10 | 1.00 | 0.2165 | 0.045 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.045 |
| 219 | 1.00 | 0.90 | 0.2206 | 0.046 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.046 |
| 220 | 0.90 | 0.80 | 0.2247 | 0.047 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.047 |
| 221 | 0.80 | 0.70 | 0.2288 | 0.048 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.048 |
| 222 | 0.70 | 0.60 | 0.2329 | 0.049 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.049 |
| 223 | 0.60 | 0.50 | 0.2370 | 0.049 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.049 |
| 224 | 0.50 | 0.40 | 0.2411 | 0.050 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.050 |
| 225 | 0.40 | 0.30 | 0.2452 | 0.051 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.051 |
| 226 | 0.30 | 0.20 | 0.2494 | 0.052 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.052 |
| 227 | 0.20 | 0.10 | 0.2535 | 0.053 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.053 |
| 228 | 0.10 | 0.00 | 0.2576 | 0.054 | 0.60 | 8.0 | 480. | 800.0 | 4.8 | 0. | 0.000 | 0.000 | 0.054 |

SPECIAL REPORT: Chamberlin Canal #1
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m≥/s | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME m≥ | SURFACE AREA m≤ | X-SECT AREA m≤ | TIDAL PRISM m≥ | TIDAL VELO m/s | DISPRSN m≤/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 7.50 | 7.40 | 0.0005 | 0.003 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.003 |
| 273 | 7.40 | 7.30 | 0.0006 | 0.003 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.003 |
| 274 | 7.30 | 7.20 | 0.0006 | 0.003 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.003 |
| 275 | 7.20 | 7.10 | 0.0007 | 0.003 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.003 |
| 276 | 7.10 | 7.00 | 0.0007 | 0.004 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.004 |
| 277 | 7.00 | 6.90 | 0.0008 | 0.004 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.004 |
| 278 | 6.90 | 6.80 | 0.0008 | 0.004 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.004 |
| 279 | 6.80 | 6.70 | 0.0009 | 0.004 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.004 |
| 280 | 6.70 | 6.60 | 0.0009 | 0.005 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.005 |
| 281 | 6.60 | 6.50 | 0.0010 | 0.005 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.005 |
| 282 | 6.50 | 6.40 | 0.0010 | 0.005 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.005 |
| 283 | 6.40 | 6.30 | 0.0010 | 0.005 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.005 |
| 284 | 6.30 | 6.20 | 0.0011 | 0.005 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.005 |
| 285 | 6.20 | 6.10 | 0.0011 | 0.006 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.006 |
| 286 | 6.10 | 6.00 | 0.0012 | 0.006 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.006 |
| 287 | 6.00 | 5.90 | 0.0012 | 0.006 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.006 |
| 288 | 5.90 | 5.80 | 0.0013 | 0.006 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.006 |
| 289 | 5.80 | 5.70 | 0.0013 | 0.007 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.007 |
| 290 | 5.70 | 5.60 | 0.0014 | 0.007 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.007 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 291 | 5.60 | 5.50 | 0.0014 | 0.007 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.007 |
| 292 | 5.50 | 5.40 | 0.0015 | 0.007 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.007 |
| 293 | 5.40 | 5.30 | 0.0015 | 0.008 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.008 |
| 294 | 5.30 | 5.20 | 0.0015 | 0.008 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.008 |
| 295 | 5.20 | 5.10 | 0.0016 | 0.008 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.008 |
| 296 | 5.10 | 5.00 | 0.0016 | 0.008 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.008 |
| 297 | 5.00 | 4.90 | 0.0017 | 0.008 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.008 |
| 298 | 4.90 | 4.80 | 0.0017 | 0.009 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.009 |
| 299 | 4.80 | 4.70 | 0.0018 | 0.009 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.009 |
| 300 | 4.70 | 4.60 | 0.0018 | 0.009 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.009 |
| 301 | 4.60 | 4.50 | 0.0019 | 0.009 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.009 |
| 302 | 4.50 | 4.40 | 0.0019 | 0.010 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.010 |
| 303 | 4.40 | 4.30 | 0.0020 | 0.010 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.010 |
| 304 | 4.30 | 4.20 | 0.0020 | 0.010 | 0.10 | 2.0 | 20. | 200.0 | 0.2 | 0. | 0.000 | 0.000 | 0.010 |
| 305 | 4.20 | 4.10 | 0.0043 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 306 | 4.10 | 4.00 | 0.0044 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 307 | 4.00 | 3.90 | 0.0045 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 308 | 3.90 | 3.80 | 0.0046 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 309 | 3.80 | 3.70 | 0.0047 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 310 | 3.70 | 3.60 | 0.0049 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 311 | 3.60 | 3.50 | 0.0050 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 312 | 3.50 | 3.40 | 0.0051 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 313 | 3.40 | 3.30 | 0.0052 | 0.003 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.003 |
| 314 | 3.30 | 3.20 | 0.0053 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 315 | 3.20 | 3.10 | 0.0055 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 316 | 3.10 | 3.00 | 0.0056 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 317 | 3.00 | 2.90 | 0.0057 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 318 | 2.90 | 2.80 | 0.0058 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 319 | 2.80 | 2.70 | 0.0059 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 320 | 2.70 | 2.60 | 0.0061 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 321 | 2.60 | 2.50 | 0.0062 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 322 | 2.50 | 2.40 | 0.0063 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 323 | 2.40 | 2.30 | 0.0064 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 324 | 2.30 | 2.20 | 0.0065 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 325 | 2.20 | 2.10 | 0.0067 | 0.004 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.004 |
| 326 | 2.10 | 2.00 | 0.0068 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 327 | 2.00 | 1.90 | 0.0069 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 328 | 1.90 | 1.80 | 0.0070 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 329 | 1.80 | 1.70 | 0.0071 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 330 | 1.70 | 1.60 | 0.0072 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 331 | 1.60 | 1.50 | 0.0074 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 332 | 1.50 | 1.40 | 0.0075 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 333 | 1.40 | 1.30 | 0.0076 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 334 | 1.30 | 1.20 | 0.0077 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 335 | 1.20 | 1.10 | 0.0078 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 336 | 1.10 | 1.00 | 0.0080 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 337 | 1.00 | 0.90 | 0.0081 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 338 | 0.90 | 0.80 | 0.0082 | 0.005 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.005 |
| 339 | 0.80 | 0.70 | 0.0083 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |
| 340 | 0.70 | 0.60 | 0.0084 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 341 | 0.60 | 0.50 | 0.0086 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |
| 342 | 0.50 | 0.40 | 0.0087 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |
| 343 | 0.40 | 0.30 | 0.0088 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |
| 344 | 0.30 | 0.20 | 0.0089 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |
| 345 | 0.20 | 0.10 | 0.0090 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |
| 346 | 0.10 | 0.00 | 0.0091 | 0.006 | 0.30 | 5.0 | 150. | 500.0 | 1.5 | 0. | 0.000 | 0.000 | 0.006 |

SPECIAL REPORT: Intracoastal Waterwa
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m≥/s | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME AREA m≥ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 13.40 | 13.30 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 421 | 13.30 | 13.20 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 422 | 13.20 | 13.10 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 423 | 13.10 | 13.00 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 424 | 13.00 | 12.90 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 425 | 12.90 | 12.80 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 426 | 12.80 | 12.70 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 427 | 12.70 | 12.60 | 7.5300 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 428 | 12.60 | 12.50 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 429 | 12.50 | 12.40 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 430 | 12.40 | 12.30 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 431 | 12.30 | 12.20 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 432 | 12.20 | 12.10 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 433 | 12.10 | 12.00 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 434 | 12.00 | 11.90 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 435 | 11.90 | 11.80 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 436 | 11.80 | 11.70 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 437 | 11.70 | 11.60 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 438 | 11.60 | 11.50 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 439 | 11.50 | 11.40 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 440 | 11.40 | 11.30 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 441 | 11.30 | 11.20 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 442 | 11.20 | 11.10 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 443 | 11.10 | 11.00 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 444 | 11.00 | 10.90 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 445 | 10.90 | 10.80 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 446 | 10.80 | 10.70 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 447 | 10.70 | 10.60 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 448 | 10.60 | 10.50 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 449 | 10.50 | 10.40 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 450 | 10.40 | 10.30 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 451 | 10.30 | 10.20 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 452 | 10.20 | 10.10 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 453 | 10.10 | 10.00 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 454 | 10.00 | 9.90 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 455 | 9.90 | 9.80 | 7.5311 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 456 | 9.80 | 9.70 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 457 | 9.70 | 9.60 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 458 | 9.60 | 9.50 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 459 | 9.50 | 9.40 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 460 | 9.40 | 9.30 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 461 | 9.30 | 9.20 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 462 | 9.20 | 9.10 | 7.5314 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 463 | 9.10 | 9.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 464 | 9.00 | 8.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 465 | 8.90 | 8.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 466 | 8.80 | 8.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 467 | 8.70 | 8.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 468 | 8.60 | 8.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 469 | 8.50 | 8.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 470 | 8.40 | 8.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 471 | 8.30 | 8.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 472 | 8.20 | 8.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 473 | 8.10 | 8.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 474 | 8.00 | 7.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 475 | 7.90 | 7.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 476 | 7.80 | 7.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 477 | 7.70 | 7.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 478 | 7.60 | 7.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 479 | 7.50 | 7.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 480 | 7.40 | 7.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 481 | 7.30 | 7.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 482 | 7.20 | 7.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 483 | 7.10 | 7.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 484 | 7.00 | 6.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 485 | 6.90 | 6.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 486 | 6.80 | 6.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 487 | 6.70 | 6.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 488 | 6.60 | 6.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 489 | 6.50 | 6.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 490 | 6.40 | 6.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 491 | 6.30 | 6.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 492 | 6.20 | 6.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 493 | 6.10 | 6.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 494 | 6.00 | 5.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 495 | 5.90 | 5.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 496 | 5.80 | 5.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 497 | 5.70 | 5.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 498 | 5.60 | 5.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 499 | 5.50 | 5.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 500 | 5.40 | 5.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 501 | 5.30 | 5.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 502 | 5.20 | 5.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 503 | 5.10 | 5.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 504 | 5.00 | 4.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 505 | 4.90 | 4.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 506 | 4.80 | 4.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 507 | 4.70 | 4.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 508 | 4.60 | 4.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 509 | 4.50 | 4.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 510 | 4.40 | 4.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 511 | 4.30 | 4.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 512 | 4.20 | 4.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 513 | 4.10 | 4.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 514 | 4.00 | 3.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 515 | 3.90 | 3.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 516 | 3.80 | 3.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 517 | 3.70 | 3.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 518 | 3.60 | 3.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 519 | 3.50 | 3.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 520 | 3.40 | 3.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 521 | 3.30 | 3.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 522 | 3.20 | 3.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 523 | 3.10 | 3.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 524 | 3.00 | 2.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 525 | 2.90 | 2.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 526 | 2.80 | 2.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 527 | 2.70 | 2.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 528 | 2.60 | 2.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 529 | 2.50 | 2.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 530 | 2.40 | 2.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 531 | 2.30 | 2.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 532 | 2.20 | 2.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 533 | 2.10 | 2.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 534 | 2.00 | 1.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 535 | 1.90 | 1.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 536 | 1.80 | 1.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 537 | 1.70 | 1.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 538 | 1.60 | 1.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 539 | 1.50 | 1.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 540 | 1.40 | 1.30 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 541 | 1.30 | 1.20 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 542 | 1.20 | 1.10 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 543 | 1.10 | 1.00 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 544 | 1.00 | 0.90 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 545 | 0.90 | 0.80 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 546 | 0.80 | 0.70 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 547 | 0.70 | 0.60 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 548 | 0.60 | 0.50 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 549 | 0.50 | 0.40 | 7.5445 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 550 | 0.40 | 0.30 | 7.5639 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 551 | 0.30 | 0.20 | 7.5639 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 552 | 0.20 | 0.10 | 7.5639 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |
| 553 | 0.10 | 0.00 | 7.5639 | 0.033 | 3.00 | 76.0 | 22800. | 7600.0 | 228.0 | 0. | 0.000 | 0.000 | 0.033 |

SPECIAL REPORT: Bayou Plaquemine
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m≥/s | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME m≥ | SURFACE AREA m≤ | X-SECT AREA m≤ | PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 11.90 | 11.80 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 711 | 11.80 | 11.70 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 712 | 11.70 | 11.60 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 713 | 11.60 | 11.50 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 714 | 11.50 | 11.40 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 715 | 11.40 | 11.30 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 716 | 11.30 | 11.20 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 717 | 11.20 | 11.10 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 718 | 11.10 | 11.00 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 719 | 11.00 | 10.90 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 720 | 10.90 | 10.80 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 721 | 10.80 | 10.70 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 722 | 10.70 | 10.60 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 723 | 10.60 | 10.50 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 724 | 10.50 | 10.40 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 725 | 10.40 | 10.30 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 726 | 10.30 | 10.20 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 727 | 10.20 | 10.10 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 728 | 10.10 | 10.00 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 729 | 10.00 | 9.90 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 730 | 9.90 | 9.80 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 731 | 9.80 | 9.70 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 732 | 9.70 | 9.60 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 733 | 9.60 | 9.50 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 734 | 9.50 | 9.40 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 735 | 9.40 | 9.30 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 736 | 9.30 | 9.20 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 737 | 9.20 | 9.10 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 738 | 9.10 | 9.00 | 0.7700 | 0.023 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.023 | |
| 739 | 9.00 | 8.90 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 740 | 8.90 | 8.80 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 741 | 8.80 | 8.70 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 742 | 8.70 | 8.60 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 743 | 8.60 | 8.50 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 744 | 8.50 | 8.40 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 745 | 8.40 | 8.30 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 746 | 8.30 | 8.20 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 747 | 8.20 | 8.10 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 748 | 8.10 | 8.00 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 749 | 8.00 | 7.90 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 750 | 7.90 | 7.80 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 751 | 7.80 | 7.70 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 752 | 7.70 | 7.60 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 753 | 7.60 | 7.50 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 754 | 7.50 | 7.40 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |
| 755 | 7.40 | 7.30 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 756 | 7.30 | 7.20 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 757 | 7.20 | 7.10 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 758 | 7.10 | 7.00 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 759 | 7.00 | 6.90 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 760 | 6.90 | 6.80 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 761 | 6.80 | 6.70 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 762 | 6.70 | 6.60 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 763 | 6.60 | 6.50 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 764 | 6.50 | 6.40 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 765 | 6.40 | 6.30 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 766 | 6.30 | 6.20 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 767 | 6.20 | 6.10 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 768 | 6.10 | 6.00 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 769 | 6.00 | 5.90 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 770 | 5.90 | 5.80 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 771 | 5.80 | 5.70 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 772 | 5.70 | 5.60 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 773 | 5.60 | 5.50 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 774 | 5.50 | 5.40 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 775 | 5.40 | 5.30 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 776 | 5.30 | 5.20 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 777 | 5.20 | 5.10 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 778 | 5.10 | 5.00 | 0.8357 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 779 | 5.00 | 4.90 | 0.8386 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 780 | 4.90 | 4.80 | 0.8386 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 781 | 4.80 | 4.70 | 0.8386 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 782 | 4.70 | 4.60 | 0.8396 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 783 | 4.60 | 4.50 | 0.8396 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 784 | 4.50 | 4.40 | 0.8396 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 785 | 4.40 | 4.30 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 786 | 4.30 | 4.20 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 787 | 4.20 | 4.10 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 788 | 4.10 | 4.00 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 789 | 4.00 | 3.90 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 790 | 3.90 | 3.80 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 791 | 3.80 | 3.70 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 792 | 3.70 | 3.60 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 793 | 3.60 | 3.50 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 794 | 3.50 | 3.40 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 795 | 3.40 | 3.30 | 0.8398 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 796 | 3.30 | 3.20 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 797 | 3.20 | 3.10 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 798 | 3.10 | 3.00 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 799 | 3.00 | 2.90 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 800 | 2.90 | 2.80 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 801 | 2.80 | 2.70 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 802 | 2.70 | 2.60 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 803 | 2.60 | 2.50 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 804 | 2.50 | 2.40 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 805 | 2.40 | 2.30 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 806 | 2.30 | 2.20 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 807 | 2.20 | 2.10 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 808 | 2.10 | 2.00 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 809 | 2.00 | 1.90 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 810 | 1.90 | 1.80 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 811 | 1.80 | 1.70 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 812 | 1.70 | 1.60 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 813 | 1.60 | 1.50 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 814 | 1.50 | 1.40 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 815 | 1.40 | 1.30 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 816 | 1.30 | 1.20 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 817 | 1.20 | 1.10 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 818 | 1.10 | 1.00 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 819 | 1.00 | 0.90 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 820 | 0.90 | 0.80 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 821 | 0.80 | 0.70 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 822 | 0.70 | 0.60 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 823 | 0.60 | 0.50 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 824 | 0.50 | 0.40 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 825 | 0.40 | 0.30 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 826 | 0.30 | 0.20 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 827 | 0.20 | 0.10 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |
| 828 | 0.10 | 0.00 | 0.8399 | 0.025 | 1.10 | 30.0 | 3300. | 3000.0 | 33.0 | 0. | 0.000 | 0.000 | 0.025 |

SPECIAL REPORT: Upper Grand River #1
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m≥/s | ADVCTV m/s | DEPTH m | WIDTH m | AREA m≥ | VOLUME AREA m≤ | SURFACE PRISM m≥ | X-SECT VELO m/s | TIDAL VELO m≤/s | TIDAL VELO m/s | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 12.40 | 12.30 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 880 | 12.30 | 12.20 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 881 | 12.20 | 12.10 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 882 | 12.10 | 12.00 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 883 | 12.00 | 11.90 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 884 | 11.90 | 11.80 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 885 | 11.80 | 11.70 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 886 | 11.70 | 11.60 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 887 | 11.60 | 11.50 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 888 | 11.50 | 11.40 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 889 | 11.40 | 11.30 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 890 | 11.30 | 11.20 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 891 | 11.20 | 11.10 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 892 | 11.10 | 11.00 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 893 | 11.00 | 10.90 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 894 | 10.90 | 10.80 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 895 | 10.80 | 10.70 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 896 | 10.70 | 10.60 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 897 | 10.60 | 10.50 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |
| 898 | 10.50 | 10.40 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 899 | 10.40 | 10.30 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 900 | 10.30 | 10.20 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 901 | 10.20 | 10.10 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 902 | 10.10 | 10.00 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 903 | 10.00 | 9.90 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 904 | 9.90 | 9.80 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 905 | 9.80 | 9.70 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 906 | 9.70 | 9.60 | 3.9400 | 0.041 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.041 |
| 907 | 9.60 | 9.50 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 908 | 9.50 | 9.40 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 909 | 9.40 | 9.30 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 910 | 9.30 | 9.20 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 911 | 9.20 | 9.10 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 912 | 9.10 | 9.00 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 913 | 9.00 | 8.90 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 914 | 8.90 | 8.80 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 915 | 8.80 | 8.70 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 916 | 8.70 | 8.60 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 917 | 8.60 | 8.50 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 918 | 8.50 | 8.40 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 919 | 8.40 | 8.30 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 920 | 8.30 | 8.20 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 921 | 8.20 | 8.10 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 922 | 8.10 | 8.00 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 923 | 8.00 | 7.90 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 924 | 7.90 | 7.80 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 925 | 7.80 | 7.70 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 926 | 7.70 | 7.60 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 927 | 7.60 | 7.50 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 928 | 7.50 | 7.40 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 929 | 7.40 | 7.30 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 930 | 7.30 | 7.20 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 931 | 7.20 | 7.10 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 932 | 7.10 | 7.00 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 933 | 7.00 | 6.90 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 934 | 6.90 | 6.80 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 935 | 6.80 | 6.70 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 936 | 6.70 | 6.60 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 937 | 6.60 | 6.50 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 938 | 6.50 | 6.40 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 939 | 6.40 | 6.30 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 940 | 6.30 | 6.20 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 941 | 6.20 | 6.10 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 942 | 6.10 | 6.00 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 943 | 6.00 | 5.90 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 944 | 5.90 | 5.80 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 945 | 5.80 | 5.70 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 946 | 5.70 | 5.60 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 947 | 5.60 | 5.50 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 948 | 5.50 | 5.40 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 949 | 5.40 | 5.30 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 950 | 5.30 | 5.20 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 951 | 5.20 | 5.10 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 952 | 5.10 | 5.00 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 953 | 5.00 | 4.90 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 954 | 4.90 | 4.80 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 955 | 4.80 | 4.70 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 956 | 4.70 | 4.60 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 957 | 4.60 | 4.50 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 958 | 4.50 | 4.40 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 959 | 4.40 | 4.30 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 960 | 4.30 | 4.20 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 961 | 4.20 | 4.10 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 962 | 4.10 | 4.00 | 4.9083 | 0.051 | 1.10 | 88.0 | 9680. | 8800.0 | 96.8 | 0. | 0.000 | 0.000 | 0.051 |
| 1007 | 4.00 | 3.90 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1008 | 3.90 | 3.80 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1009 | 3.80 | 3.70 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1010 | 3.70 | 3.60 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1011 | 3.60 | 3.50 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1012 | 3.50 | 3.40 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1013 | 3.40 | 3.30 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1014 | 3.30 | 3.20 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1015 | 3.20 | 3.10 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1016 | 3.10 | 3.00 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1017 | 3.00 | 2.90 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1018 | 2.90 | 2.80 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1019 | 2.80 | 2.70 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1020 | 2.70 | 2.60 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1021 | 2.60 | 2.50 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1022 | 2.50 | 2.40 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1023 | 2.40 | 2.30 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1024 | 2.30 | 2.20 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1025 | 2.20 | 2.10 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1026 | 2.10 | 2.00 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1027 | 2.00 | 1.90 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1028 | 1.90 | 1.80 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1029 | 1.80 | 1.70 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1030 | 1.70 | 1.60 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1031 | 1.60 | 1.50 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1032 | 1.50 | 1.40 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1033 | 1.40 | 1.30 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1034 | 1.30 | 1.20 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1035 | 1.20 | 1.10 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1036 | 1.10 | 1.00 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1037 | 1.00 | 0.90 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1038 | 0.90 | 0.80 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1039 | 0.80 | 0.70 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1040 | 0.70 | 0.60 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1041 | 0.60 | 0.50 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1042 | 0.50 | 0.40 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1043 | 0.40 | 0.30 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1044 | 0.30 | 0.20 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1045 | 0.20 | 0.10 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |
| 1046 | 0.10 | 0.00 | 6.8783 | 0.085 | 1.30 | 62.0 | 8060. | 6200.0 | 80.6 | 0. | 0.000 | 0.000 | 0.085 |

SPECIAL REPORT: Lower Flat River
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW VELO | ADVCTV | DEPTH | WIDTH | VOLUME AREA | SURFACE AREA | PRISM | X-SECT VELO | TIDAL | TIDAL VELO | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m≥/s | m/s | m | m | m≥ | m≤ | m≤ | m≥ | m/s | m≤/s | m/s | |
| 963 | 4.40 | 4.30 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 964 | 4.30 | 4.20 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 965 | 4.20 | 4.10 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 966 | 4.10 | 4.00 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 967 | 4.00 | 3.90 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 968 | 3.90 | 3.80 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 969 | 3.80 | 3.70 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 970 | 3.70 | 3.60 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 971 | 3.60 | 3.50 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 972 | 3.50 | 3.40 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 973 | 3.40 | 3.30 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 974 | 3.30 | 3.20 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 975 | 3.20 | 3.10 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 976 | 3.10 | 3.00 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 977 | 3.00 | 2.90 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 978 | 2.90 | 2.80 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 979 | 2.80 | 2.70 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 980 | 2.70 | 2.60 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 981 | 2.60 | 2.50 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 982 | 2.50 | 2.40 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 983 | 2.40 | 2.30 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 984 | 2.30 | 2.20 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 985 | 2.20 | 2.10 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 986 | 2.10 | 2.00 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 987 | 2.00 | 1.90 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 988 | 1.90 | 1.80 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 989 | 1.80 | 1.70 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 990 | 1.70 | 1.60 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 991 | 1.60 | 1.50 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 992 | 1.50 | 1.40 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 993 | 1.40 | 1.30 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 994 | 1.30 | 1.20 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 995 | 1.20 | 1.10 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 996 | 1.10 | 1.00 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 997 | 1.00 | 0.90 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 998 | 0.90 | 0.80 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 999 | 0.80 | 0.70 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 1000 | 0.70 | 0.60 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |
| 1001 | 0.60 | 0.50 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1002 | 0.50 | 0.40 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 |
| 1003 | 0.40 | 0.30 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 |
| 1004 | 0.30 | 0.20 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 |
| 1005 | 0.20 | 0.10 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 |
| 1006 | 0.10 | 0.00 | 1.9700 | 0.038 | 0.80 | 64.0 | 5120. | 6400.0 | 51.2 | 0. | 0.000 | 0.000 | 0.038 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 1 Bayou Cholpe #1 Calibration Simulation for Upper Terrebonne model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.09485 | 24.60 | 0.00 | 0.00 | 0.00 | 4.10 | 4.70 | 0.00 | 4.70 | 0.00 | 2.40 | 0.03 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.60 | 55.50 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 2 | 55.50 | 55.40 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 3 | 55.40 | 55.30 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 4 | 55.30 | 55.20 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 5 | 55.20 | 55.10 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 6 | 55.10 | 55.00 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 7 | 55.00 | 54.90 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 8 | 54.90 | 54.80 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 9 | 54.80 | 54.70 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 10 | 54.70 | 54.60 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 11 | 54.60 | 54.50 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 12 | 54.50 | 54.40 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 13 | 54.40 | 54.30 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 14 | 54.30 | 54.20 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 15 | 54.20 | 54.10 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 16 | 54.10 | 54.00 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 17 | 54.00 | 53.90 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 18 | 53.90 | 53.80 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 19 | 53.80 | 53.70 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 20 | 53.70 | 53.60 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 21 | 53.60 | 53.50 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 22 | 53.50 | 53.40 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 23 | 53.40 | 53.30 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 24 | 53.30 | 53.20 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 25 | 53.20 | 53.10 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 26 | 53.10 | 53.00 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 27 | 53.00 | 52.90 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 28 | 52.90 | 52.80 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 29 | 52.80 | 52.70 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |
| 30 | 52.70 | 52.60 | 0.09485 | 0.0 | 0.37940 | 0.00 | 0.25 | 1.00 | 25.00 | 100.00 | 0.25 | 0.00 | 0.000 | 0.000 | 0.379 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | | 0.09 | | | | | 750.00 | 3000.00 | | | | | | | | | | | | | | |
| AVG | | | | 0.3794 | | 0.25 | 1.00 | | | | | 0.25 | | | | | | | | | | | | | |
| CUM | | | | | 0.09 | | | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.500 | 8.30 | 10.95 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 55.400 | 8.28 | 10.98 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 55.300 | 8.26 | 11.01 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 55.200 | 8.23 | 11.04 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 0.97 | 0.97 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 55.100 | 8.21 | 11.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 0.98 | 0.98 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 55.000 | 8.19 | 11.10 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.99 | 0.99 | 0.99 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 54.900 | 8.17 | 11.13 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 54.800 | 8.15 | 11.16 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 54.700 | 8.13 | 11.19 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 54.600 | 8.10 | 11.22 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 54.500 | 8.08 | 11.25 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 54.400 | 8.06 | 11.28 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 54.300 | 8.04 | 11.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 54.200 | 8.02 | 11.34 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 54.100 | 8.00 | 11.37 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 1.07 | 1.07 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 54.000 | 7.98 | 11.40 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 | 1.08 | 1.08 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 53.900 | 7.95 | 11.43 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | 1.09 | 1.09 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 53.800 | 7.93 | 11.46 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 1.10 | 1.10 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 53.700 | 7.91 | 11.49 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 1.11 | 1.11 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 53.600 | 7.89 | 11.52 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 1.12 | 1.12 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 53.500 | 7.87 | 11.55 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 | 1.14 | 1.14 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 53.400 | 7.85 | 11.58 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 1.15 | 1.15 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 53.300 | 7.83 | 11.61 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 | 1.16 | 1.16 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 53.200 | 7.81 | 11.64 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.17 | 1.17 | 1.17 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 53.100 | 7.79 | 11.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 1.18 | 1.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 53.000 | 7.77 | 11.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 1.19 | 1.19 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 52.900 | 7.75 | 11.73 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 52.800 | 7.73 | 11.76 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 1.21 | 1.21 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 52.700 | 7.71 | 11.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 1.22 | 1.22 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 52.600 | 7.69 | 11.82 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | | | 0.02 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 |

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.500 | 24.75 | 0.00 | 0.00 | 0.00 | 4.22 | 4.70 | 0.00 | 4.70 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 2 | 55.400 | 24.89 | 0.00 | 0.00 | 0.00 | 4.34 | 4.70 | 0.00 | 4.70 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 55.300 | 25.04 | 0.00 | 0.00 | 0.00 | 4.45 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 4 | 55.200 | 25.19 | 0.00 | 0.00 | 0.00 | 4.56 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 5 | 55.100 | 25.33 | 0.00 | 0.00 | 0.00 | 4.67 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 6 | 55.000 | 25.48 | 0.00 | 0.00 | 0.00 | 4.77 | 4.69 | 0.00 | 4.69 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 7 | 54.900 | 25.63 | 0.00 | 0.00 | 0.00 | 4.87 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 8 | 54.800 | 25.77 | 0.00 | 0.00 | 0.00 | 4.96 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 9 | 54.700 | 25.92 | 0.00 | 0.00 | 0.00 | 5.05 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 10 | 54.600 | 26.07 | 0.00 | 0.00 | 0.00 | 5.14 | 4.68 | 0.00 | 4.68 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 11 | 54.500 | 26.21 | 0.00 | 0.00 | 0.00 | 5.22 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 12 | 54.400 | 26.36 | 0.00 | 0.00 | 0.00 | 5.30 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 13 | 54.300 | 26.51 | 0.00 | 0.00 | 0.00 | 5.38 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 14 | 54.200 | 26.65 | 0.00 | 0.00 | 0.00 | 5.45 | 4.67 | 0.00 | 4.67 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 15 | 54.100 | 26.80 | 0.00 | 0.00 | 0.00 | 5.52 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 16 | 54.000 | 26.95 | 0.00 | 0.00 | 0.00 | 5.59 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 17 | 53.900 | 27.09 | 0.00 | 0.00 | 0.00 | 5.65 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 18 | 53.800 | 27.24 | 0.00 | 0.00 | 0.00 | 5.71 | 4.66 | 0.00 | 4.66 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 19 | 53.700 | 27.39 | 0.00 | 0.00 | 0.00 | 5.77 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 20 | 53.600 | 27.53 | 0.00 | 0.00 | 0.00 | 5.83 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 21 | 53.500 | 27.68 | 0.00 | 0.00 | 0.00 | 5.88 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 22 | 53.400 | 27.83 | 0.00 | 0.00 | 0.00 | 5.93 | 4.65 | 0.00 | 4.65 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 23 | 53.300 | 27.97 | 0.00 | 0.00 | 0.00 | 5.98 | 4.64 | 0.00 | 4.64 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 24 | 53.200 | 28.12 | 0.00 | 0.00 | 0.00 | 6.03 | 4.64 | 0.00 | 4.64 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 25 | 53.100 | 28.27 | 0.00 | 0.00 | 0.00 | 6.07 | 4.64 | 0.00 | 4.64 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 26 | 53.000 | 28.41 | 0.00 | 0.00 | 0.00 | 6.11 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 27 | 52.900 | 28.56 | 0.00 | 0.00 | 0.00 | 6.15 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 28 | 52.800 | 28.71 | 0.00 | 0.00 | 0.00 | 6.19 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 29 | 52.700 | 28.85 | 0.00 | 0.00 | 0.00 | 6.23 | 4.63 | 0.00 | 4.63 | 0.00 | 2.40 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 30 | 52.600 | 29.00 | 0.00 | 0.00 | 0.00 | 6.26 | 4.62 | 0.00 | 4.62 | 0.00 | 2.39 | 0.03 | 1.50 | 3.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 2 Bayou Cholpe #2 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN µg/L | NH3 | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | UPR RCH | 0.09485 | 29.00 | 0.00 | 0.00 | 0.00 | 6.26 | 4.62 | 0.00 | 4.62 | 0.00 | 2.39 | 0.03 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00615 | 24.56 | 0.00 | 0.00 | 0.00 | 4.08 | 9.30 | 0.00 | | | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 52.60 | 52.50 | 0.10100 | 0.0 | 0.01010 | 0.11 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 32 | 52.50 | 52.40 | 0.10716 | 0.0 | 0.01072 | 0.11 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.011 |
| 33 | 52.40 | 52.30 | 0.11331 | 0.0 | 0.01133 | 0.10 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.011 |
| 34 | 52.30 | 52.20 | 0.11947 | 0.0 | 0.01195 | 0.10 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.012 |
| 35 | 52.20 | 52.10 | 0.12562 | 0.0 | 0.01256 | 0.09 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.013 |
| 36 | 52.10 | 52.00 | 0.13178 | 0.0 | 0.01318 | 0.09 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.013 |
| 37 | 52.00 | 51.90 | 0.13793 | 0.0 | 0.01379 | 0.08 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.014 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 51.90 | 51.80 | 0.14409 | 0.0 | 0.01441 | 0.08 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.014 |
| 39 | 51.80 | 51.70 | 0.15024 | 0.0 | 0.01502 | 0.08 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.015 |
| 40 | 51.70 | 51.60 | 0.15640 | 0.0 | 0.01564 | 0.07 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.016 |
| 41 | 51.60 | 51.50 | 0.16255 | 0.0 | 0.01626 | 0.07 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.016 |
| 42 | 51.50 | 51.40 | 0.16871 | 0.0 | 0.01687 | 0.07 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.017 |
| 43 | 51.40 | 51.30 | 0.17486 | 0.0 | 0.01749 | 0.07 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.017 |
| 44 | 51.30 | 51.20 | 0.18102 | 0.0 | 0.01810 | 0.06 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.018 |
| 45 | 51.20 | 51.10 | 0.18717 | 0.0 | 0.01872 | 0.06 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.019 |
| 46 | 51.10 | 51.00 | 0.19333 | 0.0 | 0.01933 | 0.06 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.019 |
| 47 | 51.00 | 50.90 | 0.19948 | 0.0 | 0.01995 | 0.06 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.020 |
| 48 | 50.90 | 50.80 | 0.20564 | 0.0 | 0.02056 | 0.06 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.021 |
| 49 | 50.80 | 50.70 | 0.21179 | 0.0 | 0.02118 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.021 |
| 50 | 50.70 | 50.60 | 0.21794 | 0.0 | 0.02179 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.022 |
| 51 | 50.60 | 50.50 | 0.22410 | 0.0 | 0.02241 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.022 |
| 52 | 50.50 | 50.40 | 0.23025 | 0.0 | 0.02303 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 53 | 50.40 | 50.30 | 0.23641 | 0.0 | 0.02364 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.024 |
| 54 | 50.30 | 50.20 | 0.24256 | 0.0 | 0.02426 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.024 |
| 55 | 50.20 | 50.10 | 0.24872 | 0.0 | 0.02487 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 56 | 50.10 | 50.00 | 0.25487 | 0.0 | 0.02549 | 0.05 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 57 | 50.00 | 49.90 | 0.26103 | 0.0 | 0.02610 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.026 |
| 58 | 49.90 | 49.80 | 0.26718 | 0.0 | 0.02672 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.027 |
| 59 | 49.80 | 49.70 | 0.27334 | 0.0 | 0.02733 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.027 |
| 60 | 49.70 | 49.60 | 0.27949 | 0.0 | 0.02795 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.028 |
| 61 | 49.60 | 49.50 | 0.28565 | 0.0 | 0.02856 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.029 |
| 62 | 49.50 | 49.40 | 0.29180 | 0.0 | 0.02918 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.029 |
| 63 | 49.40 | 49.30 | 0.29796 | 0.0 | 0.02980 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.030 |
| 64 | 49.30 | 49.20 | 0.30411 | 0.0 | 0.03041 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.030 |
| 65 | 49.20 | 49.10 | 0.31027 | 0.0 | 0.03103 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.031 |
| 66 | 49.10 | 49.00 | 0.31642 | 0.0 | 0.03164 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.032 |
| 67 | 49.00 | 48.90 | 0.32258 | 0.0 | 0.03226 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.032 |
| 68 | 48.90 | 48.80 | 0.32873 | 0.0 | 0.03287 | 0.04 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 69 | 48.80 | 48.70 | 0.33488 | 0.0 | 0.03349 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 70 | 48.70 | 48.60 | 0.34104 | 0.0 | 0.03410 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.034 |
| 71 | 48.60 | 48.50 | 0.34719 | 0.0 | 0.03472 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.035 |
| 72 | 48.50 | 48.40 | 0.35335 | 0.0 | 0.03533 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.035 |
| 73 | 48.40 | 48.30 | 0.35950 | 0.0 | 0.03595 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.036 |
| 74 | 48.30 | 48.20 | 0.36566 | 0.0 | 0.03657 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.037 |
| 75 | 48.20 | 48.10 | 0.37181 | 0.0 | 0.03718 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.037 |
| 76 | 48.10 | 48.00 | 0.37797 | 0.0 | 0.03780 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.038 |
| 77 | 48.00 | 47.90 | 0.38412 | 0.0 | 0.03841 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.038 |
| 78 | 47.90 | 47.80 | 0.39028 | 0.0 | 0.03903 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.039 |
| 79 | 47.80 | 47.70 | 0.39643 | 0.0 | 0.03964 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 80 | 47.70 | 47.60 | 0.40259 | 0.0 | 0.04026 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 81 | 47.60 | 47.50 | 0.40874 | 0.0 | 0.04087 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.041 |
| 82 | 47.50 | 47.40 | 0.41490 | 0.0 | 0.04149 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.041 |
| 83 | 47.40 | 47.30 | 0.42105 | 0.0 | 0.04211 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.042 |
| 84 | 47.30 | 47.20 | 0.42721 | 0.0 | 0.04272 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.043 |
| 85 | 47.20 | 47.10 | 0.43336 | 0.0 | 0.04334 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.043 |
| 86 | 47.10 | 47.00 | 0.43952 | 0.0 | 0.04395 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 87 | 47.00 | 46.90 | 0.44567 | 0.0 | 0.04457 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.045 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 46.90 | 46.80 | 0.45182 | 0.0 | 0.04518 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.045 |
| 89 | 46.80 | 46.70 | 0.45798 | 0.0 | 0.04580 | 0.03 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 90 | 46.70 | 46.60 | 0.46413 | 0.0 | 0.04641 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 91 | 46.60 | 46.50 | 0.47029 | 0.0 | 0.04703 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.047 |
| 92 | 46.50 | 46.40 | 0.47644 | 0.0 | 0.04764 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.048 |
| 93 | 46.40 | 46.30 | 0.48260 | 0.0 | 0.04826 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.048 |
| 94 | 46.30 | 46.20 | 0.48875 | 0.0 | 0.04888 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.049 |
| 95 | 46.20 | 46.10 | 0.49491 | 0.0 | 0.04949 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.049 |
| 96 | 46.10 | 46.00 | 0.50106 | 0.0 | 0.05011 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.050 |
| 97 | 46.00 | 45.90 | 0.50722 | 0.0 | 0.05072 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.051 |
| 98 | 45.90 | 45.80 | 0.51337 | 0.0 | 0.05134 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.051 |
| 99 | 45.80 | 45.70 | 0.51953 | 0.0 | 0.05195 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.052 |
| 100 | 45.70 | 45.60 | 0.52568 | 0.0 | 0.05257 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.053 |
| 101 | 45.60 | 45.50 | 0.53184 | 0.0 | 0.05318 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.053 |
| 102 | 45.50 | 45.40 | 0.53799 | 0.0 | 0.05380 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.054 |
| 103 | 45.40 | 45.30 | 0.54415 | 0.0 | 0.05441 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.054 |
| 104 | 45.30 | 45.20 | 0.55030 | 0.0 | 0.05503 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.055 |
| 105 | 45.20 | 45.10 | 0.55646 | 0.0 | 0.05565 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.056 |
| 106 | 45.10 | 45.00 | 0.56261 | 0.0 | 0.05626 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.056 |
| 107 | 45.00 | 44.90 | 0.56876 | 0.0 | 0.05688 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.057 |
| 108 | 44.90 | 44.80 | 0.57492 | 0.0 | 0.05749 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.057 |
| 109 | 44.80 | 44.70 | 0.58107 | 0.0 | 0.05811 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.058 |
| 110 | 44.70 | 44.60 | 0.58723 | 0.0 | 0.05872 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.059 |
| 111 | 44.60 | 44.50 | 0.59338 | 0.0 | 0.05934 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.059 |
| 112 | 44.50 | 44.40 | 0.59954 | 0.0 | 0.05995 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.060 |
| 113 | 44.40 | 44.30 | 0.60569 | 0.0 | 0.06057 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.061 |
| 114 | 44.30 | 44.20 | 0.61185 | 0.0 | 0.06118 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.061 |
| 115 | 44.20 | 44.10 | 0.61800 | 0.0 | 0.06180 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.062 |
| 116 | 44.10 | 44.00 | 0.62416 | 0.0 | 0.06242 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.062 |
| 117 | 44.00 | 43.90 | 0.63031 | 0.0 | 0.06303 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.063 |
| 118 | 43.90 | 43.80 | 0.63647 | 0.0 | 0.06365 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.064 |
| 119 | 43.80 | 43.70 | 0.64262 | 0.0 | 0.06426 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.064 |
| 120 | 43.70 | 43.60 | 0.64878 | 0.0 | 0.06488 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.065 |
| 121 | 43.60 | 43.50 | 0.65493 | 0.0 | 0.06549 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.065 |
| 122 | 43.50 | 43.40 | 0.66109 | 0.0 | 0.06611 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.066 |
| 123 | 43.40 | 43.30 | 0.66724 | 0.0 | 0.06672 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.067 |
| 124 | 43.30 | 43.20 | 0.67339 | 0.0 | 0.06734 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.067 |
| 125 | 43.20 | 43.10 | 0.67955 | 0.0 | 0.06795 | 0.02 | 1.00 | 10.00 | 1000.00 | 1000.00 | 10.00 | 0.00 | 0.000 | 0.000 | 0.068 |
| TOT | | | | | 3.65 | | | | 95000.00 | 95000.00 | | | | | |
| AVG | | | | 0.0301 | | | 1.00 | 10.00 | | | 10.00 | | | | |
| CUM | | | | | 3.74 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | SRCE * | NH3 RATE 1/da | NH3 SRCE * | DENIT PROD ** | PO4 PROD ** | ALG DECAY 1/da | MAC DECAY 1/da | COLI SETT 1/da | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 52.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 32 | 52.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 52.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 52.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 52.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 52.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 51.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 51.800 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 51.700 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 51.600 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 51.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 51.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 51.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 51.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 51.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 51.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 50.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 50.800 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 50.700 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 50.600 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 50.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 50.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 50.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 50.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 50.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 50.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 49.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 49.800 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 49.700 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 49.600 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 49.500 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 49.400 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 49.300 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 49.200 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 49.100 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 49.000 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 48.900 | 7.69 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 48.800 | 7.69 | 0.84 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 48.700 | 7.69 | 0.85 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 48.600 | 7.69 | 0.86 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 48.500 | 7.69 | 0.87 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 48.400 | 7.69 | 0.87 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 48.300 | 7.69 | 0.88 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 48.200 | 7.69 | 0.89 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 48.100 | 7.69 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 48.000 | 7.69 | 0.90 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 47.900 | 7.69 | 0.91 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 47.800 | 7.69 | 0.92 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 47.700 | 7.69 | 0.93 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 47.600 | 7.69 | 0.93 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 47.500 | 7.69 | 0.94 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 47.400 | 7.69 | 0.95 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | 47.300 | 7.69 | 0.95 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 47.200 | 7.69 | 0.96 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 47.100 | 7.69 | 0.97 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 47.000 | 7.69 | 0.97 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 46.900 | 7.69 | 0.98 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 46.800 | 7.69 | 0.99 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 46.700 | 7.69 | 0.99 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 46.600 | 7.69 | 1.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 46.500 | 7.69 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 46.400 | 7.69 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 46.300 | 7.69 | 1.02 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 46.200 | 7.69 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 46.100 | 7.69 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 46.000 | 7.69 | 1.04 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 45.900 | 7.69 | 1.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 45.800 | 7.69 | 1.05 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 45.700 | 7.69 | 1.06 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 45.600 | 7.69 | 1.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 45.500 | 7.69 | 1.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 45.400 | 7.69 | 1.08 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 45.300 | 7.69 | 1.08 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 45.200 | 7.69 | 1.09 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 45.100 | 7.69 | 1.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 45.000 | 7.69 | 1.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 44.900 | 7.69 | 1.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 44.800 | 7.69 | 1.11 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 44.700 | 7.69 | 1.12 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 44.600 | 7.69 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 44.500 | 7.69 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 44.400 | 7.69 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 44.300 | 7.69 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 44.200 | 7.69 | 1.15 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 44.100 | 7.69 | 1.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 44.000 | 7.69 | 1.16 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 43.900 | 7.69 | 1.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 43.800 | 7.69 | 1.17 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 43.700 | 7.69 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 43.600 | 7.69 | 1.18 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 43.500 | 7.69 | 1.19 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 43.400 | 7.69 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 43.300 | 7.69 | 1.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 43.200 | 7.69 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 43.100 | 7.69 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.23 | 1.23 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.81 0.13 0.00 0.00 0.00 0.00 0.00 0.70 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM | ENDING | TEMP | SALN | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | TOTN | PHOS | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | DIST | DEG C | PPT | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | g/m≥ | #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 52.500 | 29.00 | 0.00 | 0.00 | 0.00 | 6.03 | 4.80 | 0.00 | 4.80 | 0.00 | 2.33 | 0.04 | 1.41 | 3.78 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 32 | 52.400 | 29.00 | 0.00 | 0.00 | 0.00 | 5.84 | 4.95 | 0.00 | 4.95 | 0.00 | 2.28 | 0.04 | 1.33 | 3.65 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 33 | 52.300 | 29.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.09 | 0.00 | 5.09 | 0.00 | 2.23 | 0.04 | 1.26 | 3.53 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 34 | 52.200 | 29.00 | 0.00 | 0.00 | 0.00 | 5.54 | 5.21 | 0.00 | 5.21 | 0.00 | 2.19 | 0.04 | 1.20 | 3.43 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 35 | 52.100 | 29.00 | 0.00 | 0.00 | 0.00 | 5.43 | 5.31 | 0.00 | 5.31 | 0.00 | 2.15 | 0.04 | 1.14 | 3.33 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 36 | 52.000 | 29.00 | 0.00 | 0.00 | 0.00 | 5.33 | 5.40 | 0.00 | 5.40 | 0.00 | 2.12 | 0.04 | 1.09 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 37 | 51.900 | 29.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.49 | 0.00 | 5.49 | 0.00 | 2.08 | 0.04 | 1.04 | 3.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 38 | 51.800 | 29.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.56 | 0.00 | 5.56 | 0.00 | 2.06 | 0.05 | 1.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 39 | 51.700 | 29.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.63 | 0.00 | 5.63 | 0.00 | 2.03 | 0.05 | 0.96 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 40 | 51.600 | 29.00 | 0.00 | 0.00 | 0.00 | 5.04 | 5.69 | 0.00 | 5.69 | 0.00 | 2.00 | 0.05 | 0.92 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 41 | 51.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.99 | 5.75 | 0.00 | 5.75 | 0.00 | 1.98 | 0.05 | 0.89 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 42 | 51.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.95 | 5.80 | 0.00 | 5.80 | 0.00 | 1.96 | 0.05 | 0.86 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 43 | 51.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.91 | 5.85 | 0.00 | 5.85 | 0.00 | 1.94 | 0.05 | 0.83 | 2.82 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 44 | 51.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.87 | 5.89 | 0.00 | 5.89 | 0.00 | 1.92 | 0.05 | 0.80 | 2.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 45 | 51.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.84 | 5.93 | 0.00 | 5.93 | 0.00 | 1.91 | 0.05 | 0.78 | 2.73 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 46 | 51.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.81 | 5.97 | 0.00 | 5.97 | 0.00 | 1.89 | 0.05 | 0.75 | 2.69 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 47 | 50.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.78 | 6.00 | 0.00 | 6.00 | 0.00 | 1.88 | 0.05 | 0.73 | 2.66 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 48 | 50.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.75 | 6.03 | 0.00 | 6.03 | 0.00 | 1.86 | 0.05 | 0.71 | 2.62 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 49 | 50.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.73 | 6.06 | 0.00 | 6.06 | 0.00 | 1.85 | 0.05 | 0.69 | 2.59 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 50 | 50.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.71 | 6.09 | 0.00 | 6.09 | 0.00 | 1.84 | 0.05 | 0.67 | 2.56 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 51 | 50.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.69 | 6.12 | 0.00 | 6.12 | 0.00 | 1.83 | 0.05 | 0.65 | 2.53 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 52 | 50.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.67 | 6.14 | 0.00 | 6.14 | 0.00 | 1.82 | 0.05 | 0.64 | 2.50 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 53 | 50.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.66 | 6.16 | 0.00 | 6.16 | 0.00 | 1.81 | 0.05 | 0.62 | 2.47 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 54 | 50.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.64 | 6.19 | 0.00 | 6.19 | 0.00 | 1.80 | 0.05 | 0.61 | 2.45 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 55 | 50.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.63 | 6.21 | 0.00 | 6.21 | 0.00 | 1.79 | 0.05 | 0.59 | 2.43 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 56 | 50.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.62 | 6.23 | 0.00 | 6.23 | 0.00 | 1.78 | 0.05 | 0.58 | 2.40 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 57 | 49.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.61 | 6.24 | 0.00 | 6.24 | 0.00 | 1.77 | 0.05 | 0.57 | 2.38 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 58 | 49.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.59 | 6.26 | 0.00 | 6.26 | 0.00 | 1.76 | 0.05 | 0.55 | 2.36 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 59 | 49.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.58 | 6.28 | 0.00 | 6.28 | 0.00 | 1.75 | 0.05 | 0.54 | 2.34 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 60 | 49.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.57 | 6.29 | 0.00 | 6.29 | 0.00 | 1.75 | 0.05 | 0.53 | 2.32 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 61 | 49.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.56 | 6.31 | 0.00 | 6.31 | 0.00 | 1.74 | 0.05 | 0.52 | 2.31 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 62 | 49.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.56 | 6.32 | 0.00 | 6.32 | 0.00 | 1.73 | 0.05 | 0.51 | 2.29 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 63 | 49.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.55 | 6.33 | 0.00 | 6.33 | 0.00 | 1.73 | 0.05 | 0.50 | 2.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 64 | 49.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.54 | 6.35 | 0.00 | 6.35 | 0.00 | 1.72 | 0.05 | 0.49 | 2.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 65 | 49.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.53 | 6.36 | 0.00 | 6.36 | 0.00 | 1.71 | 0.05 | 0.48 | 2.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 66 | 49.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.53 | 6.37 | 0.00 | 6.37 | 0.00 | 1.71 | 0.05 | 0.47 | 2.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 67 | 48.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.52 | 6.38 | 0.00 | 6.38 | 0.00 | 1.70 | 0.05 | 0.46 | 2.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 68 | 48.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.52 | 6.39 | 0.00 | 6.39 | 0.00 | 1.70 | 0.05 | 0.46 | 2.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 69 | 48.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.40 | 0.00 | 6.40 | 0.00 | 1.69 | 0.05 | 0.45 | 2.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 70 | 48.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.41 | 0.00 | 6.41 | 0.00 | 1.69 | 0.05 | 0.44 | 2.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 71 | 48.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.42 | 0.00 | 6.42 | 0.00 | 1.68 | 0.05 | 0.43 | 2.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 72 | 48.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.43 | 0.00 | 6.43 | 0.00 | 1.68 | 0.05 | 0.43 | 2.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 73 | 48.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.44 | 0.00 | 6.44 | 0.00 | 1.67 | 0.05 | 0.42 | 2.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 74 | 48.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.44 | 0.00 | 6.44 | 0.00 | 1.67 | 0.05 | 0.41 | 2.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 75 | 48.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.45 | 0.00 | 6.45 | 0.00 | 1.67 | 0.05 | 0.41 | 2.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 76 | 48.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.51 | 6.46 | 0.00 | 6.46 | 0.00 | 1.66 | 0.05 | 0.40 | 2.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 77 | 47.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.52 | 6.47 | 0.00 | 6.47 | 0.00 | 1.66 | 0.05 | 0.40 | 2.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 78 | 47.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.52 | 6.47 | 0.00 | 6.47 | 0.00 | 1.65 | 0.05 | 0.39 | 2.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 47.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.52 | 6.48 | 0.00 | 6.48 | 0.00 | 1.65 | 0.05 | 0.38 | 2.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 80 | 47.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.53 | 6.49 | 0.00 | 6.49 | 0.00 | 1.65 | 0.05 | 0.38 | 2.07 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 81 | 47.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.53 | 6.49 | 0.00 | 6.49 | 0.00 | 1.64 | 0.05 | 0.37 | 2.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 82 | 47.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.53 | 6.50 | 0.00 | 6.50 | 0.00 | 1.64 | 0.05 | 0.37 | 2.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 83 | 47.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.54 | 6.51 | 0.00 | 6.51 | 0.00 | 1.64 | 0.05 | 0.36 | 2.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 84 | 47.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.54 | 6.51 | 0.00 | 6.51 | 0.00 | 1.63 | 0.05 | 0.36 | 2.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 85 | 47.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.55 | 6.52 | 0.00 | 6.52 | 0.00 | 1.63 | 0.05 | 0.35 | 2.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 86 | 47.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.56 | 6.52 | 0.00 | 6.52 | 0.00 | 1.63 | 0.05 | 0.35 | 2.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 87 | 46.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.56 | 6.53 | 0.00 | 6.53 | 0.00 | 1.63 | 0.05 | 0.34 | 2.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 88 | 46.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.57 | 6.53 | 0.00 | 6.53 | 0.00 | 1.62 | 0.05 | 0.34 | 2.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 89 | 46.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.57 | 6.54 | 0.00 | 6.54 | 0.00 | 1.62 | 0.05 | 0.34 | 2.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 90 | 46.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.58 | 6.54 | 0.00 | 6.54 | 0.00 | 1.62 | 0.05 | 0.33 | 2.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 91 | 46.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.59 | 6.55 | 0.00 | 6.55 | 0.00 | 1.62 | 0.05 | 0.33 | 1.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 92 | 46.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.59 | 6.55 | 0.00 | 6.55 | 0.00 | 1.61 | 0.05 | 0.32 | 1.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 93 | 46.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.60 | 6.55 | 0.00 | 6.55 | 0.00 | 1.61 | 0.05 | 0.32 | 1.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 94 | 46.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.61 | 6.56 | 0.00 | 6.56 | 0.00 | 1.61 | 0.05 | 0.32 | 1.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 95 | 46.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.62 | 6.56 | 0.00 | 6.56 | 0.00 | 1.61 | 0.05 | 0.31 | 1.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 96 | 46.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.62 | 6.57 | 0.00 | 6.57 | 0.00 | 1.60 | 0.05 | 0.31 | 1.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 97 | 45.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.63 | 6.57 | 0.00 | 6.57 | 0.00 | 1.60 | 0.05 | 0.31 | 1.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 98 | 45.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.64 | 6.57 | 0.00 | 6.57 | 0.00 | 1.60 | 0.05 | 0.30 | 1.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 99 | 45.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.64 | 6.58 | 0.00 | 6.58 | 0.00 | 1.60 | 0.05 | 0.30 | 1.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 100 | 45.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.65 | 6.58 | 0.00 | 6.58 | 0.00 | 1.60 | 0.05 | 0.30 | 1.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 101 | 45.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.66 | 6.58 | 0.00 | 6.58 | 0.00 | 1.59 | 0.05 | 0.29 | 1.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 102 | 45.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.67 | 6.59 | 0.00 | 6.59 | 0.00 | 1.59 | 0.05 | 0.29 | 1.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 103 | 45.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.67 | 6.59 | 0.00 | 6.59 | 0.00 | 1.59 | 0.05 | 0.29 | 1.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 104 | 45.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.68 | 6.59 | 0.00 | 6.59 | 0.00 | 1.59 | 0.05 | 0.29 | 1.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 105 | 45.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.69 | 6.60 | 0.00 | 6.60 | 0.00 | 1.59 | 0.04 | 0.28 | 1.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 106 | 45.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.70 | 6.60 | 0.00 | 6.60 | 0.00 | 1.58 | 0.04 | 0.28 | 1.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 107 | 44.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.71 | 6.60 | 0.00 | 6.60 | 0.00 | 1.58 | 0.04 | 0.28 | 1.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 108 | 44.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.71 | 6.60 | 0.00 | 6.60 | 0.00 | 1.58 | 0.04 | 0.27 | 1.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 109 | 44.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.72 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.27 | 1.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 110 | 44.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.73 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.27 | 1.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 111 | 44.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.74 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.27 | 1.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 112 | 44.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.74 | 6.61 | 0.00 | 6.61 | 0.00 | 1.58 | 0.04 | 0.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 113 | 44.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.75 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 114 | 44.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.76 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 115 | 44.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.77 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 116 | 44.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.77 | 6.62 | 0.00 | 6.62 | 0.00 | 1.57 | 0.04 | 0.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 117 | 43.900 | 29.00 | 0.00 | 0.00 | 0.00 | 4.78 | 6.63 | 0.00 | 6.63 | 0.00 | 1.57 | 0.04 | 0.25 | 1.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 118 | 43.800 | 29.00 | 0.00 | 0.00 | 0.00 | 4.79 | 6.63 | 0.00 | 6.63 | 0.00 | 1.57 | 0.04 | 0.25 | 1.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 119 | 43.700 | 29.00 | 0.00 | 0.00 | 0.00 | 4.80 | 6.63 | 0.00 | 6.63 | 0.00 | 1.57 | 0.04 | 0.25 | 1.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 120 | 43.600 | 29.00 | 0.00 | 0.00 | 0.00 | 4.81 | 6.63 | 0.00 | 6.63 | 0.00 | 1.56 | 0.04 | 0.25 | 1.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 121 | 43.500 | 29.00 | 0.00 | 0.00 | 0.00 | 4.81 | 6.63 | 0.00 | 6.63 | 0.00 | 1.56 | 0.04 | 0.24 | 1.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 122 | 43.400 | 29.00 | 0.00 | 0.00 | 0.00 | 4.82 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 123 | 43.300 | 29.00 | 0.00 | 0.00 | 0.00 | 4.83 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 124 | 43.200 | 29.00 | 0.00 | 0.00 | 0.00 | 4.84 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 125 | 43.100 | 29.00 | 0.00 | 0.00 | 0.00 | 4.84 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 1.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 5 Choctaw Bayou #1 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | UPR RCH | 0.67955 | 29.00 | 0.00 | 0.00 | 0.00 | 4.84 | 6.64 | 0.00 | 6.64 | 0.00 | 1.56 | 0.04 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | TRIB | 0.25756 | 29.00 | 0.00 | 0.00 | 0.00 | 4.21 | 30.63 | 0.00 | 30.63 | 0.00 | 2.40 | 0.07 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | WSTLD | 0.37939 | 26.50 | 0.00 | 0.00 | 0.00 | 3.60 | 9.90 | 0.00 | 9.90 | 0.00 | 1.00 | 0.10 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | WSTLD | 0.00022 | 29.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.20 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m≥/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME AREA m≤ | SURFACE AREA m≤ | PRISM m≥ | X-SECT VELO m/s | VELO m≤/s | TIDAL | TIDAL | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | 43.10 | 43.00 | 0.93711 | 0.3 | 0.01148 | 0.10 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.011 | | |
| 230 | 43.00 | 42.90 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 231 | 42.90 | 42.80 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 232 | 42.80 | 42.70 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 233 | 42.70 | 42.60 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 234 | 42.60 | 42.50 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 235 | 42.50 | 42.40 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 236 | 42.40 | 42.30 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 237 | 42.30 | 42.20 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 238 | 42.20 | 42.10 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 239 | 42.10 | 42.00 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 240 | 42.00 | 41.90 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 241 | 41.90 | 41.80 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 242 | 41.80 | 41.70 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 243 | 41.70 | 41.60 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 244 | 41.60 | 41.50 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 245 | 41.50 | 41.40 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 246 | 41.40 | 41.30 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 247 | 41.30 | 41.20 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 248 | 41.20 | 41.10 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 249 | 41.10 | 41.00 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 250 | 41.00 | 40.90 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 251 | 40.90 | 40.80 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 252 | 40.80 | 40.70 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 253 | 40.70 | 40.60 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 254 | 40.60 | 40.50 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 255 | 40.50 | 40.40 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 256 | 40.40 | 40.30 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 257 | 40.30 | 40.20 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 258 | 40.20 | 40.10 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 259 | 40.10 | 40.00 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 260 | 40.00 | 39.90 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 261 | 39.90 | 39.80 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 262 | 39.80 | 39.70 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 263 | 39.70 | 39.60 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |
| 264 | 39.60 | 39.50 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 265 | 39.50 | 39.40 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| 266 | 39.40 | 39.30 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| 267 | 39.30 | 39.20 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| 268 | 39.20 | 39.10 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| 269 | 39.10 | 39.00 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| 270 | 39.00 | 38.90 | 1.31650 | 29.0 | 0.01613 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| 271 | 38.90 | 38.80 | 1.31672 | 29.0 | 0.01614 | 0.07 | 2.40 | 34.00 | 8160.00 | 3400.00 | 81.60 | 0.00 | 0.000 | 0.000 | 0.016 |
| TOT | | | | | 3.11 | | | 350880.03 | 146200.00 | | | | | | |
| AVG | | | | | 0.0160 | | 2.40 | 34.00 | | | 81.60 | | | | |
| CUM | | | | | 6.86 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | 43.000 | 7.68 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.31 | 5.31 | 5.31 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 42.900 | 7.68 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.32 | 5.32 | 5.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 42.800 | 7.67 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.34 | 5.34 | 5.34 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 42.700 | 7.66 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.36 | 5.36 | 5.36 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 42.600 | 7.66 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.38 | 5.38 | 5.38 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 42.500 | 7.65 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.40 | 5.40 | 5.40 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 42.400 | 7.64 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.41 | 5.41 | 5.41 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 42.300 | 7.63 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.43 | 5.43 | 5.43 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 42.200 | 7.63 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.45 | 5.45 | 5.45 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 42.100 | 7.62 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.47 | 5.47 | 5.47 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 42.000 | 7.61 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.49 | 5.49 | 5.49 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 41.900 | 7.61 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.51 | 5.51 | 5.51 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 41.800 | 7.60 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.52 | 5.52 | 5.52 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 41.700 | 7.59 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.54 | 5.54 | 5.54 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 41.600 | 7.58 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | 5.56 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 41.500 | 7.58 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.58 | 5.58 | 5.58 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 41.400 | 7.57 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 5.60 | 5.60 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 41.300 | 7.56 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.62 | 5.62 | 5.62 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 41.200 | 7.56 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.64 | 5.64 | 5.64 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 41.100 | 7.55 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.66 | 5.66 | 5.66 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 41.000 | 7.54 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 40.900 | 7.54 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.69 | 5.69 | 5.69 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 40.800 | 7.53 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.71 | 5.71 | 5.71 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 40.700 | 7.52 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.73 | 5.73 | 5.73 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 40.600 | 7.51 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.75 | 5.75 | 5.75 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 40.500 | 7.51 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.77 | 5.77 | 5.77 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 40.400 | 7.50 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.79 | 5.79 | 5.79 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 40.300 | 7.49 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.81 | 5.81 | 5.81 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 40.200 | 7.49 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 5.83 | 5.83 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 40.100 | 7.48 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.85 | 5.85 | 5.85 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 40.000 | 7.47 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.87 | 5.87 | 5.87 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 39.900 | 7.47 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.89 | 5.89 | 5.89 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 39.800 | 7.46 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.91 | 5.91 | 5.91 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 262 | 39.700 | 7.45 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.93 | 5.93 | 5.93 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 39.600 | 7.45 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.95 | 5.95 | 5.95 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 39.500 | 7.44 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.97 | 5.97 | 5.97 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 39.400 | 7.43 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.99 | 5.99 | 5.99 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 39.300 | 7.43 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.01 | 6.01 | 6.01 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 39.200 | 7.42 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.03 | 6.03 | 6.03 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 39.100 | 7.41 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.05 | 6.05 | 6.05 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 39.000 | 7.41 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.07 | 6.07 | 6.07 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 38.900 | 7.40 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.09 | 6.09 | 6.09 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 38.800 | 7.39 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.11 | 6.11 | 6.11 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.29 0.11 0.00 0.00 0.00 0.00 0.00 3.00 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | 43.000 | 29.05 | 0.00 | 0.00 | 0.00 | 4.34 | 13.25 | 0.00 | 13.25 | 0.00 | 1.79 | 0.05 | 0.40 | 2.24 | 0.00 | 1.53 | 0.00 | 0. | 0.00 |
| 230 | 42.900 | 29.11 | 0.00 | 0.00 | 0.00 | 3.93 | 12.30 | 0.00 | 12.30 | 0.00 | 1.56 | 0.07 | 0.57 | 2.20 | 0.00 | 3.07 | 0.00 | 0. | 0.00 |
| 231 | 42.800 | 29.16 | 0.00 | 0.00 | 0.00 | 3.73 | 12.32 | 0.00 | 12.32 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 4.60 | 0.00 | 0. | 0.00 |
| 232 | 42.700 | 29.21 | 0.00 | 0.00 | 0.00 | 3.55 | 12.34 | 0.00 | 12.34 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 6.14 | 0.00 | 0. | 0.00 |
| 233 | 42.600 | 29.27 | 0.00 | 0.00 | 0.00 | 3.38 | 12.36 | 0.00 | 12.36 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 7.67 | 0.00 | 0. | 0.00 |
| 234 | 42.500 | 29.32 | 0.00 | 0.00 | 0.00 | 3.22 | 12.38 | 0.00 | 12.38 | 0.00 | 1.55 | 0.07 | 0.57 | 2.19 | 0.00 | 9.21 | 0.00 | 0. | 0.00 |
| 235 | 42.400 | 29.37 | 0.00 | 0.00 | 0.00 | 3.08 | 12.39 | 0.00 | 12.39 | 0.00 | 1.54 | 0.07 | 0.57 | 2.19 | 0.00 | 10.74 | 0.00 | 0. | 0.00 |
| 236 | 42.300 | 29.43 | 0.00 | 0.00 | 0.00 | 2.94 | 12.41 | 0.00 | 12.41 | 0.00 | 1.54 | 0.07 | 0.57 | 2.18 | 0.00 | 12.28 | 0.00 | 0. | 0.00 |
| 237 | 42.200 | 29.48 | 0.00 | 0.00 | 0.00 | 2.82 | 12.43 | 0.00 | 12.43 | 0.00 | 1.54 | 0.08 | 0.57 | 2.18 | 0.00 | 13.81 | 0.00 | 0. | 0.00 |
| 238 | 42.100 | 29.53 | 0.00 | 0.00 | 0.00 | 2.70 | 12.44 | 0.00 | 12.44 | 0.00 | 1.54 | 0.08 | 0.56 | 2.17 | 0.00 | 15.35 | 0.00 | 0. | 0.00 |
| 239 | 42.000 | 29.59 | 0.00 | 0.00 | 0.00 | 2.60 | 12.46 | 0.00 | 12.46 | 0.00 | 1.53 | 0.08 | 0.56 | 2.17 | 0.00 | 16.88 | 0.00 | 0. | 0.00 |
| 240 | 41.900 | 29.64 | 0.00 | 0.00 | 0.00 | 2.50 | 12.47 | 0.00 | 12.47 | 0.00 | 1.53 | 0.08 | 0.56 | 2.16 | 0.00 | 18.42 | 0.00 | 0. | 0.00 |
| 241 | 41.800 | 29.70 | 0.00 | 0.00 | 0.00 | 2.42 | 12.49 | 0.00 | 12.49 | 0.00 | 1.53 | 0.08 | 0.55 | 2.16 | 0.00 | 19.95 | 0.00 | 0. | 0.00 |
| 242 | 41.700 | 29.75 | 0.00 | 0.00 | 0.00 | 2.34 | 12.50 | 0.00 | 12.50 | 0.00 | 1.52 | 0.08 | 0.55 | 2.15 | 0.00 | 21.49 | 0.00 | 0. | 0.00 |
| 243 | 41.600 | 29.80 | 0.00 | 0.00 | 0.00 | 2.27 | 12.51 | 0.00 | 12.51 | 0.00 | 1.52 | 0.08 | 0.54 | 2.15 | 0.00 | 23.02 | 0.00 | 0. | 0.00 |
| 244 | 41.500 | 29.86 | 0.00 | 0.00 | 0.00 | 2.22 | 12.52 | 0.00 | 12.52 | 0.00 | 1.52 | 0.08 | 0.54 | 2.14 | 0.00 | 24.56 | 0.00 | 0. | 0.00 |
| 245 | 41.400 | 29.91 | 0.00 | 0.00 | 0.00 | 2.17 | 12.54 | 0.00 | 12.54 | 0.00 | 1.52 | 0.08 | 0.53 | 2.13 | 0.00 | 26.09 | 0.00 | 0. | 0.00 |
| 246 | 41.300 | 29.96 | 0.00 | 0.00 | 0.00 | 2.13 | 12.55 | 0.00 | 12.55 | 0.00 | 1.51 | 0.08 | 0.53 | 2.12 | 0.00 | 27.63 | 0.00 | 0. | 0.00 |
| 247 | 41.200 | 30.02 | 0.00 | 0.00 | 0.00 | 2.10 | 12.56 | 0.00 | 12.56 | 0.00 | 1.51 | 0.08 | 0.52 | 2.12 | 0.00 | 29.16 | 0.00 | 0. | 0.00 |
| 248 | 41.100 | 30.07 | 0.00 | 0.00 | 0.00 | 2.08 | 12.57 | 0.00 | 12.57 | 0.00 | 1.51 | 0.08 | 0.51 | 2.11 | 0.00 | 30.70 | 0.00 | 0. | 0.00 |
| 249 | 41.000 | 30.12 | 0.00 | 0.00 | 0.00 | 2.06 | 12.58 | 0.00 | 12.58 | 0.00 | 1.51 | 0.09 | 0.51 | 2.10 | 0.00 | 32.23 | 0.00 | 0. | 0.00 |
| 250 | 40.900 | 30.18 | 0.00 | 0.00 | 0.00 | 2.06 | 12.59 | 0.00 | 12.59 | 0.00 | 1.50 | 0.09 | 0.50 | 2.09 | 0.00 | 33.77 | 0.00 | 0. | 0.00 |
| 251 | 40.800 | 30.23 | 0.00 | 0.00 | 0.00 | 2.06 | 12.60 | 0.00 | 12.60 | 0.00 | 1.50 | 0.09 | 0.49 | 2.08 | 0.00 | 35.30 | 0.00 | 0. | 0.00 |
| 252 | 40.700 | 30.28 | 0.00 | 0.00 | 0.00 | 2.07 | 12.60 | 0.00 | 12.60 | 0.00 | 1.50 | 0.09 | 0.48 | 2.07 | 0.00 | 36.84 | 0.00 | 0. | 0.00 |
| 253 | 40.600 | 30.34 | 0.00 | 0.00 | 0.00 | 2.09 | 12.61 | 0.00 | 12.61 | 0.00 | 1.50 | 0.09 | 0.47 | 2.06 | 0.00 | 38.37 | 0.00 | 0. | 0.00 |
| 254 | 40.500 | 30.39 | 0.00 | 0.00 | 0.00 | 2.12 | 12.62 | 0.00 | 12.62 | 0.00 | 1.49 | 0.09 | 0.46 | 2.04 | 0.00 | 39.91 | 0.00 | 0. | 0.00 |
| 255 | 40.400 | 30.44 | 0.00 | 0.00 | 0.00 | 2.15 | 12.62 | 0.00 | 12.62 | 0.00 | 1.49 | 0.09 | 0.45 | 2.03 | 0.00 | 41.44 | 0.00 | 0. | 0.00 |
| 256 | 40.300 | 30.50 | 0.00 | 0.00 | 0.00 | 2.19 | 12.63 | 0.00 | 12.63 | 0.00 | 1.49 | 0.09 | 0.44 | 2.02 | 0.00 | 42.98 | 0.00 | 0. | 0.00 |
| 257 | 40.200 | 30.55 | 0.00 | 0.00 | 0.00 | 2.24 | 12.64 | 0.00 | 12.64 | 0.00 | 1.49 | 0.09 | 0.43 | 2.01 | 0.00 | 44.51 | 0.00 | 0. | 0.00 |
| 258 | 40.100 | 30.60 | 0.00 | 0.00 | 0.00 | 2.29 | 12.64 | 0.00 | 12.64 | 0.00 | 1.48 | 0.09 | 0.42 | 1.99 | 0.00 | 46.05 | 0.00 | 0. | 0.00 |
| 259 | 40.000 | 30.66 | 0.00 | 0.00 | 0.00 | 2.35 | 12.65 | 0.00 | 12.65 | 0.00 | 1.48 | 0.09 | 0.41 | 1.98 | 0.00 | 47.58 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 260 | 39.900 | 30.71 | 0.00 | 0.00 | 0.00 | 2.42 | 12.65 | 0.00 | 12.65 | 0.00 | 1.48 | 0.09 | 0.40 | 1.97 | 0.00 | 49.12 | 0.00 | 0. | 0.00 |
| 261 | 39.800 | 30.77 | 0.00 | 0.00 | 0.00 | 2.49 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.38 | 1.95 | 0.00 | 50.65 | 0.00 | 0. | 0.00 |
| 262 | 39.700 | 30.82 | 0.00 | 0.00 | 0.00 | 2.57 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.37 | 1.94 | 0.00 | 52.19 | 0.00 | 0. | 0.00 |
| 263 | 39.600 | 30.87 | 0.00 | 0.00 | 0.00 | 2.66 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.36 | 1.92 | 0.00 | 53.72 | 0.00 | 0. | 0.00 |
| 264 | 39.500 | 30.93 | 0.00 | 0.00 | 0.00 | 2.75 | 12.66 | 0.00 | 12.66 | 0.00 | 1.47 | 0.09 | 0.34 | 1.90 | 0.00 | 55.26 | 0.00 | 0. | 0.00 |
| 265 | 39.400 | 30.98 | 0.00 | 0.00 | 0.00 | 2.85 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.33 | 1.89 | 0.00 | 56.79 | 0.00 | 0. | 0.00 |
| 266 | 39.300 | 31.03 | 0.00 | 0.00 | 0.00 | 2.96 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.31 | 1.87 | 0.00 | 58.33 | 0.00 | 0. | 0.00 |
| 267 | 39.200 | 31.09 | 0.00 | 0.00 | 0.00 | 3.07 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.30 | 1.85 | 0.00 | 59.86 | 0.00 | 0. | 0.00 |
| 268 | 39.100 | 31.14 | 0.00 | 0.00 | 0.00 | 3.19 | 12.67 | 0.00 | 12.67 | 0.00 | 1.46 | 0.09 | 0.28 | 1.83 | 0.00 | 61.40 | 0.00 | 0. | 0.00 |
| 269 | 39.000 | 31.19 | 0.00 | 0.00 | 0.00 | 3.31 | 12.67 | 0.00 | 12.67 | 0.00 | 1.45 | 0.09 | 0.27 | 1.81 | 0.00 | 62.93 | 0.00 | 0. | 0.00 |
| 270 | 38.900 | 31.25 | 0.00 | 0.00 | 0.00 | 3.44 | 12.67 | 0.00 | 12.67 | 0.00 | 1.45 | 0.09 | 0.25 | 1.79 | 0.00 | 64.47 | 0.00 | 0. | 0.00 |
| 271 | 38.800 | 31.30 | 0.00 | 0.00 | 0.00 | 3.57 | 12.68 | 0.00 | 12.68 | 0.00 | 1.45 | 0.09 | 0.23 | 1.77 | 0.00 | 66.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 8 Choctaw Bayou #2 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN µg/L | NH3 | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 347 | UPR RCH | 1.31672 | 31.30 | 0.00 | 0.00 | 0.00 | 3.57 | 12.68 | 0.00 | 12.68 | 0.00 | 1.45 | 0.09 | 0.23 | 0.00 | 66.00 | 0.00 | 0.00 |
| 347 | TRIB | 0.00915 | 31.30 | 0.00 | 0.00 | 0.00 | 5.59 | 6.84 | 0.00 | 6.84 | 0.00 | 2.02 | 0.05 | 0.00 | 0.00 | 66.00 | 0.00 | 0.00 |
| 366 | WSTLD | 0.23500 | 27.60 | 0.00 | 0.00 | 0.00 | 3.10 | 4.30 | 0.00 | 4.30 | 0.00 | 1.50 | 1.50 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | WSTLD | 0.01882 | 27.60 | 0.00 | 0.00 | 0.00 | 3.10 | 27.70 | 0.00 | 27.70 | 0.00 | 1.50 | 1.50 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | AREA m≤ | PRISM m≥ | SURFACE VELO m/s | X-SECT VELO m≤/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 347 | 38.80 | 38.70 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 348 | 38.70 | 38.60 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 349 | 38.60 | 38.50 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 350 | 38.50 | 38.40 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 351 | 38.40 | 38.30 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 352 | 38.30 | 38.20 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 353 | 38.20 | 38.10 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 354 | 38.10 | 38.00 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 355 | 38.00 | 37.90 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 356 | 37.90 | 37.80 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 357 | 37.80 | 37.70 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 358 | 37.70 | 37.60 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 359 | 37.60 | 37.50 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 360 | 37.50 | 37.40 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 361 | 37.40 | 37.30 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 362 | 37.30 | 37.20 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 363 | 37.20 | 37.10 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 364 | 37.10 | 37.00 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 365 | 37.00 | 36.90 | 1.32587 | 29.0 | 0.01007 | 0.11 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 366 | 36.90 | 36.80 | 1.56087 | 39.7 | 0.01186 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 | | |
| 367 | 36.80 | 36.70 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 368 | 36.70 | 36.60 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 369 | 36.60 | 36.50 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 370 | 36.50 | 36.40 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 371 | 36.40 | 36.30 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 372 | 36.30 | 36.20 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 373 | 36.20 | 36.10 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 374 | 36.10 | 36.00 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 375 | 36.00 | 35.90 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 376 | 35.90 | 35.80 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 377 | 35.80 | 35.70 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 378 | 35.70 | 35.60 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 379 | 35.60 | 35.50 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 380 | 35.50 | 35.40 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 381 | 35.40 | 35.30 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 382 | 35.30 | 35.20 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 383 | 35.20 | 35.10 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 384 | 35.10 | 35.00 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 385 | 35.00 | 34.90 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 386 | 34.90 | 34.80 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 387 | 34.80 | 34.70 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 388 | 34.70 | 34.60 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 389 | 34.60 | 34.50 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 390 | 34.50 | 34.40 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 391 | 34.40 | 34.30 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 392 | 34.30 | 34.20 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 393 | 34.20 | 34.10 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 394 | 34.10 | 34.00 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 395 | 34.00 | 33.90 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 396 | 33.90 | 33.80 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 397 | 33.80 | 33.70 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 398 | 33.70 | 33.60 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 399 | 33.60 | 33.50 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 400 | 33.50 | 33.40 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 401 | 33.40 | 33.30 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 402 | 33.30 | 33.20 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 403 | 33.20 | 33.10 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 404 | 33.10 | 33.00 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 405 | 33.00 | 32.90 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 406 | 32.90 | 32.80 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 407 | 32.80 | 32.70 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 408 | 32.70 | 32.60 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 409 | 32.60 | 32.50 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 410 | 32.50 | 32.40 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 411 | 32.40 | 32.30 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 412 | 32.30 | 32.20 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 413 | 32.20 | 32.10 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 414 | 32.10 | 32.00 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 415 | 32.00 | 31.90 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 416 | 31.90 | 31.80 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 417 | 31.80 | 31.70 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 31.70 | 31.60 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |
| 419 | 31.60 | 31.50 | 1.57969 | 40.4 | 0.01200 | 0.10 | 2.80 | 47.00 | 13160.00 | 4700.00 | 131.60 | 0.00 | 0.000 | 0.000 | 0.012 |

| | | | | | | |
|---|---|---|---|---|---|---|
| TOT | | | 7.39 | | 960679.94 | 343100.00 |
| AVG | | 0.0114 | | 2.80 | 47.00 | 131.60 |
| CUM | | | 14.25 | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 347 | 38.700 | 7.39 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 5.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 38.600 | 7.39 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 38.500 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 5.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 38.400 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 38.300 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 38.200 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 38.100 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 38.000 | 7.40 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 37.900 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 37.800 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 37.700 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 37.600 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 37.500 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 37.400 | 7.41 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 37.300 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 37.200 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 37.100 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 37.000 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 36.900 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 36.800 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 36.700 | 7.42 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 36.600 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 36.500 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 36.400 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 36.300 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 36.200 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 36.100 | 7.43 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 36.000 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 35.900 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 35.800 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 35.700 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 35.600 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 35.500 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 35.400 | 7.44 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 35.300 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 35.200 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 35.100 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 35.000 | 7.45 | 0.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 385 | 34.900 | 7.45 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 34.800 | 7.45 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 34.700 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 34.600 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 34.500 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 34.400 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 34.300 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 34.200 | 7.46 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 34.100 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 34.000 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 33.900 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 33.800 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 33.700 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 33.600 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 33.500 | 7.47 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 33.400 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 33.300 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.02 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 33.200 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 33.100 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 33.000 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 32.900 | 7.48 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.02 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 32.800 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 407 | 32.700 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 32.600 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 32.500 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 32.400 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 32.300 | 7.49 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 32.200 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 32.100 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 32.000 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 31.900 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 31.800 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 31.700 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 31.600 | 7.50 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 31.500 | 7.51 | 0.30 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.25 0.11 0.00 0.00 0.00 0.00 0.00 1.00 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 347 | 38.700 | 31.29 | 0.00 | 0.00 | 0.00 | 3.96 | 12.58 | 0.00 | 12.58 | 0.00 | 1.45 | 0.09 | 0.20 | 1.74 | 0.00 | 65.10 | 0.00 | 0. | 0.00 |
| 348 | 38.600 | 31.28 | 0.00 | 0.00 | 0.00 | 4.32 | 12.53 | 0.00 | 12.53 | 0.00 | 1.44 | 0.09 | 0.18 | 1.71 | 0.00 | 64.19 | 0.00 | 0. | 0.00 |
| 349 | 38.500 | 31.26 | 0.00 | 0.00 | 0.00 | 4.66 | 12.48 | 0.00 | 12.48 | 0.00 | 1.44 | 0.09 | 0.15 | 1.68 | 0.00 | 63.29 | 0.00 | 0. | 0.00 |
| 350 | 38.400 | 31.25 | 0.00 | 0.00 | 0.00 | 4.98 | 12.44 | 0.00 | 12.44 | 0.00 | 1.44 | 0.09 | 0.12 | 1.65 | 0.00 | 62.38 | 0.00 | 0. | 0.00 |
| 351 | 38.300 | 31.24 | 0.00 | 0.00 | 0.00 | 5.28 | 12.39 | 0.00 | 12.39 | 0.00 | 1.43 | 0.09 | 0.10 | 1.62 | 0.00 | 61.48 | 0.00 | 0. | 0.00 |
| 352 | 38.200 | 31.23 | 0.00 | 0.00 | 0.00 | 5.56 | 12.34 | 0.00 | 12.34 | 0.00 | 1.43 | 0.09 | 0.08 | 1.59 | 0.00 | 60.58 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 353 | 38.100 | 31.21 | 0.00 | 0.00 | 0.00 | 5.83 | 12.30 | 0.00 | 12.30 | 0.00 | 1.42 | 0.09 | 0.05 | 1.56 | 0.00 | 59.67 | 0.00 | 0. | 0.00 |
| 354 | 38.000 | 31.20 | 0.00 | 0.00 | 0.00 | 6.08 | 12.25 | 0.00 | 12.25 | 0.00 | 1.42 | 0.09 | 0.03 | 1.54 | 0.00 | 58.77 | 0.00 | 0. | 0.00 |
| 355 | 37.900 | 31.19 | 0.00 | 0.00 | 0.00 | 6.31 | 12.21 | 0.00 | 12.21 | 0.00 | 1.42 | 0.09 | 0.00 | 1.51 | 0.00 | 57.86 | 0.00 | 0. | 0.00 |
| 356 | 37.800 | 31.18 | 0.00 | 0.00 | 0.00 | 6.53 | 12.17 | 0.00 | 12.17 | 0.00 | 1.41 | 0.09 | 0.00 | 1.50 | 0.00 | 56.96 | 0.00 | 0. | 0.00 |
| 357 | 37.700 | 31.16 | 0.00 | 0.00 | 0.00 | 6.73 | 12.13 | 0.00 | 12.13 | 0.00 | 1.41 | 0.09 | 0.00 | 1.49 | 0.00 | 56.05 | 0.00 | 0. | 0.00 |
| 358 | 37.600 | 31.15 | 0.00 | 0.00 | 0.00 | 6.92 | 12.09 | 0.00 | 12.09 | 0.00 | 1.40 | 0.09 | 0.00 | 1.49 | 0.00 | 55.15 | 0.00 | 0. | 0.00 |
| 359 | 37.500 | 31.14 | 0.00 | 0.00 | 0.00 | 7.09 | 12.05 | 0.00 | 12.05 | 0.00 | 1.40 | 0.08 | 0.00 | 1.48 | 0.00 | 54.25 | 0.00 | 0. | 0.00 |
| 360 | 37.400 | 31.13 | 0.00 | 0.00 | 0.00 | 7.25 | 12.01 | 0.00 | 12.01 | 0.00 | 1.40 | 0.08 | 0.00 | 1.48 | 0.00 | 53.34 | 0.00 | 0. | 0.00 |
| 361 | 37.300 | 31.12 | 0.00 | 0.00 | 0.00 | 7.40 | 11.98 | 0.00 | 11.98 | 0.00 | 1.39 | 0.08 | 0.00 | 1.48 | 0.00 | 52.44 | 0.00 | 0. | 0.00 |
| 362 | 37.200 | 31.10 | 0.00 | 0.00 | 0.00 | 7.54 | 11.94 | 0.00 | 11.94 | 0.00 | 1.39 | 0.08 | 0.00 | 1.47 | 0.00 | 51.53 | 0.00 | 0. | 0.00 |
| 363 | 37.100 | 31.09 | 0.00 | 0.00 | 0.00 | 7.66 | 11.90 | 0.00 | 11.90 | 0.00 | 1.38 | 0.08 | 0.00 | 1.47 | 0.00 | 50.63 | 0.00 | 0. | 0.00 |
| 364 | 37.000 | 31.08 | 0.00 | 0.00 | 0.00 | 7.77 | 11.87 | 0.00 | 11.87 | 0.00 | 1.38 | 0.08 | 0.00 | 1.46 | 0.00 | 49.73 | 0.00 | 0. | 0.00 |
| 365 | 36.900 | 31.07 | 0.00 | 0.00 | 0.00 | 7.87 | 11.84 | 0.00 | 11.84 | 0.00 | 1.38 | 0.08 | 0.00 | 1.46 | 0.00 | 48.82 | 0.00 | 0. | 0.00 |
| 366 | 36.800 | 31.05 | 0.00 | 0.00 | 0.00 | 7.23 | 10.69 | 0.00 | 10.69 | 0.00 | 1.39 | 0.28 | 0.00 | 1.68 | 0.00 | 47.92 | 0.00 | 0. | 0.00 |
| 367 | 36.700 | 31.04 | 0.00 | 0.00 | 0.00 | 7.24 | 10.89 | 0.00 | 10.89 | 0.00 | 1.39 | 0.29 | 0.00 | 1.68 | 0.00 | 47.01 | 0.00 | 0. | 0.00 |
| 368 | 36.600 | 31.03 | 0.00 | 0.00 | 0.00 | 7.30 | 10.88 | 0.00 | 10.88 | 0.00 | 1.39 | 0.28 | 0.00 | 1.67 | 0.00 | 46.11 | 0.00 | 0. | 0.00 |
| 369 | 36.500 | 31.02 | 0.00 | 0.00 | 0.00 | 7.35 | 10.86 | 0.00 | 10.86 | 0.00 | 1.38 | 0.27 | 0.00 | 1.65 | 0.00 | 45.21 | 0.00 | 0. | 0.00 |
| 370 | 36.400 | 31.00 | 0.00 | 0.00 | 0.00 | 7.39 | 10.85 | 0.00 | 10.85 | 0.00 | 1.38 | 0.26 | 0.00 | 1.64 | 0.00 | 44.30 | 0.00 | 0. | 0.00 |
| 371 | 36.300 | 30.99 | 0.00 | 0.00 | 0.00 | 7.43 | 10.84 | 0.00 | 10.84 | 0.00 | 1.38 | 0.25 | 0.00 | 1.63 | 0.00 | 43.40 | 0.00 | 0. | 0.00 |
| 372 | 36.200 | 30.98 | 0.00 | 0.00 | 0.00 | 7.46 | 10.83 | 0.00 | 10.83 | 0.00 | 1.37 | 0.25 | 0.00 | 1.62 | 0.00 | 42.49 | 0.00 | 0. | 0.00 |
| 373 | 36.100 | 30.97 | 0.00 | 0.00 | 0.00 | 7.48 | 10.83 | 0.00 | 10.83 | 0.00 | 1.37 | 0.24 | 0.00 | 1.61 | 0.00 | 41.59 | 0.00 | 0. | 0.00 |
| 374 | 36.000 | 30.95 | 0.00 | 0.00 | 0.00 | 7.50 | 10.82 | 0.00 | 10.82 | 0.00 | 1.37 | 0.23 | 0.00 | 1.60 | 0.00 | 40.68 | 0.00 | 0. | 0.00 |
| 375 | 35.900 | 30.94 | 0.00 | 0.00 | 0.00 | 7.51 | 10.81 | 0.00 | 10.81 | 0.00 | 1.36 | 0.22 | 0.00 | 1.59 | 0.00 | 39.78 | 0.00 | 0. | 0.00 |
| 376 | 35.800 | 30.93 | 0.00 | 0.00 | 0.00 | 7.52 | 10.80 | 0.00 | 10.80 | 0.00 | 1.36 | 0.22 | 0.00 | 1.58 | 0.00 | 38.88 | 0.00 | 0. | 0.00 |
| 377 | 35.700 | 30.92 | 0.00 | 0.00 | 0.00 | 7.52 | 10.79 | 0.00 | 10.79 | 0.00 | 1.36 | 0.21 | 0.00 | 1.57 | 0.00 | 37.97 | 0.00 | 0. | 0.00 |
| 378 | 35.600 | 30.91 | 0.00 | 0.00 | 0.00 | 7.52 | 10.78 | 0.00 | 10.78 | 0.00 | 1.35 | 0.20 | 0.00 | 1.56 | 0.00 | 37.07 | 0.00 | 0. | 0.00 |
| 379 | 35.500 | 30.89 | 0.00 | 0.00 | 0.00 | 7.51 | 10.77 | 0.00 | 10.77 | 0.00 | 1.35 | 0.20 | 0.00 | 1.55 | 0.00 | 36.16 | 0.00 | 0. | 0.00 |
| 380 | 35.400 | 30.88 | 0.00 | 0.00 | 0.00 | 7.49 | 10.77 | 0.00 | 10.77 | 0.00 | 1.35 | 0.19 | 0.00 | 1.54 | 0.00 | 35.26 | 0.00 | 0. | 0.00 |
| 381 | 35.300 | 30.87 | 0.00 | 0.00 | 0.00 | 7.47 | 10.76 | 0.00 | 10.76 | 0.00 | 1.34 | 0.19 | 0.00 | 1.53 | 0.00 | 34.36 | 0.00 | 0. | 0.00 |
| 382 | 35.200 | 30.86 | 0.00 | 0.00 | 0.00 | 7.44 | 10.75 | 0.00 | 10.75 | 0.00 | 1.34 | 0.18 | 0.00 | 1.52 | 0.00 | 33.45 | 0.00 | 0. | 0.00 |
| 383 | 35.100 | 30.84 | 0.00 | 0.00 | 0.00 | 7.41 | 10.75 | 0.00 | 10.75 | 0.00 | 1.34 | 0.18 | 0.00 | 1.51 | 0.00 | 32.55 | 0.00 | 0. | 0.00 |
| 384 | 35.000 | 30.83 | 0.00 | 0.00 | 0.00 | 7.37 | 10.74 | 0.00 | 10.74 | 0.00 | 1.33 | 0.17 | 0.00 | 1.51 | 0.00 | 31.64 | 0.00 | 0. | 0.00 |
| 385 | 34.900 | 30.82 | 0.00 | 0.00 | 0.00 | 7.33 | 10.73 | 0.00 | 10.73 | 0.00 | 1.33 | 0.17 | 0.00 | 1.50 | 0.00 | 30.74 | 0.00 | 0. | 0.00 |
| 386 | 34.800 | 30.81 | 0.00 | 0.00 | 0.00 | 7.29 | 10.73 | 0.00 | 10.73 | 0.00 | 1.33 | 0.16 | 0.00 | 1.49 | 0.00 | 29.84 | 0.00 | 0. | 0.00 |
| 387 | 34.700 | 30.79 | 0.00 | 0.00 | 0.00 | 7.24 | 10.72 | 0.00 | 10.72 | 0.00 | 1.32 | 0.16 | 0.00 | 1.48 | 0.00 | 28.93 | 0.00 | 0. | 0.00 |
| 388 | 34.600 | 30.78 | 0.00 | 0.00 | 0.00 | 7.18 | 10.71 | 0.00 | 10.71 | 0.00 | 1.32 | 0.16 | 0.00 | 1.48 | 0.00 | 28.03 | 0.00 | 0. | 0.00 |
| 389 | 34.500 | 30.77 | 0.00 | 0.00 | 0.00 | 7.12 | 10.71 | 0.00 | 10.71 | 0.00 | 1.32 | 0.15 | 0.00 | 1.47 | 0.00 | 27.12 | 0.00 | 0. | 0.00 |
| 390 | 34.400 | 30.76 | 0.00 | 0.00 | 0.00 | 7.06 | 10.70 | 0.00 | 10.70 | 0.00 | 1.31 | 0.15 | 0.00 | 1.46 | 0.00 | 26.22 | 0.00 | 0. | 0.00 |
| 391 | 34.300 | 30.75 | 0.00 | 0.00 | 0.00 | 6.99 | 10.70 | 0.00 | 10.70 | 0.00 | 1.31 | 0.15 | 0.00 | 1.46 | 0.00 | 25.32 | 0.00 | 0. | 0.00 |
| 392 | 34.200 | 30.73 | 0.00 | 0.00 | 0.00 | 6.92 | 10.69 | 0.00 | 10.69 | 0.00 | 1.31 | 0.14 | 0.00 | 1.45 | 0.00 | 24.41 | 0.00 | 0. | 0.00 |
| 393 | 34.100 | 30.72 | 0.00 | 0.00 | 0.00 | 6.84 | 10.69 | 0.00 | 10.69 | 0.00 | 1.31 | 0.14 | 0.00 | 1.44 | 0.00 | 23.51 | 0.00 | 0. | 0.00 |
| 394 | 34.000 | 30.71 | 0.00 | 0.00 | 0.00 | 6.76 | 10.68 | 0.00 | 10.68 | 0.00 | 1.30 | 0.14 | 0.00 | 1.44 | 0.00 | 22.60 | 0.00 | 0. | 0.00 |
| 395 | 33.900 | 30.70 | 0.00 | 0.00 | 0.00 | 6.68 | 10.68 | 0.00 | 10.68 | 0.00 | 1.30 | 0.13 | 0.00 | 1.43 | 0.00 | 21.70 | 0.00 | 0. | 0.00 |
| 396 | 33.800 | 30.68 | 0.00 | 0.00 | 0.00 | 6.59 | 10.68 | 0.00 | 10.68 | 0.00 | 1.30 | 0.13 | 0.00 | 1.43 | 0.00 | 20.79 | 0.00 | 0. | 0.00 |
| 397 | 33.700 | 30.67 | 0.00 | 0.00 | 0.00 | 6.50 | 10.67 | 0.00 | 10.67 | 0.00 | 1.29 | 0.13 | 0.00 | 1.42 | 0.00 | 19.89 | 0.00 | 0. | 0.00 |
| 398 | 33.600 | 30.66 | 0.00 | 0.00 | 0.00 | 6.40 | 10.67 | 0.00 | 10.67 | 0.00 | 1.29 | 0.13 | 0.00 | 1.42 | 0.00 | 18.99 | 0.00 | 0. | 0.00 |
| 399 | 33.500 | 30.65 | 0.00 | 0.00 | 0.00 | 6.31 | 10.66 | 0.00 | 10.66 | 0.00 | 1.29 | 0.12 | 0.00 | 1.41 | 0.00 | 18.08 | 0.00 | 0. | 0.00 |
| 400 | 33.400 | 30.63 | 0.00 | 0.00 | 0.00 | 6.20 | 10.66 | 0.00 | 10.66 | 0.00 | 1.28 | 0.12 | 0.00 | 1.41 | 0.00 | 17.18 | 0.00 | 0. | 0.00 |
| 401 | 33.300 | 30.62 | 0.00 | 0.00 | 0.00 | 6.10 | 10.66 | 0.00 | 10.66 | 0.00 | 1.28 | 0.12 | 0.00 | 1.40 | 0.00 | 16.27 | 0.00 | 0. | 0.00 |
| 402 | 33.200 | 30.61 | 0.00 | 0.00 | 0.00 | 5.99 | 10.65 | 0.00 | 10.65 | 0.00 | 1.28 | 0.12 | 0.00 | 1.40 | 0.00 | 15.37 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 403 | 33.100 | 30.60 | 0.00 | 0.00 | 0.00 | 5.88 | 10.65 | 0.00 | 10.65 | 0.00 | 1.27 | 0.12 | 0.00 | 1.39 | 0.00 | 14.47 | 0.00 | 0. | 0.00 |
| 404 | 33.000 | 30.58 | 0.00 | 0.00 | 0.00 | 5.76 | 10.65 | 0.00 | 10.65 | 0.00 | 1.27 | 0.11 | 0.00 | 1.39 | 0.00 | 13.56 | 0.00 | 0. | 0.00 |
| 405 | 32.900 | 30.57 | 0.00 | 0.00 | 0.00 | 5.64 | 10.64 | 0.00 | 10.64 | 0.00 | 1.27 | 0.11 | 0.00 | 1.38 | 0.00 | 12.66 | 0.00 | 0. | 0.00 |
| 406 | 32.800 | 30.56 | 0.00 | 0.00 | 0.00 | 5.52 | 10.64 | 0.00 | 10.64 | 0.00 | 1.27 | 0.11 | 0.00 | 1.38 | 0.00 | 11.75 | 0.00 | 0. | 0.00 |
| 407 | 32.700 | 30.55 | 0.00 | 0.00 | 0.00 | 5.40 | 10.64 | 0.00 | 10.64 | 0.00 | 1.26 | 0.11 | 0.00 | 1.37 | 0.00 | 10.85 | 0.00 | 0. | 0.00 |
| 408 | 32.600 | 30.54 | 0.00 | 0.00 | 0.00 | 5.27 | 10.64 | 0.00 | 10.64 | 0.00 | 1.26 | 0.11 | 0.00 | 1.37 | 0.00 | 9.95 | 0.00 | 0. | 0.00 |
| 409 | 32.500 | 30.52 | 0.00 | 0.00 | 0.00 | 5.14 | 10.63 | 0.00 | 10.63 | 0.00 | 1.26 | 0.11 | 0.00 | 1.36 | 0.00 | 9.04 | 0.00 | 0. | 0.00 |
| 410 | 32.400 | 30.51 | 0.00 | 0.00 | 0.00 | 5.01 | 10.63 | 0.00 | 10.63 | 0.00 | 1.25 | 0.10 | 0.00 | 1.36 | 0.00 | 8.14 | 0.00 | 0. | 0.00 |
| 411 | 32.300 | 30.50 | 0.00 | 0.00 | 0.00 | 4.88 | 10.63 | 0.00 | 10.63 | 0.00 | 1.25 | 0.10 | 0.00 | 1.35 | 0.00 | 7.23 | 0.00 | 0. | 0.00 |
| 412 | 32.200 | 30.49 | 0.00 | 0.00 | 0.00 | 4.74 | 10.63 | 0.00 | 10.63 | 0.00 | 1.25 | 0.10 | 0.00 | 1.35 | 0.00 | 6.33 | 0.00 | 0. | 0.00 |
| 413 | 32.100 | 30.47 | 0.00 | 0.00 | 0.00 | 4.60 | 10.63 | 0.00 | 10.63 | 0.00 | 1.24 | 0.10 | 0.00 | 1.35 | 0.00 | 5.42 | 0.00 | 0. | 0.00 |
| 414 | 32.000 | 30.46 | 0.00 | 0.00 | 0.00 | 4.46 | 10.63 | 0.00 | 10.63 | 0.00 | 1.24 | 0.10 | 0.00 | 1.34 | 0.00 | 4.52 | 0.00 | 0. | 0.00 |
| 415 | 31.900 | 30.45 | 0.00 | 0.00 | 0.00 | 4.32 | 10.62 | 0.00 | 10.62 | 0.00 | 1.24 | 0.10 | 0.00 | 1.34 | 0.00 | 3.62 | 0.00 | 0. | 0.00 |
| 416 | 31.800 | 30.44 | 0.00 | 0.00 | 0.00 | 4.17 | 10.62 | 0.00 | 10.62 | 0.00 | 1.24 | 0.10 | 0.00 | 1.33 | 0.00 | 2.71 | 0.00 | 0. | 0.00 |
| 417 | 31.700 | 30.42 | 0.00 | 0.00 | 0.00 | 4.02 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 1.33 | 0.00 | 1.81 | 0.00 | 0. | 0.00 |
| 418 | 31.600 | 30.41 | 0.00 | 0.00 | 0.00 | 3.87 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 1.33 | 0.00 | 0.90 | 0.00 | 0. | 0.00 |
| 419 | 31.500 | 30.40 | 0.00 | 0.00 | 0.00 | 3.72 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 10 Intracoastal Waterway #2 Calibration Simulation for Upper Terrebonne model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 554 | UPR RCH | 1.57969 | 30.40 | 0.00 | 0.00 | 0.00 | 3.72 | 10.62 | 0.00 | 10.62 | 0.00 | 1.23 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | TRIB | 7.56386 | 30.40 | 0.00 | 0.00 | 0.00 | 5.39 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | WSTLD | 0.00001 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.10 | 1.50 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | WSTLD | 0.00010 | 31.50 | 0.00 | 0.00 | 0.00 | 6.30 | 3.00 | 0.00 | 3.00 | 0.00 | 1.20 | 0.10 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | WSTLD | 0.00010 | 31.50 | 0.00 | 0.00 | 0.00 | 6.30 | 3.00 | 0.00 | 3.00 | 0.00 | 1.20 | 0.10 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | WSTLD | 0.00455 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 15.20 | 0.00 | 15.20 | 0.00 | 1.10 | 1.50 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 674 | WSTLD | 0.00010 | 31.50 | 0.00 | 0.00 | 0.00 | 6.30 | 3.00 | 0.00 | 3.00 | 0.00 | 1.20 | 0.10 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 678 | WSTLD | 1.35901 | 29.00 | 0.00 | 0.00 | 0.00 | 2.00 | 3.50 | 0.00 | 3.50 | 0.00 | 1.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 703 | WSTLD | 0.00004 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.10 | 1.50 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 554 | 31.50 | 31.40 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 555 | 31.40 | 31.30 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 556 | 31.30 | 31.20 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 557 | 31.20 | 31.10 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 558 | 31.10 | 31.00 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 559 | 31.00 | 30.90 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 560 | 30.90 | 30.80 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 561 | 30.80 | 30.70 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 562 | 30.70 | 30.60 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 563 | 30.60 | 30.50 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 564 | 30.50 | 30.40 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 565 | 30.40 | 30.30 | 9.14355 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 566 | 30.30 | 30.20 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 567 | 30.20 | 30.10 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 568 | 30.10 | 30.00 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 569 | 30.00 | 29.90 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 570 | 29.90 | 29.80 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 571 | 29.80 | 29.70 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 572 | 29.70 | 29.60 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 573 | 29.60 | 29.50 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 574 | 29.50 | 29.40 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 575 | 29.40 | 29.30 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 576 | 29.30 | 29.20 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 577 | 29.20 | 29.10 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 578 | 29.10 | 29.00 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 579 | 29.00 | 28.90 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 580 | 28.90 | 28.80 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 581 | 28.80 | 28.70 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 582 | 28.70 | 28.60 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 583 | 28.60 | 28.50 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 584 | 28.50 | 28.40 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 585 | 28.40 | 28.30 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 586 | 28.30 | 28.20 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 587 | 28.20 | 28.10 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 588 | 28.10 | 28.00 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 589 | 28.00 | 27.90 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 590 | 27.90 | 27.80 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 591 | 27.80 | 27.70 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 592 | 27.70 | 27.60 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 593 | 27.60 | 27.50 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 594 | 27.50 | 27.40 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 595 | 27.40 | 27.30 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 596 | 27.30 | 27.20 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 597 | 27.20 | 27.10 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 598 | 27.10 | 27.00 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 599 | 27.00 | 26.90 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 600 | 26.90 | 26.80 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 601 | 26.80 | 26.70 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 602 | 26.70 | 26.60 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 603 | 26.60 | 26.50 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 604 | 26.50 | 26.40 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 605 | 26.40 | 26.30 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 606 | 26.30 | 26.20 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 607 | 26.20 | 26.10 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 608 | 26.10 | 26.00 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 609 | 26.00 | 25.90 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 610 | 25.90 | 25.80 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 611 | 25.80 | 25.70 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 612 | 25.70 | 25.60 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 613 | 25.60 | 25.50 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 614 | 25.50 | 25.40 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 615 | 25.40 | 25.30 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 616 | 25.30 | 25.20 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 617 | 25.20 | 25.10 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 618 | 25.10 | 25.00 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 619 | 25.00 | 24.90 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 620 | 24.90 | 24.80 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 621 | 24.80 | 24.70 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 622 | 24.70 | 24.60 | 9.14356 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 623 | 24.60 | 24.50 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 624 | 24.50 | 24.40 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 625 | 24.40 | 24.30 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 626 | 24.30 | 24.20 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 627 | 24.20 | 24.10 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 628 | 24.10 | 24.00 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 629 | 24.00 | 23.90 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 630 | 23.90 | 23.80 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 631 | 23.80 | 23.70 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 632 | 23.70 | 23.60 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 633 | 23.60 | 23.50 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 634 | 23.50 | 23.40 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 635 | 23.40 | 23.30 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 636 | 23.30 | 23.20 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 637 | 23.20 | 23.10 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 638 | 23.10 | 23.00 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 639 | 23.00 | 22.90 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 640 | 22.90 | 22.80 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 641 | 22.80 | 22.70 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 642 | 22.70 | 22.60 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 643 | 22.60 | 22.50 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 644 | 22.50 | 22.40 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 645 | 22.40 | 22.30 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 646 | 22.30 | 22.20 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 647 | 22.20 | 22.10 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 648 | 22.10 | 22.00 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 649 | 22.00 | 21.90 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 650 | 21.90 | 21.80 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 651 | 21.80 | 21.70 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 652 | 21.70 | 21.60 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 653 | 21.60 | 21.50 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 654 | 21.50 | 21.40 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 655 | 21.40 | 21.30 | 9.14366 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 656 | 21.30 | 21.20 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 657 | 21.20 | 21.10 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 658 | 21.10 | 21.00 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 659 | 21.00 | 20.90 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 660 | 20.90 | 20.80 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 661 | 20.80 | 20.70 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 662 | 20.70 | 20.60 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 663 | 20.60 | 20.50 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 664 | 20.50 | 20.40 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 665 | 20.40 | 20.30 | 9.14376 | 7.4 | 0.04010 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 666 | 20.30 | 20.20 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 667 | 20.20 | 20.10 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 668 | 20.10 | 20.00 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 669 | 20.00 | 19.90 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 670 | 19.90 | 19.80 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 671 | 19.80 | 19.70 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 672 | 19.70 | 19.60 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 673 | 19.60 | 19.50 | 9.14831 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 674 | 19.50 | 19.40 | 9.14841 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 675 | 19.40 | 19.30 | 9.14841 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 676 | 19.30 | 19.20 | 9.14841 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 677 | 19.20 | 19.10 | 9.14841 | 7.4 | 0.04012 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.040 |
| 678 | 19.10 | 19.00 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 679 | 19.00 | 18.90 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 680 | 18.90 | 18.80 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 681 | 18.80 | 18.70 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 682 | 18.70 | 18.60 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 683 | 18.60 | 18.50 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 684 | 18.50 | 18.40 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 685 | 18.40 | 18.30 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 686 | 18.30 | 18.20 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 687 | 18.20 | 18.10 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 688 | 18.10 | 18.00 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 689 | 18.00 | 17.90 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 690 | 17.90 | 17.80 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 691 | 17.80 | 17.70 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 692 | 17.70 | 17.60 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 693 | 17.60 | 17.50 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 694 | 17.50 | 17.40 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 695 | 17.40 | 17.30 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 696 | 17.30 | 17.20 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 697 | 17.20 | 17.10 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 698 | 17.10 | 17.00 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 699 | 17.00 | 16.90 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 700 | 16.90 | 16.80 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 701 | 16.80 | 16.70 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 702 | 16.70 | 16.60 | 10.50742 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 703 | 16.60 | 16.50 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 704 | 16.50 | 16.40 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 705 | 16.40 | 16.30 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 706 | 16.30 | 16.20 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 707 | 16.20 | 16.10 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 708 | 16.10 | 16.00 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |
| 709 | 16.00 | 15.90 | 10.50746 | 19.4 | 0.04609 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.046 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TOT | | | | 4.38 | | 3556800.00 | 1185600.00 |
| AVG | | | 0.0412 | | 3.00 | 76.00 | 228.00 |
| CUM | | | | 18.63 | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | REAER DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 SETT * | BOD#2 SETT * | BOD#2 DECAY 1/da | ABOD#2 SOD 1/da | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN SETT ** | ORGN DECAY 1/da | NH3 SRCE 1/da | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 554 | 31.400 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 31.300 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 31.200 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 557 | 31.100 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 558 | 31.000 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 559 | 30.900 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 30.800 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 561 | 30.700 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 562 | 30.600 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 563 | 30.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 564 | 30.400 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 565 | 30.300 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | 30.200 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 567 | 30.100 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 568 | 30.000 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 569 | 29.900 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 570 | 29.800 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 571 | 29.700 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 572 | 29.600 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 573 | 29.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 574 | 29.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 29.300 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 576 | 29.200 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 577 | 29.100 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 578 | 29.000 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 579 | 28.900 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 580 | 28.800 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 581 | 28.700 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 582 | 28.600 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 583 | 28.500 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | 28.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 585 | 28.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 586 | 28.200 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 587 | 28.100 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 588 | 28.000 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 589 | 27.900 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 590 | 27.800 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 591 | 27.700 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 592 | 27.600 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 27.500 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 594 | 27.400 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 595 | 27.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 27.200 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 597 | 27.100 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 598 | 27.000 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 599 | 26.900 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 26.800 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 601 | 26.700 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 602 | 26.600 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | 26.500 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 604 | 26.400 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 605 | 26.300 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 606 | 26.200 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 607 | 26.100 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 608 | 26.000 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 609 | 25.900 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 610 | 25.800 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 611 | 25.700 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 612 | 25.600 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 613 | 25.500 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 614 | 25.400 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 615 | 25.300 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 616 | 25.200 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 617 | 25.100 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 618 | 25.000 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 619 | 24.900 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 620 | 24.800 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 621 | 24.700 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 622 | 24.600 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | 24.500 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 624 | 24.400 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 625 | 24.300 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 626 | 24.200 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 627 | 24.100 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 628 | 24.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 629 | 23.900 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 630 | 23.800 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 631 | 23.700 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 632 | 23.600 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 633 | 23.500 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 634 | 23.400 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 635 | 23.300 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 636 | 23.200 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 637 | 23.100 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 638 | 23.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 639 | 22.900 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 640 | 22.800 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 641 | 22.700 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 642 | 22.600 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 643 | 22.500 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 644 | 22.400 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 645 | 22.300 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 646 | 22.200 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 647 | 22.100 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 648 | 22.000 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 649 | 21.900 | 7.59 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 650 | 21.800 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 651 | 21.700 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 652 | 21.600 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 653 | 21.500 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 654 | 21.400 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 655 | 21.300 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | 21.200 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 657 | 21.100 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 658 | 21.000 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 659 | 20.900 | 7.60 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 660 | 20.800 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 661 | 20.700 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 662 | 20.600 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 663 | 20.500 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 664 | 20.400 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 665 | 20.300 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | 20.200 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 667 | 20.100 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 668 | 20.000 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669 | 19.900 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 670 | 19.800 | 7.61 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 671 | 19.700 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 672 | 19.600 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 673 | 19.500 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 674 | 19.400 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 675 | 19.300 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 676 | 19.200 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 677 | 19.100 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 678 | 19.000 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 679 | 18.900 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 680 | 18.800 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 681 | 18.700 | 7.62 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 682 | 18.600 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 683 | 18.500 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 684 | 18.400 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 685 | 18.300 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 686 | 18.200 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 687 | 18.100 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 688 | 18.000 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 689 | 17.900 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 690 | 17.800 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 691 | 17.700 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 692 | 17.600 | 7.63 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 693 | 17.500 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 694 | 17.400 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 695 | 17.300 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 696 | 17.200 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 697 | 17.100 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 698 | 17.000 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 699 | 16.900 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700 | 16.800 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 701 | 16.700 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 702 | 16.600 | 7.64 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 703 | 16.500 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 704 | 16.400 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 705 | 16.300 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 706 | 16.200 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 707 | 16.100 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 708 | 16.000 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 709 | 15.900 | 7.65 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.23 0.13 0.00 0.00 0.00 0.00 0.00 1.30 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 554 | 31.400 | 30.39 | 0.00 | 0.00 | 0.00 | 5.08 | 3.28 | 0.00 | 3.28 | 0.00 | 1.20 | 0.08 | 1.48 | 2.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 555 | 31.300 | 30.39 | 0.00 | 0.00 | 0.00 | 5.05 | 3.27 | 0.00 | 3.27 | 0.00 | 1.20 | 0.08 | 1.48 | 2.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 556 | 31.200 | 30.38 | 0.00 | 0.00 | 0.00 | 5.02 | 3.26 | 0.00 | 3.26 | 0.00 | 1.20 | 0.08 | 1.48 | 2.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 557 | 31.100 | 30.37 | 0.00 | 0.00 | 0.00 | 4.99 | 3.26 | 0.00 | 3.26 | 0.00 | 1.21 | 0.08 | 1.48 | 2.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 558 | 31.000 | 30.36 | 0.00 | 0.00 | 0.00 | 4.97 | 3.25 | 0.00 | 3.25 | 0.00 | 1.21 | 0.08 | 1.48 | 2.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 559 | 30.900 | 30.36 | 0.00 | 0.00 | 0.00 | 4.94 | 3.24 | 0.00 | 3.24 | 0.00 | 1.22 | 0.08 | 1.48 | 2.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 560 | 30.800 | 30.35 | 0.00 | 0.00 | 0.00 | 4.91 | 3.23 | 0.00 | 3.23 | 0.00 | 1.22 | 0.08 | 1.48 | 2.78 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 561 | 30.700 | 30.34 | 0.00 | 0.00 | 0.00 | 4.89 | 3.22 | 0.00 | 3.22 | 0.00 | 1.22 | 0.08 | 1.48 | 2.78 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 562 | 30.600 | 30.34 | 0.00 | 0.00 | 0.00 | 4.86 | 3.22 | 0.00 | 3.22 | 0.00 | 1.23 | 0.08 | 1.48 | 2.79 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 563 | 30.500 | 30.33 | 0.00 | 0.00 | 0.00 | 4.84 | 3.21 | 0.00 | 3.21 | 0.00 | 1.23 | 0.08 | 1.48 | 2.79 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 564 | 30.400 | 30.32 | 0.00 | 0.00 | 0.00 | 4.81 | 3.20 | 0.00 | 3.20 | 0.00 | 1.24 | 0.08 | 1.48 | 2.79 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 565 | 30.300 | 30.32 | 0.00 | 0.00 | 0.00 | 4.79 | 3.19 | 0.00 | 3.19 | 0.00 | 1.24 | 0.08 | 1.49 | 2.80 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 566 | 30.200 | 30.31 | 0.00 | 0.00 | 0.00 | 4.76 | 3.18 | 0.00 | 3.18 | 0.00 | 1.24 | 0.08 | 1.49 | 2.80 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 567 | 30.100 | 30.30 | 0.00 | 0.00 | 0.00 | 4.74 | 3.18 | 0.00 | 3.18 | 0.00 | 1.25 | 0.08 | 1.49 | 2.81 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 568 | 30.000 | 30.29 | 0.00 | 0.00 | 0.00 | 4.71 | 3.17 | 0.00 | 3.17 | 0.00 | 1.25 | 0.08 | 1.49 | 2.81 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 569 | 29.900 | 30.29 | 0.00 | 0.00 | 0.00 | 4.69 | 3.16 | 0.00 | 3.16 | 0.00 | 1.26 | 0.08 | 1.49 | 2.82 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 570 | 29.800 | 30.28 | 0.00 | 0.00 | 0.00 | 4.67 | 3.15 | 0.00 | 3.15 | 0.00 | 1.26 | 0.08 | 1.49 | 2.82 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 571 | 29.700 | 30.27 | 0.00 | 0.00 | 0.00 | 4.64 | 3.15 | 0.00 | 3.15 | 0.00 | 1.26 | 0.08 | 1.49 | 2.83 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 572 | 29.600 | 30.27 | 0.00 | 0.00 | 0.00 | 4.62 | 3.14 | 0.00 | 3.14 | 0.00 | 1.27 | 0.08 | 1.49 | 2.83 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 573 | 29.500 | 30.26 | 0.00 | 0.00 | 0.00 | 4.60 | 3.13 | 0.00 | 3.13 | 0.00 | 1.27 | 0.08 | 1.49 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 574 | 29.400 | 30.25 | 0.00 | 0.00 | 0.00 | 4.58 | 3.12 | 0.00 | 3.12 | 0.00 | 1.28 | 0.08 | 1.49 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 575 | 29.300 | 30.24 | 0.00 | 0.00 | 0.00 | 4.55 | 3.12 | 0.00 | 3.12 | 0.00 | 1.28 | 0.08 | 1.49 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 576 | 29.200 | 30.24 | 0.00 | 0.00 | 0.00 | 4.53 | 3.11 | 0.00 | 3.11 | 0.00 | 1.28 | 0.08 | 1.50 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 577 | 29.100 | 30.23 | 0.00 | 0.00 | 0.00 | 4.51 | 3.10 | 0.00 | 3.10 | 0.00 | 1.29 | 0.08 | 1.50 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 578 | 29.000 | 30.22 | 0.00 | 0.00 | 0.00 | 4.49 | 3.09 | 0.00 | 3.09 | 0.00 | 1.29 | 0.08 | 1.50 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 579 | 28.900 | 30.22 | 0.00 | 0.00 | 0.00 | 4.47 | 3.09 | 0.00 | 3.09 | 0.00 | 1.29 | 0.08 | 1.50 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 580 | 28.800 | 30.21 | 0.00 | 0.00 | 0.00 | 4.45 | 3.08 | 0.00 | 3.08 | 0.00 | 1.30 | 0.08 | 1.50 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 581 | 28.700 | 30.20 | 0.00 | 0.00 | 0.00 | 4.43 | 3.07 | 0.00 | 3.07 | 0.00 | 1.30 | 0.08 | 1.50 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 582 | 28.600 | 30.20 | 0.00 | 0.00 | 0.00 | 4.40 | 3.07 | 0.00 | 3.07 | 0.00 | 1.31 | 0.08 | 1.50 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 583 | 28.500 | 30.19 | 0.00 | 0.00 | 0.00 | 4.38 | 3.06 | 0.00 | 3.06 | 0.00 | 1.31 | 0.08 | 1.50 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 584 | 28.400 | 30.18 | 0.00 | 0.00 | 0.00 | 4.36 | 3.05 | 0.00 | 3.05 | 0.00 | 1.31 | 0.08 | 1.50 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 585 | 28.300 | 30.17 | 0.00 | 0.00 | 0.00 | 4.34 | 3.05 | 0.00 | 3.05 | 0.00 | 1.32 | 0.08 | 1.50 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 586 | 28.200 | 30.17 | 0.00 | 0.00 | 0.00 | 4.33 | 3.04 | 0.00 | 3.04 | 0.00 | 1.32 | 0.08 | 1.50 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 587 | 28.100 | 30.16 | 0.00 | 0.00 | 0.00 | 4.31 | 3.03 | 0.00 | 3.03 | 0.00 | 1.33 | 0.08 | 1.50 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 588 | 28.000 | 30.15 | 0.00 | 0.00 | 0.00 | 4.29 | 3.03 | 0.00 | 3.03 | 0.00 | 1.33 | 0.08 | 1.51 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 589 | 27.900 | 30.15 | 0.00 | 0.00 | 0.00 | 4.27 | 3.02 | 0.00 | 3.02 | 0.00 | 1.33 | 0.08 | 1.51 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 590 | 27.800 | 30.14 | 0.00 | 0.00 | 0.00 | 4.25 | 3.01 | 0.00 | 3.01 | 0.00 | 1.34 | 0.08 | 1.51 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 591 | 27.700 | 30.13 | 0.00 | 0.00 | 0.00 | 4.23 | 3.01 | 0.00 | 3.01 | 0.00 | 1.34 | 0.08 | 1.51 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 592 | 27.600 | 30.12 | 0.00 | 0.00 | 0.00 | 4.21 | 3.00 | 0.00 | 3.00 | 0.00 | 1.35 | 0.08 | 1.51 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 593 | 27.500 | 30.12 | 0.00 | 0.00 | 0.00 | 4.19 | 2.99 | 0.00 | 2.99 | 0.00 | 1.35 | 0.08 | 1.51 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 594 | 27.400 | 30.11 | 0.00 | 0.00 | 0.00 | 4.18 | 2.99 | 0.00 | 2.99 | 0.00 | 1.35 | 0.08 | 1.51 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 595 | 27.300 | 30.10 | 0.00 | 0.00 | 0.00 | 4.16 | 2.98 | 0.00 | 2.98 | 0.00 | 1.36 | 0.08 | 1.51 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 596 | 27.200 | 30.10 | 0.00 | 0.00 | 0.00 | 4.14 | 2.97 | 0.00 | 2.97 | 0.00 | 1.36 | 0.08 | 1.51 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 597 | 27.100 | 30.09 | 0.00 | 0.00 | 0.00 | 4.12 | 2.97 | 0.00 | 2.97 | 0.00 | 1.37 | 0.08 | 1.51 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 598 | 27.000 | 30.08 | 0.00 | 0.00 | 0.00 | 4.11 | 2.96 | 0.00 | 2.96 | 0.00 | 1.37 | 0.08 | 1.51 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 599 | 26.900 | 30.08 | 0.00 | 0.00 | 0.00 | 4.09 | 2.95 | 0.00 | 2.95 | 0.00 | 1.37 | 0.08 | 1.52 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 600 | 26.800 | 30.07 | 0.00 | 0.00 | 0.00 | 4.07 | 2.95 | 0.00 | 2.95 | 0.00 | 1.38 | 0.08 | 1.52 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 601 | 26.700 | 30.06 | 0.00 | 0.00 | 0.00 | 4.06 | 2.94 | 0.00 | 2.94 | 0.00 | 1.38 | 0.08 | 1.52 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 602 | 26.600 | 30.05 | 0.00 | 0.00 | 0.00 | 4.04 | 2.94 | 0.00 | 2.94 | 0.00 | 1.39 | 0.08 | 1.52 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 603 | 26.500 | 30.05 | 0.00 | 0.00 | 0.00 | 4.02 | 2.93 | 0.00 | 2.93 | 0.00 | 1.39 | 0.08 | 1.52 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 604 | 26.400 | 30.04 | 0.00 | 0.00 | 0.00 | 4.01 | 2.92 | 0.00 | 2.92 | 0.00 | 1.39 | 0.08 | 1.52 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 605 | 26.300 | 30.03 | 0.00 | 0.00 | 0.00 | 3.99 | 2.92 | 0.00 | 2.92 | 0.00 | 1.40 | 0.08 | 1.52 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 606 | 26.200 | 30.03 | 0.00 | 0.00 | 0.00 | 3.98 | 2.91 | 0.00 | 2.91 | 0.00 | 1.40 | 0.08 | 1.52 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 607 | 26.100 | 30.02 | 0.00 | 0.00 | 0.00 | 3.96 | 2.91 | 0.00 | 2.91 | 0.00 | 1.40 | 0.08 | 1.52 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 608 | 26.000 | 30.01 | 0.00 | 0.00 | 0.00 | 3.95 | 2.90 | 0.00 | 2.90 | 0.00 | 1.41 | 0.08 | 1.52 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 609 | 25.900 | 30.01 | 0.00 | 0.00 | 0.00 | 3.93 | 2.89 | 0.00 | 2.89 | 0.00 | 1.41 | 0.08 | 1.52 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 610 | 25.800 | 30.00 | 0.00 | 0.00 | 0.00 | 3.92 | 2.89 | 0.00 | 2.89 | 0.00 | 1.42 | 0.08 | 1.52 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 611 | 25.700 | 29.99 | 0.00 | 0.00 | 0.00 | 3.90 | 2.88 | 0.00 | 2.88 | 0.00 | 1.42 | 0.08 | 1.53 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 612 | 25.600 | 29.98 | 0.00 | 0.00 | 0.00 | 3.89 | 2.88 | 0.00 | 2.88 | 0.00 | 1.42 | 0.08 | 1.53 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 613 | 25.500 | 29.98 | 0.00 | 0.00 | 0.00 | 3.87 | 2.87 | 0.00 | 2.87 | 0.00 | 1.43 | 0.08 | 1.53 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 614 | 25.400 | 29.97 | 0.00 | 0.00 | 0.00 | 3.86 | 2.87 | 0.00 | 2.87 | 0.00 | 1.43 | 0.08 | 1.53 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 615 | 25.300 | 29.96 | 0.00 | 0.00 | 0.00 | 3.85 | 2.86 | 0.00 | 2.86 | 0.00 | 1.44 | 0.08 | 1.53 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 616 | 25.200 | 29.96 | 0.00 | 0.00 | 0.00 | 3.83 | 2.85 | 0.00 | 2.85 | 0.00 | 1.44 | 0.08 | 1.53 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 617 | 25.100 | 29.95 | 0.00 | 0.00 | 0.00 | 3.82 | 2.85 | 0.00 | 2.85 | 0.00 | 1.44 | 0.08 | 1.53 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 618 | 25.000 | 29.94 | 0.00 | 0.00 | 0.00 | 3.80 | 2.84 | 0.00 | 2.84 | 0.00 | 1.45 | 0.08 | 1.53 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 619 | 24.900 | 29.93 | 0.00 | 0.00 | 0.00 | 3.79 | 2.84 | 0.00 | 2.84 | 0.00 | 1.45 | 0.08 | 1.53 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 620 | 24.800 | 29.93 | 0.00 | 0.00 | 0.00 | 3.78 | 2.83 | 0.00 | 2.83 | 0.00 | 1.45 | 0.08 | 1.53 | 3.07 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 621 | 24.700 | 29.92 | 0.00 | 0.00 | 0.00 | 3.76 | 2.83 | 0.00 | 2.83 | 0.00 | 1.46 | 0.08 | 1.53 | 3.07 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 622 | 24.600 | 29.91 | 0.00 | 0.00 | 0.00 | 3.75 | 2.82 | 0.00 | 2.82 | 0.00 | 1.46 | 0.08 | 1.53 | 3.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 623 | 24.500 | 29.91 | 0.00 | 0.00 | 0.00 | 3.74 | 2.82 | 0.00 | 2.82 | 0.00 | 1.47 | 0.08 | 1.54 | 3.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 624 | 24.400 | 29.90 | 0.00 | 0.00 | 0.00 | 3.73 | 2.81 | 0.00 | 2.81 | 0.00 | 1.47 | 0.08 | 1.54 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 625 | 24.300 | 29.89 | 0.00 | 0.00 | 0.00 | 3.71 | 2.81 | 0.00 | 2.81 | 0.00 | 1.47 | 0.08 | 1.54 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 626 | 24.200 | 29.89 | 0.00 | 0.00 | 0.00 | 3.70 | 2.80 | 0.00 | 2.80 | 0.00 | 1.48 | 0.08 | 1.54 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 627 | 24.100 | 29.88 | 0.00 | 0.00 | 0.00 | 3.69 | 2.80 | 0.00 | 2.80 | 0.00 | 1.48 | 0.08 | 1.54 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 628 | 24.000 | 29.87 | 0.00 | 0.00 | 0.00 | 3.68 | 2.79 | 0.00 | 2.79 | 0.00 | 1.49 | 0.08 | 1.54 | 3.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 629 | 23.900 | 29.86 | 0.00 | 0.00 | 0.00 | 3.67 | 2.79 | 0.00 | 2.79 | 0.00 | 1.49 | 0.08 | 1.54 | 3.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 630 | 23.800 | 29.86 | 0.00 | 0.00 | 0.00 | 3.65 | 2.78 | 0.00 | 2.78 | 0.00 | 1.49 | 0.08 | 1.54 | 3.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 631 | 23.700 | 29.85 | 0.00 | 0.00 | 0.00 | 3.64 | 2.78 | 0.00 | 2.78 | 0.00 | 1.50 | 0.08 | 1.54 | 3.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 632 | 23.600 | 29.84 | 0.00 | 0.00 | 0.00 | 3.63 | 2.77 | 0.00 | 2.77 | 0.00 | 1.50 | 0.08 | 1.54 | 3.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 633 | 23.500 | 29.84 | 0.00 | 0.00 | 0.00 | 3.62 | 2.77 | 0.00 | 2.77 | 0.00 | 1.50 | 0.08 | 1.54 | 3.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 634 | 23.400 | 29.83 | 0.00 | 0.00 | 0.00 | 3.61 | 2.76 | 0.00 | 2.76 | 0.00 | 1.51 | 0.08 | 1.55 | 3.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 635 | 23.300 | 29.82 | 0.00 | 0.00 | 0.00 | 3.60 | 2.76 | 0.00 | 2.76 | 0.00 | 1.51 | 0.08 | 1.55 | 3.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 636 | 23.200 | 29.81 | 0.00 | 0.00 | 0.00 | 3.59 | 2.75 | 0.00 | 2.75 | 0.00 | 1.52 | 0.08 | 1.55 | 3.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 637 | 23.100 | 29.81 | 0.00 | 0.00 | 0.00 | 3.58 | 2.75 | 0.00 | 2.75 | 0.00 | 1.52 | 0.08 | 1.55 | 3.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 638 | 23.000 | 29.80 | 0.00 | 0.00 | 0.00 | 3.56 | 2.74 | 0.00 | 2.74 | 0.00 | 1.52 | 0.08 | 1.55 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 639 | 22.900 | 29.79 | 0.00 | 0.00 | 0.00 | 3.55 | 2.74 | 0.00 | 2.74 | 0.00 | 1.53 | 0.08 | 1.55 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 640 | 22.800 | 29.79 | 0.00 | 0.00 | 0.00 | 3.54 | 2.73 | 0.00 | 2.73 | 0.00 | 1.53 | 0.08 | 1.55 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 641 | 22.700 | 29.78 | 0.00 | 0.00 | 0.00 | 3.53 | 2.73 | 0.00 | 2.73 | 0.00 | 1.53 | 0.08 | 1.55 | 3.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 642 | 22.600 | 29.77 | 0.00 | 0.00 | 0.00 | 3.52 | 2.72 | 0.00 | 2.72 | 0.00 | 1.54 | 0.08 | 1.55 | 3.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 643 | 22.500 | 29.77 | 0.00 | 0.00 | 0.00 | 3.51 | 2.72 | 0.00 | 2.72 | 0.00 | 1.54 | 0.08 | 1.55 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 644 | 22.400 | 29.76 | 0.00 | 0.00 | 0.00 | 3.50 | 2.71 | 0.00 | 2.71 | 0.00 | 1.55 | 0.08 | 1.55 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 645 | 22.300 | 29.75 | 0.00 | 0.00 | 0.00 | 3.49 | 2.71 | 0.00 | 2.71 | 0.00 | 1.55 | 0.08 | 1.55 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 646 | 22.200 | 29.74 | 0.00 | 0.00 | 0.00 | 3.48 | 2.70 | 0.00 | 2.70 | 0.00 | 1.55 | 0.08 | 1.56 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 647 | 22.100 | 29.74 | 0.00 | 0.00 | 0.00 | 3.47 | 2.70 | 0.00 | 2.70 | 0.00 | 1.56 | 0.08 | 1.56 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 648 | 22.000 | 29.73 | 0.00 | 0.00 | 0.00 | 3.47 | 2.70 | 0.00 | 2.70 | 0.00 | 1.56 | 0.09 | 1.56 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 649 | 21.900 | 29.72 | 0.00 | 0.00 | 0.00 | 3.46 | 2.69 | 0.00 | 2.69 | 0.00 | 1.57 | 0.09 | 1.56 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 650 | 21.800 | 29.72 | 0.00 | 0.00 | 0.00 | 3.45 | 2.69 | 0.00 | 2.69 | 0.00 | 1.57 | 0.09 | 1.56 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 651 | 21.700 | 29.71 | 0.00 | 0.00 | 0.00 | 3.44 | 2.68 | 0.00 | 2.68 | 0.00 | 1.57 | 0.09 | 1.56 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 652 | 21.600 | 29.70 | 0.00 | 0.00 | 0.00 | 3.43 | 2.68 | 0.00 | 2.68 | 0.00 | 1.58 | 0.09 | 1.56 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 653 | 21.500 | 29.69 | 0.00 | 0.00 | 0.00 | 3.42 | 2.67 | 0.00 | 2.67 | 0.00 | 1.58 | 0.09 | 1.56 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 654 | 21.400 | 29.69 | 0.00 | 0.00 | 0.00 | 3.41 | 2.67 | 0.00 | 2.67 | 0.00 | 1.58 | 0.09 | 1.56 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 655 | 21.300 | 29.68 | 0.00 | 0.00 | 0.00 | 3.40 | 2.66 | 0.00 | 2.66 | 0.00 | 1.59 | 0.09 | 1.56 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 656 | 21.200 | 29.67 | 0.00 | 0.00 | 0.00 | 3.39 | 2.66 | 0.00 | 2.66 | 0.00 | 1.59 | 0.09 | 1.56 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 657 | 21.100 | 29.67 | 0.00 | 0.00 | 0.00 | 3.39 | 2.66 | 0.00 | 2.66 | 0.00 | 1.60 | 0.09 | 1.57 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 658 | 21.000 | 29.66 | 0.00 | 0.00 | 0.00 | 3.38 | 2.65 | 0.00 | 2.65 | 0.00 | 1.60 | 0.09 | 1.57 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 659 | 20.900 | 29.65 | 0.00 | 0.00 | 0.00 | 3.37 | 2.65 | 0.00 | 2.65 | 0.00 | 1.60 | 0.09 | 1.57 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 660 | 20.800 | 29.65 | 0.00 | 0.00 | 0.00 | 3.36 | 2.64 | 0.00 | 2.64 | 0.00 | 1.61 | 0.09 | 1.57 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 661 | 20.700 | 29.64 | 0.00 | 0.00 | 0.00 | 3.35 | 2.64 | 0.00 | 2.64 | 0.00 | 1.61 | 0.09 | 1.57 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 662 | 20.600 | 29.63 | 0.00 | 0.00 | 0.00 | 3.34 | 2.64 | 0.00 | 2.64 | 0.00 | 1.61 | 0.09 | 1.57 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 663 | 20.500 | 29.62 | 0.00 | 0.00 | 0.00 | 3.34 | 2.63 | 0.00 | 2.63 | 0.00 | 1.62 | 0.09 | 1.57 | 3.28 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 664 | 20.400 | 29.62 | 0.00 | 0.00 | 0.00 | 3.33 | 2.63 | 0.00 | 2.63 | 0.00 | 1.62 | 0.09 | 1.57 | 3.28 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 665 | 20.300 | 29.61 | 0.00 | 0.00 | 0.00 | 3.32 | 2.62 | 0.00 | 2.62 | 0.00 | 1.63 | 0.09 | 1.57 | 3.29 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 666 | 20.200 | 29.60 | 0.00 | 0.00 | 0.00 | 3.32 | 2.63 | 0.00 | 2.63 | 0.00 | 1.63 | 0.09 | 1.58 | 3.30 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 667 | 20.100 | 29.60 | 0.00 | 0.00 | 0.00 | 3.31 | 2.62 | 0.00 | 2.62 | 0.00 | 1.63 | 0.09 | 1.58 | 3.30 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 668 | 20.000 | 29.59 | 0.00 | 0.00 | 0.00 | 3.30 | 2.62 | 0.00 | 2.62 | 0.00 | 1.64 | 0.09 | 1.58 | 3.31 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 669 | 19.900 | 29.58 | 0.00 | 0.00 | 0.00 | 3.29 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.09 | 1.58 | 3.31 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 670 | 19.800 | 29.57 | 0.00 | 0.00 | 0.00 | 3.29 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.09 | 1.58 | 3.32 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 671 | 19.700 | 29.57 | 0.00 | 0.00 | 0.00 | 3.28 | 2.61 | 0.00 | 2.61 | 0.00 | 1.65 | 0.09 | 1.58 | 3.32 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 672 | 19.600 | 29.56 | 0.00 | 0.00 | 0.00 | 3.27 | 2.60 | 0.00 | 2.60 | 0.00 | 1.65 | 0.09 | 1.58 | 3.33 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 673 | 19.500 | 29.55 | 0.00 | 0.00 | 0.00 | 3.26 | 2.60 | 0.00 | 2.60 | 0.00 | 1.65 | 0.09 | 1.58 | 3.33 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 674 | 19.400 | 29.55 | 0.00 | 0.00 | 0.00 | 3.26 | 2.60 | 0.00 | 2.60 | 0.00 | 1.66 | 0.09 | 1.59 | 3.34 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 675 | 19.300 | 29.54 | 0.00 | 0.00 | 0.00 | 3.25 | 2.59 | 0.00 | 2.59 | 0.00 | 1.66 | 0.09 | 1.59 | 3.34 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 676 | 19.200 | 29.53 | 0.00 | 0.00 | 0.00 | 3.24 | 2.59 | 0.00 | 2.59 | 0.00 | 1.67 | 0.09 | 1.59 | 3.34 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 677 | 19.100 | 29.53 | 0.00 | 0.00 | 0.00 | 3.24 | 2.58 | 0.00 | 2.58 | 0.00 | 1.67 | 0.09 | 1.59 | 3.35 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 678 | 19.000 | 29.52 | 0.00 | 0.00 | 0.00 | 3.07 | 2.70 | 0.00 | 2.70 | 0.00 | 1.60 | 0.08 | 1.38 | 3.07 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 679 | 18.900 | 29.51 | 0.00 | 0.00 | 0.00 | 3.07 | 2.70 | 0.00 | 2.70 | 0.00 | 1.60 | 0.08 | 1.38 | 3.07 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 680 | 18.800 | 29.50 | 0.00 | 0.00 | 0.00 | 3.06 | 2.69 | 0.00 | 2.69 | 0.00 | 1.61 | 0.09 | 1.38 | 3.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 681 | 18.700 | 29.50 | 0.00 | 0.00 | 0.00 | 3.06 | 2.69 | 0.00 | 2.69 | 0.00 | 1.61 | 0.09 | 1.39 | 3.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 682 | 18.600 | 29.49 | 0.00 | 0.00 | 0.00 | 3.05 | 2.68 | 0.00 | 2.68 | 0.00 | 1.61 | 0.09 | 1.39 | 3.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 683 | 18.500 | 29.48 | 0.00 | 0.00 | 0.00 | 3.05 | 2.68 | 0.00 | 2.68 | 0.00 | 1.62 | 0.09 | 1.39 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 684 | 18.400 | 29.48 | 0.00 | 0.00 | 0.00 | 3.05 | 2.68 | 0.00 | 2.68 | 0.00 | 1.62 | 0.09 | 1.39 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 685 | 18.300 | 29.47 | 0.00 | 0.00 | 0.00 | 3.04 | 2.67 | 0.00 | 2.67 | 0.00 | 1.62 | 0.09 | 1.39 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 686 | 18.200 | 29.46 | 0.00 | 0.00 | 0.00 | 3.04 | 2.67 | 0.00 | 2.67 | 0.00 | 1.63 | 0.09 | 1.39 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 687 | 18.100 | 29.46 | 0.00 | 0.00 | 0.00 | 3.03 | 2.67 | 0.00 | 2.67 | 0.00 | 1.63 | 0.09 | 1.39 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 688 | 18.000 | 29.45 | 0.00 | 0.00 | 0.00 | 3.03 | 2.66 | 0.00 | 2.66 | 0.00 | 1.63 | 0.09 | 1.39 | 3.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 689 | 17.900 | 29.44 | 0.00 | 0.00 | 0.00 | 3.02 | 2.66 | 0.00 | 2.66 | 0.00 | 1.63 | 0.09 | 1.39 | 3.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 690 | 17.800 | 29.43 | 0.00 | 0.00 | 0.00 | 3.02 | 2.66 | 0.00 | 2.66 | 0.00 | 1.64 | 0.09 | 1.39 | 3.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 691 | 17.700 | 29.43 | 0.00 | 0.00 | 0.00 | 3.02 | 2.65 | 0.00 | 2.65 | 0.00 | 1.64 | 0.09 | 1.39 | 3.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 692 | 17.600 | 29.42 | 0.00 | 0.00 | 0.00 | 3.01 | 2.65 | 0.00 | 2.65 | 0.00 | 1.64 | 0.09 | 1.39 | 3.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 693 | 17.500 | 29.41 | 0.00 | 0.00 | 0.00 | 3.01 | 2.65 | 0.00 | 2.65 | 0.00 | 1.65 | 0.09 | 1.39 | 3.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 694 | 17.400 | 29.41 | 0.00 | 0.00 | 0.00 | 3.00 | 2.64 | 0.00 | 2.64 | 0.00 | 1.65 | 0.09 | 1.39 | 3.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 695 | 17.300 | 29.40 | 0.00 | 0.00 | 0.00 | 3.00 | 2.64 | 0.00 | 2.64 | 0.00 | 1.65 | 0.09 | 1.40 | 3.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 696 | 17.200 | 29.39 | 0.00 | 0.00 | 0.00 | 3.00 | 2.64 | 0.00 | 2.64 | 0.00 | 1.66 | 0.09 | 1.40 | 3.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 697 | 17.100 | 29.38 | 0.00 | 0.00 | 0.00 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.66 | 0.09 | 1.40 | 3.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 698 | 17.000 | 29.38 | 0.00 | 0.00 | 0.00 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.66 | 0.09 | 1.40 | 3.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 699 | 16.900 | 29.37 | 0.00 | 0.00 | 0.00 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.67 | 0.09 | 1.40 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 700 | 16.800 | 29.36 | 0.00 | 0.00 | 0.00 | 2.98 | 2.62 | 0.00 | 2.62 | 0.00 | 1.67 | 0.09 | 1.40 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 701 | 16.700 | 29.36 | 0.00 | 0.00 | 0.00 | 2.98 | 2.62 | 0.00 | 2.62 | 0.00 | 1.67 | 0.09 | 1.40 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 702 | 16.600 | 29.35 | 0.00 | 0.00 | 0.00 | 2.98 | 2.62 | 0.00 | 2.62 | 0.00 | 1.68 | 0.09 | 1.40 | 3.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 703 | 16.500 | 29.34 | 0.00 | 0.00 | 0.00 | 2.97 | 2.61 | 0.00 | 2.61 | 0.00 | 1.68 | 0.09 | 1.40 | 3.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 704 | 16.400 | 29.34 | 0.00 | 0.00 | 0.00 | 2.97 | 2.61 | 0.00 | 2.61 | 0.00 | 1.68 | 0.09 | 1.40 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 705 | 16.300 | 29.33 | 0.00 | 0.00 | 0.00 | 2.97 | 2.61 | 0.00 | 2.61 | 0.00 | 1.69 | 0.09 | 1.40 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 706 | 16.200 | 29.32 | 0.00 | 0.00 | 0.00 | 2.96 | 2.60 | 0.00 | 2.60 | 0.00 | 1.69 | 0.09 | 1.40 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 707 | 16.100 | 29.31 | 0.00 | 0.00 | 0.00 | 2.96 | 2.60 | 0.00 | 2.60 | 0.00 | 1.69 | 0.09 | 1.40 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 708 | 16.000 | 29.31 | 0.00 | 0.00 | 0.00 | 2.96 | 2.60 | 0.00 | 2.60 | 0.00 | 1.70 | 0.09 | 1.41 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 709 | 15.900 | 29.30 | 0.00 | 0.00 | 0.00 | 2.95 | 2.59 | 0.00 | 2.59 | 0.00 | 1.70 | 0.09 | 1.41 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 12 Intracoastal Waterway #3 Calibration Simulation for Upper Terrebonne model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN µg/L | NH3 | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 829 | UPR RCH | 10.50746 | 29.30 | 0.00 | 0.00 | 0.00 | 2.95 | 2.59 | 0.00 | 2.59 | 0.00 | 1.70 | 0.09 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 829 | TRIB | 0.83995 | 29.30 | 0.00 | 0.00 | 0.00 | 2.57 | 25.55 | 0.00 | 25.55 | 0.00 | 1.41 | 0.15 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 829 | 15.90 | 15.80 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 830 | 15.80 | 15.70 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 831 | 15.70 | 15.60 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 832 | 15.60 | 15.50 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 833 | 15.50 | 15.40 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 834 | 15.40 | 15.30 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 835 | 15.30 | 15.20 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 836 | 15.20 | 15.10 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 837 | 15.10 | 15.00 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 838 | 15.00 | 14.90 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 839 | 14.90 | 14.80 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 840 | 14.80 | 14.70 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 841 | 14.70 | 14.60 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 842 | 14.60 | 14.50 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 843 | 14.50 | 14.40 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 844 | 14.40 | 14.30 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 845 | 14.30 | 14.20 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 846 | 14.20 | 14.10 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 847 | 14.10 | 14.00 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 848 | 14.00 | 13.90 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 849 | 13.90 | 13.80 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 850 | 13.80 | 13.70 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 851 | 13.70 | 13.60 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 852 | 13.60 | 13.50 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 853 | 13.50 | 13.40 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 854 | 13.40 | 13.30 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 855 | 13.30 | 13.20 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 856 | 13.20 | 13.10 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 857 | 13.10 | 13.00 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 858 | 13.00 | 12.90 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 859 | 12.90 | 12.80 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 860 | 12.80 | 12.70 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 861 | 12.70 | 12.60 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 862 | 12.60 | 12.50 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 863 | 12.50 | 12.40 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 864 | 12.40 | 12.30 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 865 | 12.30 | 12.20 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 866 | 12.20 | 12.10 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 867 | 12.10 | 12.00 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 868 | 12.00 | 11.90 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 869 | 11.90 | 11.80 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 870 | 11.80 | 11.70 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 871 | 11.70 | 11.60 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 872 | 11.60 | 11.50 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 873 | 11.50 | 11.40 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 874 | 11.40 | 11.30 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 875 | 11.30 | 11.20 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 876 | 11.20 | 11.10 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 877 | 11.10 | 11.00 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| 878 | 11.00 | 10.90 | 11.34741 | 18.6 | 0.04433 | 0.03 | 3.20 | 80.00 | 25600.00 | 8000.00 | 256.00 | 0.00 | 0.000 | 0.000 | 0.044 |
| TOT | | | | 1.31 | | | | 1280000.00 | 400000.00 | | | | | | |
| AVG | | | | | 0.0443 | | 3.20 | 80.00 | | | 256.00 | | | | |
| CUM | | | | 19.93 | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 829 | 15.800 | 7.65 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 830 | 15.700 | 7.65 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 831 | 15.600 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 832 | 15.500 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 833 | 15.400 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 834 | 15.300 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 1.26 | 1.26 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 835 | 15.200 | 7.64 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 836 | 15.100 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 837 | 15.000 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 838 | 14.900 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 839 | 14.800 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 840 | 14.700 | 7.63 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 841 | 14.600 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.27 | 1.27 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 842 | 14.500 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 843 | 14.400 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 844 | 14.300 | 7.62 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 845 | 14.200 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 846 | 14.100 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 847 | 14.000 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 848 | 13.900 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 849 | 13.800 | 7.61 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 850 | 13.700 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 851 | 13.600 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 852 | 13.500 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 853 | 13.400 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 854 | 13.300 | 7.60 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 855 | 13.200 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 856 | 13.100 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 857 | 13.000 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 1.29 | 1.29 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 858 | 12.900 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 859 | 12.800 | 7.59 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 860 | 12.700 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 861 | 12.600 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 862 | 12.500 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 863 | 12.400 | 7.58 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 864 | 12.300 | 7.57 | 0.26 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.30 | 1.30 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 865 | 12.200 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 866 | 12.100 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 867 | 12.000 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 868 | 11.900 | 7.57 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 869 | 11.800 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 870 | 11.700 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 871 | 11.600 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 872 | 11.500 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 1.31 | 1.31 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 873 | 11.400 | 7.56 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 874 | 11.300 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 875 | 11.200 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 876 | 11.100 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 877 | 11.000 | 7.55 | 0.26 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

878 10.900 7.55 0.26 0.32 0.00 0.00 0.00 0.00 0.00 1.32 1.32 1.32 0.02 0.00 0.33 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

AVG 20 DEG C RATE 0.22 0.20 0.00 0.00 0.00 0.00 0.00 0.70 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 829 | 15.800 | 29.32 | 0.00 | 0.00 | 0.00 | 2.91 | 4.26 | 0.00 | 4.26 | 0.00 | 1.68 | 0.10 | 1.40 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 830 | 15.700 | 29.33 | 0.00 | 0.00 | 0.00 | 2.89 | 4.23 | 0.00 | 4.23 | 0.00 | 1.68 | 0.10 | 1.41 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 831 | 15.600 | 29.35 | 0.00 | 0.00 | 0.00 | 2.88 | 4.19 | 0.00 | 4.19 | 0.00 | 1.68 | 0.10 | 1.41 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 832 | 15.500 | 29.36 | 0.00 | 0.00 | 0.00 | 2.86 | 4.16 | 0.00 | 4.16 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 833 | 15.400 | 29.38 | 0.00 | 0.00 | 0.00 | 2.85 | 4.12 | 0.00 | 4.12 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 834 | 15.300 | 29.40 | 0.00 | 0.00 | 0.00 | 2.83 | 4.09 | 0.00 | 4.09 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 835 | 15.200 | 29.41 | 0.00 | 0.00 | 0.00 | 2.82 | 4.06 | 0.00 | 4.06 | 0.00 | 1.68 | 0.10 | 1.41 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 836 | 15.100 | 29.43 | 0.00 | 0.00 | 0.00 | 2.81 | 4.03 | 0.00 | 4.03 | 0.00 | 1.69 | 0.10 | 1.41 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 837 | 15.000 | 29.44 | 0.00 | 0.00 | 0.00 | 2.79 | 3.99 | 0.00 | 3.99 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 838 | 14.900 | 29.46 | 0.00 | 0.00 | 0.00 | 2.78 | 3.96 | 0.00 | 3.96 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 839 | 14.800 | 29.48 | 0.00 | 0.00 | 0.00 | 2.77 | 3.93 | 0.00 | 3.93 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 840 | 14.700 | 29.49 | 0.00 | 0.00 | 0.00 | 2.76 | 3.90 | 0.00 | 3.90 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 841 | 14.600 | 29.51 | 0.00 | 0.00 | 0.00 | 2.74 | 3.87 | 0.00 | 3.87 | 0.00 | 1.69 | 0.10 | 1.41 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 842 | 14.500 | 29.52 | 0.00 | 0.00 | 0.00 | 2.73 | 3.84 | 0.00 | 3.84 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 843 | 14.400 | 29.54 | 0.00 | 0.00 | 0.00 | 2.72 | 3.81 | 0.00 | 3.81 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 844 | 14.300 | 29.56 | 0.00 | 0.00 | 0.00 | 2.71 | 3.78 | 0.00 | 3.78 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 845 | 14.200 | 29.57 | 0.00 | 0.00 | 0.00 | 2.70 | 3.75 | 0.00 | 3.75 | 0.00 | 1.69 | 0.10 | 1.42 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 846 | 14.100 | 29.59 | 0.00 | 0.00 | 0.00 | 2.69 | 3.72 | 0.00 | 3.72 | 0.00 | 1.70 | 0.10 | 1.42 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 847 | 14.000 | 29.60 | 0.00 | 0.00 | 0.00 | 2.68 | 3.69 | 0.00 | 3.69 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 848 | 13.900 | 29.62 | 0.00 | 0.00 | 0.00 | 2.67 | 3.66 | 0.00 | 3.66 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 849 | 13.800 | 29.64 | 0.00 | 0.00 | 0.00 | 2.66 | 3.63 | 0.00 | 3.63 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 850 | 13.700 | 29.65 | 0.00 | 0.00 | 0.00 | 2.65 | 3.60 | 0.00 | 3.60 | 0.00 | 1.70 | 0.10 | 1.42 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 851 | 13.600 | 29.67 | 0.00 | 0.00 | 0.00 | 2.64 | 3.57 | 0.00 | 3.57 | 0.00 | 1.70 | 0.10 | 1.42 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 852 | 13.500 | 29.68 | 0.00 | 0.00 | 0.00 | 2.63 | 3.54 | 0.00 | 3.54 | 0.00 | 1.70 | 0.10 | 1.42 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 853 | 13.400 | 29.70 | 0.00 | 0.00 | 0.00 | 2.62 | 3.51 | 0.00 | 3.51 | 0.00 | 1.70 | 0.10 | 1.42 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 854 | 13.300 | 29.72 | 0.00 | 0.00 | 0.00 | 2.61 | 3.48 | 0.00 | 3.48 | 0.00 | 1.70 | 0.10 | 1.43 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 855 | 13.200 | 29.73 | 0.00 | 0.00 | 0.00 | 2.60 | 3.45 | 0.00 | 3.45 | 0.00 | 1.70 | 0.10 | 1.43 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 856 | 13.100 | 29.75 | 0.00 | 0.00 | 0.00 | 2.59 | 3.43 | 0.00 | 3.43 | 0.00 | 1.70 | 0.10 | 1.43 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 857 | 13.000 | 29.76 | 0.00 | 0.00 | 0.00 | 2.59 | 3.40 | 0.00 | 3.40 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 858 | 12.900 | 29.78 | 0.00 | 0.00 | 0.00 | 2.58 | 3.37 | 0.00 | 3.37 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 859 | 12.800 | 29.80 | 0.00 | 0.00 | 0.00 | 2.57 | 3.34 | 0.00 | 3.34 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 860 | 12.700 | 29.81 | 0.00 | 0.00 | 0.00 | 2.56 | 3.32 | 0.00 | 3.32 | 0.00 | 1.71 | 0.10 | 1.43 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 861 | 12.600 | 29.83 | 0.00 | 0.00 | 0.00 | 2.56 | 3.29 | 0.00 | 3.29 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 862 | 12.500 | 29.84 | 0.00 | 0.00 | 0.00 | 2.55 | 3.26 | 0.00 | 3.26 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 863 | 12.400 | 29.86 | 0.00 | 0.00 | 0.00 | 2.54 | 3.24 | 0.00 | 3.24 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 864 | 12.300 | 29.88 | 0.00 | 0.00 | 0.00 | 2.54 | 3.21 | 0.00 | 3.21 | 0.00 | 1.71 | 0.10 | 1.43 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 865 | 12.200 | 29.89 | 0.00 | 0.00 | 0.00 | 2.53 | 3.18 | 0.00 | 3.18 | 0.00 | 1.71 | 0.10 | 1.44 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 866 | 12.100 | 29.91 | 0.00 | 0.00 | 0.00 | 2.53 | 3.16 | 0.00 | 3.16 | 0.00 | 1.71 | 0.10 | 1.44 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 867 | 12.000 | 29.92 | 0.00 | 0.00 | 0.00 | 2.52 | 3.13 | 0.00 | 3.13 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 868 | 11.900 | 29.94 | 0.00 | 0.00 | 0.00 | 2.51 | 3.11 | 0.00 | 3.11 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 869 | 11.800 | 29.96 | 0.00 | 0.00 | 0.00 | 2.51 | 3.08 | 0.00 | 3.08 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 870 | 11.700 | 29.97 | 0.00 | 0.00 | 0.00 | 2.50 | 3.06 | 0.00 | 3.06 | 0.00 | 1.72 | 0.11 | 1.44 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 871 | 11.600 | 29.99 | 0.00 | 0.00 | 0.00 | 2.50 | 3.03 | 0.00 | 3.03 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 872 | 11.500 | 30.00 | 0.00 | 0.00 | 0.00 | 2.49 | 3.01 | 0.00 | 3.01 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 873 | 11.400 | 30.02 | 0.00 | 0.00 | 0.00 | 2.49 | 2.98 | 0.00 | 2.98 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 874 | 11.300 | 30.04 | 0.00 | 0.00 | 0.00 | 2.49 | 2.96 | 0.00 | 2.96 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 875 | 11.200 | 30.05 | 0.00 | 0.00 | 0.00 | 2.48 | 2.93 | 0.00 | 2.93 | 0.00 | 1.72 | 0.11 | 1.44 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 876 | 11.100 | 30.07 | 0.00 | 0.00 | 0.00 | 2.48 | 2.91 | 0.00 | 2.91 | 0.00 | 1.72 | 0.11 | 1.45 | 3.28 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 877 | 11.000 | 30.08 | 0.00 | 0.00 | 0.00 | 2.47 | 2.88 | 0.00 | 2.88 | 0.00 | 1.72 | 0.11 | 1.45 | 3.28 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 878 | 10.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.47 | 2.86 | 0.00 | 2.86 | 0.00 | 1.73 | 0.11 | 1.45 | 3.28 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 16 Intracoastal Waterway #4 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1047 | UPR RCH | 11.34741 | 30.10 | 0.00 | 0.00 | 0.00 | 2.47 | 2.86 | 0.00 | 2.86 | 0.00 | 1.73 | 0.11 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1047 | TRIB | 6.87829 | 30.10 | 0.00 | 0.00 | 0.00 | 3.50 | 4.53 | 0.00 | 4.53 | 0.00 | 1.34 | 0.07 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | AREA m≤ | PRISM m≥ | SURFACE VELO m/s | X-SECT VELO m≤/s | TIDAL m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1047 | 10.90 | 10.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1048 | 10.80 | 10.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1049 | 10.70 | 10.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1050 | 10.60 | 10.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1051 | 10.50 | 10.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1052 | 10.40 | 10.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1053 | 10.30 | 10.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1054 | 10.20 | 10.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1055 | 10.10 | 10.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1056 | 10.00 | 9.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1057 | 9.90 | 9.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1058 | 9.80 | 9.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1059 | 9.70 | 9.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1060 | 9.60 | 9.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1061 | 9.50 | 9.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1062 | 9.40 | 9.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1063 | 9.30 | 9.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1064 | 9.20 | 9.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1065 | 9.10 | 9.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1066 | 9.00 | 8.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1067 | 8.90 | 8.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1068 | 8.80 | 8.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1069 | 8.70 | 8.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1070 | 8.60 | 8.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |
| 1071 | 8.50 | 8.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1072 | 8.40 | 8.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1073 | 8.30 | 8.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1074 | 8.20 | 8.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1075 | 8.10 | 8.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1076 | 8.00 | 7.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1077 | 7.90 | 7.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1078 | 7.80 | 7.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1079 | 7.70 | 7.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1080 | 7.60 | 7.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1081 | 7.50 | 7.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1082 | 7.40 | 7.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1083 | 7.30 | 7.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1084 | 7.20 | 7.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1085 | 7.10 | 7.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1086 | 7.00 | 6.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1087 | 6.90 | 6.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1088 | 6.80 | 6.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1089 | 6.70 | 6.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1090 | 6.60 | 6.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1091 | 6.50 | 6.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1092 | 6.40 | 6.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1093 | 6.30 | 6.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1094 | 6.20 | 6.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1095 | 6.10 | 6.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1096 | 6.00 | 5.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1097 | 5.90 | 5.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1098 | 5.80 | 5.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1099 | 5.70 | 5.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1100 | 5.60 | 5.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1101 | 5.50 | 5.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1102 | 5.40 | 5.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1103 | 5.30 | 5.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1104 | 5.20 | 5.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1105 | 5.10 | 5.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1106 | 5.00 | 4.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1107 | 4.90 | 4.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1108 | 4.80 | 4.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1109 | 4.70 | 4.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1110 | 4.60 | 4.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1111 | 4.50 | 4.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1112 | 4.40 | 4.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1113 | 4.30 | 4.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1114 | 4.20 | 4.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1115 | 4.10 | 4.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1116 | 4.00 | 3.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1117 | 3.90 | 3.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1118 | 3.80 | 3.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1119 | 3.70 | 3.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1120 | 3.60 | 3.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1121 | 3.50 | 3.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1122 | 3.40 | 3.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1123 | 3.30 | 3.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1124 | 3.20 | 3.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1125 | 3.10 | 3.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1126 | 3.00 | 2.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1127 | 2.90 | 2.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1128 | 2.80 | 2.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1129 | 2.70 | 2.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1130 | 2.60 | 2.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1131 | 2.50 | 2.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1132 | 2.40 | 2.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1133 | 2.30 | 2.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1134 | 2.20 | 2.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1135 | 2.10 | 2.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1136 | 2.00 | 1.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1137 | 1.90 | 1.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1138 | 1.80 | 1.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1139 | 1.70 | 1.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1140 | 1.60 | 1.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1141 | 1.50 | 1.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1142 | 1.40 | 1.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1143 | 1.30 | 1.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1144 | 1.20 | 1.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1145 | 1.10 | 1.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1146 | 1.00 | 0.90 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1147 | 0.90 | 0.80 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1148 | 0.80 | 0.70 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1149 | 0.70 | 0.60 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1150 | 0.60 | 0.50 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1151 | 0.50 | 0.40 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1152 | 0.40 | 0.30 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1153 | 0.30 | 0.20 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1154 | 0.20 | 0.10 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |
| 1155 | 0.10 | 0.00 | 18.22570 | 16.9 | 0.10415 | 0.01 | 2.50 | 70.00 | 17500.00 | 7000.00 | 175.00 | 0.00 | 0.000 | 0.000 | 0.104 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | 1.21 | | 1907500.00 | 763000.00 | | |
| AVG | | | 0.1041 | | 2.50 | 70.00 | | 175.00 | |
| CUM | | | | 21.15 | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY ** | SRCE ** | NH3 RATE 1/da | NH3 SRCE 1/da | DENIT PROD * | PO4 PROD ** | ALG DECAY ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1047 | 10.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1048 | 10.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1049 | 10.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1050 | 10.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1051 | 10.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1052 | 10.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1053 | 10.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1054 | 10.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1055 | 10.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1056 | 9.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1057 | 9.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1058 | 9.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1059 | 9.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1060 | 9.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1061 | 9.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1062 | 9.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1063 | 9.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1064 | 9.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1065 | 9.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1066 | 8.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1067 | 8.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1068 | 8.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1069 | 8.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1070 | 8.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1071 | 8.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1072 | 8.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1073 | 8.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1074 | 8.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1075 | 8.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1076 | 7.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1077 | 7.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1078 | 7.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1079 | 7.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1080 | 7.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1081 | 7.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1082 | 7.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1083 | 7.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1084 | 7.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1085 | 7.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1086 | 6.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1087 | 6.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1088 | 6.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1089 | 6.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1090 | 6.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1091 | 6.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1092 | 6.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1093 | 6.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1094 | 6.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1095 | 6.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1096 | 5.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1097 | 5.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1098 | 5.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1099 | 5.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1100 | 5.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1101 | 5.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1102 | 5.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1103 | 5.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1104 | 5.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1105 | 5.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1106 | 4.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1107 | 4.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1108 | 4.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1109 | 4.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1110 | 4.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1111 | 4.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1112 | 4.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1113 | 4.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1114 | 4.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1115 | 4.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1116 | 3.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1117 | 3.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1118 | 3.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1119 | 3.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1120 | 3.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1121 | 3.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1122 | 3.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1123 | 3.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1124 | 3.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1125 | 3.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1126 | 2.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1127 | 2.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1128 | 2.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1129 | 2.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1130 | 2.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1131 | 2.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1132 | 2.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1133 | 2.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1134 | 2.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1135 | 2.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1136 | 1.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1137 | 1.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1138 | 1.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1139 | 1.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1140 | 1.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1141 | 1.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1142 | 1.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1143 | 1.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1144 | 1.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1145 | 1.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1146 | 0.900 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1147 | 0.800 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1148 | 0.700 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1149 | 0.600 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1150 | 0.500 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1151 | 0.400 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1152 | 0.300 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1153 | 0.200 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1154 | 0.100 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1155 | 0.000 | 7.55 | 0.39 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 1.32 | 1.32 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.32 0.20 0.00 0.00 0.00 0.00 0.00 0.70 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1047 | 10.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.48 | 0.00 | 3.48 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1048 | 10.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.47 | 0.00 | 3.47 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1049 | 10.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.45 | 0.00 | 3.45 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1050 | 10.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.44 | 0.00 | 3.44 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1051 | 10.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.43 | 0.00 | 3.43 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1052 | 10.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.42 | 0.00 | 3.42 | 0.00 | 1.58 | 0.09 | 1.16 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1053 | 10.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.41 | 0.00 | 3.41 | 0.00 | 1.58 | 0.09 | 1.17 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1054 | 10.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.39 | 0.00 | 3.39 | 0.00 | 1.59 | 0.09 | 1.17 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1055 | 10.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.86 | 3.38 | 0.00 | 3.38 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1056 | 9.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.37 | 0.00 | 3.37 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1057 | 9.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.36 | 0.00 | 3.36 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1058 | 9.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.35 | 0.00 | 3.35 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1059 | 9.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.33 | 0.00 | 3.33 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1060 | 9.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.32 | 0.00 | 3.32 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1061 | 9.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.31 | 0.00 | 3.31 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1062 | 9.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.30 | 0.00 | 3.30 | 0.00 | 1.59 | 0.09 | 1.17 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1063 | 9.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.29 | 0.00 | 3.29 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1064 | 9.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.28 | 0.00 | 3.28 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1065 | 9.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.27 | 0.00 | 3.27 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1066 | 8.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.87 | 3.25 | 0.00 | 3.25 | 0.00 | 1.59 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1067 | 8.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.24 | 0.00 | 3.24 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1068 | 8.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.23 | 0.00 | 3.23 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1069 | 8.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.22 | 0.00 | 3.22 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1070 | 8.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.21 | 0.00 | 3.21 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1071 | 8.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.20 | 0.00 | 3.20 | 0.00 | 1.60 | 0.09 | 1.17 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1072 | 8.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.19 | 0.00 | 3.19 | 0.00 | 1.60 | 0.09 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1073 | 8.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.88 | 3.17 | 0.00 | 3.17 | 0.00 | 1.60 | 0.09 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1074 | 8.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.16 | 0.00 | 3.16 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1075 | 8.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.15 | 0.00 | 3.15 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1076 | 7.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.14 | 0.00 | 3.14 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1077 | 7.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.13 | 0.00 | 3.13 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1078 | 7.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.12 | 0.00 | 3.12 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1079 | 7.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.11 | 0.00 | 3.11 | 0.00 | 1.60 | 0.10 | 1.17 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1080 | 7.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.89 | 3.10 | 0.00 | 3.10 | 0.00 | 1.60 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1081 | 7.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.90 | 3.09 | 0.00 | 3.09 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1082 | 7.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.90 | 3.07 | 0.00 | 3.07 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1083 | 7.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.90 | 3.06 | 0.00 | 3.06 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1084 | 7.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.90 | 3.05 | 0.00 | 3.05 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1085 | 7.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.90 | 3.04 | 0.00 | 3.04 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1086 | 6.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.90 | 3.03 | 0.00 | 3.03 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1087 | 6.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.91 | 3.02 | 0.00 | 3.02 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1088 | 6.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.91 | 3.01 | 0.00 | 3.01 | 0.00 | 1.61 | 0.10 | 1.18 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1089 | 6.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.91 | 3.00 | 0.00 | 3.00 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1090 | 6.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.91 | 2.99 | 0.00 | 2.99 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1091 | 6.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.91 | 2.98 | 0.00 | 2.98 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1092 | 6.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.92 | 2.97 | 0.00 | 2.97 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1093 | 6.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.92 | 2.96 | 0.00 | 2.96 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1094 | 6.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.92 | 2.95 | 0.00 | 2.95 | 0.00 | 1.61 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1095 | 6.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.92 | 2.94 | 0.00 | 2.94 | 0.00 | 1.62 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1096 | 5.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.92 | 2.93 | 0.00 | 2.93 | 0.00 | 1.62 | 0.10 | 1.18 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1097 | 5.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.93 | 2.92 | 0.00 | 2.92 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1098 | 5.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.93 | 2.91 | 0.00 | 2.91 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1099 | 5.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.93 | 2.90 | 0.00 | 2.90 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1100 | 5.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.93 | 2.89 | 0.00 | 2.89 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1101 | 5.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.93 | 2.88 | 0.00 | 2.88 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1102 | 5.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.94 | 2.87 | 0.00 | 2.87 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1103 | 5.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.94 | 2.86 | 0.00 | 2.86 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1104 | 5.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.94 | 2.85 | 0.00 | 2.85 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1105 | 5.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.94 | 2.84 | 0.00 | 2.84 | 0.00 | 1.62 | 0.10 | 1.18 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1106 | 4.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.94 | 2.83 | 0.00 | 2.83 | 0.00 | 1.62 | 0.10 | 1.18 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1107 | 4.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.95 | 2.82 | 0.00 | 2.82 | 0.00 | 1.62 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1108 | 4.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.95 | 2.81 | 0.00 | 2.81 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1109 | 4.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.95 | 2.80 | 0.00 | 2.80 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1110 | 4.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.95 | 2.79 | 0.00 | 2.79 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1111 | 4.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.96 | 2.78 | 0.00 | 2.78 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1112 | 4.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.96 | 2.77 | 0.00 | 2.77 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1113 | 4.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.96 | 2.76 | 0.00 | 2.76 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1114 | 4.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.96 | 2.75 | 0.00 | 2.75 | 0.00 | 1.63 | 0.10 | 1.19 | 2.91 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1115 | 4.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.97 | 2.74 | 0.00 | 2.74 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1116 | 3.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.97 | 2.73 | 0.00 | 2.73 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1117 | 3.800 | 30.10 | 0.00 | 0.00 | 0.00 | 2.97 | 2.72 | 0.00 | 2.72 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1118 | 3.700 | 30.10 | 0.00 | 0.00 | 0.00 | 2.97 | 2.71 | 0.00 | 2.71 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1119 | 3.600 | 30.10 | 0.00 | 0.00 | 0.00 | 2.98 | 2.70 | 0.00 | 2.70 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1120 | 3.500 | 30.10 | 0.00 | 0.00 | 0.00 | 2.98 | 2.69 | 0.00 | 2.69 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1121 | 3.400 | 30.10 | 0.00 | 0.00 | 0.00 | 2.98 | 2.68 | 0.00 | 2.68 | 0.00 | 1.63 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1122 | 3.300 | 30.10 | 0.00 | 0.00 | 0.00 | 2.98 | 2.67 | 0.00 | 2.67 | 0.00 | 1.64 | 0.10 | 1.19 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1123 | 3.200 | 30.10 | 0.00 | 0.00 | 0.00 | 2.99 | 2.66 | 0.00 | 2.66 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1124 | 3.100 | 30.10 | 0.00 | 0.00 | 0.00 | 2.99 | 2.65 | 0.00 | 2.65 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1125 | 3.000 | 30.10 | 0.00 | 0.00 | 0.00 | 2.99 | 2.64 | 0.00 | 2.64 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1126 | 2.900 | 30.10 | 0.00 | 0.00 | 0.00 | 2.99 | 2.63 | 0.00 | 2.63 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1127 | 2.800 | 30.10 | 0.00 | 0.00 | 0.00 | 3.00 | 2.62 | 0.00 | 2.62 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1128 | 2.700 | 30.10 | 0.00 | 0.00 | 0.00 | 3.00 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1129 | 2.600 | 30.10 | 0.00 | 0.00 | 0.00 | 3.00 | 2.61 | 0.00 | 2.61 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1130 | 2.500 | 30.10 | 0.00 | 0.00 | 0.00 | 3.01 | 2.60 | 0.00 | 2.60 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1131 | 2.400 | 30.10 | 0.00 | 0.00 | 0.00 | 3.01 | 2.59 | 0.00 | 2.59 | 0.00 | 1.64 | 0.10 | 1.19 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1132 | 2.300 | 30.10 | 0.00 | 0.00 | 0.00 | 3.01 | 2.58 | 0.00 | 2.58 | 0.00 | 1.64 | 0.10 | 1.19 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1133 | 2.200 | 30.10 | 0.00 | 0.00 | 0.00 | 3.01 | 2.57 | 0.00 | 2.57 | 0.00 | 1.64 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1134 | 2.100 | 30.10 | 0.00 | 0.00 | 0.00 | 3.02 | 2.56 | 0.00 | 2.56 | 0.00 | 1.64 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1135 | 2.000 | 30.10 | 0.00 | 0.00 | 0.00 | 3.02 | 2.55 | 0.00 | 2.55 | 0.00 | 1.64 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1136 | 1.900 | 30.10 | 0.00 | 0.00 | 0.00 | 3.02 | 2.54 | 0.00 | 2.54 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1137 | 1.800 | 30.10 | 0.00 | 0.00 | 0.00 | 3.03 | 2.53 | 0.00 | 2.53 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1138 | 1.700 | 30.10 | 0.00 | 0.00 | 0.00 | 3.03 | 2.52 | 0.00 | 2.52 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1139 | 1.600 | 30.10 | 0.00 | 0.00 | 0.00 | 3.03 | 2.51 | 0.00 | 2.51 | 0.00 | 1.65 | 0.10 | 1.20 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1140 | 1.500 | 30.10 | 0.00 | 0.00 | 0.00 | 3.03 | 2.51 | 0.00 | 2.51 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1141 | 1.400 | 30.10 | 0.00 | 0.00 | 0.00 | 3.04 | 2.50 | 0.00 | 2.50 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1142 | 1.300 | 30.10 | 0.00 | 0.00 | 0.00 | 3.04 | 2.49 | 0.00 | 2.49 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1143 | 1.200 | 30.10 | 0.00 | 0.00 | 0.00 | 3.04 | 2.48 | 0.00 | 2.48 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1144 | 1.100 | 30.10 | 0.00 | 0.00 | 0.00 | 3.05 | 2.47 | 0.00 | 2.47 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1145 | 1.000 | 30.10 | 0.00 | 0.00 | 0.00 | 3.05 | 2.46 | 0.00 | 2.46 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1146 | 0.900 | 30.10 | 0.00 | 0.00 | 0.00 | 3.05 | 2.45 | 0.00 | 2.45 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1147 | 0.800 | 30.10 | 0.00 | 0.00 | 0.00 | 3.06 | 2.44 | 0.00 | 2.44 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1148 | 0.700 | 30.10 | 0.00 | 0.00 | 0.00 | 3.06 | 2.44 | 0.00 | 2.44 | 0.00 | 1.65 | 0.10 | 1.20 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1149 | 0.600 | 30.10 | 0.00 | 0.00 | 0.00 | 3.06 | 2.43 | 0.00 | 2.43 | 0.00 | 1.65 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1150 | 0.500 | 30.10 | 0.00 | 0.00 | 0.00 | 3.07 | 2.42 | 0.00 | 2.42 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1151 | 0.400 | 30.10 | 0.00 | 0.00 | 0.00 | 3.07 | 2.41 | 0.00 | 2.41 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1152 | 0.300 | 30.10 | 0.00 | 0.00 | 0.00 | 3.07 | 2.40 | 0.00 | 2.40 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1153 | 0.200 | 30.10 | 0.00 | 0.00 | 0.00 | 3.07 | 2.39 | 0.00 | 2.39 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1154 | 0.100 | 30.10 | 0.00 | 0.00 | 0.00 | 3.08 | 2.39 | 0.00 | 2.39 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 1155 | 0.000 | 30.10 | 0.00 | 0.00 | 0.00 | 3.08 | 2.38 | 0.00 | 2.38 | 0.00 | 1.66 | 0.10 | 1.20 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Bayou Cholpe #1 Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 21.15 DAYS

MAXIMUM EFFLUENT = 40.41 PERCENT

FLOW = 0.09485 TO 18.22570 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s
VELOCITY = 0.01007 TO 0.37940 m/s
DEPTH = 0.25 TO 3.20 m
WIDTH = 1.00 TO 80.00 m

BOD DECAY = 0.16 TO 0.32 per day
NH3 DECAY = 0.26 TO 0.48 per day
SOD = 0.94 TO 6.11 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 0.26 TO 11.82 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 24.75 TO 31.30 deg C
DISSOLVED OXYGEN = 2.06 TO 7.87 mg/L
FINAL REPORT Bayou Poydras #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 3 Bayou Poydras #1 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

ELEM TYPE FLOW TEMP SALN CM-I CM-II DO BOD#1 BOD#2 EBOD#1 EBOD#2 ORGN NH3 NO3+2 PHOS CHL A COLI NCM

| NO. | | | deg C | ppt | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | #/100mL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | HDWTR | 0.06597 | 27.00 | 0.00 | 0.00 | 0.00 | 0.30 | 30.67 | 0.00 | 30.67 | 0.00 | 1.54 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | WSTLD | 0.00013 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.50 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | WSTLD | 0.00003 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.50 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | WSTLD | 0.00028 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.50 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | WSTLD | 0.00007 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.50 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m≥/s | PCT EFF | VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | AREA m≤ | PRISM m≥ | SURFACE VELO m/s | X-SECT VELO m≤/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 10.30 | 10.20 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 127 | 10.20 | 10.10 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 128 | 10.10 | 10.00 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 129 | 10.00 | 9.90 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 130 | 9.90 | 9.80 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 131 | 9.80 | 9.70 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 132 | 9.70 | 9.60 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 133 | 9.60 | 9.50 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 134 | 9.50 | 9.40 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 135 | 9.40 | 9.30 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 136 | 9.30 | 9.20 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 137 | 9.20 | 9.10 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 138 | 9.10 | 9.00 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 139 | 9.00 | 8.90 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 140 | 8.90 | 8.80 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 141 | 8.80 | 8.70 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 142 | 8.70 | 8.60 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 143 | 8.60 | 8.50 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 144 | 8.50 | 8.40 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 145 | 8.40 | 8.30 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 146 | 8.30 | 8.20 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 147 | 8.20 | 8.10 | 0.06597 | 0.0 | 0.05497 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 148 | 8.10 | 8.00 | 0.06610 | 0.2 | 0.05508 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 149 | 8.00 | 7.90 | 0.06610 | 0.2 | 0.05508 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 150 | 7.90 | 7.80 | 0.06610 | 0.2 | 0.05508 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 151 | 7.80 | 7.70 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 152 | 7.70 | 7.60 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 153 | 7.60 | 7.50 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 154 | 7.50 | 7.40 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 155 | 7.40 | 7.30 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 156 | 7.30 | 7.20 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 157 | 7.20 | 7.10 | 0.06613 | 0.2 | 0.05511 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 158 | 7.10 | 7.00 | 0.06641 | 0.7 | 0.05534 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 159 | 7.00 | 6.90 | 0.06641 | 0.7 | 0.05534 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 160 | 6.90 | 6.80 | 0.06641 | 0.7 | 0.05534 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 161 | 6.80 | 6.70 | 0.06641 | 0.7 | 0.05534 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |
| 162 | 6.70 | 6.60 | 0.06641 | 0.7 | 0.05534 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 163 | 6.60 | 6.50 | 0.06641 | 0.7 | 0.05534 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 164 | 6.50 | 6.40 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 165 | 6.40 | 6.30 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 166 | 6.30 | 6.20 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 167 | 6.20 | 6.10 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 168 | 6.10 | 6.00 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 169 | 6.00 | 5.90 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 170 | 5.90 | 5.80 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 171 | 5.80 | 5.70 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 172 | 5.70 | 5.60 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 173 | 5.60 | 5.50 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 174 | 5.50 | 5.40 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 175 | 5.40 | 5.30 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 176 | 5.30 | 5.20 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 177 | 5.20 | 5.10 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 178 | 5.10 | 5.00 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 179 | 5.00 | 4.90 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 180 | 4.90 | 4.80 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 181 | 4.80 | 4.70 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |
| 182 | 4.70 | 4.60 | 0.06648 | 0.8 | 0.05540 | 0.02 | 0.30 | 4.00 | 120.00 | 400.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.055 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | | 1.20 | | 6840.00 | 22800.00 | | |
| AVG | | | | 0.0552 | | 0.30 | 4.00 | | 1.20 | |
| CUM | | | | | 1.20 | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 10.200 | 7.97 | 6.40 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 0.86 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 10.100 | 7.97 | 6.40 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.37 | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 10.000 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 9.900 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 9.800 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 9.700 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 9.600 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 9.500 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 9.400 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 9.300 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 9.200 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 9.100 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 9.000 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 8.900 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 8.800 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 8.700 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 8.600 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 8.500 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 8.400 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 8.300 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146 | 8.200 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 8.100 | 7.97 | 6.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 8.000 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 7.900 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 7.800 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 7.700 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 7.600 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 7.500 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 7.400 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 7.300 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 7.200 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 7.100 | 7.97 | 6.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 7.000 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 6.900 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 6.800 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 6.700 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 6.600 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 6.500 | 7.97 | 6.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 6.400 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 6.300 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 6.200 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 6.100 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 6.000 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 5.900 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 5.800 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 5.700 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 5.600 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 5.500 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 5.400 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 5.300 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 5.200 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 5.100 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 5.000 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 4.900 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 4.800 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 4.700 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 4.600 | 7.97 | 6.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 5.62 0.10 0.00 0.00 0.00 0.00 0.00 1.00 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 10.200 | 27.00 | 0.00 | 0.00 | 0.00 | 1.11 | 30.62 | 0.00 | 30.62 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 127 | 10.100 | 27.00 | 0.00 | 0.00 | 0.00 | 1.77 | 30.54 | 0.00 | 30.54 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 128 | 10.000 | 27.00 | 0.00 | 0.00 | 0.00 | 2.33 | 30.45 | 0.00 | 30.45 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 129 | 9.900 | 27.00 | 0.00 | 0.00 | 0.00 | 2.82 | 30.37 | 0.00 | 30.37 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 130 | 9.800 | 27.00 | 0.00 | 0.00 | 0.00 | 3.25 | 30.28 | 0.00 | 30.28 | 0.00 | 1.54 | 0.20 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 131 | 9.700 | 27.00 | 0.00 | 0.00 | 0.00 | 3.64 | 30.19 | 0.00 | 30.19 | 0.00 | 1.54 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 132 | 9.600 | 27.00 | 0.00 | 0.00 | 0.00 | 3.97 | 30.10 | 0.00 | 30.10 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 133 | 9.500 | 27.00 | 0.00 | 0.00 | 0.00 | 4.27 | 30.02 | 0.00 | 30.02 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 134 | 9.400 | 27.00 | 0.00 | 0.00 | 0.00 | 4.53 | 29.93 | 0.00 | 29.93 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 135 | 9.300 | 27.00 | 0.00 | 0.00 | 0.00 | 4.76 | 29.84 | 0.00 | 29.84 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 136 | 9.200 | 27.00 | 0.00 | 0.00 | 0.00 | 4.97 | 29.76 | 0.00 | 29.76 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 137 | 9.100 | 27.00 | 0.00 | 0.00 | 0.00 | 5.15 | 29.67 | 0.00 | 29.67 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 138 | 9.000 | 27.00 | 0.00 | 0.00 | 0.00 | 5.31 | 29.58 | 0.00 | 29.58 | 0.00 | 1.53 | 0.20 | 0.01 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 139 | 8.900 | 27.00 | 0.00 | 0.00 | 0.00 | 5.45 | 29.50 | 0.00 | 29.50 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 140 | 8.800 | 27.00 | 0.00 | 0.00 | 0.00 | 5.57 | 29.41 | 0.00 | 29.41 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 141 | 8.700 | 27.00 | 0.00 | 0.00 | 0.00 | 5.68 | 29.33 | 0.00 | 29.33 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 142 | 8.600 | 27.00 | 0.00 | 0.00 | 0.00 | 5.77 | 29.24 | 0.00 | 29.24 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 143 | 8.500 | 27.00 | 0.00 | 0.00 | 0.00 | 5.86 | 29.16 | 0.00 | 29.16 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 144 | 8.400 | 27.00 | 0.00 | 0.00 | 0.00 | 5.93 | 29.08 | 0.00 | 29.08 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 145 | 8.300 | 27.00 | 0.00 | 0.00 | 0.00 | 6.00 | 28.99 | 0.00 | 28.99 | 0.00 | 1.53 | 0.19 | 0.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 146 | 8.200 | 27.00 | 0.00 | 0.00 | 0.00 | 6.06 | 28.91 | 0.00 | 28.91 | 0.00 | 1.52 | 0.19 | 0.03 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 147 | 8.100 | 27.00 | 0.00 | 0.00 | 0.00 | 6.11 | 28.82 | 0.00 | 28.82 | 0.00 | 1.52 | 0.19 | 0.03 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 148 | 8.000 | 27.00 | 0.00 | 0.00 | 0.00 | 6.16 | 28.77 | 0.00 | 28.77 | 0.00 | 1.52 | 0.19 | 0.03 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 149 | 7.900 | 27.00 | 0.00 | 0.00 | 0.00 | 6.20 | 28.69 | 0.00 | 28.69 | 0.00 | 1.52 | 0.19 | 0.03 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 150 | 7.800 | 27.00 | 0.00 | 0.00 | 0.00 | 6.23 | 28.61 | 0.00 | 28.61 | 0.00 | 1.52 | 0.19 | 0.03 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 151 | 7.700 | 27.00 | 0.00 | 0.00 | 0.00 | 6.27 | 28.53 | 0.00 | 28.53 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 152 | 7.600 | 27.00 | 0.00 | 0.00 | 0.00 | 6.29 | 28.45 | 0.00 | 28.45 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 153 | 7.500 | 27.00 | 0.00 | 0.00 | 0.00 | 6.32 | 28.37 | 0.00 | 28.37 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 154 | 7.400 | 27.00 | 0.00 | 0.00 | 0.00 | 6.34 | 28.29 | 0.00 | 28.29 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 155 | 7.300 | 27.00 | 0.00 | 0.00 | 0.00 | 6.36 | 28.20 | 0.00 | 28.20 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 156 | 7.200 | 27.00 | 0.00 | 0.00 | 0.00 | 6.38 | 28.12 | 0.00 | 28.12 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 157 | 7.100 | 27.00 | 0.00 | 0.00 | 0.00 | 6.40 | 28.04 | 0.00 | 28.04 | 0.00 | 1.52 | 0.19 | 0.04 | 1.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 158 | 7.000 | 27.00 | 0.00 | 0.00 | 0.00 | 6.41 | 27.97 | 0.00 | 27.97 | 0.00 | 1.52 | 0.19 | 0.05 | 1.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 159 | 6.900 | 27.00 | 0.00 | 0.00 | 0.00 | 6.42 | 27.89 | 0.00 | 27.89 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 160 | 6.800 | 27.00 | 0.00 | 0.00 | 0.00 | 6.43 | 27.81 | 0.00 | 27.81 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 161 | 6.700 | 27.00 | 0.00 | 0.00 | 0.00 | 6.44 | 27.73 | 0.00 | 27.73 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 162 | 6.600 | 27.00 | 0.00 | 0.00 | 0.00 | 6.45 | 27.65 | 0.00 | 27.65 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 163 | 6.500 | 27.00 | 0.00 | 0.00 | 0.00 | 6.46 | 27.57 | 0.00 | 27.57 | 0.00 | 1.51 | 0.19 | 0.06 | 1.76 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 164 | 6.400 | 27.00 | 0.00 | 0.00 | 0.00 | 6.47 | 27.51 | 0.00 | 27.51 | 0.00 | 1.51 | 0.19 | 0.06 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 165 | 6.300 | 27.00 | 0.00 | 0.00 | 0.00 | 6.48 | 27.43 | 0.00 | 27.43 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 166 | 6.200 | 27.00 | 0.00 | 0.00 | 0.00 | 6.48 | 27.35 | 0.00 | 27.35 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 167 | 6.100 | 27.00 | 0.00 | 0.00 | 0.00 | 6.49 | 27.27 | 0.00 | 27.27 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 168 | 6.000 | 27.00 | 0.00 | 0.00 | 0.00 | 6.50 | 27.19 | 0.00 | 27.19 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 169 | 5.900 | 27.00 | 0.00 | 0.00 | 0.00 | 6.50 | 27.12 | 0.00 | 27.12 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 170 | 5.800 | 27.00 | 0.00 | 0.00 | 0.00 | 6.51 | 27.04 | 0.00 | 27.04 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 171 | 5.700 | 27.00 | 0.00 | 0.00 | 0.00 | 6.51 | 26.96 | 0.00 | 26.96 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 172 | 5.600 | 27.00 | 0.00 | 0.00 | 0.00 | 6.52 | 26.88 | 0.00 | 26.88 | 0.00 | 1.51 | 0.19 | 0.07 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 173 | 5.500 | 27.00 | 0.00 | 0.00 | 0.00 | 6.52 | 26.81 | 0.00 | 26.81 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 174 | 5.400 | 27.00 | 0.00 | 0.00 | 0.00 | 6.52 | 26.73 | 0.00 | 26.73 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 175 | 5.300 | 27.00 | 0.00 | 0.00 | 0.00 | 6.53 | 26.65 | 0.00 | 26.65 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 176 | 5.200 | 27.00 | 0.00 | 0.00 | 0.00 | 6.53 | 26.58 | 0.00 | 26.58 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 177 | 5.100 | 27.00 | 0.00 | 0.00 | 0.00 | 6.53 | 26.50 | 0.00 | 26.50 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 178 | 5.000 | 27.00 | 0.00 | 0.00 | 0.00 | 6.54 | 26.42 | 0.00 | 26.42 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 179 | 4.900 | 27.00 | 0.00 | 0.00 | 0.00 | 6.54 | 26.35 | 0.00 | 26.35 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 4.800 | 27.00 | 0.00 | 0.00 | 0.00 | 6.54 | 26.27 | 0.00 | 26.27 | 0.00 | 1.50 | 0.18 | 0.08 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 181 | 4.700 | 27.00 | 0.00 | 0.00 | 0.00 | 6.54 | 26.20 | 0.00 | 26.20 | 0.00 | 1.50 | 0.18 | 0.09 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 182 | 4.600 | 27.00 | 0.00 | 0.00 | 0.00 | 6.55 | 26.12 | 0.00 | 26.12 | 0.00 | 1.50 | 0.18 | 0.09 | 1.77 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Poydras #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 4 Bayou Poydras #2 Calibration Simulation for Upper Terrebonne model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | UPR RCH | 0.06648 | 27.00 | 0.00 | 0.00 | 0.00 | 6.55 | 26.12 | 0.00 | 26.12 | 0.00 | 1.50 | 0.18 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00410 | 26.00 | 0.00 | 0.00 | 0.00 | 4.00 | 38.00 | 0.00 | | 2.80 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | |
| 186 | WSTLD | 0.00175 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.50 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | WSTLD | 0.00053 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.50 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | 4.60 | 4.50 | 0.07058 | 0.7 | 0.01471 | 0.08 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.015 |
| 184 | 4.50 | 4.40 | 0.07469 | 0.7 | 0.01556 | 0.07 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.016 |
| 185 | 4.40 | 4.30 | 0.07879 | 0.6 | 0.01642 | 0.07 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.016 |
| 186 | 4.30 | 4.20 | 0.08465 | 2.7 | 0.01763 | 0.07 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.018 |
| 187 | 4.20 | 4.10 | 0.08928 | 3.1 | 0.01860 | 0.06 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.019 |
| 188 | 4.10 | 4.00 | 0.09339 | 3.0 | 0.01946 | 0.06 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.019 |
| 189 | 4.00 | 3.90 | 0.09749 | 2.9 | 0.02031 | 0.06 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.020 |
| 190 | 3.90 | 3.80 | 0.10159 | 2.7 | 0.02117 | 0.05 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.021 |
| 191 | 3.80 | 3.70 | 0.10570 | 2.6 | 0.02202 | 0.05 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.022 |
| 192 | 3.70 | 3.60 | 0.10980 | 2.5 | 0.02288 | 0.05 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.023 |
| 193 | 3.60 | 3.50 | 0.11391 | 2.4 | 0.02373 | 0.05 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.024 |
| 194 | 3.50 | 3.40 | 0.11801 | 2.4 | 0.02459 | 0.05 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.025 |
| 195 | 3.40 | 3.30 | 0.12212 | 2.3 | 0.02544 | 0.05 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.025 |
| 196 | 3.30 | 3.20 | 0.12622 | 2.2 | 0.02630 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.026 |
| 197 | 3.20 | 3.10 | 0.13033 | 2.1 | 0.02715 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.027 |
| 198 | 3.10 | 3.00 | 0.13443 | 2.1 | 0.02801 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.028 |
| 199 | 3.00 | 2.90 | 0.13853 | 2.0 | 0.02886 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.029 |
| 200 | 2.90 | 2.80 | 0.14264 | 2.0 | 0.02972 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.030 |
| 201 | 2.80 | 2.70 | 0.14674 | 1.9 | 0.03057 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.031 |
| 202 | 2.70 | 2.60 | 0.15085 | 1.8 | 0.03143 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.031 |
| 203 | 2.60 | 2.50 | 0.15495 | 1.8 | 0.03228 | 0.04 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.032 |
| 204 | 2.50 | 2.40 | 0.15906 | 1.8 | 0.03314 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.033 |
| 205 | 2.40 | 2.30 | 0.16316 | 1.7 | 0.03399 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.034 |
| 206 | 2.30 | 2.20 | 0.16726 | 1.7 | 0.03485 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.035 |
| 207 | 2.20 | 2.10 | 0.17137 | 1.6 | 0.03570 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.036 |
| 208 | 2.10 | 2.00 | 0.17547 | 1.6 | 0.03656 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.037 |
| 209 | 2.00 | 1.90 | 0.17958 | 1.6 | 0.03741 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.037 |
| 210 | 1.90 | 1.80 | 0.18368 | 1.5 | 0.03827 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.038 |
| 211 | 1.80 | 1.70 | 0.18779 | 1.5 | 0.03912 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.039 |
| 212 | 1.70 | 1.60 | 0.19189 | 1.5 | 0.03998 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.040 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 1.60 | 1.50 | 0.19599 | 1.4 | 0.04083 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.041 |
| 214 | 1.50 | 1.40 | 0.20010 | 1.4 | 0.04169 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.042 |
| 215 | 1.40 | 1.30 | 0.20420 | 1.4 | 0.04254 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.043 |
| 216 | 1.30 | 1.20 | 0.20831 | 1.3 | 0.04340 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.043 |
| 217 | 1.20 | 1.10 | 0.21241 | 1.3 | 0.04425 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.044 |
| 218 | 1.10 | 1.00 | 0.21652 | 1.3 | 0.04511 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.045 |
| 219 | 1.00 | 0.90 | 0.22062 | 1.3 | 0.04596 | 0.03 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.046 |
| 220 | 0.90 | 0.80 | 0.22473 | 1.2 | 0.04682 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.047 |
| 221 | 0.80 | 0.70 | 0.22883 | 1.2 | 0.04767 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.048 |
| 222 | 0.70 | 0.60 | 0.23293 | 1.2 | 0.04853 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.049 |
| 223 | 0.60 | 0.50 | 0.23704 | 1.2 | 0.04938 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.049 |
| 224 | 0.50 | 0.40 | 0.24114 | 1.2 | 0.05024 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.050 |
| 225 | 0.40 | 0.30 | 0.24525 | 1.1 | 0.05109 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 226 | 0.30 | 0.20 | 0.24935 | 1.1 | 0.05195 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.052 |
| 227 | 0.20 | 0.10 | 0.25346 | 1.1 | 0.05280 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.053 |
| 228 | 0.10 | 0.00 | 0.25756 | 1.1 | 0.05366 | 0.02 | 0.60 | 8.00 | 480.00 | 800.00 | 4.80 | 0.00 | 0.000 | 0.000 | 0.054 |
| TOT | | | | | 1.77 | | | 22080.00 | 36800.00 | | | | | | |
| AVG | | | | | 0.0302 | | 0.60 | 8.00 | | | 4.80 | | | | |
| CUM | | | | | 2.96 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | 4.500 | 7.96 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 4.400 | 7.96 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.41 | 1.40 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 4.300 | 7.95 | 1.33 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.41 | 1.41 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 4.200 | 7.94 | 1.34 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.41 | 1.41 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 4.100 | 7.94 | 1.34 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 1.42 | 1.42 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 4.000 | 7.93 | 1.35 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 1.42 | 1.42 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 3.900 | 7.92 | 1.38 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.43 | 1.43 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 3.800 | 7.92 | 1.41 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.43 | 1.43 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 3.700 | 7.91 | 1.44 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.43 | 1.43 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 3.600 | 7.91 | 1.47 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 1.44 | 1.44 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 3.500 | 7.90 | 1.50 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 1.44 | 1.44 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 3.400 | 7.89 | 1.53 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.45 | 1.45 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 3.300 | 7.89 | 1.56 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.45 | 1.45 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 3.200 | 7.88 | 1.58 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.45 | 1.45 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 3.100 | 7.88 | 1.61 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 1.46 | 1.46 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 3.000 | 7.87 | 1.64 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 1.46 | 1.46 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 2.900 | 7.86 | 1.66 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 1.47 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 2.800 | 7.86 | 1.69 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 1.47 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 2.700 | 7.85 | 1.71 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 1.47 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 2.600 | 7.85 | 1.74 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 1.48 | 1.48 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 2.500 | 7.84 | 1.76 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 1.48 | 1.48 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 2.400 | 7.83 | 1.79 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 2.300 | 7.83 | 1.81 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 2.200 | 7.82 | 1.84 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 207 | 2.100 | 7.82 | 1.86 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 2.000 | 7.81 | 1.88 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 1.900 | 7.80 | 1.91 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 1.51 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 1.800 | 7.80 | 1.93 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 1.51 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 1.700 | 7.79 | 1.95 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 1.51 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 1.600 | 7.79 | 1.98 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 1.52 | 1.52 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 1.500 | 7.78 | 2.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 1.52 | 1.52 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 1.400 | 7.77 | 2.02 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 1.53 | 1.53 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 1.300 | 7.77 | 2.04 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 1.53 | 1.53 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 1.200 | 7.76 | 2.06 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 1.54 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 1.100 | 7.76 | 2.09 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 1.54 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 1.000 | 7.75 | 2.11 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 1.54 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 0.900 | 7.74 | 2.13 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 0.800 | 7.74 | 2.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 0.700 | 7.73 | 2.17 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 1.56 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 0.600 | 7.73 | 2.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 1.56 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 0.500 | 7.72 | 2.21 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 1.56 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 0.400 | 7.71 | 2.23 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 1.57 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 0.300 | 7.71 | 2.26 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 1.57 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 0.200 | 7.70 | 2.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 1.58 | 1.58 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 0.100 | 7.70 | 2.30 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 1.58 | 1.58 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 0.000 | 7.69 | 2.32 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 1.59 | 1.59 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 1.55 0.10 0.00 0.00 0.00 0.00 0.00 0.90 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | 4.500 | 27.04 | 0.00 | 0.00 | 0.00 | 6.10 | 26.52 | 0.00 | 26.52 | 0.00 | 1.57 | 0.17 | 0.14 | 1.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 184 | 4.400 | 27.09 | 0.00 | 0.00 | 0.00 | 5.74 | 26.88 | 0.00 | 26.88 | 0.00 | 1.64 | 0.16 | 0.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 185 | 4.300 | 27.13 | 0.00 | 0.00 | 0.00 | 5.44 | 27.19 | 0.00 | 27.19 | 0.00 | 1.69 | 0.15 | 0.24 | 2.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 186 | 4.200 | 27.17 | 0.00 | 0.00 | 0.00 | 5.18 | 27.52 | 0.00 | 27.52 | 0.00 | 1.74 | 0.17 | 0.32 | 2.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 187 | 4.100 | 27.22 | 0.00 | 0.00 | 0.00 | 4.97 | 27.78 | 0.00 | 27.78 | 0.00 | 1.79 | 0.17 | 0.36 | 2.32 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 188 | 4.000 | 27.26 | 0.00 | 0.00 | 0.00 | 4.79 | 28.00 | 0.00 | 28.00 | 0.00 | 1.83 | 0.16 | 0.39 | 2.38 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 189 | 3.900 | 27.30 | 0.00 | 0.00 | 0.00 | 4.65 | 28.19 | 0.00 | 28.19 | 0.00 | 1.87 | 0.15 | 0.42 | 2.44 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 190 | 3.800 | 27.35 | 0.00 | 0.00 | 0.00 | 4.52 | 28.37 | 0.00 | 28.37 | 0.00 | 1.90 | 0.15 | 0.45 | 2.50 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 191 | 3.700 | 27.39 | 0.00 | 0.00 | 0.00 | 4.42 | 28.53 | 0.00 | 28.53 | 0.00 | 1.93 | 0.14 | 0.47 | 2.55 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 192 | 3.600 | 27.43 | 0.00 | 0.00 | 0.00 | 4.34 | 28.68 | 0.00 | 28.68 | 0.00 | 1.96 | 0.14 | 0.49 | 2.59 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 193 | 3.500 | 27.48 | 0.00 | 0.00 | 0.00 | 4.27 | 28.82 | 0.00 | 28.82 | 0.00 | 1.99 | 0.13 | 0.51 | 2.64 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 194 | 3.400 | 27.52 | 0.00 | 0.00 | 0.00 | 4.21 | 28.95 | 0.00 | 28.95 | 0.00 | 2.02 | 0.13 | 0.53 | 2.68 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 195 | 3.300 | 27.57 | 0.00 | 0.00 | 0.00 | 4.16 | 29.07 | 0.00 | 29.07 | 0.00 | 2.04 | 0.12 | 0.55 | 2.71 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 196 | 3.200 | 27.61 | 0.00 | 0.00 | 0.00 | 4.12 | 29.17 | 0.00 | 29.17 | 0.00 | 2.06 | 0.12 | 0.57 | 2.75 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 197 | 3.100 | 27.65 | 0.00 | 0.00 | 0.00 | 4.09 | 29.27 | 0.00 | 29.27 | 0.00 | 2.09 | 0.12 | 0.58 | 2.78 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 198 | 3.000 | 27.70 | 0.00 | 0.00 | 0.00 | 4.06 | 29.37 | 0.00 | 29.37 | 0.00 | 2.11 | 0.11 | 0.60 | 2.81 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 199 | 2.900 | 27.74 | 0.00 | 0.00 | 0.00 | 4.04 | 29.46 | 0.00 | 29.46 | 0.00 | 2.12 | 0.11 | 0.61 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 200 | 2.800 | 27.78 | 0.00 | 0.00 | 0.00 | 4.03 | 29.54 | 0.00 | 29.54 | 0.00 | 2.14 | 0.11 | 0.62 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 201 | 2.700 | 27.83 | 0.00 | 0.00 | 0.00 | 4.02 | 29.61 | 0.00 | 29.61 | 0.00 | 2.16 | 0.11 | 0.63 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 202 | 2.600 | 27.87 | 0.00 | 0.00 | 0.00 | 4.01 | 29.68 | 0.00 | 29.68 | 0.00 | 2.17 | 0.10 | 0.64 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 203 | 2.500 | 27.91 | 0.00 | 0.00 | 0.00 | 4.00 | 29.75 | 0.00 | 29.75 | 0.00 | 2.19 | 0.10 | 0.66 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 204 | 2.400 | 27.96 | 0.00 | 0.00 | 0.00 | 4.00 | 29.81 | 0.00 | 29.81 | 0.00 | 2.20 | 0.10 | 0.67 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 205 | 2.300 | 28.00 | 0.00 | 0.00 | 0.00 | 4.00 | 29.87 | 0.00 | 29.87 | 0.00 | 2.22 | 0.10 | 0.68 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 206 | 2.200 | 28.04 | 0.00 | 0.00 | 0.00 | 4.00 | 29.93 | 0.00 | 29.93 | 0.00 | 2.23 | 0.10 | 0.68 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 207 | 2.100 | 28.09 | 0.00 | 0.00 | 0.00 | 4.01 | 29.98 | 0.00 | 29.98 | 0.00 | 2.24 | 0.09 | 0.69 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 208 | 2.000 | 28.13 | 0.00 | 0.00 | 0.00 | 4.01 | 30.03 | 0.00 | 30.03 | 0.00 | 2.25 | 0.09 | 0.70 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 209 | 1.900 | 28.17 | 0.00 | 0.00 | 0.00 | 4.02 | 30.08 | 0.00 | 30.08 | 0.00 | 2.26 | 0.09 | 0.71 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 210 | 1.800 | 28.22 | 0.00 | 0.00 | 0.00 | 4.02 | 30.12 | 0.00 | 30.12 | 0.00 | 2.27 | 0.09 | 0.72 | 3.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 211 | 1.700 | 28.26 | 0.00 | 0.00 | 0.00 | 4.03 | 30.16 | 0.00 | 30.16 | 0.00 | 2.28 | 0.09 | 0.72 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 212 | 1.600 | 28.30 | 0.00 | 0.00 | 0.00 | 4.04 | 30.20 | 0.00 | 30.20 | 0.00 | 2.29 | 0.09 | 0.73 | 3.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 213 | 1.500 | 28.35 | 0.00 | 0.00 | 0.00 | 4.05 | 30.24 | 0.00 | 30.24 | 0.00 | 2.30 | 0.09 | 0.74 | 3.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 214 | 1.400 | 28.39 | 0.00 | 0.00 | 0.00 | 4.06 | 30.28 | 0.00 | 30.28 | 0.00 | 2.31 | 0.09 | 0.74 | 3.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 215 | 1.300 | 28.43 | 0.00 | 0.00 | 0.00 | 4.07 | 30.31 | 0.00 | 30.31 | 0.00 | 2.32 | 0.08 | 0.75 | 3.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 216 | 1.200 | 28.48 | 0.00 | 0.00 | 0.00 | 4.08 | 30.34 | 0.00 | 30.34 | 0.00 | 2.33 | 0.08 | 0.75 | 3.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 217 | 1.100 | 28.52 | 0.00 | 0.00 | 0.00 | 4.09 | 30.37 | 0.00 | 30.37 | 0.00 | 2.33 | 0.08 | 0.76 | 3.18 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 218 | 1.000 | 28.57 | 0.00 | 0.00 | 0.00 | 4.10 | 30.40 | 0.00 | 30.40 | 0.00 | 2.34 | 0.08 | 0.76 | 3.19 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 219 | 0.900 | 28.61 | 0.00 | 0.00 | 0.00 | 4.11 | 30.43 | 0.00 | 30.43 | 0.00 | 2.35 | 0.08 | 0.77 | 3.20 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 220 | 0.800 | 28.65 | 0.00 | 0.00 | 0.00 | 4.12 | 30.45 | 0.00 | 30.45 | 0.00 | 2.36 | 0.08 | 0.77 | 3.21 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 221 | 0.700 | 28.70 | 0.00 | 0.00 | 0.00 | 4.14 | 30.48 | 0.00 | 30.48 | 0.00 | 2.36 | 0.08 | 0.78 | 3.22 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 222 | 0.600 | 28.74 | 0.00 | 0.00 | 0.00 | 4.15 | 30.50 | 0.00 | 30.50 | 0.00 | 2.37 | 0.08 | 0.78 | 3.23 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 223 | 0.500 | 28.78 | 0.00 | 0.00 | 0.00 | 4.16 | 30.53 | 0.00 | 30.53 | 0.00 | 2.37 | 0.08 | 0.79 | 3.24 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 224 | 0.400 | 28.83 | 0.00 | 0.00 | 0.00 | 4.17 | 30.55 | 0.00 | 30.55 | 0.00 | 2.38 | 0.08 | 0.79 | 3.25 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 225 | 0.300 | 28.87 | 0.00 | 0.00 | 0.00 | 4.18 | 30.57 | 0.00 | 30.57 | 0.00 | 2.39 | 0.08 | 0.80 | 3.26 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 226 | 0.200 | 28.91 | 0.00 | 0.00 | 0.00 | 4.19 | 30.59 | 0.00 | 30.59 | 0.00 | 2.39 | 0.08 | 0.80 | 3.27 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 227 | 0.100 | 28.96 | 0.00 | 0.00 | 0.00 | 4.20 | 30.61 | 0.00 | 30.61 | 0.00 | 2.40 | 0.08 | 0.80 | 3.28 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 228 | 0.000 | 29.00 | 0.00 | 0.00 | 0.00 | 4.21 | 30.63 | 0.00 | 30.63 | 0.00 | 2.40 | 0.07 | 0.81 | 3.29 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Bayou Poydras #1 Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 2.96 DAYS

MAXIMUM EFFLUENT = 3.12 PERCENT

FLOW = 0.06597 TO 0.25756 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s
VELOCITY = 0.01471 TO 0.05540 m/s
DEPTH = 0.30 TO 0.60 m
WIDTH = 4.00 TO 8.00 m

BOD DECAY = 0.08 TO 0.15 per day
NH3 DECAY = 0.03 TO 0.36 per day
SOD = 0.86 TO 1.59 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 1.33 TO 6.43 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 27.00 TO 29.00 deg C

DISSOLVED OXYGEN = 1.11 TO 6.55 mg/L
FINAL REPORT Chamberlin Canal #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 6 Chamberlin Canal #1 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | HDWTR | 0.00050 | 26.30 | 0.00 | 0.00 | 0.00 | 2.10 | 9.28 | 0.00 | 9.28 | 0.00 | 1.18 | 0.10 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00005 | 26.00 | 0.00 | 0.00 | 0.00 | 4.00 | 25.00 | 0.00 | | | 2.40 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | AREA m≤ | PRISM m≥ | SURFACE VELO m/s | X-SECT VELO m≤/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 7.50 | 7.40 | 0.00055 | 0.0 | 0.00273 | 0.42 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 273 | 7.40 | 7.30 | 0.00059 | 0.0 | 0.00295 | 0.39 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 274 | 7.30 | 7.20 | 0.00064 | 0.0 | 0.00318 | 0.36 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 275 | 7.20 | 7.10 | 0.00068 | 0.0 | 0.00341 | 0.34 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 276 | 7.10 | 7.00 | 0.00073 | 0.0 | 0.00364 | 0.32 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.004 | | |
| 277 | 7.00 | 6.90 | 0.00077 | 0.0 | 0.00386 | 0.30 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.004 | | |
| 278 | 6.90 | 6.80 | 0.00082 | 0.0 | 0.00409 | 0.28 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.004 | | |
| 279 | 6.80 | 6.70 | 0.00086 | 0.0 | 0.00432 | 0.27 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.004 | | |
| 280 | 6.70 | 6.60 | 0.00091 | 0.0 | 0.00455 | 0.25 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.005 | | |
| 281 | 6.60 | 6.50 | 0.00095 | 0.0 | 0.00477 | 0.24 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.005 | | |
| 282 | 6.50 | 6.40 | 0.00100 | 0.0 | 0.00500 | 0.23 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.005 | | |
| 283 | 6.40 | 6.30 | 0.00105 | 0.0 | 0.00523 | 0.22 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.005 | | |
| 284 | 6.30 | 6.20 | 0.00109 | 0.0 | 0.00545 | 0.21 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.005 | | |
| 285 | 6.20 | 6.10 | 0.00114 | 0.0 | 0.00568 | 0.20 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 286 | 6.10 | 6.00 | 0.00118 | 0.0 | 0.00591 | 0.20 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 287 | 6.00 | 5.90 | 0.00123 | 0.0 | 0.00614 | 0.19 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 288 | 5.90 | 5.80 | 0.00127 | 0.0 | 0.00636 | 0.18 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 289 | 5.80 | 5.70 | 0.00132 | 0.0 | 0.00659 | 0.18 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.007 | | |
| 290 | 5.70 | 5.60 | 0.00136 | 0.0 | 0.00682 | 0.17 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.007 | | |
| 291 | 5.60 | 5.50 | 0.00141 | 0.0 | 0.00705 | 0.16 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.007 | | |
| 292 | 5.50 | 5.40 | 0.00145 | 0.0 | 0.00727 | 0.16 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.007 | | |
| 293 | 5.40 | 5.30 | 0.00150 | 0.0 | 0.00750 | 0.15 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.008 | | |
| 294 | 5.30 | 5.20 | 0.00155 | 0.0 | 0.00773 | 0.15 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.008 | | |
| 295 | 5.20 | 5.10 | 0.00159 | 0.0 | 0.00795 | 0.15 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.008 | | |
| 296 | 5.10 | 5.00 | 0.00164 | 0.0 | 0.00818 | 0.14 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.008 | | |
| 297 | 5.00 | 4.90 | 0.00168 | 0.0 | 0.00841 | 0.14 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.008 | | |
| 298 | 4.90 | 4.80 | 0.00173 | 0.0 | 0.00864 | 0.13 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.009 | | |
| 299 | 4.80 | 4.70 | 0.00177 | 0.0 | 0.00886 | 0.13 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.009 | | |
| 300 | 4.70 | 4.60 | 0.00182 | 0.0 | 0.00909 | 0.13 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.009 | | |
| 301 | 4.60 | 4.50 | 0.00186 | 0.0 | 0.00932 | 0.12 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.009 | | |
| 302 | 4.50 | 4.40 | 0.00191 | 0.0 | 0.00955 | 0.12 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 303 | 4.40 | 4.30 | 0.00195 | 0.0 | 0.00977 | 0.12 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.010 | | |
| 304 | 4.30 | 4.20 | 0.00200 | 0.0 | 0.01000 | 0.12 | 0.10 | 2.00 | 20.00 | 200.00 | 0.20 | 0.00 | 0.000 | 0.000 | 0.010 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | | | | 6.89 | | | | | 660.00 | 6600.00 | | | | | | | | | | | | |
| AVG | | | | | | | 0.0055 | | 0.10 | 2.00 | | | | 0.20 | | | | | | | | | | | |
| CUM | | | | | | | 6.89 | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 272 | 7.400 | 8.06 | 7.90 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.01 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 7.300 | 8.05 | 7.91 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.01 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 7.200 | 8.03 | 7.94 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.01 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 7.100 | 8.02 | 8.23 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.01 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 7.000 | 8.01 | 8.51 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.01 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 6.900 | 8.00 | 8.79 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.01 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 6.800 | 7.99 | 9.05 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.01 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 6.700 | 7.97 | 9.32 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 6.600 | 7.96 | 9.57 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 6.500 | 7.95 | 9.82 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 6.400 | 7.94 | 10.07 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.01 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 6.300 | 7.93 | 10.31 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 2.06 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 6.200 | 7.92 | 10.55 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 6.100 | 7.90 | 10.78 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 6.000 | 7.89 | 11.01 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 2.09 | 0.01 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 5.900 | 7.88 | 11.24 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 5.800 | 7.87 | 11.46 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 2.11 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 5.700 | 7.86 | 11.57 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 5.600 | 7.85 | 11.59 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 5.500 | 7.84 | 11.60 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 5.400 | 7.82 | 11.62 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 2.15 | 2.15 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 5.300 | 7.81 | 11.64 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.17 | 2.17 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 5.200 | 7.80 | 11.65 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 2.18 | 2.18 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 5.100 | 7.79 | 11.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 2.19 | 2.19 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 5.000 | 7.78 | 11.69 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 2.20 | 2.20 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 4.900 | 7.77 | 11.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 2.21 | 2.21 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 4.800 | 7.76 | 11.72 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 2.22 | 2.22 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 4.700 | 7.75 | 11.74 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 2.23 | 2.23 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 4.600 | 7.74 | 11.75 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 2.24 | 2.24 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 4.500 | 7.72 | 11.77 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 4.400 | 7.71 | 11.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 | 2.27 | 2.27 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 4.300 | 7.70 | 11.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.28 | 2.28 | 2.28 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 4.200 | 7.69 | 11.82 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.29 | 2.29 | 2.29 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 9.16 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 7.400 | 26.38 | 0.00 | 0.00 | 0.00 | 4.65 | 9.86 | 0.00 | 9.86 | 0.00 | 1.28 | 0.09 | 0.08 | 1.44 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 273 | 7.300 | 26.46 | 0.00 | 0.00 | 0.00 | 5.16 | 10.32 | 0.00 | 10.32 | 0.00 | 1.36 | 0.08 | 0.09 | 1.52 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 274 | 7.200 | 26.55 | 0.00 | 0.00 | 0.00 | 5.25 | 10.68 | 0.00 | 10.68 | 0.00 | 1.42 | 0.07 | 0.09 | 1.59 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 275 | 7.100 | 26.63 | 0.00 | 0.00 | 0.00 | 5.32 | 10.98 | 0.00 | 10.98 | 0.00 | 1.48 | 0.06 | 0.10 | 1.64 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 276 | 7.000 | 26.71 | 0.00 | 0.00 | 0.00 | 5.38 | 11.23 | 0.00 | 11.23 | 0.00 | 1.54 | 0.06 | 0.10 | 1.69 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 277 | 6.900 | 26.79 | 0.00 | 0.00 | 0.00 | 5.44 | 11.43 | 0.00 | 11.43 | 0.00 | 1.58 | 0.06 | 0.10 | 1.74 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 278 | 6.800 | 26.87 | 0.00 | 0.00 | 0.00 | 5.49 | 11.60 | 0.00 | 11.60 | 0.00 | 1.62 | 0.05 | 0.10 | 1.78 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 279 | 6.700 | 26.95 | 0.00 | 0.00 | 0.00 | 5.53 | 11.74 | 0.00 | 11.74 | 0.00 | 1.66 | 0.05 | 0.10 | 1.81 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 280 | 6.600 | 27.04 | 0.00 | 0.00 | 0.00 | 5.57 | 11.86 | 0.00 | 11.86 | 0.00 | 1.69 | 0.05 | 0.11 | 1.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 281 | 6.500 | 27.12 | 0.00 | 0.00 | 0.00 | 5.61 | 11.96 | 0.00 | 11.96 | 0.00 | 1.72 | 0.05 | 0.11 | 1.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 282 | 6.400 | 27.20 | 0.00 | 0.00 | 0.00 | 5.64 | 12.05 | 0.00 | 12.05 | 0.00 | 1.74 | 0.05 | 0.11 | 1.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 283 | 6.300 | 27.28 | 0.00 | 0.00 | 0.00 | 5.67 | 12.13 | 0.00 | 12.13 | 0.00 | 1.77 | 0.05 | 0.11 | 1.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 284 | 6.200 | 27.36 | 0.00 | 0.00 | 0.00 | 5.70 | 12.19 | 0.00 | 12.19 | 0.00 | 1.79 | 0.05 | 0.11 | 1.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 285 | 6.100 | 27.45 | 0.00 | 0.00 | 0.00 | 5.72 | 12.25 | 0.00 | 12.25 | 0.00 | 1.81 | 0.04 | 0.11 | 1.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 286 | 6.000 | 27.53 | 0.00 | 0.00 | 0.00 | 5.74 | 12.29 | 0.00 | 12.29 | 0.00 | 1.83 | 0.04 | 0.11 | 1.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 287 | 5.900 | 27.61 | 0.00 | 0.00 | 0.00 | 5.77 | 12.34 | 0.00 | 12.34 | 0.00 | 1.85 | 0.04 | 0.11 | 2.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 288 | 5.800 | 27.69 | 0.00 | 0.00 | 0.00 | 5.78 | 12.37 | 0.00 | 12.37 | 0.00 | 1.86 | 0.04 | 0.11 | 2.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 289 | 5.700 | 27.77 | 0.00 | 0.00 | 0.00 | 5.79 | 12.40 | 0.00 | 12.40 | 0.00 | 1.88 | 0.04 | 0.11 | 2.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 290 | 5.600 | 27.85 | 0.00 | 0.00 | 0.00 | 5.78 | 12.43 | 0.00 | 12.43 | 0.00 | 1.89 | 0.04 | 0.11 | 2.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 291 | 5.500 | 27.94 | 0.00 | 0.00 | 0.00 | 5.76 | 12.45 | 0.00 | 12.45 | 0.00 | 1.90 | 0.04 | 0.11 | 2.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 292 | 5.400 | 28.02 | 0.00 | 0.00 | 0.00 | 5.74 | 12.47 | 0.00 | 12.47 | 0.00 | 1.92 | 0.04 | 0.11 | 2.07 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 293 | 5.300 | 28.10 | 0.00 | 0.00 | 0.00 | 5.73 | 12.49 | 0.00 | 12.49 | 0.00 | 1.93 | 0.04 | 0.11 | 2.08 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 294 | 5.200 | 28.18 | 0.00 | 0.00 | 0.00 | 5.71 | 12.50 | 0.00 | 12.50 | 0.00 | 1.94 | 0.04 | 0.12 | 2.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 295 | 5.100 | 28.26 | 0.00 | 0.00 | 0.00 | 5.69 | 12.51 | 0.00 | 12.51 | 0.00 | 1.95 | 0.04 | 0.12 | 2.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 296 | 5.000 | 28.35 | 0.00 | 0.00 | 0.00 | 5.67 | 12.52 | 0.00 | 12.52 | 0.00 | 1.96 | 0.04 | 0.12 | 2.11 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 297 | 4.900 | 28.43 | 0.00 | 0.00 | 0.00 | 5.65 | 12.53 | 0.00 | 12.53 | 0.00 | 1.96 | 0.04 | 0.12 | 2.12 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 298 | 4.800 | 28.51 | 0.00 | 0.00 | 0.00 | 5.63 | 12.53 | 0.00 | 12.53 | 0.00 | 1.97 | 0.04 | 0.12 | 2.13 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 299 | 4.700 | 28.59 | 0.00 | 0.00 | 0.00 | 5.62 | 12.54 | 0.00 | 12.54 | 0.00 | 1.98 | 0.04 | 0.12 | 2.14 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 300 | 4.600 | 28.67 | 0.00 | 0.00 | 0.00 | 5.60 | 12.54 | 0.00 | 12.54 | 0.00 | 1.99 | 0.04 | 0.12 | 2.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 301 | 4.500 | 28.75 | 0.00 | 0.00 | 0.00 | 5.58 | 12.54 | 0.00 | 12.54 | 0.00 | 2.00 | 0.04 | 0.12 | 2.15 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 302 | 4.400 | 28.84 | 0.00 | 0.00 | 0.00 | 5.56 | 12.54 | 0.00 | 12.54 | 0.00 | 2.00 | 0.04 | 0.12 | 2.16 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 303 | 4.300 | 28.92 | 0.00 | 0.00 | 0.00 | 5.54 | 12.54 | 0.00 | 12.54 | 0.00 | 2.01 | 0.04 | 0.12 | 2.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 304 | 4.200 | 29.00 | 0.00 | 0.00 | 0.00 | 5.53 | 12.54 | 0.00 | 12.54 | 0.00 | 2.01 | 0.04 | 0.12 | 2.17 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Chamberlin Canal #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 7 Chamberlin Canal #2 Calibration Simulation for Upper Terrebonne model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 305 | UPR RCH | 0.00200 | 29.00 | 0.00 | 0.00 | 0.00 | 5.53 | 12.54 | 0.00 | 12.54 | 0.00 | 2.01 | 0.04 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00012 | 26.00 | 0.00 | 0.00 | 0.00 | 4.00 | 25.00 | 0.00 | | 2.40 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| 305 | WSTLD | 0.00215 | 27.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 2.00 | 1.50 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME AREA m≥ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 305 | 4.20 | 4.10 | 0.00427 | 50.4 | 0.00285 | 0.41 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 306 | 4.10 | 4.00 | 0.00439 | 49.0 | 0.00293 | 0.40 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 307 | 4.00 | 3.90 | 0.00451 | 47.7 | 0.00300 | 0.39 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 308 | 3.90 | 3.80 | 0.00463 | 46.5 | 0.00308 | 0.38 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 309 | 3.80 | 3.70 | 0.00475 | 45.3 | 0.00316 | 0.37 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 310 | 3.70 | 3.60 | 0.00486 | 44.2 | 0.00324 | 0.36 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 311 | 3.60 | 3.50 | 0.00498 | 43.1 | 0.00332 | 0.35 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 312 | 3.50 | 3.40 | 0.00510 | 42.1 | 0.00340 | 0.34 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 313 | 3.40 | 3.30 | 0.00522 | 41.2 | 0.00348 | 0.33 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.003 |
| 314 | 3.30 | 3.20 | 0.00534 | 40.3 | 0.00356 | 0.33 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 315 | 3.20 | 3.10 | 0.00546 | 39.4 | 0.00364 | 0.32 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 316 | 3.10 | 3.00 | 0.00558 | 38.5 | 0.00372 | 0.31 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 317 | 3.00 | 2.90 | 0.00570 | 37.7 | 0.00380 | 0.30 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 318 | 2.90 | 2.80 | 0.00582 | 37.0 | 0.00388 | 0.30 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 319 | 2.80 | 2.70 | 0.00594 | 36.2 | 0.00396 | 0.29 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 320 | 2.70 | 2.60 | 0.00605 | 35.5 | 0.00404 | 0.29 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 321 | 2.60 | 2.50 | 0.00617 | 34.8 | 0.00412 | 0.28 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 322 | 2.50 | 2.40 | 0.00629 | 34.2 | 0.00420 | 0.28 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 323 | 2.40 | 2.30 | 0.00641 | 33.5 | 0.00427 | 0.27 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 324 | 2.30 | 2.20 | 0.00653 | 32.9 | 0.00435 | 0.27 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 325 | 2.20 | 2.10 | 0.00665 | 32.3 | 0.00443 | 0.26 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.004 |
| 326 | 2.10 | 2.00 | 0.00677 | 31.8 | 0.00451 | 0.26 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 327 | 2.00 | 1.90 | 0.00689 | 31.2 | 0.00459 | 0.25 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 328 | 1.90 | 1.80 | 0.00701 | 30.7 | 0.00467 | 0.25 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 329 | 1.80 | 1.70 | 0.00713 | 30.2 | 0.00475 | 0.24 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 330 | 1.70 | 1.60 | 0.00725 | 29.7 | 0.00483 | 0.24 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 331 | 1.60 | 1.50 | 0.00736 | 29.2 | 0.00491 | 0.24 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 332 | 1.50 | 1.40 | 0.00748 | 28.7 | 0.00499 | 0.23 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 333 | 1.40 | 1.30 | 0.00760 | 28.3 | 0.00507 | 0.23 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 334 | 1.30 | 1.20 | 0.00772 | 27.8 | 0.00515 | 0.22 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 335 | 1.20 | 1.10 | 0.00784 | 27.4 | 0.00523 | 0.22 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 336 | 1.10 | 1.00 | 0.00796 | 27.0 | 0.00531 | 0.22 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 337 | 1.00 | 0.90 | 0.00808 | 26.6 | 0.00539 | 0.21 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 338 | 0.90 | 0.80 | 0.00820 | 26.2 | 0.00547 | 0.21 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.005 |
| 339 | 0.80 | 0.70 | 0.00832 | 25.9 | 0.00554 | 0.21 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 340 | 0.70 | 0.60 | 0.00844 | 25.5 | 0.00562 | 0.21 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 341 | 0.60 | 0.50 | 0.00855 | 25.1 | 0.00570 | 0.20 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 342 | 0.50 | 0.40 | 0.00867 | 24.8 | 0.00578 | 0.20 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 343 | 0.40 | 0.30 | 0.00879 | 24.5 | 0.00586 | 0.20 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 344 | 0.30 | 0.20 | 0.00891 | 24.1 | 0.00594 | 0.19 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 345 | 0.20 | 0.10 | 0.00903 | 23.8 | 0.00602 | 0.19 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| 346 | 0.10 | 0.00 | 0.00915 | 23.5 | 0.00610 | 0.19 | 0.30 | 5.00 | 150.00 | 500.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.006 |
| TOT | | | | 11.42 | | | | | 6300.00 | 21000.00 | | | | | |
| AVG | | | | 0.0043 | | | 0.30 | 5.00 | | | 1.50 | | | | |
| CUM | | | | 18.31 | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 305 | 4.100 | 7.68 | 2.76 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 2.30 | 2.30 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 4.000 | 7.68 | 2.76 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 2.31 | 2.31 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 3.900 | 7.67 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 2.32 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 3.800 | 7.66 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 2.32 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 3.700 | 7.65 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.33 | 2.33 | 0.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 3.600 | 7.65 | 2.77 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 3.500 | 7.64 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 3.400 | 7.63 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 3.300 | 7.63 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 2.36 | 2.36 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 3.200 | 7.62 | 2.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.37 | 2.37 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 3.100 | 7.61 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 2.38 | 2.38 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 3.000 | 7.60 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.39 | 2.39 | 2.39 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 2.900 | 7.60 | 2.79 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.01 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 2.800 | 7.59 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 2.40 | 2.40 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 2.700 | 7.58 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 2.600 | 7.57 | 2.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 | 2.42 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 2.500 | 7.57 | 2.80 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 2.43 | 2.43 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 2.400 | 7.56 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 2.44 | 2.44 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 2.300 | 7.55 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 2.200 | 7.55 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.45 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 2.100 | 7.54 | 2.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 2.46 | 2.46 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 2.000 | 7.53 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 2.47 | 2.47 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 1.900 | 7.52 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 2.48 | 2.48 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 1.800 | 7.52 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 2.49 | 2.49 | 0.01 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 1.700 | 7.51 | 2.82 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 1.600 | 7.50 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 2.51 | 2.51 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 1.500 | 7.50 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 2.51 | 2.51 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 1.400 | 7.49 | 2.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.01 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 1.300 | 7.48 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.01 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 1.200 | 7.48 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.01 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 3.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 1.100 | 7.47 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.01 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 3.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 1.000 | 7.46 | 2.84 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 0.900 | 7.45 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 2.57 | 2.57 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 0.800 | 7.45 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 2.58 | 2.58 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 0.700 | 7.44 | 2.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.59 | 2.59 | 2.59 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 0.600 | 7.43 | 2.85 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.59 | 2.59 | 2.59 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 0.500 | 7.43 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.60 | 2.60 | 2.60 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 0.400 | 7.42 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 2.61 | 2.61 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 0.300 | 7.41 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.62 | 2.62 | 2.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 0.200 | 7.41 | 2.86 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 2.63 | 2.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 0.100 | 7.40 | 2.87 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 2.64 | 2.64 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 0.000 | 7.39 | 2.87 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.65 | 2.65 | 2.65 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.33 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 305 | 4.100 | 29.05 | 0.00 | 0.00 | 0.00 | 4.12 | 20.07 | 0.00 | 20.07 | 0.00 | 2.01 | 0.68 | 0.41 | 3.10 | 0.00 | 1.57 | 0.00 | 0. | 0.00 |
| 306 | 4.000 | 29.11 | 0.00 | 0.00 | 0.00 | 3.70 | 18.74 | 0.00 | 18.74 | 0.00 | 2.01 | 0.59 | 0.47 | 3.08 | 0.00 | 3.14 | 0.00 | 0. | 0.00 |
| 307 | 3.900 | 29.16 | 0.00 | 0.00 | 0.00 | 3.58 | 17.57 | 0.00 | 17.57 | 0.00 | 2.01 | 0.52 | 0.52 | 3.05 | 0.00 | 4.71 | 0.00 | 0. | 0.00 |
| 308 | 3.800 | 29.22 | 0.00 | 0.00 | 0.00 | 3.60 | 16.53 | 0.00 | 16.53 | 0.00 | 2.01 | 0.45 | 0.56 | 3.03 | 0.00 | 6.29 | 0.00 | 0. | 0.00 |
| 309 | 3.700 | 29.27 | 0.00 | 0.00 | 0.00 | 3.67 | 15.60 | 0.00 | 15.60 | 0.00 | 2.01 | 0.40 | 0.59 | 3.00 | 0.00 | 7.86 | 0.00 | 0. | 0.00 |
| 310 | 3.600 | 29.33 | 0.00 | 0.00 | 0.00 | 3.76 | 14.78 | 0.00 | 14.78 | 0.00 | 2.01 | 0.35 | 0.61 | 2.98 | 0.00 | 9.43 | 0.00 | 0. | 0.00 |
| 311 | 3.500 | 29.38 | 0.00 | 0.00 | 0.00 | 3.85 | 14.05 | 0.00 | 14.05 | 0.00 | 2.01 | 0.31 | 0.62 | 2.95 | 0.00 | 11.00 | 0.00 | 0. | 0.00 |
| 312 | 3.400 | 29.44 | 0.00 | 0.00 | 0.00 | 3.94 | 13.39 | 0.00 | 13.39 | 0.00 | 2.01 | 0.28 | 0.63 | 2.92 | 0.00 | 12.57 | 0.00 | 0. | 0.00 |
| 313 | 3.300 | 29.49 | 0.00 | 0.00 | 0.00 | 4.03 | 12.80 | 0.00 | 12.80 | 0.00 | 2.02 | 0.25 | 0.63 | 2.89 | 0.00 | 14.14 | 0.00 | 0. | 0.00 |
| 314 | 3.200 | 29.55 | 0.00 | 0.00 | 0.00 | 4.11 | 12.27 | 0.00 | 12.27 | 0.00 | 2.02 | 0.23 | 0.62 | 2.86 | 0.00 | 15.71 | 0.00 | 0. | 0.00 |
| 315 | 3.100 | 29.60 | 0.00 | 0.00 | 0.00 | 4.18 | 11.79 | 0.00 | 11.79 | 0.00 | 2.02 | 0.20 | 0.61 | 2.83 | 0.00 | 17.29 | 0.00 | 0. | 0.00 |
| 316 | 3.000 | 29.66 | 0.00 | 0.00 | 0.00 | 4.26 | 11.35 | 0.00 | 11.35 | 0.00 | 2.02 | 0.19 | 0.60 | 2.80 | 0.00 | 18.86 | 0.00 | 0. | 0.00 |
| 317 | 2.900 | 29.71 | 0.00 | 0.00 | 0.00 | 4.32 | 10.96 | 0.00 | 10.96 | 0.00 | 2.02 | 0.17 | 0.58 | 2.77 | 0.00 | 20.43 | 0.00 | 0. | 0.00 |
| 318 | 2.800 | 29.77 | 0.00 | 0.00 | 0.00 | 4.39 | 10.60 | 0.00 | 10.60 | 0.00 | 2.02 | 0.16 | 0.56 | 2.74 | 0.00 | 22.00 | 0.00 | 0. | 0.00 |
| 319 | 2.700 | 29.82 | 0.00 | 0.00 | 0.00 | 4.45 | 10.28 | 0.00 | 10.28 | 0.00 | 2.02 | 0.14 | 0.54 | 2.70 | 0.00 | 23.57 | 0.00 | 0. | 0.00 |
| 320 | 2.600 | 29.88 | 0.00 | 0.00 | 0.00 | 4.51 | 9.98 | 0.00 | 9.98 | 0.00 | 2.02 | 0.13 | 0.52 | 2.67 | 0.00 | 25.14 | 0.00 | 0. | 0.00 |
| 321 | 2.500 | 29.93 | 0.00 | 0.00 | 0.00 | 4.56 | 9.71 | 0.00 | 9.71 | 0.00 | 2.02 | 0.12 | 0.49 | 2.64 | 0.00 | 26.71 | 0.00 | 0. | 0.00 |
| 322 | 2.400 | 29.99 | 0.00 | 0.00 | 0.00 | 4.62 | 9.46 | 0.00 | 9.46 | 0.00 | 2.02 | 0.12 | 0.47 | 2.60 | 0.00 | 28.29 | 0.00 | 0. | 0.00 |
| 323 | 2.300 | 30.04 | 0.00 | 0.00 | 0.00 | 4.67 | 9.24 | 0.00 | 9.24 | 0.00 | 2.02 | 0.11 | 0.44 | 2.57 | 0.00 | 29.86 | 0.00 | 0. | 0.00 |
| 324 | 2.200 | 30.10 | 0.00 | 0.00 | 0.00 | 4.72 | 9.03 | 0.00 | 9.03 | 0.00 | 2.02 | 0.10 | 0.41 | 2.53 | 0.00 | 31.43 | 0.00 | 0. | 0.00 |
| 325 | 2.100 | 30.15 | 0.00 | 0.00 | 0.00 | 4.76 | 8.84 | 0.00 | 8.84 | 0.00 | 2.02 | 0.10 | 0.38 | 2.50 | 0.00 | 33.00 | 0.00 | 0. | 0.00 |
| 326 | 2.000 | 30.20 | 0.00 | 0.00 | 0.00 | 4.81 | 8.66 | 0.00 | 8.66 | 0.00 | 2.02 | 0.09 | 0.35 | 2.46 | 0.00 | 34.57 | 0.00 | 0. | 0.00 |
| 327 | 1.900 | 30.26 | 0.00 | 0.00 | 0.00 | 4.85 | 8.49 | 0.00 | 8.49 | 0.00 | 2.02 | 0.09 | 0.32 | 2.42 | 0.00 | 36.14 | 0.00 | 0. | 0.00 |
| 328 | 1.800 | 30.31 | 0.00 | 0.00 | 0.00 | 4.90 | 8.34 | 0.00 | 8.34 | 0.00 | 2.02 | 0.08 | 0.28 | 2.39 | 0.00 | 37.71 | 0.00 | 0. | 0.00 |
| 329 | 1.700 | 30.37 | 0.00 | 0.00 | 0.00 | 4.94 | 8.20 | 0.00 | 8.20 | 0.00 | 2.02 | 0.08 | 0.25 | 2.35 | 0.00 | 39.29 | 0.00 | 0. | 0.00 |
| 330 | 1.600 | 30.42 | 0.00 | 0.00 | 0.00 | 4.98 | 8.07 | 0.00 | 8.07 | 0.00 | 2.02 | 0.08 | 0.21 | 2.31 | 0.00 | 40.86 | 0.00 | 0. | 0.00 |
| 331 | 1.500 | 30.48 | 0.00 | 0.00 | 0.00 | 5.02 | 7.95 | 0.00 | 7.95 | 0.00 | 2.02 | 0.07 | 0.18 | 2.27 | 0.00 | 42.43 | 0.00 | 0. | 0.00 |
| 332 | 1.400 | 30.53 | 0.00 | 0.00 | 0.00 | 5.06 | 7.84 | 0.00 | 7.84 | 0.00 | 2.02 | 0.07 | 0.14 | 2.23 | 0.00 | 44.00 | 0.00 | 0. | 0.00 |
| 333 | 1.300 | 30.59 | 0.00 | 0.00 | 0.00 | 5.10 | 7.74 | 0.00 | 7.74 | 0.00 | 2.02 | 0.07 | 0.10 | 2.20 | 0.00 | 45.57 | 0.00 | 0. | 0.00 |
| 334 | 1.200 | 30.64 | 0.00 | 0.00 | 0.00 | 5.14 | 7.64 | 0.00 | 7.64 | 0.00 | 2.02 | 0.07 | 0.07 | 2.16 | 0.00 | 47.14 | 0.00 | 0. | 0.00 |
| 335 | 1.100 | 30.70 | 0.00 | 0.00 | 0.00 | 5.18 | 7.55 | 0.00 | 7.55 | 0.00 | 2.02 | 0.07 | 0.03 | 2.12 | 0.00 | 48.71 | 0.00 | 0. | 0.00 |
| 336 | 1.000 | 30.75 | 0.00 | 0.00 | 0.00 | 5.22 | 7.46 | 0.00 | 7.46 | 0.00 | 2.02 | 0.06 | 0.00 | 2.09 | 0.00 | 50.29 | 0.00 | 0. | 0.00 |
| 337 | 0.900 | 30.81 | 0.00 | 0.00 | 0.00 | 5.26 | 7.38 | 0.00 | 7.38 | 0.00 | 2.02 | 0.06 | 0.00 | 2.09 | 0.00 | 51.86 | 0.00 | 0. | 0.00 |
| 338 | 0.800 | 30.86 | 0.00 | 0.00 | 0.00 | 5.29 | 7.31 | 0.00 | 7.31 | 0.00 | 2.02 | 0.06 | 0.00 | 2.09 | 0.00 | 53.43 | 0.00 | 0. | 0.00 |
| 339 | 0.700 | 30.92 | 0.00 | 0.00 | 0.00 | 5.33 | 7.23 | 0.00 | 7.23 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 55.00 | 0.00 | 0. | 0.00 |
| 340 | 0.600 | 30.97 | 0.00 | 0.00 | 0.00 | 5.37 | 7.17 | 0.00 | 7.17 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 56.57 | 0.00 | 0. | 0.00 |
| 341 | 0.500 | 31.03 | 0.00 | 0.00 | 0.00 | 5.41 | 7.10 | 0.00 | 7.10 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 58.14 | 0.00 | 0. | 0.00 |
| 342 | 0.400 | 31.08 | 0.00 | 0.00 | 0.00 | 5.44 | 7.05 | 0.00 | 7.05 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 59.71 | 0.00 | 0. | 0.00 |
| 343 | 0.300 | 31.14 | 0.00 | 0.00 | 0.00 | 5.48 | 6.99 | 0.00 | 6.99 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 61.29 | 0.00 | 0. | 0.00 |
| 344 | 0.200 | 31.19 | 0.00 | 0.00 | 0.00 | 5.51 | 6.94 | 0.00 | 6.94 | 0.00 | 2.02 | 0.06 | 0.00 | 2.08 | 0.00 | 62.86 | 0.00 | 0. | 0.00 |
| 345 | 0.100 | 31.25 | 0.00 | 0.00 | 0.00 | 5.55 | 6.89 | 0.00 | 6.89 | 0.00 | 2.02 | 0.05 | 0.00 | 2.08 | 0.00 | 64.43 | 0.00 | 0. | 0.00 |
| 346 | 0.000 | 31.30 | 0.00 | 0.00 | 0.00 | 5.59 | 6.84 | 0.00 | 6.84 | 0.00 | 2.02 | 0.05 | 0.00 | 2.08 | 0.00 | 66.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY — LA-QUAL Model for Upper Terrebonne

Chamberlin Canal #1 — Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 18.31 DAYS

MAXIMUM EFFLUENT = 50.36 PERCENT

FLOW = 0.00055 TO 0.00915 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s
VELOCITY = 0.00273 TO 0.01000 m/s
DEPTH = 0.10 TO 0.30 m
WIDTH = 2.00 TO 5.00 m

BOD DECAY = 0.17 TO 0.22 per day
NH3 DECAY = 0.30 TO 0.46 per day
SOD = 1.94 TO 2.65 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 2.76 TO 11.82 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.01 TO 0.01 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 26.38 TO 31.30 deg C
DISSOLVED OXYGEN = 3.58 TO 5.79 mg/L
FINAL REPORT Intracoastal Waterwa LA-QUAL Model for Upper Terrebonne
REACH NO. 9 Intracoastal Waterway #1 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | HDWTR | 7.53000 | 29.80 | 0.00 | 0.00 | 0.00 | 7.40 | 2.20 | 0.00 | 2.20 | 0.00 | 1.10 | 0.03 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | WSTLD | 0.00105 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.90 | 0.00 | 30.90 | 0.00 | 1.10 | 1.50 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | WSTLD | 0.00031 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 20.00 | 0.00 | 20.00 | 0.00 | 1.10 | 1.50 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | WSTLD | 0.01314 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | 10.00 | 0.00 | 1.10 | 4.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | WSTLD | 0.01936 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 14.80 | 0.00 | 14.80 | 0.00 | 1.10 | 3.50 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m≥/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m≥ | SURFACE AREA m≤ | X-SECT AREA m≤ | TIDAL PRISM m≥ | TIDAL VELO m/s | DISPRSN m≤/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 13.40 | 13.30 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 421 | 13.30 | 13.20 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 422 | 13.20 | 13.10 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 423 | 13.10 | 13.00 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 424 | 13.00 | 12.90 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 425 | 12.90 | 12.80 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 426 | 12.80 | 12.70 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 427 | 12.70 | 12.60 | 7.53000 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 428 | 12.60 | 12.50 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 429 | 12.50 | 12.40 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 430 | 12.40 | 12.30 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 431 | 12.30 | 12.20 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 432 | 12.20 | 12.10 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 433 | 12.10 | 12.00 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 434 | 12.00 | 11.90 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 435 | 11.90 | 11.80 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 436 | 11.80 | 11.70 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 437 | 11.70 | 11.60 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 438 | 11.60 | 11.50 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 439 | 11.50 | 11.40 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 440 | 11.40 | 11.30 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 441 | 11.30 | 11.20 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 442 | 11.20 | 11.10 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 443 | 11.10 | 11.00 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 444 | 11.00 | 10.90 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 445 | 10.90 | 10.80 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 446 | 10.80 | 10.70 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 447 | 10.70 | 10.60 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 448 | 10.60 | 10.50 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 449 | 10.50 | 10.40 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 450 | 10.40 | 10.30 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 451 | 10.30 | 10.20 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 452 | 10.20 | 10.10 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 453 | 10.10 | 10.00 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 454 | 10.00 | 9.90 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 455 | 9.90 | 9.80 | 7.53105 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 456 | 9.80 | 9.70 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 457 | 9.70 | 9.60 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 458 | 9.60 | 9.50 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 459 | 9.50 | 9.40 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 460 | 9.40 | 9.30 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 461 | 9.30 | 9.20 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 462 | 9.20 | 9.10 | 7.53136 | 0.0 | 0.03303 | 0.04 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 463 | 9.10 | 9.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 464 | 9.00 | 8.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 465 | 8.90 | 8.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 466 | 8.80 | 8.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 467 | 8.70 | 8.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 468 | 8.60 | 8.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 469 | 8.50 | 8.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 470 | 8.40 | 8.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 471 | 8.30 | 8.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 472 | 8.20 | 8.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 473 | 8.10 | 8.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 474 | 8.00 | 7.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 475 | 7.90 | 7.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 476 | 7.80 | 7.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 477 | 7.70 | 7.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 478 | 7.60 | 7.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 479 | 7.50 | 7.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 480 | 7.40 | 7.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 481 | 7.30 | 7.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 482 | 7.20 | 7.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 483 | 7.10 | 7.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 484 | 7.00 | 6.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 485 | 6.90 | 6.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 486 | 6.80 | 6.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 487 | 6.70 | 6.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 488 | 6.60 | 6.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 489 | 6.50 | 6.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 490 | 6.40 | 6.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 491 | 6.30 | 6.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 492 | 6.20 | 6.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 493 | 6.10 | 6.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 494 | 6.00 | 5.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 495 | 5.90 | 5.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 496 | 5.80 | 5.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 497 | 5.70 | 5.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 498 | 5.60 | 5.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 499 | 5.50 | 5.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 500 | 5.40 | 5.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 501 | 5.30 | 5.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 502 | 5.20 | 5.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 503 | 5.10 | 5.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 504 | 5.00 | 4.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 505 | 4.90 | 4.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 506 | 4.80 | 4.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 507 | 4.70 | 4.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 508 | 4.60 | 4.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 509 | 4.50 | 4.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 510 | 4.40 | 4.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 511 | 4.30 | 4.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 512 | 4.20 | 4.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 513 | 4.10 | 4.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 514 | 4.00 | 3.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 515 | 3.90 | 3.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 516 | 3.80 | 3.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 517 | 3.70 | 3.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 518 | 3.60 | 3.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 519 | 3.50 | 3.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 520 | 3.40 | 3.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 521 | 3.30 | 3.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 522 | 3.20 | 3.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 523 | 3.10 | 3.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 524 | 3.00 | 2.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 525 | 2.90 | 2.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 526 | 2.80 | 2.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 527 | 2.70 | 2.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 528 | 2.60 | 2.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 529 | 2.50 | 2.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 530 | 2.40 | 2.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 531 | 2.30 | 2.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 532 | 2.20 | 2.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 533 | 2.10 | 2.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 534 | 2.00 | 1.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 535 | 1.90 | 1.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 536 | 1.80 | 1.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 537 | 1.70 | 1.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 538 | 1.60 | 1.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 539 | 1.50 | 1.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 540 | 1.40 | 1.30 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 541 | 1.30 | 1.20 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 542 | 1.20 | 1.10 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 543 | 1.10 | 1.00 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 544 | 1.00 | 0.90 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 545 | 0.90 | 0.80 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 546 | 0.80 | 0.70 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 547 | 0.70 | 0.60 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 548 | 0.60 | 0.50 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 549 | 0.50 | 0.40 | 7.54450 | 0.2 | 0.03309 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 550 | 0.40 | 0.30 | 7.56386 | 0.4 | 0.03317 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 551 | 0.30 | 0.20 | 7.56386 | 0.4 | 0.03317 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 552 | 0.20 | 0.10 | 7.56386 | 0.4 | 0.03317 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |
| 553 | 0.10 | 0.00 | 7.56386 | 0.4 | 0.03317 | 0.03 | 3.00 | 76.00 | 22800.00 | 7600.00 | 228.00 | 0.00 | 0.000 | 0.000 | 0.033 |

| | | | | | | |
|---|---|---|---|---|---|---|
| TOT | | | 4.69 | | 3055200.00 | 1018400.00 |
| AVG | | 0.0331 | | 3.00 | 76.00 | 228.00 |
| CUM | | | 4.69 | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT 1/da | ORGN DECAY * | NH3 SRCE ** | NH3 RATE ** | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 13.300 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 13.200 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 13.100 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 13.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 12.900 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 12.800 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 12.700 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 12.600 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 12.500 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 12.400 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 12.300 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 12.200 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 12.100 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 12.000 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 11.900 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 11.800 | 7.58 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 11.700 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 11.600 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 11.500 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 439 | 11.400 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 11.300 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 11.200 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 11.100 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 11.000 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 10.900 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 10.800 | 7.57 | 0.28 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 10.700 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 10.600 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 10.500 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 10.400 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 10.300 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.93 | 0.93 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 10.200 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 10.100 | 7.57 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 10.000 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 9.900 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 9.800 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 9.700 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 9.600 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 9.500 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 9.400 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 9.300 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 9.200 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 9.100 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 9.000 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 8.900 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 8.800 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 8.700 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 8.600 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 8.500 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 8.400 | 7.56 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 8.300 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 8.200 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 8.100 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 8.000 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 7.900 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 7.800 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 7.700 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 7.600 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 7.500 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 7.400 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 7.300 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 7.200 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 7.100 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 7.000 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 6.900 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 6.800 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 6.700 | 7.55 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 6.600 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.94 | 0.94 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 6.500 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 489 | 6.400 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 6.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 6.200 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 6.100 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 6.000 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 5.900 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 5.800 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 5.700 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 5.600 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 5.500 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 5.400 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 5.300 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 5.200 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 5.100 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 5.000 | 7.54 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 4.900 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 4.800 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 4.700 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 4.600 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 4.500 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 4.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 4.300 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 4.200 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 4.100 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 4.000 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 3.900 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 3.800 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 3.700 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 3.600 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 3.500 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 3.400 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 3.300 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 3.200 | 7.53 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 3.100 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 3.000 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 2.900 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 2.800 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.95 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 2.700 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 2.600 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 2.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 2.400 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 2.300 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 2.200 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 2.100 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 2.000 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 1.900 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 1.800 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 1.700 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 1.600 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 538 | 1.500 | 7.52 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 539 | 1.400 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 1.300 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 1.200 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 1.100 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 1.000 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 0.900 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 0.800 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 0.700 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 0.600 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 0.500 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 0.400 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 0.300 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 0.200 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 0.100 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.000 | 7.51 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 0.96 | 0.96 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.23 0.13 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 13.300 | 29.80 | 0.00 | 0.00 | 0.00 | 7.37 | 2.19 | 0.00 | 2.19 | 0.00 | 1.10 | 0.03 | 1.70 | 2.83 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 421 | 13.200 | 29.81 | 0.00 | 0.00 | 0.00 | 7.35 | 2.19 | 0.00 | 2.19 | 0.00 | 1.10 | 0.03 | 1.70 | 2.83 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 422 | 13.100 | 29.81 | 0.00 | 0.00 | 0.00 | 7.32 | 2.18 | 0.00 | 2.18 | 0.00 | 1.10 | 0.03 | 1.70 | 2.83 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 423 | 13.000 | 29.82 | 0.00 | 0.00 | 0.00 | 7.30 | 2.18 | 0.00 | 2.18 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 424 | 12.900 | 29.82 | 0.00 | 0.00 | 0.00 | 7.27 | 2.17 | 0.00 | 2.17 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 425 | 12.800 | 29.83 | 0.00 | 0.00 | 0.00 | 7.25 | 2.17 | 0.00 | 2.17 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 426 | 12.700 | 29.83 | 0.00 | 0.00 | 0.00 | 7.22 | 2.16 | 0.00 | 2.16 | 0.00 | 1.10 | 0.03 | 1.70 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 427 | 12.600 | 29.84 | 0.00 | 0.00 | 0.00 | 7.20 | 2.16 | 0.00 | 2.16 | 0.00 | 1.11 | 0.03 | 1.70 | 2.84 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 428 | 12.500 | 29.84 | 0.00 | 0.00 | 0.00 | 7.17 | 2.16 | 0.00 | 2.16 | 0.00 | 1.11 | 0.03 | 1.71 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 429 | 12.400 | 29.84 | 0.00 | 0.00 | 0.00 | 7.15 | 2.15 | 0.00 | 2.15 | 0.00 | 1.11 | 0.03 | 1.71 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 430 | 12.300 | 29.85 | 0.00 | 0.00 | 0.00 | 7.12 | 2.15 | 0.00 | 2.15 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 431 | 12.200 | 29.85 | 0.00 | 0.00 | 0.00 | 7.10 | 2.14 | 0.00 | 2.14 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 432 | 12.100 | 29.86 | 0.00 | 0.00 | 0.00 | 7.07 | 2.14 | 0.00 | 2.14 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 433 | 12.000 | 29.86 | 0.00 | 0.00 | 0.00 | 7.05 | 2.13 | 0.00 | 2.13 | 0.00 | 1.11 | 0.04 | 1.71 | 2.85 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 434 | 11.900 | 29.87 | 0.00 | 0.00 | 0.00 | 7.03 | 2.13 | 0.00 | 2.13 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 435 | 11.800 | 29.87 | 0.00 | 0.00 | 0.00 | 7.01 | 2.12 | 0.00 | 2.12 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 436 | 11.700 | 29.88 | 0.00 | 0.00 | 0.00 | 6.98 | 2.12 | 0.00 | 2.12 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 437 | 11.600 | 29.88 | 0.00 | 0.00 | 0.00 | 6.96 | 2.11 | 0.00 | 2.11 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 438 | 11.500 | 29.89 | 0.00 | 0.00 | 0.00 | 6.94 | 2.11 | 0.00 | 2.11 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 439 | 11.400 | 29.89 | 0.00 | 0.00 | 0.00 | 6.92 | 2.10 | 0.00 | 2.10 | 0.00 | 1.11 | 0.04 | 1.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 440 | 11.300 | 29.89 | 0.00 | 0.00 | 0.00 | 6.89 | 2.10 | 0.00 | 2.10 | 0.00 | 1.11 | 0.04 | 1.71 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 441 | 11.200 | 29.90 | 0.00 | 0.00 | 0.00 | 6.87 | 2.09 | 0.00 | 2.09 | 0.00 | 1.11 | 0.04 | 1.71 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 442 | 11.100 | 29.90 | 0.00 | 0.00 | 0.00 | 6.85 | 2.09 | 0.00 | 2.09 | 0.00 | 1.12 | 0.04 | 1.71 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 443 | 11.000 | 29.91 | 0.00 | 0.00 | 0.00 | 6.83 | 2.08 | 0.00 | 2.08 | 0.00 | 1.12 | 0.04 | 1.71 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 444 | 10.900 | 29.91 | 0.00 | 0.00 | 0.00 | 6.81 | 2.08 | 0.00 | 2.08 | 0.00 | 1.12 | 0.04 | 1.71 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 445 | 10.800 | 29.92 | 0.00 | 0.00 | 0.00 | 6.79 | 2.07 | 0.00 | 2.07 | 0.00 | 1.12 | 0.04 | 1.72 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 446 | 10.700 | 29.92 | 0.00 | 0.00 | 0.00 | 6.77 | 2.07 | 0.00 | 2.07 | 0.00 | 1.12 | 0.04 | 1.72 | 2.87 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 447 | 10.600 | 29.93 | 0.00 | 0.00 | 0.00 | 6.75 | 2.07 | 0.00 | 2.07 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 448 | 10.500 | 29.93 | 0.00 | 0.00 | 0.00 | 6.73 | 2.06 | 0.00 | 2.06 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 449 | 10.400 | 29.93 | 0.00 | 0.00 | 0.00 | 6.71 | 2.06 | 0.00 | 2.06 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 450 | 10.300 | 29.94 | 0.00 | 0.00 | 0.00 | 6.69 | 2.05 | 0.00 | 2.05 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 451 | 10.200 | 29.94 | 0.00 | 0.00 | 0.00 | 6.67 | 2.05 | 0.00 | 2.05 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 452 | 10.100 | 29.95 | 0.00 | 0.00 | 0.00 | 6.65 | 2.04 | 0.00 | 2.04 | 0.00 | 1.12 | 0.04 | 1.72 | 2.88 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 453 | 10.000 | 29.95 | 0.00 | 0.00 | 0.00 | 6.63 | 2.04 | 0.00 | 2.04 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 454 | 9.900 | 29.96 | 0.00 | 0.00 | 0.00 | 6.61 | 2.03 | 0.00 | 2.03 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 455 | 9.800 | 29.96 | 0.00 | 0.00 | 0.00 | 6.59 | 2.03 | 0.00 | 2.03 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 456 | 9.700 | 29.97 | 0.00 | 0.00 | 0.00 | 6.57 | 2.03 | 0.00 | 2.03 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 457 | 9.600 | 29.97 | 0.00 | 0.00 | 0.00 | 6.55 | 2.02 | 0.00 | 2.02 | 0.00 | 1.12 | 0.04 | 1.72 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 458 | 9.500 | 29.97 | 0.00 | 0.00 | 0.00 | 6.54 | 2.02 | 0.00 | 2.02 | 0.00 | 1.13 | 0.04 | 1.72 | 2.89 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 459 | 9.400 | 29.98 | 0.00 | 0.00 | 0.00 | 6.52 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.72 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 460 | 9.300 | 29.98 | 0.00 | 0.00 | 0.00 | 6.50 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.73 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 461 | 9.200 | 29.99 | 0.00 | 0.00 | 0.00 | 6.48 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.73 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 462 | 9.100 | 29.99 | 0.00 | 0.00 | 0.00 | 6.46 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.73 | 2.90 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 463 | 9.000 | 30.00 | 0.00 | 0.00 | 0.00 | 6.44 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.74 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 464 | 8.900 | 30.00 | 0.00 | 0.00 | 0.00 | 6.43 | 2.01 | 0.00 | 2.01 | 0.00 | 1.13 | 0.05 | 1.74 | 2.92 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 465 | 8.800 | 30.01 | 0.00 | 0.00 | 0.00 | 6.41 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.74 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 466 | 8.700 | 30.01 | 0.00 | 0.00 | 0.00 | 6.39 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.74 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 467 | 8.600 | 30.01 | 0.00 | 0.00 | 0.00 | 6.37 | 2.00 | 0.00 | 2.00 | 0.00 | 1.13 | 0.05 | 1.74 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 468 | 8.500 | 30.02 | 0.00 | 0.00 | 0.00 | 6.36 | 1.99 | 0.00 | 1.99 | 0.00 | 1.13 | 0.05 | 1.75 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 469 | 8.400 | 30.02 | 0.00 | 0.00 | 0.00 | 6.34 | 1.99 | 0.00 | 1.99 | 0.00 | 1.13 | 0.05 | 1.75 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 470 | 8.300 | 30.03 | 0.00 | 0.00 | 0.00 | 6.32 | 1.98 | 0.00 | 1.98 | 0.00 | 1.13 | 0.05 | 1.75 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 471 | 8.200 | 30.03 | 0.00 | 0.00 | 0.00 | 6.31 | 1.98 | 0.00 | 1.98 | 0.00 | 1.13 | 0.05 | 1.75 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 472 | 8.100 | 30.04 | 0.00 | 0.00 | 0.00 | 6.29 | 1.98 | 0.00 | 1.98 | 0.00 | 1.13 | 0.05 | 1.75 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 473 | 8.000 | 30.04 | 0.00 | 0.00 | 0.00 | 6.27 | 1.97 | 0.00 | 1.97 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 474 | 7.900 | 30.05 | 0.00 | 0.00 | 0.00 | 6.26 | 1.97 | 0.00 | 1.97 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 475 | 7.800 | 30.05 | 0.00 | 0.00 | 0.00 | 6.24 | 1.96 | 0.00 | 1.96 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 476 | 7.700 | 30.06 | 0.00 | 0.00 | 0.00 | 6.23 | 1.96 | 0.00 | 1.96 | 0.00 | 1.14 | 0.05 | 1.75 | 2.94 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 477 | 7.600 | 30.06 | 0.00 | 0.00 | 0.00 | 6.21 | 1.96 | 0.00 | 1.96 | 0.00 | 1.14 | 0.06 | 1.75 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 478 | 7.500 | 30.06 | 0.00 | 0.00 | 0.00 | 6.20 | 1.95 | 0.00 | 1.95 | 0.00 | 1.14 | 0.06 | 1.75 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 479 | 7.400 | 30.07 | 0.00 | 0.00 | 0.00 | 6.18 | 1.95 | 0.00 | 1.95 | 0.00 | 1.14 | 0.06 | 1.75 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 480 | 7.300 | 30.07 | 0.00 | 0.00 | 0.00 | 6.17 | 1.94 | 0.00 | 1.94 | 0.00 | 1.14 | 0.06 | 1.76 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 481 | 7.200 | 30.08 | 0.00 | 0.00 | 0.00 | 6.15 | 1.94 | 0.00 | 1.94 | 0.00 | 1.14 | 0.06 | 1.76 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 482 | 7.100 | 30.08 | 0.00 | 0.00 | 0.00 | 6.14 | 1.94 | 0.00 | 1.94 | 0.00 | 1.14 | 0.06 | 1.76 | 2.95 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 483 | 7.000 | 30.09 | 0.00 | 0.00 | 0.00 | 6.12 | 1.93 | 0.00 | 1.93 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 484 | 6.900 | 30.09 | 0.00 | 0.00 | 0.00 | 6.11 | 1.93 | 0.00 | 1.93 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 485 | 6.800 | 30.10 | 0.00 | 0.00 | 0.00 | 6.09 | 1.93 | 0.00 | 1.93 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 486 | 6.700 | 30.10 | 0.00 | 0.00 | 0.00 | 6.08 | 1.92 | 0.00 | 1.92 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 487 | 6.600 | 30.10 | 0.00 | 0.00 | 0.00 | 6.06 | 1.92 | 0.00 | 1.92 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 488 | 6.500 | 30.11 | 0.00 | 0.00 | 0.00 | 6.05 | 1.92 | 0.00 | 1.92 | 0.00 | 1.14 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 489 | 6.400 | 30.11 | 0.00 | 0.00 | 0.00 | 6.04 | 1.91 | 0.00 | 1.91 | 0.00 | 1.15 | 0.06 | 1.76 | 2.96 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 490 | 6.300 | 30.12 | 0.00 | 0.00 | 0.00 | 6.02 | 1.91 | 0.00 | 1.91 | 0.00 | 1.15 | 0.06 | 1.76 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 491 | 6.200 | 30.12 | 0.00 | 0.00 | 0.00 | 6.01 | 1.91 | 0.00 | 1.91 | 0.00 | 1.15 | 0.06 | 1.76 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 492 | 6.100 | 30.13 | 0.00 | 0.00 | 0.00 | 6.00 | 1.90 | 0.00 | 1.90 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 493 | 6.000 | 30.13 | 0.00 | 0.00 | 0.00 | 5.98 | 1.90 | 0.00 | 1.90 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 494 | 5.900 | 30.14 | 0.00 | 0.00 | 0.00 | 5.97 | 1.89 | 0.00 | 1.89 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 495 | 5.800 | 30.14 | 0.00 | 0.00 | 0.00 | 5.96 | 1.89 | 0.00 | 1.89 | 0.00 | 1.15 | 0.06 | 1.77 | 2.97 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 496 | 5.700 | 30.14 | 0.00 | 0.00 | 0.00 | 5.94 | 1.89 | 0.00 | 1.89 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 497 | 5.600 | 30.15 | 0.00 | 0.00 | 0.00 | 5.93 | 1.88 | 0.00 | 1.88 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 498 | 5.500 | 30.15 | 0.00 | 0.00 | 0.00 | 5.92 | 1.88 | 0.00 | 1.88 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 499 | 5.400 | 30.16 | 0.00 | 0.00 | 0.00 | 5.91 | 1.88 | 0.00 | 1.88 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 500 | 5.300 | 30.16 | 0.00 | 0.00 | 0.00 | 5.90 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 501 | 5.200 | 30.17 | 0.00 | 0.00 | 0.00 | 5.88 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.77 | 2.98 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 502 | 5.100 | 30.17 | 0.00 | 0.00 | 0.00 | 5.87 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.77 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 503 | 5.000 | 30.18 | 0.00 | 0.00 | 0.00 | 5.86 | 1.87 | 0.00 | 1.87 | 0.00 | 1.15 | 0.06 | 1.78 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 504 | 4.900 | 30.18 | 0.00 | 0.00 | 0.00 | 5.85 | 1.86 | 0.00 | 1.86 | 0.00 | 1.15 | 0.06 | 1.78 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 505 | 4.800 | 30.19 | 0.00 | 0.00 | 0.00 | 5.84 | 1.86 | 0.00 | 1.86 | 0.00 | 1.16 | 0.06 | 1.78 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 506 | 4.700 | 30.19 | 0.00 | 0.00 | 0.00 | 5.82 | 1.86 | 0.00 | 1.86 | 0.00 | 1.16 | 0.06 | 1.78 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 507 | 4.600 | 30.19 | 0.00 | 0.00 | 0.00 | 5.81 | 1.85 | 0.00 | 1.85 | 0.00 | 1.16 | 0.06 | 1.78 | 2.99 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 508 | 4.500 | 30.20 | 0.00 | 0.00 | 0.00 | 5.80 | 1.85 | 0.00 | 1.85 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 509 | 4.400 | 30.20 | 0.00 | 0.00 | 0.00 | 5.79 | 1.85 | 0.00 | 1.85 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 510 | 4.300 | 30.21 | 0.00 | 0.00 | 0.00 | 5.78 | 1.84 | 0.00 | 1.84 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 511 | 4.200 | 30.21 | 0.00 | 0.00 | 0.00 | 5.77 | 1.84 | 0.00 | 1.84 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 512 | 4.100 | 30.22 | 0.00 | 0.00 | 0.00 | 5.76 | 1.84 | 0.00 | 1.84 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 513 | 4.000 | 30.22 | 0.00 | 0.00 | 0.00 | 5.75 | 1.83 | 0.00 | 1.83 | 0.00 | 1.16 | 0.06 | 1.78 | 3.00 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 514 | 3.900 | 30.23 | 0.00 | 0.00 | 0.00 | 5.74 | 1.83 | 0.00 | 1.83 | 0.00 | 1.16 | 0.06 | 1.78 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 515 | 3.800 | 30.23 | 0.00 | 0.00 | 0.00 | 5.73 | 1.83 | 0.00 | 1.83 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 516 | 3.700 | 30.23 | 0.00 | 0.00 | 0.00 | 5.72 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 517 | 3.600 | 30.24 | 0.00 | 0.00 | 0.00 | 5.71 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 518 | 3.500 | 30.24 | 0.00 | 0.00 | 0.00 | 5.69 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 519 | 3.400 | 30.25 | 0.00 | 0.00 | 0.00 | 5.68 | 1.82 | 0.00 | 1.82 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 520 | 3.300 | 30.25 | 0.00 | 0.00 | 0.00 | 5.67 | 1.81 | 0.00 | 1.81 | 0.00 | 1.16 | 0.06 | 1.79 | 3.01 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 521 | 3.200 | 30.26 | 0.00 | 0.00 | 0.00 | 5.67 | 1.81 | 0.00 | 1.81 | 0.00 | 1.16 | 0.06 | 1.79 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 522 | 3.100 | 30.26 | 0.00 | 0.00 | 0.00 | 5.66 | 1.81 | 0.00 | 1.81 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 523 | 3.000 | 30.27 | 0.00 | 0.00 | 0.00 | 5.65 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 524 | 2.900 | 30.27 | 0.00 | 0.00 | 0.00 | 5.64 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 525 | 2.800 | 30.27 | 0.00 | 0.00 | 0.00 | 5.63 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.79 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 526 | 2.700 | 30.28 | 0.00 | 0.00 | 0.00 | 5.62 | 1.80 | 0.00 | 1.80 | 0.00 | 1.17 | 0.06 | 1.80 | 3.02 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 527 | 2.600 | 30.28 | 0.00 | 0.00 | 0.00 | 5.61 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 528 | 2.500 | 30.29 | 0.00 | 0.00 | 0.00 | 5.60 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 529 | 2.400 | 30.29 | 0.00 | 0.00 | 0.00 | 5.59 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 530 | 2.300 | 30.30 | 0.00 | 0.00 | 0.00 | 5.58 | 1.79 | 0.00 | 1.79 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 531 | 2.200 | 30.30 | 0.00 | 0.00 | 0.00 | 5.57 | 1.78 | 0.00 | 1.78 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 532 | 2.100 | 30.31 | 0.00 | 0.00 | 0.00 | 5.56 | 1.78 | 0.00 | 1.78 | 0.00 | 1.17 | 0.06 | 1.80 | 3.03 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 533 | 2.000 | 30.31 | 0.00 | 0.00 | 0.00 | 5.55 | 1.78 | 0.00 | 1.78 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 534 | 1.900 | 30.31 | 0.00 | 0.00 | 0.00 | 5.55 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 535 | 1.800 | 30.32 | 0.00 | 0.00 | 0.00 | 5.54 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 536 | 1.700 | 30.32 | 0.00 | 0.00 | 0.00 | 5.53 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.80 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 537 | 1.600 | 30.33 | 0.00 | 0.00 | 0.00 | 5.52 | 1.77 | 0.00 | 1.77 | 0.00 | 1.17 | 0.06 | 1.81 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 538 | 1.500 | 30.33 | 0.00 | 0.00 | 0.00 | 5.51 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.04 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 539 | 1.400 | 30.34 | 0.00 | 0.00 | 0.00 | 5.50 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 540 | 1.300 | 30.34 | 0.00 | 0.00 | 0.00 | 5.50 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 541 | 1.200 | 30.35 | 0.00 | 0.00 | 0.00 | 5.49 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 542 | 1.100 | 30.35 | 0.00 | 0.00 | 0.00 | 5.48 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 543 | 1.000 | 30.36 | 0.00 | 0.00 | 0.00 | 5.47 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 544 | 0.900 | 30.36 | 0.00 | 0.00 | 0.00 | 5.46 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 545 | 0.800 | 30.36 | 0.00 | 0.00 | 0.00 | 5.46 | 1.75 | 0.00 | 1.75 | 0.00 | 1.18 | 0.06 | 1.81 | 3.05 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 546 | 0.700 | 30.37 | 0.00 | 0.00 | 0.00 | 5.45 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.81 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 547 | 0.600 | 30.37 | 0.00 | 0.00 | 0.00 | 5.44 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.81 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 548 | 0.500 | 30.38 | 0.00 | 0.00 | 0.00 | 5.43 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.82 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 549 | 0.400 | 30.38 | 0.00 | 0.00 | 0.00 | 5.43 | 1.74 | 0.00 | 1.74 | 0.00 | 1.18 | 0.06 | 1.82 | 3.06 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 550 | 0.300 | 30.39 | 0.00 | 0.00 | 0.00 | 5.42 | 1.77 | 0.00 | 1.77 | 0.00 | 1.18 | 0.07 | 1.84 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 551 | 0.200 | 30.39 | 0.00 | 0.00 | 0.00 | 5.41 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 3.09 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 552 | 0.100 | 30.40 | 0.00 | 0.00 | 0.00 | 5.40 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |
| 553 | 0.000 | 30.40 | 0.00 | 0.00 | 0.00 | 5.39 | 1.76 | 0.00 | 1.76 | 0.00 | 1.18 | 0.07 | 1.84 | 3.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Intracoastal Waterwa Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 4.69 DAYS

MAXIMUM EFFLUENT = 0.45 PERCENT

FLOW = 7.53000 TO 7.56386 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s
VELOCITY = 0.03303 TO 0.03317 m/s
DEPTH = 3.00 TO 3.00 m
WIDTH = 76.00 TO 76.00 m

BOD DECAY = 0.20 TO 0.21 per day
NH3 DECAY = 0.43 TO 0.43 per day
SOD = 0.93 TO 0.96 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 0.28 TO 0.28 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 29.80 TO 30.40 deg C
DISSOLVED OXYGEN = 5.39 TO 7.37 mg/L

FINAL REPORT Bayou Plaquemine LA-QUAL Model for Upper Terrebonne
REACH NO. 11 Bayou Plaquemine Calibration Simulation for Upper Terrebonne model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | HDWTR | 0.77000 | 29.10 | 0.00 | 0.00 | 0.00 | 4.10 | 4.93 | 0.00 | 4.93 | 0.00 | 1.60 | 0.00 | 1.60 | 0.00 | 58.00 | 0.00 | 0.00 |
| 739 | WSTLD | 0.06572 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.60 | 4.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 779 | WSTLD | 0.00285 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | 10.00 | 0.00 | 1.60 | 1.50 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 782 | WSTLD | 0.00105 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.60 | 1.50 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 785 | WSTLD | 0.00022 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.60 | 1.50 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 796 | WSTLD | 0.00011 | 28.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.60 | 1.50 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | SURFACE AREA m≤ | X-SECT PRISM m≥ | TIDAL VELO m/s | TIDAL VELO m≤/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 11.90 | 11.80 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 711 | 11.80 | 11.70 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 712 | 11.70 | 11.60 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 713 | 11.60 | 11.50 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 714 | 11.50 | 11.40 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 715 | 11.40 | 11.30 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 716 | 11.30 | 11.20 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 717 | 11.20 | 11.10 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 718 | 11.10 | 11.00 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 719 | 11.00 | 10.90 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 720 | 10.90 | 10.80 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 721 | 10.80 | 10.70 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 722 | 10.70 | 10.60 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 723 | 10.60 | 10.50 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 724 | 10.50 | 10.40 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 725 | 10.40 | 10.30 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 726 | 10.30 | 10.20 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 727 | 10.20 | 10.10 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 728 | 10.10 | 10.00 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 729 | 10.00 | 9.90 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 730 | 9.90 | 9.80 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 731 | 9.80 | 9.70 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 732 | 9.70 | 9.60 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 733 | 9.60 | 9.50 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 734 | 9.50 | 9.40 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 735 | 9.40 | 9.30 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 736 | 9.30 | 9.20 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 737 | 9.20 | 9.10 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 738 | 9.10 | 9.00 | 0.77000 | 0.0 | 0.02333 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.023 |
| 739 | 9.00 | 8.90 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 740 | 8.90 | 8.80 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 741 | 8.80 | 8.70 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 742 | 8.70 | 8.60 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 743 | 8.60 | 8.50 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 744 | 8.50 | 8.40 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 745 | 8.40 | 8.30 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 746 | 8.30 | 8.20 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 747 | 8.20 | 8.10 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 748 | 8.10 | 8.00 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 749 | 8.00 | 7.90 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 750 | 7.90 | 7.80 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 751 | 7.80 | 7.70 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 752 | 7.70 | 7.60 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 753 | 7.60 | 7.50 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 754 | 7.50 | 7.40 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 755 | 7.40 | 7.30 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 756 | 7.30 | 7.20 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 757 | 7.20 | 7.10 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 758 | 7.10 | 7.00 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 759 | 7.00 | 6.90 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 760 | 6.90 | 6.80 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 761 | 6.80 | 6.70 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 762 | 6.70 | 6.60 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 763 | 6.60 | 6.50 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 764 | 6.50 | 6.40 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 765 | 6.40 | 6.30 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 766 | 6.30 | 6.20 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 767 | 6.20 | 6.10 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 768 | 6.10 | 6.00 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 769 | 6.00 | 5.90 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 770 | 5.90 | 5.80 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 771 | 5.80 | 5.70 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 772 | 5.70 | 5.60 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 773 | 5.60 | 5.50 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 774 | 5.50 | 5.40 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 775 | 5.40 | 5.30 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 776 | 5.30 | 5.20 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 777 | 5.20 | 5.10 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 778 | 5.10 | 5.00 | 0.83572 | 7.9 | 0.02532 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 779 | 5.00 | 4.90 | 0.83857 | 8.2 | 0.02541 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 780 | 4.90 | 4.80 | 0.83857 | 8.2 | 0.02541 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 781 | 4.80 | 4.70 | 0.83857 | 8.2 | 0.02541 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 782 | 4.70 | 4.60 | 0.83962 | 8.3 | 0.02544 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 783 | 4.60 | 4.50 | 0.83962 | 8.3 | 0.02544 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 784 | 4.50 | 4.40 | 0.83962 | 8.3 | 0.02544 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 785 | 4.40 | 4.30 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 786 | 4.30 | 4.20 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 787 | 4.20 | 4.10 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 788 | 4.10 | 4.00 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 789 | 4.00 | 3.90 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 790 | 3.90 | 3.80 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 791 | 3.80 | 3.70 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 792 | 3.70 | 3.60 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 793 | 3.60 | 3.50 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 794 | 3.50 | 3.40 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 795 | 3.40 | 3.30 | 0.83984 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 796 | 3.30 | 3.20 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 797 | 3.20 | 3.10 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 798 | 3.10 | 3.00 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 799 | 3.00 | 2.90 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 800 | 2.90 | 2.80 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 801 | 2.80 | 2.70 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 802 | 2.70 | 2.60 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 803 | 2.60 | 2.50 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 804 | 2.50 | 2.40 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 805 | 2.40 | 2.30 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 806 | 2.30 | 2.20 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 807 | 2.20 | 2.10 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 808 | 2.10 | 2.00 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 809 | 2.00 | 1.90 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 810 | 1.90 | 1.80 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 811 | 1.80 | 1.70 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 812 | 1.70 | 1.60 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 813 | 1.60 | 1.50 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 814 | 1.50 | 1.40 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 815 | 1.40 | 1.30 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 816 | 1.30 | 1.20 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 817 | 1.20 | 1.10 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 818 | 1.10 | 1.00 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 819 | 1.00 | 0.90 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 820 | 0.90 | 0.80 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 821 | 0.80 | 0.70 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 822 | 0.70 | 0.60 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 823 | 0.60 | 0.50 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 824 | 0.50 | 0.40 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 825 | 0.40 | 0.30 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 826 | 0.30 | 0.20 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 827 | 0.20 | 0.10 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| 828 | 0.10 | 0.00 | 0.83995 | 8.3 | 0.02545 | 0.05 | 1.10 | 30.00 | 3300.00 | 3000.00 | 33.00 | 0.00 | 0.000 | 0.000 | 0.025 |
| TOT | | | | | 5.54 | | | 392700.00 | 357000.00 | | | | | | |
| AVG | | | | | 0.0249 | | 1.10 | 30.00 | | | 33.00 | | | | |
| CUM | | | | | 5.54 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 11.800 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 711 | 11.700 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 712 | 11.600 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 4.29 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 713 | 11.500 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 714 | 11.400 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 715 | 11.300 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 716 | 11.200 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 717 | 11.100 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 718 | 11.000 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 719 | 10.900 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 720 | 10.800 | 7.68 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 721 | 10.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 722 | 10.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.93 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 723 | 10.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 724 | 10.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 725 | 10.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 726 | 10.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 727 | 10.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 728 | 10.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 729 | 9.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 730 | 9.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 731 | 9.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 732 | 9.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 733 | 9.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 734 | 9.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 735 | 9.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 736 | 9.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 737 | 9.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 738 | 9.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 739 | 8.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 740 | 8.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 741 | 8.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 742 | 8.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 743 | 8.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 744 | 8.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 745 | 8.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 746 | 8.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 747 | 8.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 748 | 8.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 749 | 7.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 750 | 7.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 751 | 7.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 752 | 7.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 753 | 7.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 754 | 7.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 755 | 7.300 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 756 | 7.200 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 757 | 7.100 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 758 | 7.000 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 759 | 6.900 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 760 | 6.800 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 761 | 6.700 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 762 | 6.600 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 763 | 6.500 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 764 | 6.400 | 7.67 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 765 | 6.300 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 766 | 6.200 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 767 | 6.100 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 768 | 6.000 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 769 | 5.900 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 770 | 5.800 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 771 | 5.700 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 772 | 5.600 | 7.66 | 0.75 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 773 | 5.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 774 | 5.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 775 | 5.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 776 | 5.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 777 | 5.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 778 | 5.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 779 | 4.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 780 | 4.800 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 781 | 4.700 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 782 | 4.600 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 783 | 4.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 784 | 4.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 785 | 4.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 786 | 4.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 787 | 4.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 788 | 4.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 789 | 3.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 790 | 3.800 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 791 | 3.700 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 792 | 3.600 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 793 | 3.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 794 | 3.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 795 | 3.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 0.89 | 0.89 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 796 | 3.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 797 | 3.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 798 | 3.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 799 | 2.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800 | 2.800 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 801 | 2.700 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 802 | 2.600 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 803 | 2.500 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 804 | 2.400 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 805 | 2.300 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 806 | 2.200 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 807 | 2.100 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 808 | 2.000 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 809 | 1.900 | 7.66 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 810 | 1.800 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 811 | 1.700 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 812 | 1.600 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 813 | 1.500 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 814 | 1.400 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 815 | 1.300 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 816 | 1.200 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 817 | 1.100 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 818 | 1.000 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 819 | 0.900 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 820 | 0.800 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 821 | 0.700 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 822 | 0.600 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 823 | 0.500 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 824 | 0.400 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 825 | 0.300 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 826 | 0.200 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 827 | 0.100 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 828 | 0.000 | 7.65 | 0.76 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.90 | 0.90 | 0.02 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.64 0.11 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 11.800 | 29.10 | 0.00 | 0.00 | 0.00 | 4.36 | 5.20 | 0.00 | 5.20 | 0.00 | 1.60 | 0.00 | 1.59 | 3.19 | 0.00 | 57.51 | 0.00 | 0. | 0.00 |
| 711 | 11.700 | 29.10 | 0.00 | 0.00 | 0.00 | 4.60 | 5.47 | 0.00 | 5.47 | 0.00 | 1.60 | 0.00 | 1.58 | 3.18 | 0.00 | 57.03 | 0.00 | 0. | 0.00 |
| 712 | 11.600 | 29.11 | 0.00 | 0.00 | 0.00 | 4.83 | 5.74 | 0.00 | 5.74 | 0.00 | 1.59 | 0.01 | 1.57 | 3.17 | 0.00 | 56.54 | 0.00 | 0. | 0.00 |
| 713 | 11.500 | 29.11 | 0.00 | 0.00 | 0.00 | 5.05 | 6.01 | 0.00 | 6.01 | 0.00 | 1.59 | 0.01 | 1.56 | 3.16 | 0.00 | 56.05 | 0.00 | 0. | 0.00 |
| 714 | 11.400 | 29.11 | 0.00 | 0.00 | 0.00 | 5.26 | 6.27 | 0.00 | 6.27 | 0.00 | 1.59 | 0.01 | 1.55 | 3.15 | 0.00 | 55.56 | 0.00 | 0. | 0.00 |
| 715 | 11.300 | 29.11 | 0.00 | 0.00 | 0.00 | 5.45 | 6.53 | 0.00 | 6.53 | 0.00 | 1.59 | 0.01 | 1.54 | 3.14 | 0.00 | 55.08 | 0.00 | 0. | 0.00 |
| 716 | 11.200 | 29.11 | 0.00 | 0.00 | 0.00 | 5.64 | 6.79 | 0.00 | 6.79 | 0.00 | 1.59 | 0.01 | 1.53 | 3.13 | 0.00 | 54.59 | 0.00 | 0. | 0.00 |
| 717 | 11.100 | 29.11 | 0.00 | 0.00 | 0.00 | 5.81 | 7.05 | 0.00 | 7.05 | 0.00 | 1.58 | 0.01 | 1.52 | 3.12 | 0.00 | 54.10 | 0.00 | 0. | 0.00 |
| 718 | 11.000 | 29.12 | 0.00 | 0.00 | 0.00 | 5.98 | 7.30 | 0.00 | 7.30 | 0.00 | 1.58 | 0.02 | 1.51 | 3.11 | 0.00 | 53.61 | 0.00 | 0. | 0.00 |
| 719 | 10.900 | 29.12 | 0.00 | 0.00 | 0.00 | 6.13 | 7.56 | 0.00 | 7.56 | 0.00 | 1.58 | 0.02 | 1.50 | 3.10 | 0.00 | 53.13 | 0.00 | 0. | 0.00 |
| 720 | 10.800 | 29.12 | 0.00 | 0.00 | 0.00 | 6.27 | 7.81 | 0.00 | 7.81 | 0.00 | 1.58 | 0.02 | 1.49 | 3.09 | 0.00 | 52.64 | 0.00 | 0. | 0.00 |
| 721 | 10.700 | 29.12 | 0.00 | 0.00 | 0.00 | 6.41 | 8.06 | 0.00 | 8.06 | 0.00 | 1.58 | 0.02 | 1.48 | 3.08 | 0.00 | 52.15 | 0.00 | 0. | 0.00 |
| 722 | 10.600 | 29.12 | 0.00 | 0.00 | 0.00 | 6.54 | 8.30 | 0.00 | 8.30 | 0.00 | 1.58 | 0.02 | 1.47 | 3.07 | 0.00 | 51.66 | 0.00 | 0. | 0.00 |
| 723 | 10.500 | 29.12 | 0.00 | 0.00 | 0.00 | 6.66 | 8.55 | 0.00 | 8.55 | 0.00 | 1.57 | 0.02 | 1.46 | 3.06 | 0.00 | 51.18 | 0.00 | 0. | 0.00 |
| 724 | 10.400 | 29.13 | 0.00 | 0.00 | 0.00 | 6.77 | 8.79 | 0.00 | 8.79 | 0.00 | 1.57 | 0.02 | 1.45 | 3.05 | 0.00 | 50.69 | 0.00 | 0. | 0.00 |
| 725 | 10.300 | 29.13 | 0.00 | 0.00 | 0.00 | 6.87 | 9.03 | 0.00 | 9.03 | 0.00 | 1.57 | 0.03 | 1.44 | 3.04 | 0.00 | 50.20 | 0.00 | 0. | 0.00 |
| 726 | 10.200 | 29.13 | 0.00 | 0.00 | 0.00 | 6.96 | 9.27 | 0.00 | 9.27 | 0.00 | 1.57 | 0.03 | 1.43 | 3.03 | 0.00 | 49.71 | 0.00 | 0. | 0.00 |
| 727 | 10.100 | 29.13 | 0.00 | 0.00 | 0.00 | 7.05 | 9.51 | 0.00 | 9.51 | 0.00 | 1.57 | 0.03 | 1.42 | 3.02 | 0.00 | 49.23 | 0.00 | 0. | 0.00 |
| 728 | 10.000 | 29.13 | 0.00 | 0.00 | 0.00 | 7.13 | 9.74 | 0.00 | 9.74 | 0.00 | 1.56 | 0.03 | 1.42 | 3.01 | 0.00 | 48.74 | 0.00 | 0. | 0.00 |
| 729 | 9.900 | 29.13 | 0.00 | 0.00 | 0.00 | 7.20 | 9.98 | 0.00 | 9.98 | 0.00 | 1.56 | 0.03 | 1.41 | 3.00 | 0.00 | 48.25 | 0.00 | 0. | 0.00 |
| 730 | 9.800 | 29.14 | 0.00 | 0.00 | 0.00 | 7.27 | 10.21 | 0.00 | 10.21 | 0.00 | 1.56 | 0.03 | 1.40 | 2.99 | 0.00 | 47.76 | 0.00 | 0. | 0.00 |
| 731 | 9.700 | 29.14 | 0.00 | 0.00 | 0.00 | 7.33 | 10.44 | 0.00 | 10.44 | 0.00 | 1.56 | 0.03 | 1.39 | 2.98 | 0.00 | 47.28 | 0.00 | 0. | 0.00 |
| 732 | 9.600 | 29.14 | 0.00 | 0.00 | 0.00 | 7.39 | 10.66 | 0.00 | 10.66 | 0.00 | 1.56 | 0.03 | 1.38 | 2.97 | 0.00 | 46.79 | 0.00 | 0. | 0.00 |
| 733 | 9.500 | 29.14 | 0.00 | 0.00 | 0.00 | 7.44 | 10.89 | 0.00 | 10.89 | 0.00 | 1.56 | 0.04 | 1.37 | 2.97 | 0.00 | 46.30 | 0.00 | 0. | 0.00 |
| 734 | 9.400 | 29.14 | 0.00 | 0.00 | 0.00 | 7.48 | 11.11 | 0.00 | 11.11 | 0.00 | 1.55 | 0.04 | 1.37 | 2.96 | 0.00 | 45.82 | 0.00 | 0. | 0.00 |
| 735 | 9.300 | 29.14 | 0.00 | 0.00 | 0.00 | 7.52 | 11.33 | 0.00 | 11.33 | 0.00 | 1.55 | 0.04 | 1.36 | 2.95 | 0.00 | 45.33 | 0.00 | 0. | 0.00 |
| 736 | 9.200 | 29.15 | 0.00 | 0.00 | 0.00 | 7.56 | 11.55 | 0.00 | 11.55 | 0.00 | 1.55 | 0.04 | 1.35 | 2.94 | 0.00 | 44.84 | 0.00 | 0. | 0.00 |
| 737 | 9.100 | 29.15 | 0.00 | 0.00 | 0.00 | 7.59 | 11.77 | 0.00 | 11.77 | 0.00 | 1.55 | 0.04 | 1.34 | 2.93 | 0.00 | 44.35 | 0.00 | 0. | 0.00 |
| 738 | 9.000 | 29.15 | 0.00 | 0.00 | 0.00 | 7.61 | 11.99 | 0.00 | 11.99 | 0.00 | 1.55 | 0.04 | 1.34 | 2.92 | 0.00 | 43.87 | 0.00 | 0. | 0.00 |
| 739 | 8.900 | 29.15 | 0.00 | 0.00 | 0.00 | 7.40 | 13.59 | 0.00 | 13.59 | 0.00 | 1.55 | 0.35 | 1.36 | 3.25 | 0.00 | 43.38 | 0.00 | 0. | 0.00 |
| 740 | 8.800 | 29.15 | 0.00 | 0.00 | 0.00 | 7.38 | 13.78 | 0.00 | 13.78 | 0.00 | 1.55 | 0.34 | 1.36 | 3.24 | 0.00 | 42.89 | 0.00 | 0. | 0.00 |
| 741 | 8.700 | 29.15 | 0.00 | 0.00 | 0.00 | 7.37 | 13.96 | 0.00 | 13.96 | 0.00 | 1.54 | 0.34 | 1.35 | 3.24 | 0.00 | 42.40 | 0.00 | 0. | 0.00 |
| 742 | 8.600 | 29.16 | 0.00 | 0.00 | 0.00 | 7.36 | 14.14 | 0.00 | 14.14 | 0.00 | 1.54 | 0.33 | 1.35 | 3.23 | 0.00 | 41.92 | 0.00 | 0. | 0.00 |
| 743 | 8.500 | 29.16 | 0.00 | 0.00 | 0.00 | 7.34 | 14.33 | 0.00 | 14.33 | 0.00 | 1.54 | 0.33 | 1.35 | 3.22 | 0.00 | 41.43 | 0.00 | 0. | 0.00 |
| 744 | 8.400 | 29.16 | 0.00 | 0.00 | 0.00 | 7.32 | 14.51 | 0.00 | 14.51 | 0.00 | 1.54 | 0.32 | 1.35 | 3.22 | 0.00 | 40.94 | 0.00 | 0. | 0.00 |
| 745 | 8.300 | 29.16 | 0.00 | 0.00 | 0.00 | 7.30 | 14.68 | 0.00 | 14.68 | 0.00 | 1.54 | 0.32 | 1.35 | 3.21 | 0.00 | 40.45 | 0.00 | 0. | 0.00 |
| 746 | 8.200 | 29.16 | 0.00 | 0.00 | 0.00 | 7.27 | 14.86 | 0.00 | 14.86 | 0.00 | 1.54 | 0.32 | 1.35 | 3.20 | 0.00 | 39.97 | 0.00 | 0. | 0.00 |
| 747 | 8.100 | 29.16 | 0.00 | 0.00 | 0.00 | 7.25 | 15.04 | 0.00 | 15.04 | 0.00 | 1.53 | 0.31 | 1.35 | 3.19 | 0.00 | 39.48 | 0.00 | 0. | 0.00 |
| 748 | 8.000 | 29.17 | 0.00 | 0.00 | 0.00 | 7.22 | 15.21 | 0.00 | 15.21 | 0.00 | 1.53 | 0.31 | 1.35 | 3.19 | 0.00 | 38.99 | 0.00 | 0. | 0.00 |
| 749 | 7.900 | 29.17 | 0.00 | 0.00 | 0.00 | 7.19 | 15.38 | 0.00 | 15.38 | 0.00 | 1.53 | 0.30 | 1.35 | 3.18 | 0.00 | 38.50 | 0.00 | 0. | 0.00 |
| 750 | 7.800 | 29.17 | 0.00 | 0.00 | 0.00 | 7.16 | 15.56 | 0.00 | 15.56 | 0.00 | 1.53 | 0.30 | 1.34 | 3.17 | 0.00 | 38.02 | 0.00 | 0. | 0.00 |
| 751 | 7.700 | 29.17 | 0.00 | 0.00 | 0.00 | 7.13 | 15.73 | 0.00 | 15.73 | 0.00 | 1.53 | 0.30 | 1.34 | 3.17 | 0.00 | 37.53 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 752 | 7.600 | 29.17 | 0.00 | 0.00 | 0.00 | 7.09 | 15.90 | 0.00 | 15.90 | 0.00 | 1.53 | 0.29 | 1.34 | 3.16 | 0.00 | 37.04 | 0.00 | 0. | 0.00 |
| 753 | 7.500 | 29.17 | 0.00 | 0.00 | 0.00 | 7.06 | 16.06 | 0.00 | 16.06 | 0.00 | 1.52 | 0.29 | 1.34 | 3.15 | 0.00 | 36.55 | 0.00 | 0. | 0.00 |
| 754 | 7.400 | 29.18 | 0.00 | 0.00 | 0.00 | 7.02 | 16.23 | 0.00 | 16.23 | 0.00 | 1.52 | 0.28 | 1.34 | 3.15 | 0.00 | 36.07 | 0.00 | 0. | 0.00 |
| 755 | 7.300 | 29.18 | 0.00 | 0.00 | 0.00 | 6.99 | 16.40 | 0.00 | 16.40 | 0.00 | 1.52 | 0.28 | 1.34 | 3.14 | 0.00 | 35.58 | 0.00 | 0. | 0.00 |
| 756 | 7.200 | 29.18 | 0.00 | 0.00 | 0.00 | 6.95 | 16.56 | 0.00 | 16.56 | 0.00 | 1.52 | 0.28 | 1.34 | 3.14 | 0.00 | 35.09 | 0.00 | 0. | 0.00 |
| 757 | 7.100 | 29.18 | 0.00 | 0.00 | 0.00 | 6.91 | 16.72 | 0.00 | 16.72 | 0.00 | 1.52 | 0.27 | 1.34 | 3.13 | 0.00 | 34.61 | 0.00 | 0. | 0.00 |
| 758 | 7.000 | 29.18 | 0.00 | 0.00 | 0.00 | 6.86 | 16.88 | 0.00 | 16.88 | 0.00 | 1.52 | 0.27 | 1.34 | 3.12 | 0.00 | 34.12 | 0.00 | 0. | 0.00 |
| 759 | 6.900 | 29.18 | 0.00 | 0.00 | 0.00 | 6.82 | 17.04 | 0.00 | 17.04 | 0.00 | 1.51 | 0.27 | 1.34 | 3.12 | 0.00 | 33.63 | 0.00 | 0. | 0.00 |
| 760 | 6.800 | 29.19 | 0.00 | 0.00 | 0.00 | 6.78 | 17.20 | 0.00 | 17.20 | 0.00 | 1.51 | 0.26 | 1.34 | 3.11 | 0.00 | 33.14 | 0.00 | 0. | 0.00 |
| 761 | 6.700 | 29.19 | 0.00 | 0.00 | 0.00 | 6.73 | 17.36 | 0.00 | 17.36 | 0.00 | 1.51 | 0.26 | 1.33 | 3.11 | 0.00 | 32.66 | 0.00 | 0. | 0.00 |
| 762 | 6.600 | 29.19 | 0.00 | 0.00 | 0.00 | 6.69 | 17.52 | 0.00 | 17.52 | 0.00 | 1.51 | 0.26 | 1.33 | 3.10 | 0.00 | 32.17 | 0.00 | 0. | 0.00 |
| 763 | 6.500 | 29.19 | 0.00 | 0.00 | 0.00 | 6.64 | 17.67 | 0.00 | 17.67 | 0.00 | 1.51 | 0.25 | 1.33 | 3.10 | 0.00 | 31.68 | 0.00 | 0. | 0.00 |
| 764 | 6.400 | 29.19 | 0.00 | 0.00 | 0.00 | 6.59 | 17.83 | 0.00 | 17.83 | 0.00 | 1.51 | 0.25 | 1.33 | 3.09 | 0.00 | 31.19 | 0.00 | 0. | 0.00 |
| 765 | 6.300 | 29.19 | 0.00 | 0.00 | 0.00 | 6.54 | 17.98 | 0.00 | 17.98 | 0.00 | 1.50 | 0.25 | 1.33 | 3.09 | 0.00 | 30.71 | 0.00 | 0. | 0.00 |
| 766 | 6.200 | 29.20 | 0.00 | 0.00 | 0.00 | 6.49 | 18.13 | 0.00 | 18.13 | 0.00 | 1.50 | 0.25 | 1.33 | 3.08 | 0.00 | 30.22 | 0.00 | 0. | 0.00 |
| 767 | 6.100 | 29.20 | 0.00 | 0.00 | 0.00 | 6.44 | 18.28 | 0.00 | 18.28 | 0.00 | 1.50 | 0.24 | 1.33 | 3.07 | 0.00 | 29.73 | 0.00 | 0. | 0.00 |
| 768 | 6.000 | 29.20 | 0.00 | 0.00 | 0.00 | 6.39 | 18.43 | 0.00 | 18.43 | 0.00 | 1.50 | 0.24 | 1.33 | 3.07 | 0.00 | 29.24 | 0.00 | 0. | 0.00 |
| 769 | 5.900 | 29.20 | 0.00 | 0.00 | 0.00 | 6.34 | 18.58 | 0.00 | 18.58 | 0.00 | 1.50 | 0.24 | 1.33 | 3.06 | 0.00 | 28.76 | 0.00 | 0. | 0.00 |
| 770 | 5.800 | 29.20 | 0.00 | 0.00 | 0.00 | 6.28 | 18.73 | 0.00 | 18.73 | 0.00 | 1.50 | 0.24 | 1.33 | 3.06 | 0.00 | 28.27 | 0.00 | 0. | 0.00 |
| 771 | 5.700 | 29.20 | 0.00 | 0.00 | 0.00 | 6.23 | 18.87 | 0.00 | 18.87 | 0.00 | 1.50 | 0.23 | 1.33 | 3.05 | 0.00 | 27.78 | 0.00 | 0. | 0.00 |
| 772 | 5.600 | 29.21 | 0.00 | 0.00 | 0.00 | 6.18 | 19.02 | 0.00 | 19.02 | 0.00 | 1.49 | 0.23 | 1.33 | 3.05 | 0.00 | 27.29 | 0.00 | 0. | 0.00 |
| 773 | 5.500 | 29.21 | 0.00 | 0.00 | 0.00 | 6.12 | 19.16 | 0.00 | 19.16 | 0.00 | 1.49 | 0.23 | 1.33 | 3.05 | 0.00 | 26.81 | 0.00 | 0. | 0.00 |
| 774 | 5.400 | 29.21 | 0.00 | 0.00 | 0.00 | 6.06 | 19.31 | 0.00 | 19.31 | 0.00 | 1.49 | 0.22 | 1.33 | 3.04 | 0.00 | 26.32 | 0.00 | 0. | 0.00 |
| 775 | 5.300 | 29.21 | 0.00 | 0.00 | 0.00 | 6.01 | 19.45 | 0.00 | 19.45 | 0.00 | 1.49 | 0.22 | 1.33 | 3.04 | 0.00 | 25.83 | 0.00 | 0. | 0.00 |
| 776 | 5.200 | 29.21 | 0.00 | 0.00 | 0.00 | 5.95 | 19.59 | 0.00 | 19.59 | 0.00 | 1.49 | 0.22 | 1.32 | 3.03 | 0.00 | 25.34 | 0.00 | 0. | 0.00 |
| 777 | 5.100 | 29.21 | 0.00 | 0.00 | 0.00 | 5.89 | 19.73 | 0.00 | 19.73 | 0.00 | 1.49 | 0.22 | 1.32 | 3.03 | 0.00 | 24.86 | 0.00 | 0. | 0.00 |
| 778 | 5.000 | 29.22 | 0.00 | 0.00 | 0.00 | 5.83 | 19.87 | 0.00 | 19.87 | 0.00 | 1.48 | 0.22 | 1.32 | 3.02 | 0.00 | 24.37 | 0.00 | 0. | 0.00 |
| 779 | 4.900 | 29.22 | 0.00 | 0.00 | 0.00 | 5.77 | 19.97 | 0.00 | 19.97 | 0.00 | 1.48 | 0.22 | 1.32 | 3.02 | 0.00 | 23.88 | 0.00 | 0. | 0.00 |
| 780 | 4.800 | 29.22 | 0.00 | 0.00 | 0.00 | 5.71 | 20.11 | 0.00 | 20.11 | 0.00 | 1.48 | 0.22 | 1.32 | 3.02 | 0.00 | 23.39 | 0.00 | 0. | 0.00 |
| 781 | 4.700 | 29.22 | 0.00 | 0.00 | 0.00 | 5.65 | 20.24 | 0.00 | 20.24 | 0.00 | 1.48 | 0.21 | 1.32 | 3.02 | 0.00 | 22.91 | 0.00 | 0. | 0.00 |
| 782 | 4.600 | 29.22 | 0.00 | 0.00 | 0.00 | 5.59 | 20.39 | 0.00 | 20.39 | 0.00 | 1.48 | 0.21 | 1.32 | 3.01 | 0.00 | 22.42 | 0.00 | 0. | 0.00 |
| 783 | 4.500 | 29.22 | 0.00 | 0.00 | 0.00 | 5.53 | 20.52 | 0.00 | 20.52 | 0.00 | 1.48 | 0.21 | 1.32 | 3.01 | 0.00 | 21.93 | 0.00 | 0. | 0.00 |
| 784 | 4.400 | 29.23 | 0.00 | 0.00 | 0.00 | 5.47 | 20.65 | 0.00 | 20.65 | 0.00 | 1.47 | 0.21 | 1.32 | 3.01 | 0.00 | 21.45 | 0.00 | 0. | 0.00 |
| 785 | 4.300 | 29.23 | 0.00 | 0.00 | 0.00 | 5.41 | 20.79 | 0.00 | 20.79 | 0.00 | 1.47 | 0.21 | 1.32 | 3.00 | 0.00 | 20.96 | 0.00 | 0. | 0.00 |
| 786 | 4.200 | 29.23 | 0.00 | 0.00 | 0.00 | 5.35 | 20.92 | 0.00 | 20.92 | 0.00 | 1.47 | 0.20 | 1.32 | 3.00 | 0.00 | 20.47 | 0.00 | 0. | 0.00 |
| 787 | 4.100 | 29.23 | 0.00 | 0.00 | 0.00 | 5.28 | 21.05 | 0.00 | 21.05 | 0.00 | 1.47 | 0.20 | 1.32 | 3.00 | 0.00 | 19.98 | 0.00 | 0. | 0.00 |
| 788 | 4.000 | 29.23 | 0.00 | 0.00 | 0.00 | 5.22 | 21.17 | 0.00 | 21.17 | 0.00 | 1.47 | 0.20 | 1.32 | 2.99 | 0.00 | 19.50 | 0.00 | 0. | 0.00 |
| 789 | 3.900 | 29.23 | 0.00 | 0.00 | 0.00 | 5.16 | 21.30 | 0.00 | 21.30 | 0.00 | 1.47 | 0.20 | 1.32 | 2.99 | 0.00 | 19.01 | 0.00 | 0. | 0.00 |
| 790 | 3.800 | 29.24 | 0.00 | 0.00 | 0.00 | 5.10 | 21.43 | 0.00 | 21.43 | 0.00 | 1.46 | 0.20 | 1.33 | 2.99 | 0.00 | 18.52 | 0.00 | 0. | 0.00 |
| 791 | 3.700 | 29.24 | 0.00 | 0.00 | 0.00 | 5.03 | 21.55 | 0.00 | 21.55 | 0.00 | 1.46 | 0.20 | 1.33 | 2.98 | 0.00 | 18.03 | 0.00 | 0. | 0.00 |
| 792 | 3.600 | 29.24 | 0.00 | 0.00 | 0.00 | 4.97 | 21.68 | 0.00 | 21.68 | 0.00 | 1.46 | 0.19 | 1.33 | 2.98 | 0.00 | 17.55 | 0.00 | 0. | 0.00 |
| 793 | 3.500 | 29.24 | 0.00 | 0.00 | 0.00 | 4.90 | 21.80 | 0.00 | 21.80 | 0.00 | 1.46 | 0.19 | 1.33 | 2.98 | 0.00 | 17.06 | 0.00 | 0. | 0.00 |
| 794 | 3.400 | 29.24 | 0.00 | 0.00 | 0.00 | 4.84 | 21.92 | 0.00 | 21.92 | 0.00 | 1.46 | 0.19 | 1.33 | 2.98 | 0.00 | 16.57 | 0.00 | 0. | 0.00 |
| 795 | 3.300 | 29.24 | 0.00 | 0.00 | 0.00 | 4.78 | 22.04 | 0.00 | 22.04 | 0.00 | 1.46 | 0.19 | 1.33 | 2.97 | 0.00 | 16.08 | 0.00 | 0. | 0.00 |
| 796 | 3.200 | 29.25 | 0.00 | 0.00 | 0.00 | 4.71 | 22.16 | 0.00 | 22.16 | 0.00 | 1.46 | 0.19 | 1.33 | 2.97 | 0.00 | 15.60 | 0.00 | 0. | 0.00 |
| 797 | 3.100 | 29.25 | 0.00 | 0.00 | 0.00 | 4.65 | 22.28 | 0.00 | 22.28 | 0.00 | 1.45 | 0.19 | 1.33 | 2.97 | 0.00 | 15.11 | 0.00 | 0. | 0.00 |
| 798 | 3.000 | 29.25 | 0.00 | 0.00 | 0.00 | 4.58 | 22.40 | 0.00 | 22.40 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 14.62 | 0.00 | 0. | 0.00 |
| 799 | 2.900 | 29.25 | 0.00 | 0.00 | 0.00 | 4.51 | 22.52 | 0.00 | 22.52 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 14.13 | 0.00 | 0. | 0.00 |
| 800 | 2.800 | 29.25 | 0.00 | 0.00 | 0.00 | 4.45 | 22.63 | 0.00 | 22.63 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 13.65 | 0.00 | 0. | 0.00 |
| 801 | 2.700 | 29.25 | 0.00 | 0.00 | 0.00 | 4.38 | 22.75 | 0.00 | 22.75 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 13.16 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802 | 2.600 | 29.26 | 0.00 | 0.00 | 0.00 | 4.32 | 22.86 | 0.00 | 22.86 | 0.00 | 1.45 | 0.18 | 1.33 | 2.96 | 0.00 | 12.67 | 0.00 | 0. | 0.00 |
| 803 | 2.500 | 29.26 | 0.00 | 0.00 | 0.00 | 4.25 | 22.98 | 0.00 | 22.98 | 0.00 | 1.44 | 0.18 | 1.33 | 2.95 | 0.00 | 12.18 | 0.00 | 0. | 0.00 |
| 804 | 2.400 | 29.26 | 0.00 | 0.00 | 0.00 | 4.18 | 23.09 | 0.00 | 23.09 | 0.00 | 1.44 | 0.18 | 1.33 | 2.95 | 0.00 | 11.70 | 0.00 | 0. | 0.00 |
| 805 | 2.300 | 29.26 | 0.00 | 0.00 | 0.00 | 4.12 | 23.20 | 0.00 | 23.20 | 0.00 | 1.44 | 0.17 | 1.33 | 2.95 | 0.00 | 11.21 | 0.00 | 0. | 0.00 |
| 806 | 2.200 | 29.26 | 0.00 | 0.00 | 0.00 | 4.05 | 23.31 | 0.00 | 23.31 | 0.00 | 1.44 | 0.17 | 1.34 | 2.95 | 0.00 | 10.72 | 0.00 | 0. | 0.00 |
| 807 | 2.100 | 29.26 | 0.00 | 0.00 | 0.00 | 3.98 | 23.42 | 0.00 | 23.42 | 0.00 | 1.44 | 0.17 | 1.34 | 2.95 | 0.00 | 10.24 | 0.00 | 0. | 0.00 |
| 808 | 2.000 | 29.27 | 0.00 | 0.00 | 0.00 | 3.92 | 23.53 | 0.00 | 23.53 | 0.00 | 1.44 | 0.17 | 1.34 | 2.94 | 0.00 | 9.75 | 0.00 | 0. | 0.00 |
| 809 | 1.900 | 29.27 | 0.00 | 0.00 | 0.00 | 3.85 | 23.64 | 0.00 | 23.64 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 9.26 | 0.00 | 0. | 0.00 |
| 810 | 1.800 | 29.27 | 0.00 | 0.00 | 0.00 | 3.78 | 23.75 | 0.00 | 23.75 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 8.77 | 0.00 | 0. | 0.00 |
| 811 | 1.700 | 29.27 | 0.00 | 0.00 | 0.00 | 3.72 | 23.85 | 0.00 | 23.85 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 8.29 | 0.00 | 0. | 0.00 |
| 812 | 1.600 | 29.27 | 0.00 | 0.00 | 0.00 | 3.65 | 23.96 | 0.00 | 23.96 | 0.00 | 1.43 | 0.17 | 1.34 | 2.94 | 0.00 | 7.80 | 0.00 | 0. | 0.00 |
| 813 | 1.500 | 29.27 | 0.00 | 0.00 | 0.00 | 3.58 | 24.07 | 0.00 | 24.07 | 0.00 | 1.43 | 0.16 | 1.34 | 2.94 | 0.00 | 7.31 | 0.00 | 0. | 0.00 |
| 814 | 1.400 | 29.28 | 0.00 | 0.00 | 0.00 | 3.51 | 24.17 | 0.00 | 24.17 | 0.00 | 1.43 | 0.16 | 1.34 | 2.94 | 0.00 | 6.82 | 0.00 | 0. | 0.00 |
| 815 | 1.300 | 29.28 | 0.00 | 0.00 | 0.00 | 3.45 | 24.27 | 0.00 | 24.27 | 0.00 | 1.43 | 0.16 | 1.35 | 2.93 | 0.00 | 6.34 | 0.00 | 0. | 0.00 |
| 816 | 1.200 | 29.28 | 0.00 | 0.00 | 0.00 | 3.38 | 24.38 | 0.00 | 24.38 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 5.85 | 0.00 | 0. | 0.00 |
| 817 | 1.100 | 29.28 | 0.00 | 0.00 | 0.00 | 3.31 | 24.48 | 0.00 | 24.48 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 5.36 | 0.00 | 0. | 0.00 |
| 818 | 1.000 | 29.28 | 0.00 | 0.00 | 0.00 | 3.24 | 24.58 | 0.00 | 24.58 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 4.87 | 0.00 | 0. | 0.00 |
| 819 | 0.900 | 29.28 | 0.00 | 0.00 | 0.00 | 3.18 | 24.68 | 0.00 | 24.68 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 4.39 | 0.00 | 0. | 0.00 |
| 820 | 0.800 | 29.29 | 0.00 | 0.00 | 0.00 | 3.11 | 24.78 | 0.00 | 24.78 | 0.00 | 1.42 | 0.16 | 1.35 | 2.93 | 0.00 | 3.90 | 0.00 | 0. | 0.00 |
| 821 | 0.700 | 29.29 | 0.00 | 0.00 | 0.00 | 3.04 | 24.88 | 0.00 | 24.88 | 0.00 | 1.42 | 0.16 | 1.36 | 2.93 | 0.00 | 3.41 | 0.00 | 0. | 0.00 |
| 822 | 0.600 | 29.29 | 0.00 | 0.00 | 0.00 | 2.97 | 24.98 | 0.00 | 24.98 | 0.00 | 1.41 | 0.16 | 1.36 | 2.93 | 0.00 | 2.92 | 0.00 | 0. | 0.00 |
| 823 | 0.500 | 29.29 | 0.00 | 0.00 | 0.00 | 2.91 | 25.07 | 0.00 | 25.07 | 0.00 | 1.41 | 0.16 | 1.36 | 2.93 | 0.00 | 2.44 | 0.00 | 0. | 0.00 |
| 824 | 0.400 | 29.29 | 0.00 | 0.00 | 0.00 | 2.84 | 25.17 | 0.00 | 25.17 | 0.00 | 1.41 | 0.15 | 1.36 | 2.93 | 0.00 | 1.95 | 0.00 | 0. | 0.00 |
| 825 | 0.300 | 29.29 | 0.00 | 0.00 | 0.00 | 2.77 | 25.27 | 0.00 | 25.27 | 0.00 | 1.41 | 0.15 | 1.36 | 2.93 | 0.00 | 1.46 | 0.00 | 0. | 0.00 |
| 826 | 0.200 | 29.30 | 0.00 | 0.00 | 0.00 | 2.70 | 25.36 | 0.00 | 25.36 | 0.00 | 1.41 | 0.15 | 1.37 | 2.93 | 0.00 | 0.97 | 0.00 | 0. | 0.00 |
| 827 | 0.100 | 29.30 | 0.00 | 0.00 | 0.00 | 2.64 | 25.46 | 0.00 | 25.46 | 0.00 | 1.41 | 0.15 | 1.37 | 2.93 | 0.00 | 0.49 | 0.00 | 0. | 0.00 |
| 828 | 0.000 | 29.30 | 0.00 | 0.00 | 0.00 | 2.57 | 25.55 | 0.00 | 25.55 | 0.00 | 1.41 | 0.15 | 1.37 | 2.93 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Bayou Plaquemine Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 5.54 DAYS

MAXIMUM EFFLUENT = 8.33 PERCENT

FLOW = 0.77000 TO 0.83995 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s
VELOCITY = 0.02333 TO 0.02545 m/s
DEPTH = 1.10 TO 1.10 m
WIDTH = 30.00 TO 30.00 m

BOD DECAY = 0.17 TO 0.17 per day
NH3 DECAY = 0.31 TO 0.41 per day
SOD = 0.89 TO 0.90 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 0.75 TO 0.76 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 29.10 TO 29.30 deg C

DISSOLVED OXYGEN = 2.57 TO 7.61 mg/L
FINAL REPORT Upper Grand River #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 13 Upper Grand River #1 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | HDWTR | 3.94000 | 30.50 | 0.00 | 0.00 | 0.00 | 3.30 | 16.00 | 0.00 | 16.00 | 0.00 | 1.40 | 0.03 | 1.60 | 0.00 | 32.00 | 0.00 | 0.00 |
| 907 | WSTLD | 0.96829 | 30.50 | 0.00 | 0.00 | 0.00 | 5.50 | 10.00 | 0.00 | 10.00 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m≥/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m≥ | VOLUME AREA m≤ | AREA m≤ | PRISM m≥ | SURFACE VELO m/s | X-SECT m≤/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 12.40 | 12.30 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 880 | 12.30 | 12.20 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 881 | 12.20 | 12.10 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 882 | 12.10 | 12.00 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 883 | 12.00 | 11.90 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 884 | 11.90 | 11.80 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 885 | 11.80 | 11.70 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 886 | 11.70 | 11.60 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 887 | 11.60 | 11.50 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 888 | 11.50 | 11.40 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 889 | 11.40 | 11.30 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 890 | 11.30 | 11.20 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 891 | 11.20 | 11.10 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 892 | 11.10 | 11.00 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 893 | 11.00 | 10.90 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 894 | 10.90 | 10.80 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 895 | 10.80 | 10.70 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 896 | 10.70 | 10.60 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 897 | 10.60 | 10.50 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 898 | 10.50 | 10.40 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 899 | 10.40 | 10.30 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 900 | 10.30 | 10.20 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 901 | 10.20 | 10.10 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 902 | 10.10 | 10.00 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 903 | 10.00 | 9.90 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 904 | 9.90 | 9.80 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 905 | 9.80 | 9.70 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 906 | 9.70 | 9.60 | 3.94000 | 0.0 | 0.04070 | 0.03 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.041 | | |
| 907 | 9.60 | 9.50 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 | | |
| 908 | 9.50 | 9.40 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 | | |
| 909 | 9.40 | 9.30 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 | | |
| 910 | 9.30 | 9.20 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 | | |
| 911 | 9.20 | 9.10 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 | | |
| 912 | 9.10 | 9.00 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 913 | 9.00 | 8.90 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 914 | 8.90 | 8.80 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 915 | 8.80 | 8.70 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 916 | 8.70 | 8.60 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 917 | 8.60 | 8.50 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 918 | 8.50 | 8.40 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 919 | 8.40 | 8.30 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 920 | 8.30 | 8.20 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 921 | 8.20 | 8.10 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 922 | 8.10 | 8.00 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 923 | 8.00 | 7.90 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 924 | 7.90 | 7.80 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 925 | 7.80 | 7.70 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 926 | 7.70 | 7.60 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 927 | 7.60 | 7.50 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 928 | 7.50 | 7.40 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 929 | 7.40 | 7.30 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 930 | 7.30 | 7.20 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 931 | 7.20 | 7.10 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 932 | 7.10 | 7.00 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 933 | 7.00 | 6.90 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 934 | 6.90 | 6.80 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 935 | 6.80 | 6.70 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 936 | 6.70 | 6.60 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 937 | 6.60 | 6.50 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 938 | 6.50 | 6.40 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 939 | 6.40 | 6.30 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 940 | 6.30 | 6.20 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 941 | 6.20 | 6.10 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 942 | 6.10 | 6.00 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 943 | 6.00 | 5.90 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 944 | 5.90 | 5.80 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 945 | 5.80 | 5.70 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 946 | 5.70 | 5.60 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 947 | 5.60 | 5.50 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 948 | 5.50 | 5.40 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 949 | 5.40 | 5.30 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 950 | 5.30 | 5.20 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 951 | 5.20 | 5.10 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 952 | 5.10 | 5.00 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 953 | 5.00 | 4.90 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 954 | 4.90 | 4.80 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 955 | 4.80 | 4.70 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 956 | 4.70 | 4.60 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 957 | 4.60 | 4.50 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 958 | 4.50 | 4.40 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 959 | 4.40 | 4.30 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 960 | 4.30 | 4.20 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 961 | 4.20 | 4.10 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |
| 962 | 4.10 | 4.00 | 4.90829 | 19.7 | 0.05071 | 0.02 | 1.10 | 88.00 | 9680.00 | 8800.00 | 96.80 | 0.00 | 0.000 | 0.000 | 0.051 |

TOT 2.07 813120.00 739200.00
AVG 0.0469 1.10 88.00 96.80
CUM 2.07
********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 DECAY 1/da | BOD#2 SETT * | ABOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 12.300 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 880 | 12.200 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 881 | 12.100 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 882 | 12.000 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 883 | 11.900 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 884 | 11.800 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 885 | 11.700 | 7.37 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 886 | 11.600 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 887 | 11.500 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 888 | 11.400 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.28 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 889 | 11.300 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.28 | 0.03 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 890 | 11.200 | 7.38 | 0.85 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.28 | 0.03 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 891 | 11.100 | 7.38 | 0.85 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.27 | 0.03 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 892 | 11.000 | 7.38 | 0.85 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.18 | 0.03 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 893 | 10.900 | 7.38 | 0.85 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.10 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 894 | 10.800 | 7.38 | 0.85 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.27 | 3.04 | 0.03 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 895 | 10.700 | 7.38 | 0.85 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.27 | 2.99 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 896 | 10.600 | 7.39 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.27 | 2.94 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 897 | 10.500 | 7.39 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.27 | 2.91 | 0.03 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 898 | 10.400 | 7.39 | 0.85 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.27 | 2.89 | 0.03 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 899 | 10.300 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 2.87 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900 | 10.200 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 2.86 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 901 | 10.100 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 2.85 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 902 | 10.000 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 2.84 | 0.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 903 | 9.900 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 2.84 | 0.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 904 | 9.800 | 7.39 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 2.84 | 0.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 905 | 9.700 | 7.40 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 2.84 | 0.03 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 906 | 9.600 | 7.40 | 0.85 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 2.85 | 0.02 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 907 | 9.500 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 908 | 9.400 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 909 | 9.300 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 910 | 9.200 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 911 | 9.100 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 912 | 9.000 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 913 | 8.900 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 914 | 8.800 | 7.40 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 915 | 8.700 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 916 | 8.600 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 917 | 8.500 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 918 | 8.400 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 919 | 8.300 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 920 | 8.200 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 921 | 8.100 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 922 | 8.000 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 923 | 7.900 | 7.41 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 924 | 7.800 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 925 | 7.700 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 926 | 7.600 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 927 | 7.500 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 928 | 7.400 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 929 | 7.300 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 930 | 7.200 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 931 | 7.100 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 932 | 7.000 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 933 | 6.900 | 7.42 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 934 | 6.800 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 935 | 6.700 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 936 | 6.600 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 937 | 6.500 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 938 | 6.400 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 939 | 6.300 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 940 | 6.200 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 941 | 6.100 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 942 | 6.000 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 943 | 5.900 | 7.43 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 944 | 5.800 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 945 | 5.700 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.02 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 946 | 5.600 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 947 | 5.500 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 948 | 5.400 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 949 | 5.300 | 7.44 | 0.94 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 950 | 5.200 | 7.44 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 951 | 5.100 | 7.44 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 952 | 5.000 | 7.44 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 953 | 4.900 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 954 | 4.800 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 955 | 4.700 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 956 | 4.600 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 957 | 4.500 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 958 | 4.400 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 959 | 4.300 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 960 | 4.200 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 961 | 4.100 | 7.45 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 962 | 4.000 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | | 0.74 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | | 0.02 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 12.300 | 31.49 | 0.00 | 0.00 | 0.00 | 3.16 | 15.77 | 0.00 | 15.77 | 0.00 | 1.40 | 0.03 | 1.60 | 3.03 | 0.00 | 32.07 | 0.00 | 0. | 0.00 |
| 880 | 12.200 | 31.48 | 0.00 | 0.00 | 0.00 | 3.03 | 15.55 | 0.00 | 15.55 | 0.00 | 1.40 | 0.03 | 1.59 | 3.02 | 0.00 | 32.14 | 0.00 | 0. | 0.00 |
| 881 | 12.100 | 31.48 | 0.00 | 0.00 | 0.00 | 2.91 | 15.33 | 0.00 | 15.33 | 0.00 | 1.40 | 0.03 | 1.59 | 3.02 | 0.00 | 32.21 | 0.00 | 0. | 0.00 |
| 882 | 12.000 | 31.47 | 0.00 | 0.00 | 0.00 | 2.79 | 15.11 | 0.00 | 15.11 | 0.00 | 1.40 | 0.03 | 1.59 | 3.01 | 0.00 | 32.29 | 0.00 | 0. | 0.00 |
| 883 | 11.900 | 31.46 | 0.00 | 0.00 | 0.00 | 2.68 | 14.89 | 0.00 | 14.89 | 0.00 | 1.40 | 0.03 | 1.58 | 3.01 | 0.00 | 32.36 | 0.00 | 0. | 0.00 |
| 884 | 11.800 | 31.45 | 0.00 | 0.00 | 0.00 | 2.58 | 14.68 | 0.00 | 14.68 | 0.00 | 1.39 | 0.03 | 1.58 | 3.01 | 0.00 | 32.43 | 0.00 | 0. | 0.00 |
| 885 | 11.700 | 31.44 | 0.00 | 0.00 | 0.00 | 2.48 | 14.47 | 0.00 | 14.47 | 0.00 | 1.39 | 0.03 | 1.58 | 3.00 | 0.00 | 32.50 | 0.00 | 0. | 0.00 |
| 886 | 11.600 | 31.43 | 0.00 | 0.00 | 0.00 | 2.39 | 14.27 | 0.00 | 14.27 | 0.00 | 1.39 | 0.04 | 1.57 | 3.00 | 0.00 | 32.57 | 0.00 | 0. | 0.00 |
| 887 | 11.500 | 31.42 | 0.00 | 0.00 | 0.00 | 2.30 | 14.06 | 0.00 | 14.06 | 0.00 | 1.39 | 0.04 | 1.57 | 2.99 | 0.00 | 32.64 | 0.00 | 0. | 0.00 |
| 888 | 11.400 | 31.42 | 0.00 | 0.00 | 0.00 | 2.21 | 13.86 | 0.00 | 13.86 | 0.00 | 1.39 | 0.04 | 1.56 | 2.99 | 0.00 | 32.71 | 0.00 | 0. | 0.00 |
| 889 | 11.300 | 31.41 | 0.00 | 0.00 | 0.00 | 2.14 | 13.67 | 0.00 | 13.67 | 0.00 | 1.39 | 0.04 | 1.56 | 2.99 | 0.00 | 32.79 | 0.00 | 0. | 0.00 |
| 890 | 11.200 | 31.40 | 0.00 | 0.00 | 0.00 | 2.06 | 13.47 | 0.00 | 13.47 | 0.00 | 1.39 | 0.04 | 1.56 | 2.98 | 0.00 | 32.86 | 0.00 | 0. | 0.00 |
| 891 | 11.100 | 31.39 | 0.00 | 0.00 | 0.00 | 1.99 | 13.28 | 0.00 | 13.28 | 0.00 | 1.39 | 0.04 | 1.55 | 2.98 | 0.00 | 32.93 | 0.00 | 0. | 0.00 |
| 892 | 11.000 | 31.38 | 0.00 | 0.00 | 0.00 | 1.94 | 13.10 | 0.00 | 13.10 | 0.00 | 1.39 | 0.04 | 1.55 | 2.98 | 0.00 | 33.00 | 0.00 | 0. | 0.00 |
| 893 | 10.900 | 31.38 | 0.00 | 0.00 | 0.00 | 1.89 | 12.92 | 0.00 | 12.92 | 0.00 | 1.39 | 0.04 | 1.55 | 2.97 | 0.00 | 33.07 | 0.00 | 0. | 0.00 |
| 894 | 10.800 | 31.37 | 0.00 | 0.00 | 0.00 | 1.86 | 12.75 | 0.00 | 12.75 | 0.00 | 1.38 | 0.04 | 1.54 | 2.97 | 0.00 | 33.14 | 0.00 | 0. | 0.00 |
| 895 | 10.700 | 31.36 | 0.00 | 0.00 | 0.00 | 1.83 | 12.59 | 0.00 | 12.59 | 0.00 | 1.38 | 0.04 | 1.54 | 2.96 | 0.00 | 33.21 | 0.00 | 0. | 0.00 |
| 896 | 10.600 | 31.35 | 0.00 | 0.00 | 0.00 | 1.80 | 12.43 | 0.00 | 12.43 | 0.00 | 1.38 | 0.04 | 1.54 | 2.96 | 0.00 | 33.29 | 0.00 | 0. | 0.00 |
| 897 | 10.500 | 31.34 | 0.00 | 0.00 | 0.00 | 1.78 | 12.27 | 0.00 | 12.27 | 0.00 | 1.38 | 0.04 | 1.53 | 2.96 | 0.00 | 33.36 | 0.00 | 0. | 0.00 |
| 898 | 10.400 | 31.33 | 0.00 | 0.00 | 0.00 | 1.77 | 12.12 | 0.00 | 12.12 | 0.00 | 1.38 | 0.04 | 1.53 | 2.95 | 0.00 | 33.43 | 0.00 | 0. | 0.00 |
| 899 | 10.300 | 31.33 | 0.00 | 0.00 | 0.00 | 1.76 | 11.97 | 0.00 | 11.97 | 0.00 | 1.38 | 0.04 | 1.52 | 2.95 | 0.00 | 33.50 | 0.00 | 0. | 0.00 |
| 900 | 10.200 | 31.32 | 0.00 | 0.00 | 0.00 | 1.75 | 11.82 | 0.00 | 11.82 | 0.00 | 1.38 | 0.04 | 1.52 | 2.94 | 0.00 | 33.57 | 0.00 | 0. | 0.00 |
| 901 | 10.100 | 31.31 | 0.00 | 0.00 | 0.00 | 1.75 | 11.67 | 0.00 | 11.67 | 0.00 | 1.38 | 0.05 | 1.52 | 2.94 | 0.00 | 33.64 | 0.00 | 0. | 0.00 |
| 902 | 10.000 | 31.30 | 0.00 | 0.00 | 0.00 | 1.74 | 11.53 | 0.00 | 11.53 | 0.00 | 1.38 | 0.05 | 1.51 | 2.94 | 0.00 | 33.71 | 0.00 | 0. | 0.00 |
| 903 | 9.900 | 31.29 | 0.00 | 0.00 | 0.00 | 1.74 | 11.39 | 0.00 | 11.39 | 0.00 | 1.38 | 0.05 | 1.51 | 2.93 | 0.00 | 33.79 | 0.00 | 0. | 0.00 |
| 904 | 9.800 | 31.28 | 0.00 | 0.00 | 0.00 | 1.74 | 11.24 | 0.00 | 11.24 | 0.00 | 1.37 | 0.05 | 1.51 | 2.93 | 0.00 | 33.86 | 0.00 | 0. | 0.00 |
| 905 | 9.700 | 31.27 | 0.00 | 0.00 | 0.00 | 1.75 | 11.11 | 0.00 | 11.11 | 0.00 | 1.37 | 0.05 | 1.50 | 2.92 | 0.00 | 33.93 | 0.00 | 0. | 0.00 |
| 906 | 9.600 | 31.27 | 0.00 | 0.00 | 0.00 | 1.75 | 10.97 | 0.00 | 10.97 | 0.00 | 1.37 | 0.05 | 1.50 | 2.92 | 0.00 | 34.00 | 0.00 | 0. | 0.00 |
| 907 | 9.500 | 31.26 | 0.00 | 0.00 | 0.00 | 2.47 | 10.65 | 0.00 | 10.65 | 0.00 | 1.38 | 0.06 | 1.20 | 2.64 | 0.00 | 34.07 | 0.00 | 0. | 0.00 |
| 908 | 9.400 | 31.25 | 0.00 | 0.00 | 0.00 | 2.45 | 10.53 | 0.00 | 10.53 | 0.00 | 1.38 | 0.06 | 1.20 | 2.63 | 0.00 | 34.14 | 0.00 | 0. | 0.00 |
| 909 | 9.300 | 31.24 | 0.00 | 0.00 | 0.00 | 2.44 | 10.41 | 0.00 | 10.41 | 0.00 | 1.38 | 0.06 | 1.19 | 2.63 | 0.00 | 34.21 | 0.00 | 0. | 0.00 |
| 910 | 9.200 | 31.23 | 0.00 | 0.00 | 0.00 | 2.42 | 10.30 | 0.00 | 10.30 | 0.00 | 1.37 | 0.06 | 1.19 | 2.63 | 0.00 | 34.29 | 0.00 | 0. | 0.00 |
| 911 | 9.100 | 31.23 | 0.00 | 0.00 | 0.00 | 2.41 | 10.18 | 0.00 | 10.18 | 0.00 | 1.37 | 0.06 | 1.19 | 2.62 | 0.00 | 34.36 | 0.00 | 0. | 0.00 |
| 912 | 9.000 | 31.22 | 0.00 | 0.00 | 0.00 | 2.40 | 10.06 | 0.00 | 10.06 | 0.00 | 1.37 | 0.06 | 1.19 | 2.62 | 0.00 | 34.43 | 0.00 | 0. | 0.00 |
| 913 | 8.900 | 31.21 | 0.00 | 0.00 | 0.00 | 2.39 | 9.95 | 0.00 | 9.95 | 0.00 | 1.37 | 0.06 | 1.18 | 2.62 | 0.00 | 34.50 | 0.00 | 0. | 0.00 |
| 914 | 8.800 | 31.20 | 0.00 | 0.00 | 0.00 | 2.38 | 9.84 | 0.00 | 9.84 | 0.00 | 1.37 | 0.06 | 1.18 | 2.61 | 0.00 | 34.57 | 0.00 | 0. | 0.00 |
| 915 | 8.700 | 31.19 | 0.00 | 0.00 | 0.00 | 2.37 | 9.73 | 0.00 | 9.73 | 0.00 | 1.37 | 0.06 | 1.18 | 2.61 | 0.00 | 34.64 | 0.00 | 0. | 0.00 |
| 916 | 8.600 | 31.18 | 0.00 | 0.00 | 0.00 | 2.37 | 9.62 | 0.00 | 9.62 | 0.00 | 1.37 | 0.06 | 1.17 | 2.61 | 0.00 | 34.71 | 0.00 | 0. | 0.00 |
| 917 | 8.500 | 31.17 | 0.00 | 0.00 | 0.00 | 2.36 | 9.51 | 0.00 | 9.51 | 0.00 | 1.37 | 0.06 | 1.17 | 2.60 | 0.00 | 34.79 | 0.00 | 0. | 0.00 |
| 918 | 8.400 | 31.17 | 0.00 | 0.00 | 0.00 | 2.36 | 9.40 | 0.00 | 9.40 | 0.00 | 1.37 | 0.06 | 1.17 | 2.60 | 0.00 | 34.86 | 0.00 | 0. | 0.00 |
| 919 | 8.300 | 31.16 | 0.00 | 0.00 | 0.00 | 2.36 | 9.29 | 0.00 | 9.29 | 0.00 | 1.37 | 0.06 | 1.17 | 2.60 | 0.00 | 34.93 | 0.00 | 0. | 0.00 |
| 920 | 8.200 | 31.15 | 0.00 | 0.00 | 0.00 | 2.36 | 9.19 | 0.00 | 9.19 | 0.00 | 1.37 | 0.06 | 1.16 | 2.59 | 0.00 | 35.00 | 0.00 | 0. | 0.00 |
| 921 | 8.100 | 31.14 | 0.00 | 0.00 | 0.00 | 2.37 | 9.08 | 0.00 | 9.08 | 0.00 | 1.37 | 0.06 | 1.16 | 2.59 | 0.00 | 35.07 | 0.00 | 0. | 0.00 |
| 922 | 8.000 | 31.13 | 0.00 | 0.00 | 0.00 | 2.37 | 8.98 | 0.00 | 8.98 | 0.00 | 1.37 | 0.06 | 1.16 | 2.59 | 0.00 | 35.14 | 0.00 | 0. | 0.00 |
| 923 | 7.900 | 31.12 | 0.00 | 0.00 | 0.00 | 2.37 | 8.88 | 0.00 | 8.88 | 0.00 | 1.36 | 0.06 | 1.15 | 2.58 | 0.00 | 35.21 | 0.00 | 0. | 0.00 |
| 924 | 7.800 | 31.12 | 0.00 | 0.00 | 0.00 | 2.38 | 8.78 | 0.00 | 8.78 | 0.00 | 1.36 | 0.06 | 1.15 | 2.58 | 0.00 | 35.29 | 0.00 | 0. | 0.00 |
| 925 | 7.700 | 31.11 | 0.00 | 0.00 | 0.00 | 2.39 | 8.68 | 0.00 | 8.68 | 0.00 | 1.36 | 0.06 | 1.15 | 2.58 | 0.00 | 35.36 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 926 | 7.600 | 31.10 | 0.00 | 0.00 | 0.00 | 2.39 | 8.58 | 0.00 | 8.58 | 0.00 | 1.36 | 0.06 | 1.15 | 2.57 | 0.00 | 35.43 | 0.00 | 0. | 0.00 |
| 927 | 7.500 | 31.09 | 0.00 | 0.00 | 0.00 | 2.40 | 8.49 | 0.00 | 8.49 | 0.00 | 1.36 | 0.06 | 1.14 | 2.57 | 0.00 | 35.50 | 0.00 | 0. | 0.00 |
| 928 | 7.400 | 31.08 | 0.00 | 0.00 | 0.00 | 2.41 | 8.39 | 0.00 | 8.39 | 0.00 | 1.36 | 0.06 | 1.14 | 2.57 | 0.00 | 35.57 | 0.00 | 0. | 0.00 |
| 929 | 7.300 | 31.07 | 0.00 | 0.00 | 0.00 | 2.43 | 8.30 | 0.00 | 8.30 | 0.00 | 1.36 | 0.07 | 1.14 | 2.56 | 0.00 | 35.64 | 0.00 | 0. | 0.00 |
| 930 | 7.200 | 31.07 | 0.00 | 0.00 | 0.00 | 2.44 | 8.20 | 0.00 | 8.20 | 0.00 | 1.36 | 0.07 | 1.13 | 2.56 | 0.00 | 35.71 | 0.00 | 0. | 0.00 |
| 931 | 7.100 | 31.06 | 0.00 | 0.00 | 0.00 | 2.45 | 8.11 | 0.00 | 8.11 | 0.00 | 1.36 | 0.07 | 1.13 | 2.56 | 0.00 | 35.79 | 0.00 | 0. | 0.00 |
| 932 | 7.000 | 31.05 | 0.00 | 0.00 | 0.00 | 2.47 | 8.02 | 0.00 | 8.02 | 0.00 | 1.36 | 0.07 | 1.13 | 2.55 | 0.00 | 35.86 | 0.00 | 0. | 0.00 |
| 933 | 6.900 | 31.04 | 0.00 | 0.00 | 0.00 | 2.48 | 7.93 | 0.00 | 7.93 | 0.00 | 1.36 | 0.07 | 1.13 | 2.55 | 0.00 | 35.93 | 0.00 | 0. | 0.00 |
| 934 | 6.800 | 31.03 | 0.00 | 0.00 | 0.00 | 2.50 | 7.84 | 0.00 | 7.84 | 0.00 | 1.36 | 0.07 | 1.12 | 2.55 | 0.00 | 36.00 | 0.00 | 0. | 0.00 |
| 935 | 6.700 | 31.02 | 0.00 | 0.00 | 0.00 | 2.51 | 7.75 | 0.00 | 7.75 | 0.00 | 1.36 | 0.07 | 1.12 | 2.54 | 0.00 | 36.07 | 0.00 | 0. | 0.00 |
| 936 | 6.600 | 31.02 | 0.00 | 0.00 | 0.00 | 2.53 | 7.67 | 0.00 | 7.67 | 0.00 | 1.35 | 0.07 | 1.12 | 2.54 | 0.00 | 36.14 | 0.00 | 0. | 0.00 |
| 937 | 6.500 | 31.01 | 0.00 | 0.00 | 0.00 | 2.55 | 7.58 | 0.00 | 7.58 | 0.00 | 1.35 | 0.07 | 1.11 | 2.54 | 0.00 | 36.21 | 0.00 | 0. | 0.00 |
| 938 | 6.400 | 31.00 | 0.00 | 0.00 | 0.00 | 2.57 | 7.49 | 0.00 | 7.49 | 0.00 | 1.35 | 0.07 | 1.11 | 2.53 | 0.00 | 36.29 | 0.00 | 0. | 0.00 |
| 939 | 6.300 | 30.99 | 0.00 | 0.00 | 0.00 | 2.59 | 7.41 | 0.00 | 7.41 | 0.00 | 1.35 | 0.07 | 1.11 | 2.53 | 0.00 | 36.36 | 0.00 | 0. | 0.00 |
| 940 | 6.200 | 30.98 | 0.00 | 0.00 | 0.00 | 2.61 | 7.33 | 0.00 | 7.33 | 0.00 | 1.35 | 0.07 | 1.11 | 2.53 | 0.00 | 36.43 | 0.00 | 0. | 0.00 |
| 941 | 6.100 | 30.98 | 0.00 | 0.00 | 0.00 | 2.63 | 7.25 | 0.00 | 7.25 | 0.00 | 1.35 | 0.07 | 1.10 | 2.52 | 0.00 | 36.50 | 0.00 | 0. | 0.00 |
| 942 | 6.000 | 30.97 | 0.00 | 0.00 | 0.00 | 2.65 | 7.16 | 0.00 | 7.16 | 0.00 | 1.35 | 0.07 | 1.10 | 2.52 | 0.00 | 36.57 | 0.00 | 0. | 0.00 |
| 943 | 5.900 | 30.96 | 0.00 | 0.00 | 0.00 | 2.67 | 7.08 | 0.00 | 7.08 | 0.00 | 1.35 | 0.07 | 1.10 | 2.51 | 0.00 | 36.64 | 0.00 | 0. | 0.00 |
| 944 | 5.800 | 30.95 | 0.00 | 0.00 | 0.00 | 2.70 | 7.00 | 0.00 | 7.00 | 0.00 | 1.35 | 0.07 | 1.09 | 2.51 | 0.00 | 36.71 | 0.00 | 0. | 0.00 |
| 945 | 5.700 | 30.94 | 0.00 | 0.00 | 0.00 | 2.72 | 6.93 | 0.00 | 6.93 | 0.00 | 1.35 | 0.07 | 1.09 | 2.51 | 0.00 | 36.79 | 0.00 | 0. | 0.00 |
| 946 | 5.600 | 30.93 | 0.00 | 0.00 | 0.00 | 2.74 | 6.85 | 0.00 | 6.85 | 0.00 | 1.35 | 0.07 | 1.09 | 2.50 | 0.00 | 36.86 | 0.00 | 0. | 0.00 |
| 947 | 5.500 | 30.92 | 0.00 | 0.00 | 0.00 | 2.77 | 6.77 | 0.00 | 6.77 | 0.00 | 1.35 | 0.07 | 1.09 | 2.50 | 0.00 | 36.93 | 0.00 | 0. | 0.00 |
| 948 | 5.400 | 30.92 | 0.00 | 0.00 | 0.00 | 2.79 | 6.70 | 0.00 | 6.70 | 0.00 | 1.35 | 0.07 | 1.08 | 2.50 | 0.00 | 37.00 | 0.00 | 0. | 0.00 |
| 949 | 5.300 | 30.91 | 0.00 | 0.00 | 0.00 | 2.82 | 6.62 | 0.00 | 6.62 | 0.00 | 1.34 | 0.07 | 1.08 | 2.49 | 0.00 | 37.07 | 0.00 | 0. | 0.00 |
| 950 | 5.200 | 30.90 | 0.00 | 0.00 | 0.00 | 2.84 | 6.55 | 0.00 | 6.55 | 0.00 | 1.34 | 0.07 | 1.08 | 2.49 | 0.00 | 37.14 | 0.00 | 0. | 0.00 |
| 951 | 5.100 | 30.89 | 0.00 | 0.00 | 0.00 | 2.87 | 6.47 | 0.00 | 6.47 | 0.00 | 1.34 | 0.07 | 1.07 | 2.49 | 0.00 | 37.21 | 0.00 | 0. | 0.00 |
| 952 | 5.000 | 30.88 | 0.00 | 0.00 | 0.00 | 2.90 | 6.40 | 0.00 | 6.40 | 0.00 | 1.34 | 0.07 | 1.07 | 2.48 | 0.00 | 37.29 | 0.00 | 0. | 0.00 |
| 953 | 4.900 | 30.88 | 0.00 | 0.00 | 0.00 | 2.92 | 6.33 | 0.00 | 6.33 | 0.00 | 1.34 | 0.07 | 1.07 | 2.48 | 0.00 | 37.36 | 0.00 | 0. | 0.00 |
| 954 | 4.800 | 30.87 | 0.00 | 0.00 | 0.00 | 2.95 | 6.26 | 0.00 | 6.26 | 0.00 | 1.34 | 0.07 | 1.07 | 2.48 | 0.00 | 37.43 | 0.00 | 0. | 0.00 |
| 955 | 4.700 | 30.86 | 0.00 | 0.00 | 0.00 | 2.98 | 6.19 | 0.00 | 6.19 | 0.00 | 1.34 | 0.07 | 1.06 | 2.47 | 0.00 | 37.50 | 0.00 | 0. | 0.00 |
| 956 | 4.600 | 30.85 | 0.00 | 0.00 | 0.00 | 3.01 | 6.12 | 0.00 | 6.12 | 0.00 | 1.34 | 0.07 | 1.06 | 2.47 | 0.00 | 37.57 | 0.00 | 0. | 0.00 |
| 957 | 4.500 | 30.84 | 0.00 | 0.00 | 0.00 | 3.04 | 6.05 | 0.00 | 6.05 | 0.00 | 1.34 | 0.07 | 1.06 | 2.47 | 0.00 | 37.64 | 0.00 | 0. | 0.00 |
| 958 | 4.400 | 30.83 | 0.00 | 0.00 | 0.00 | 3.07 | 5.99 | 0.00 | 5.99 | 0.00 | 1.34 | 0.07 | 1.05 | 2.46 | 0.00 | 37.71 | 0.00 | 0. | 0.00 |
| 959 | 4.300 | 30.82 | 0.00 | 0.00 | 0.00 | 3.09 | 5.92 | 0.00 | 5.92 | 0.00 | 1.34 | 0.07 | 1.05 | 2.46 | 0.00 | 37.79 | 0.00 | 0. | 0.00 |
| 960 | 4.200 | 30.82 | 0.00 | 0.00 | 0.00 | 3.12 | 5.85 | 0.00 | 5.85 | 0.00 | 1.34 | 0.07 | 1.05 | 2.46 | 0.00 | 37.86 | 0.00 | 0. | 0.00 |
| 961 | 4.100 | 30.81 | 0.00 | 0.00 | 0.00 | 3.15 | 5.79 | 0.00 | 5.79 | 0.00 | 1.34 | 0.07 | 1.04 | 2.45 | 0.00 | 37.93 | 0.00 | 0. | 0.00 |
| 962 | 4.000 | 30.80 | 0.00 | 0.00 | 0.00 | 3.18 | 5.72 | 0.00 | 5.72 | 0.00 | 1.33 | 0.07 | 1.04 | 2.45 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Upper Grand River #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 15 Upper Grand River #2 Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | UPR RCH | 4.90829 | 30.80 | 0.00 | 0.00 | 0.00 | 3.18 | 5.72 | 0.00 | 5.72 | 0.00 | 1.33 | 0.07 | 1.04 | 0.00 | 38.00 | 0.00 | 0.00 |
| 1007 | TRIB | 1.97000 | 30.80 | 0.00 | 0.00 | 0.00 | 3.87 | 6.31 | 0.00 | 6.31 | 0.00 | 1.41 | 0.05 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW EFF | PCT VELO | ADVCTV TIME | TRAVEL | DEPTH | WIDTH | VOLUME AREA | SURFACE AREA | X-SECT PRISM | TIDAL VELO | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | km | km | m≥/s | m/s | days | m | m | m≥ | m≤ | m≤ | m≥ | m/s | m≤/s | m/s | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | 4.00 | 3.90 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1008 | 3.90 | 3.80 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1009 | 3.80 | 3.70 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1010 | 3.70 | 3.60 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1011 | 3.60 | 3.50 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1012 | 3.50 | 3.40 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1013 | 3.40 | 3.30 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1014 | 3.30 | 3.20 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1015 | 3.20 | 3.10 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1016 | 3.10 | 3.00 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1017 | 3.00 | 2.90 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1018 | 2.90 | 2.80 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1019 | 2.80 | 2.70 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1020 | 2.70 | 2.60 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1021 | 2.60 | 2.50 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1022 | 2.50 | 2.40 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1023 | 2.40 | 2.30 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1024 | 2.30 | 2.20 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1025 | 2.20 | 2.10 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1026 | 2.10 | 2.00 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1027 | 2.00 | 1.90 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1028 | 1.90 | 1.80 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1029 | 1.80 | 1.70 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1030 | 1.70 | 1.60 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1031 | 1.60 | 1.50 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1032 | 1.50 | 1.40 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1033 | 1.40 | 1.30 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1034 | 1.30 | 1.20 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1035 | 1.20 | 1.10 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1036 | 1.10 | 1.00 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1037 | 1.00 | 0.90 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1038 | 0.90 | 0.80 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1039 | 0.80 | 0.70 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1040 | 0.70 | 0.60 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1041 | 0.60 | 0.50 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1042 | 0.50 | 0.40 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1043 | 0.40 | 0.30 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1044 | 0.30 | 0.20 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1045 | 0.20 | 0.10 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |
| 1046 | 0.10 | 0.00 | 6.87829 | 14.1 | 0.08534 | 0.01 | 1.30 | 62.00 | 8060.00 | 6200.00 | 80.60 | 0.00 | 0.000 | 0.000 | 0.085 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | 0.54 | | | 322400.00 | 248000.00 | |
| AVG | | | 0.0853 | | 1.30 | 62.00 | | 80.60 | |
| CUM | | | | 2.62 | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | 3.900 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1008 | 3.800 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1009 | 3.700 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1010 | 3.600 | 7.46 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 3.14 | 3.14 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1011 | 3.500 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 3.14 | 3.14 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1012 | 3.400 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 3.14 | 3.14 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1013 | 3.300 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 3.13 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1014 | 3.200 | 7.47 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 3.13 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1015 | 3.100 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 3.13 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1016 | 3.000 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 3.12 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1017 | 2.900 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 3.12 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1018 | 2.800 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 3.12 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1019 | 2.700 | 7.48 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 3.11 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1020 | 2.600 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 3.11 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1021 | 2.500 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 3.11 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1022 | 2.400 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 3.10 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1023 | 2.300 | 7.49 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 3.10 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1024 | 2.200 | 7.50 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 3.10 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1025 | 2.100 | 7.50 | 0.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1026 | 2.000 | 7.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1027 | 1.900 | 7.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1028 | 1.800 | 7.50 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1029 | 1.700 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1030 | 1.600 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1031 | 1.500 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1032 | 1.400 | 7.51 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1033 | 1.300 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1034 | 1.200 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1035 | 1.100 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1036 | 1.000 | 7.52 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1037 | 0.900 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1038 | 0.800 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1039 | 0.700 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1040 | 0.600 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1041 | 0.500 | 7.53 | 0.94 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1042 | 0.400 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1043 | 0.300 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1044 | 0.200 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1045 | 0.100 | 7.54 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1046 | 0.000 | 7.55 | 0.93 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 3.02 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.77 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | | | 0.02 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | 3.900 | 30.78 | 0.00 | 0.00 | 0.00 | 3.40 | 5.85 | 0.00 | 5.85 | 0.00 | 1.36 | 0.07 | 0.72 | 2.14 | 0.00 | 37.05 | 0.00 | 0. | 0.00 |
| 1008 | 3.800 | 30.76 | 0.00 | 0.00 | 0.00 | 3.42 | 5.81 | 0.00 | 5.81 | 0.00 | 1.36 | 0.07 | 0.72 | 2.14 | 0.00 | 36.10 | 0.00 | 0. | 0.00 |
| 1009 | 3.700 | 30.75 | 0.00 | 0.00 | 0.00 | 3.44 | 5.77 | 0.00 | 5.77 | 0.00 | 1.36 | 0.07 | 0.71 | 2.14 | 0.00 | 35.15 | 0.00 | 0. | 0.00 |
| 1010 | 3.600 | 30.73 | 0.00 | 0.00 | 0.00 | 3.45 | 5.74 | 0.00 | 5.74 | 0.00 | 1.36 | 0.07 | 0.71 | 2.14 | 0.00 | 34.20 | 0.00 | 0. | 0.00 |
| 1011 | 3.500 | 30.71 | 0.00 | 0.00 | 0.00 | 3.47 | 5.70 | 0.00 | 5.70 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 33.25 | 0.00 | 0. | 0.00 |
| 1012 | 3.400 | 30.69 | 0.00 | 0.00 | 0.00 | 3.48 | 5.66 | 0.00 | 5.66 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 32.30 | 0.00 | 0. | 0.00 |
| 1013 | 3.300 | 30.68 | 0.00 | 0.00 | 0.00 | 3.50 | 5.62 | 0.00 | 5.62 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 31.35 | 0.00 | 0. | 0.00 |
| 1014 | 3.200 | 30.66 | 0.00 | 0.00 | 0.00 | 3.51 | 5.59 | 0.00 | 5.59 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 30.40 | 0.00 | 0. | 0.00 |
| 1015 | 3.100 | 30.64 | 0.00 | 0.00 | 0.00 | 3.52 | 5.55 | 0.00 | 5.55 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 29.45 | 0.00 | 0. | 0.00 |
| 1016 | 3.000 | 30.62 | 0.00 | 0.00 | 0.00 | 3.53 | 5.51 | 0.00 | 5.51 | 0.00 | 1.35 | 0.07 | 0.71 | 2.13 | 0.00 | 28.50 | 0.00 | 0. | 0.00 |
| 1017 | 2.900 | 30.61 | 0.00 | 0.00 | 0.00 | 3.54 | 5.48 | 0.00 | 5.48 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 27.55 | 0.00 | 0. | 0.00 |
| 1018 | 2.800 | 30.59 | 0.00 | 0.00 | 0.00 | 3.55 | 5.44 | 0.00 | 5.44 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 26.60 | 0.00 | 0. | 0.00 |
| 1019 | 2.700 | 30.57 | 0.00 | 0.00 | 0.00 | 3.56 | 5.41 | 0.00 | 5.41 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 25.65 | 0.00 | 0. | 0.00 |
| 1020 | 2.600 | 30.56 | 0.00 | 0.00 | 0.00 | 3.57 | 5.37 | 0.00 | 5.37 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 24.70 | 0.00 | 0. | 0.00 |
| 1021 | 2.500 | 30.54 | 0.00 | 0.00 | 0.00 | 3.58 | 5.33 | 0.00 | 5.33 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 23.75 | 0.00 | 0. | 0.00 |
| 1022 | 2.400 | 30.52 | 0.00 | 0.00 | 0.00 | 3.58 | 5.30 | 0.00 | 5.30 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 22.80 | 0.00 | 0. | 0.00 |
| 1023 | 2.300 | 30.50 | 0.00 | 0.00 | 0.00 | 3.59 | 5.26 | 0.00 | 5.26 | 0.00 | 1.35 | 0.07 | 0.70 | 2.12 | 0.00 | 21.85 | 0.00 | 0. | 0.00 |
| 1024 | 2.200 | 30.49 | 0.00 | 0.00 | 0.00 | 3.59 | 5.23 | 0.00 | 5.23 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 20.90 | 0.00 | 0. | 0.00 |
| 1025 | 2.100 | 30.47 | 0.00 | 0.00 | 0.00 | 3.60 | 5.20 | 0.00 | 5.20 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 19.95 | 0.00 | 0. | 0.00 |
| 1026 | 2.000 | 30.45 | 0.00 | 0.00 | 0.00 | 3.60 | 5.16 | 0.00 | 5.16 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 19.00 | 0.00 | 0. | 0.00 |
| 1027 | 1.900 | 30.43 | 0.00 | 0.00 | 0.00 | 3.60 | 5.13 | 0.00 | 5.13 | 0.00 | 1.35 | 0.07 | 0.70 | 2.11 | 0.00 | 18.05 | 0.00 | 0. | 0.00 |
| 1028 | 1.800 | 30.41 | 0.00 | 0.00 | 0.00 | 3.60 | 5.10 | 0.00 | 5.10 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 17.10 | 0.00 | 0. | 0.00 |
| 1029 | 1.700 | 30.40 | 0.00 | 0.00 | 0.00 | 3.60 | 5.06 | 0.00 | 5.06 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 16.15 | 0.00 | 0. | 0.00 |
| 1030 | 1.600 | 30.38 | 0.00 | 0.00 | 0.00 | 3.60 | 5.03 | 0.00 | 5.03 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 15.20 | 0.00 | 0. | 0.00 |
| 1031 | 1.500 | 30.36 | 0.00 | 0.00 | 0.00 | 3.60 | 5.00 | 0.00 | 5.00 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 14.25 | 0.00 | 0. | 0.00 |
| 1032 | 1.400 | 30.34 | 0.00 | 0.00 | 0.00 | 3.60 | 4.96 | 0.00 | 4.96 | 0.00 | 1.35 | 0.07 | 0.69 | 2.11 | 0.00 | 13.30 | 0.00 | 0. | 0.00 |
| 1033 | 1.300 | 30.33 | 0.00 | 0.00 | 0.00 | 3.60 | 4.93 | 0.00 | 4.93 | 0.00 | 1.34 | 0.07 | 0.69 | 2.11 | 0.00 | 12.35 | 0.00 | 0. | 0.00 |
| 1034 | 1.200 | 30.31 | 0.00 | 0.00 | 0.00 | 3.59 | 4.90 | 0.00 | 4.90 | 0.00 | 1.34 | 0.07 | 0.69 | 2.11 | 0.00 | 11.40 | 0.00 | 0. | 0.00 |
| 1035 | 1.100 | 30.29 | 0.00 | 0.00 | 0.00 | 3.59 | 4.87 | 0.00 | 4.87 | 0.00 | 1.34 | 0.07 | 0.69 | 2.11 | 0.00 | 10.45 | 0.00 | 0. | 0.00 |
| 1036 | 1.000 | 30.27 | 0.00 | 0.00 | 0.00 | 3.59 | 4.84 | 0.00 | 4.84 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 9.50 | 0.00 | 0. | 0.00 |
| 1037 | 0.900 | 30.26 | 0.00 | 0.00 | 0.00 | 3.58 | 4.80 | 0.00 | 4.80 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 8.55 | 0.00 | 0. | 0.00 |
| 1038 | 0.800 | 30.24 | 0.00 | 0.00 | 0.00 | 3.57 | 4.77 | 0.00 | 4.77 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 7.60 | 0.00 | 0. | 0.00 |
| 1039 | 0.700 | 30.22 | 0.00 | 0.00 | 0.00 | 3.57 | 4.74 | 0.00 | 4.74 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 6.65 | 0.00 | 0. | 0.00 |
| 1040 | 0.600 | 30.20 | 0.00 | 0.00 | 0.00 | 3.56 | 4.71 | 0.00 | 4.71 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 5.70 | 0.00 | 0. | 0.00 |
| 1041 | 0.500 | 30.19 | 0.00 | 0.00 | 0.00 | 3.55 | 4.68 | 0.00 | 4.68 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 4.75 | 0.00 | 0. | 0.00 |
| 1042 | 0.400 | 30.17 | 0.00 | 0.00 | 0.00 | 3.54 | 4.65 | 0.00 | 4.65 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 3.80 | 0.00 | 0. | 0.00 |
| 1043 | 0.300 | 30.15 | 0.00 | 0.00 | 0.00 | 3.53 | 4.62 | 0.00 | 4.62 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 2.85 | 0.00 | 0. | 0.00 |
| 1044 | 0.200 | 30.14 | 0.00 | 0.00 | 0.00 | 3.52 | 4.59 | 0.00 | 4.59 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 1.90 | 0.00 | 0. | 0.00 |
| 1045 | 0.100 | 30.12 | 0.00 | 0.00 | 0.00 | 3.51 | 4.56 | 0.00 | 4.56 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 0.95 | 0.00 | 0. | 0.00 |
| 1046 | 0.000 | 30.10 | 0.00 | 0.00 | 0.00 | 3.50 | 4.53 | 0.00 | 4.53 | 0.00 | 1.34 | 0.07 | 0.69 | 2.10 | 0.00 | 0.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Upper Grand River #1 Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 2.62 DAYS

MAXIMUM EFFLUENT = 19.73 PERCENT

FLOW = 3.94000 TO 6.87829 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s

VELOCITY = 0.04070 TO 0.08534 m/s
DEPTH = 1.10 TO 1.30 m
WIDTH = 62.00 TO 88.00 m

BOD DECAY = 0.44 TO 0.51 per day
NH3 DECAY = 0.20 TO 0.40 per day
SOD = 2.84 TO 3.30 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 0.85 TO 0.94 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.10 TO 31.49 deg C
DISSOLVED OXYGEN = 1.74 TO 3.60 mg/L
FINAL REPORT Lower Flat River LA-QUAL Model for Upper Terrebonne
REACH NO. 14 Lower Flat River Calibration Simulation for Upper Terrebonne model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | HDWTR | 1.97000 | 31.50 | 0.00 | 0.00 | 0.00 | 5.50 | 12.00 | 0.00 | 12.00 | 0.00 | 1.40 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m≥/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m≥ | SURFACE AREA m≤ | X-SECT AREA m≤ | TIDAL PRISM m≥ | TIDAL VELO m/s | DISPRSN m≤/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | 4.40 | 4.30 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 964 | 4.30 | 4.20 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 965 | 4.20 | 4.10 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 966 | 4.10 | 4.00 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 967 | 4.00 | 3.90 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 968 | 3.90 | 3.80 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 969 | 3.80 | 3.70 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 970 | 3.70 | 3.60 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 971 | 3.60 | 3.50 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 972 | 3.50 | 3.40 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 973 | 3.40 | 3.30 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 974 | 3.30 | 3.20 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 975 | 3.20 | 3.10 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 976 | 3.10 | 3.00 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 977 | 3.00 | 2.90 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 978 | 2.90 | 2.80 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 979 | 2.80 | 2.70 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 980 | 2.70 | 2.60 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 981 | 2.60 | 2.50 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 982 | 2.50 | 2.40 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 983 | 2.40 | 2.30 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 984 | 2.30 | 2.20 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 985 | 2.20 | 2.10 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 986 | 2.10 | 2.00 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 987 | 2.00 | 1.90 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 988 | 1.90 | 1.80 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 989 | 1.80 | 1.70 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 990 | 1.70 | 1.60 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 991 | 1.60 | 1.50 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 992 | 1.50 | 1.40 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 993 | 1.40 | 1.30 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 994 | 1.30 | 1.20 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 995 | 1.20 | 1.10 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 996 | 1.10 | 1.00 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 997 | 1.00 | 0.90 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 998 | 0.90 | 0.80 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 999 | 0.80 | 0.70 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1000 | 0.70 | 0.60 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1001 | 0.60 | 0.50 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1002 | 0.50 | 0.40 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1003 | 0.40 | 0.30 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1004 | 0.30 | 0.20 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1005 | 0.20 | 0.10 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |
| 1006 | 0.10 | 0.00 | 1.97000 | 0.0 | 0.03848 | 0.03 | 0.80 | 64.00 | 5120.00 | 6400.00 | 51.20 | 0.00 | 0.000 | 0.000 | 0.038 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TOT | | | 1.32 | | 225280.00 | 281600.00 | |
| AVG | | | 0.0385 | 0.80 | 64.00 | | 51.20 |
| CUM | | | 1.32 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY 1/da | NH3 SRCE 1/da | NH3 RATE * | DENIT SRCE 1/da | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | 4.300 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 964 | 4.200 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.02 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 965 | 4.100 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 966 | 4.000 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 967 | 3.900 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.02 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 968 | 3.800 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 2.52 | 2.52 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 969 | 3.700 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 970 | 3.600 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 971 | 3.500 | 7.49 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 972 | 3.400 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 973 | 3.300 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 974 | 3.200 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 975 | 3.100 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 976 | 3.000 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 977 | 2.900 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 | 2.53 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 978 | 2.800 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 979 | 2.700 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 980 | 2.600 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 981 | 2.500 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 982 | 2.400 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 983 | 2.300 | 7.48 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 984 | 2.200 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 985 | 2.100 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 986 | 2.000 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 2.54 | 2.54 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 987 | 1.900 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 988 | 1.800 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 989 | 1.700 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 990 | 1.600 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 991 | 1.500 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 992 | 1.400 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 993 | 1.300 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 994 | 1.200 | 7.47 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 995 | 1.100 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 2.55 | 2.55 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 996 | 1.000 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 997 | 0.900 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 998 | 0.800 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 2.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 999 | 0.700 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1000 | 0.600 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1001 | 0.500 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1002 | 0.400 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1003 | 0.300 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1004 | 0.200 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 2.56 | 2.56 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1005 | 0.100 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 2.57 | 2.57 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1006 | 0.000 | 7.46 | 1.31 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 2.57 | 2.57 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 1.08 0.30 0.00 0.00 0.00 0.00 0.00 1.30 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m≤/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m≥ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | 4.300 | 30.51 | 0.00 | 0.00 | 0.00 | 5.32 | 11.83 | 0.00 | 11.83 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 0.86 | 0.00 | 0. | 0.00 |
| 964 | 4.200 | 30.51 | 0.00 | 0.00 | 0.00 | 5.15 | 11.66 | 0.00 | 11.66 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 1.73 | 0.00 | 0. | 0.00 |
| 965 | 4.100 | 30.52 | 0.00 | 0.00 | 0.00 | 4.99 | 11.49 | 0.00 | 11.49 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 2.59 | 0.00 | 0. | 0.00 |
| 966 | 4.000 | 30.53 | 0.00 | 0.00 | 0.00 | 4.84 | 11.32 | 0.00 | 11.32 | 0.00 | 1.40 | 0.03 | 0.00 | 1.43 | 0.00 | 3.45 | 0.00 | 0. | 0.00 |
| 967 | 3.900 | 30.53 | 0.00 | 0.00 | 0.00 | 4.70 | 11.16 | 0.00 | 11.16 | 0.00 | 1.40 | 0.03 | 0.00 | 1.44 | 0.00 | 4.32 | 0.00 | 0. | 0.00 |
| 968 | 3.800 | 30.54 | 0.00 | 0.00 | 0.00 | 4.57 | 11.00 | 0.00 | 11.00 | 0.00 | 1.40 | 0.03 | 0.00 | 1.44 | 0.00 | 5.18 | 0.00 | 0. | 0.00 |
| 969 | 3.700 | 30.55 | 0.00 | 0.00 | 0.00 | 4.45 | 10.84 | 0.00 | 10.84 | 0.00 | 1.40 | 0.03 | 0.00 | 1.44 | 0.00 | 6.05 | 0.00 | 0. | 0.00 |
| 970 | 3.600 | 30.55 | 0.00 | 0.00 | 0.00 | 4.33 | 10.68 | 0.00 | 10.68 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 6.91 | 0.00 | 0. | 0.00 |
| 971 | 3.500 | 30.56 | 0.00 | 0.00 | 0.00 | 4.23 | 10.53 | 0.00 | 10.53 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 7.77 | 0.00 | 0. | 0.00 |
| 972 | 3.400 | 30.57 | 0.00 | 0.00 | 0.00 | 4.13 | 10.38 | 0.00 | 10.38 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 8.64 | 0.00 | 0. | 0.00 |
| 973 | 3.300 | 30.58 | 0.00 | 0.00 | 0.00 | 4.05 | 10.23 | 0.00 | 10.23 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 9.50 | 0.00 | 0. | 0.00 |
| 974 | 3.200 | 30.58 | 0.00 | 0.00 | 0.00 | 3.97 | 10.08 | 0.00 | 10.08 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 10.36 | 0.00 | 0. | 0.00 |
| 975 | 3.100 | 30.59 | 0.00 | 0.00 | 0.00 | 3.89 | 9.93 | 0.00 | 9.93 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 11.23 | 0.00 | 0. | 0.00 |
| 976 | 3.000 | 30.60 | 0.00 | 0.00 | 0.00 | 3.82 | 9.79 | 0.00 | 9.79 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 12.09 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 977 | 2.900 | 30.60 | 0.00 | 0.00 | 0.00 | 3.76 | 9.65 | 0.00 | 9.65 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 12.95 | 0.00 | 0. | 0.00 |
| 978 | 2.800 | 30.61 | 0.00 | 0.00 | 0.00 | 3.71 | 9.51 | 0.00 | 9.51 | 0.00 | 1.40 | 0.04 | 0.00 | 1.44 | 0.00 | 13.82 | 0.00 | 0. | 0.00 |
| 979 | 2.700 | 30.62 | 0.00 | 0.00 | 0.00 | 3.66 | 9.37 | 0.00 | 9.37 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 14.68 | 0.00 | 0. | 0.00 |
| 980 | 2.600 | 30.62 | 0.00 | 0.00 | 0.00 | 3.62 | 9.23 | 0.00 | 9.23 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 15.55 | 0.00 | 0. | 0.00 |
| 981 | 2.500 | 30.63 | 0.00 | 0.00 | 0.00 | 3.58 | 9.10 | 0.00 | 9.10 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 16.41 | 0.00 | 0. | 0.00 |
| 982 | 2.400 | 30.64 | 0.00 | 0.00 | 0.00 | 3.55 | 8.97 | 0.00 | 8.97 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 17.27 | 0.00 | 0. | 0.00 |
| 983 | 2.300 | 30.64 | 0.00 | 0.00 | 0.00 | 3.52 | 8.84 | 0.00 | 8.84 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 18.14 | 0.00 | 0. | 0.00 |
| 984 | 2.200 | 30.65 | 0.00 | 0.00 | 0.00 | 3.50 | 8.71 | 0.00 | 8.71 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 19.00 | 0.00 | 0. | 0.00 |
| 985 | 2.100 | 30.66 | 0.00 | 0.00 | 0.00 | 3.48 | 8.58 | 0.00 | 8.58 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 19.86 | 0.00 | 0. | 0.00 |
| 986 | 2.000 | 30.66 | 0.00 | 0.00 | 0.00 | 3.47 | 8.46 | 0.00 | 8.46 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 20.73 | 0.00 | 0. | 0.00 |
| 987 | 1.900 | 30.67 | 0.00 | 0.00 | 0.00 | 3.46 | 8.34 | 0.00 | 8.34 | 0.00 | 1.41 | 0.04 | 0.00 | 1.45 | 0.00 | 21.59 | 0.00 | 0. | 0.00 |
| 988 | 1.800 | 30.68 | 0.00 | 0.00 | 0.00 | 3.45 | 8.22 | 0.00 | 8.22 | 0.00 | 1.41 | 0.05 | 0.00 | 1.45 | 0.00 | 22.45 | 0.00 | 0. | 0.00 |
| 989 | 1.700 | 30.68 | 0.00 | 0.00 | 0.00 | 3.45 | 8.10 | 0.00 | 8.10 | 0.00 | 1.41 | 0.05 | 0.00 | 1.45 | 0.00 | 23.32 | 0.00 | 0. | 0.00 |
| 990 | 1.600 | 30.69 | 0.00 | 0.00 | 0.00 | 3.45 | 7.98 | 0.00 | 7.98 | 0.00 | 1.41 | 0.05 | 0.00 | 1.45 | 0.00 | 24.18 | 0.00 | 0. | 0.00 |
| 991 | 1.500 | 30.70 | 0.00 | 0.00 | 0.00 | 3.46 | 7.86 | 0.00 | 7.86 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 25.05 | 0.00 | 0. | 0.00 |
| 992 | 1.400 | 30.70 | 0.00 | 0.00 | 0.00 | 3.47 | 7.75 | 0.00 | 7.75 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 25.91 | 0.00 | 0. | 0.00 |
| 993 | 1.300 | 30.71 | 0.00 | 0.00 | 0.00 | 3.48 | 7.64 | 0.00 | 7.64 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 26.77 | 0.00 | 0. | 0.00 |
| 994 | 1.200 | 30.72 | 0.00 | 0.00 | 0.00 | 3.49 | 7.52 | 0.00 | 7.52 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 27.64 | 0.00 | 0. | 0.00 |
| 995 | 1.100 | 30.73 | 0.00 | 0.00 | 0.00 | 3.51 | 7.41 | 0.00 | 7.41 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 28.50 | 0.00 | 0. | 0.00 |
| 996 | 1.000 | 30.73 | 0.00 | 0.00 | 0.00 | 3.53 | 7.31 | 0.00 | 7.31 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 29.36 | 0.00 | 0. | 0.00 |
| 997 | 0.900 | 30.74 | 0.00 | 0.00 | 0.00 | 3.56 | 7.20 | 0.00 | 7.20 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 30.23 | 0.00 | 0. | 0.00 |
| 998 | 0.800 | 30.75 | 0.00 | 0.00 | 0.00 | 3.58 | 7.10 | 0.00 | 7.10 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 31.09 | 0.00 | 0. | 0.00 |
| 999 | 0.700 | 30.75 | 0.00 | 0.00 | 0.00 | 3.61 | 6.99 | 0.00 | 6.99 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 31.95 | 0.00 | 0. | 0.00 |
| 1000 | 0.600 | 30.76 | 0.00 | 0.00 | 0.00 | 3.64 | 6.89 | 0.00 | 6.89 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 32.82 | 0.00 | 0. | 0.00 |
| 1001 | 0.500 | 30.77 | 0.00 | 0.00 | 0.00 | 3.68 | 6.79 | 0.00 | 6.79 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 33.68 | 0.00 | 0. | 0.00 |
| 1002 | 0.400 | 30.77 | 0.00 | 0.00 | 0.00 | 3.71 | 6.69 | 0.00 | 6.69 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 34.55 | 0.00 | 0. | 0.00 |
| 1003 | 0.300 | 30.78 | 0.00 | 0.00 | 0.00 | 3.75 | 6.59 | 0.00 | 6.59 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 35.41 | 0.00 | 0. | 0.00 |
| 1004 | 0.200 | 30.79 | 0.00 | 0.00 | 0.00 | 3.79 | 6.50 | 0.00 | 6.50 | 0.00 | 1.41 | 0.05 | 0.00 | 1.46 | 0.00 | 36.27 | 0.00 | 0. | 0.00 |
| 1005 | 0.100 | 30.79 | 0.00 | 0.00 | 0.00 | 3.83 | 6.40 | 0.00 | 6.40 | 0.00 | 1.41 | 0.05 | 0.00 | 1.47 | 0.00 | 37.14 | 0.00 | 0. | 0.00 |
| 1006 | 0.000 | 30.80 | 0.00 | 0.00 | 0.00 | 3.87 | 6.31 | 0.00 | 6.31 | 0.00 | 1.41 | 0.05 | 0.00 | 1.47 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Lower Flat River Calibration Simulation for Upper Terrebonne model

TRAVEL TIME = 1.32 DAYS

MAXIMUM EFFLUENT = 0.00 PERCENT

FLOW = 1.97000 TO 1.97000 m≥/s
DISPERSION = 0.0000 TO 0.0000 m≤/s
VELOCITY = 0.03848 TO 0.03848 m/s
DEPTH = 0.80 TO 0.80 m
WIDTH = 64.00 TO 64.00 m

BOD DECAY = 0.49 TO 0.49 per day
NH3 DECAY = 0.39 TO 0.43 per day
SOD = 2.52 TO 2.57 g/m≤/d
NH3 SOURCE = 0.00 TO 0.00 g/m≤/d
REAERATION = 1.31 TO 1.31 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day

ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.51 TO 30.80 deg C
DISSOLVED OXYGEN = 3.45 TO 5.32 mg/L
LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Bayou Cholpe #1

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | DEPTH m | WIDTH m | FLOW AT EOR cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Bayou Cholpe #1 | 55.60 | 52.60 | 3.00 | 0.09 | 0.09485 | 0.37940 | 0.250 | 1.00 | 3.349 | 1.245 | 0.820 | 3.28 |
| 2 | Bayou Cholpe #2 | 52.60 | 43.10 | 9.50 | 3.65 | 0.67955 | 0.03011 | 1.000 | 10.00 | 23.995 | 0.099 | 3.281 | 32.81 |
| 5 | Choctaw Bayou #1 | 43.10 | 38.80 | 4.30 | 3.11 | 1.31672 | 0.01598 | 2.400 | 34.00 | 46.493 | 0.052 | 7.874 | 111.55 |
| 8 | Choctaw Bayou #2 | 38.80 | 31.50 | 7.30 | 7.39 | 1.57969 | 0.01143 | 2.800 | 47.00 | 55.779 | 0.038 | 9.187 | 154.21 |
| 10 | Intracoastal Waterway #2 | 31.50 | 15.90 | 15.60 | 4.38 | 10.50746 | 0.04120 | 3.000 | 76.00 | 371.018 | 0.135 | 9.843 | 249.36 |
| 12 | Intracoastal Waterway #3 | 15.90 | 10.90 | 5.00 | 1.31 | 11.34741 | 0.04433 | 3.200 | 80.00 | 400.677 | 0.145 | 10.499 | 262.48 |
| 16 | Intracoastal Waterway #4 | 10.90 | 0.00 | 10.90 | 1.21 | 18.22570 | 0.10415 | 2.500 | 70.00 | 643.549 | 0.342 | 8.202 | 229.67 |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Bayou Poydras #1

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | DEPTH m | WIDTH m | FLOW AT EOR cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Bayou Poydras #1 | 10.30 | 4.60 | 5.70 | 1.20 | 0.06648 | 0.05518 | 0.300 | 4.00 | 2.347 | 0.181 | 0.984 | 13.12 |
| 4 | Bayou Poydras #2 | 4.60 | 0.00 | 4.60 | 1.77 | 0.25756 | 0.03016 | 0.600 | 8.00 | 9.094 | 0.099 | 1.969 | 26.25 |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Chamberlin Canal #1

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | DEPTH m | WIDTH m | FLOW AT EOR cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Chamberlin Canal #1 | 7.50 | 4.20 | 3.30 | 6.89 | 0.00200 | 0.00554 | 0.100 | 2.00 | 0.071 | 0.018 | 0.328 | 6.56 |
| 7 | Chamberlin Canal #2 | 4.20 | 0.00 | 4.20 | 11.42 | 0.00915 | 0.00426 | 0.300 | 5.00 | 0.323 | 0.014 | 0.984 | 16.40 |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Intracoastal Waterwa

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | DEPTH m | WIDTH m | FLOW AT EOR cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Intracoastal Waterway #1 | 13.40 | 0.00 | 13.40 | 4.69 | 7.56386 | 0.03307 | 3.000 | 76.00 | 267.080 | 0.109 | 9.843 | 249.36 |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Bayou Plaquemine

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Bayou Plaquemine | 11.90 | 0.00 | 11.90 | 5.54 | 0.83995 | 0.02486 | 1.100 | 30.00 | 29.659 | 0.082 | 3.609 | 98.43 |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Upper Grand River #1

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Upper Grand River #1 | 12.40 | 4.00 | 8.40 | 2.07 | 4.90829 | 0.04687 | 1.100 | 88.00 | 173.312 | 0.154 | 3.609 | 288.73 |
| 15 | Upper Grand River #2 | 4.00 | 0.00 | 4.00 | 0.54 | 6.87829 | 0.08534 | 1.300 | 62.00 | 242.872 | 0.280 | 4.265 | 203.42 |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Lower Flat River

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Lower Flat River | 4.40 | 0.00 | 4.40 | 1.32 | 1.97000 | 0.03848 | 0.800 | 64.00 | 69.561 | 0.126 | 2.625 | 209.98 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD DECA | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34. | 0. | -35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -34.7 | 34.7 | 0.00 |
| 2 | 35. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -35.7 | 35.7 | 0.00 |
| 3 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -36.6 | 36.6 | 0.00 |
| 4 | 36. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -37.5 | 37.5 | 0.00 |
| 5 | 37. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -38.4 | 38.4 | 0.00 |
| 6 | 38. | 0. | -39. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -39.2 | 39.2 | 0.00 |
| 7 | 39. | 0. | -40. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -40.0 | 40.0 | 0.00 |
| 8 | 40. | 0. | -41. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -40.8 | 40.8 | 0.00 |
| 9 | 41. | 0. | -41. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -41.5 | 41.5 | 0.00 |
| 10 | 41. | 0. | -42. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -42.2 | 42.2 | 0.00 |
| 11 | 42. | 0. | -43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -42.9 | 42.9 | 0.00 |
| 12 | 43. | 0. | -43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -43.6 | 43.6 | 0.00 |
| 13 | 43. | 0. | -44. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -44.2 | 44.2 | 0.00 |
| 14 | 44. | 0. | -45. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -44.8 | 44.8 | 0.00 |
| 15 | 45. | 0. | -45. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -45.4 | 45.4 | 0.00 |
| 16 | 45. | 0. | -46. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -45.9 | 45.9 | 0.00 |
| 17 | 46. | 0. | -46. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -46.4 | 46.4 | 0.00 |
| 18 | 46. | 0. | -47. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -46.9 | 46.9 | 0.00 |
| 19 | 47. | 0. | -47. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -47.4 | 47.4 | 0.00 |
| 20 | 47. | 0. | -48. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -47.9 | 47.9 | 0.00 |
| 21 | 48. | 0. | -48. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -48.3 | 48.3 | 0.00 |
| 22 | 48. | 0. | -49. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -48.7 | 48.7 | 0.00 |
| 23 | 49. | 0. | -49. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -49.1 | 49.1 | 0.00 |
| 24 | 49. | 0. | -49. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -49.5 | 49.5 | 0.00 |
| 25 | 49. | 0. | -50. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -49.9 | 49.9 | 0.00 |
| 26 | 50. | 0. | -50. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -50.2 | 50.2 | 0.00 |
| 27 | 50. | 0. | -50. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -50.6 | 50.6 | 0.00 |
| 28 | 50. | 0. | -51. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -50.9 | 50.9 | 0.00 |
| 29 | 51. | 0. | -51. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -51.2 | 51.2 | 0.00 |
| 30 | 51. | 0. | -51. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -51.4 | 51.4 | 0.00 |
| 31 | 51. | 0. | -53. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -54.8 | 54.8 | 0.00 |
| 32 | 53. | 0. | -54. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -56.3 | 56.3 | 0.00 |
| 33 | 54. | 0. | -56. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -57.9 | 57.9 | 0.00 |
| 34 | 56. | 0. | -57. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -59.5 | 59.5 | 0.00 |
| 35 | 57. | 0. | -59. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -61.2 | 61.2 | 0.00 |
| 36 | 59. | 0. | -61. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -63.0 | 63.0 | 0.00 |
| 37 | 61. | 0. | -62. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -64.8 | 64.8 | 0.00 |
| 38 | 62. | 0. | -64. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -66.7 | 66.7 | 0.00 |
| 39 | 64. | 0. | -66. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -68.6 | 68.6 | 0.00 |
| 40 | 66. | 0. | -68. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -70.6 | 70.6 | 0.00 |
| 41 | 68. | 0. | -70. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -72.5 | 72.5 | 0.00 |
| 42 | 70. | 0. | -72. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -74.5 | 74.5 | 0.00 |
| 43 | 72. | 0. | -74. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -76.6 | 76.6 | 0.00 |
| 44 | 74. | 0. | -76. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -78.6 | 78.6 | 0.00 |
| 45 | 76. | 0. | -78. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -80.7 | 80.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 78. | 0. | -80. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -82.8 | 82.8 | 0.00 |
| 47 | 80. | 0. | -82. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -84.9 | 84.9 | 0.00 |
| 48 | 82. | 0. | -84. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -87.0 | 87.0 | 0.00 |
| 49 | 84. | 0. | -87. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -89.1 | 89.1 | 0.00 |
| 50 | 87. | 0. | -89. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -91.2 | 91.2 | 0.00 |
| 51 | 89. | 0. | -91. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -93.4 | 93.4 | 0.00 |
| 52 | 91. | 0. | -93. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -95.5 | 95.5 | 0.00 |
| 53 | 93. | 0. | -95. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -97.7 | 97.7 | 0.00 |
| 54 | 95. | 0. | -97. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -99.8 | 99.8 | 0.00 |
| 55 | 97. | 0. | -99. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -102.0 | 102.0 | 0.00 |
| 56 | 99. | 0. | -102. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -104.2 | 104.2 | 0.00 |
| 57 | 102. | 0. | -104. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -106.4 | 106.4 | 0.00 |
| 58 | 104. | 0. | -106. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -108.6 | 108.6 | 0.00 |
| 59 | 106. | 0. | -108. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -110.8 | 110.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 108. | 0. | -110. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -113.0 | 113.0 | 0.00 |
| 61 | 110. | 0. | -113. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -115.2 | 115.2 | 0.00 |
| 62 | 113. | 0. | -115. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -117.4 | 117.4 | 0.00 |
| 63 | 115. | 0. | -117. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -119.6 | 119.6 | 0.00 |
| 64 | 117. | 0. | -119. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -121.9 | 121.9 | 0.00 |
| 65 | 119. | 0. | -122. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -124.1 | 124.1 | 0.00 |
| 66 | 122. | 0. | -124. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -126.3 | 126.3 | 0.00 |
| 67 | 124. | 0. | -126. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -128.6 | 128.6 | 0.00 |
| 68 | 126. | 0. | -128. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -130.9 | 130.9 | 0.00 |
| 69 | 128. | 0. | -131. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -133.2 | 133.2 | 0.00 |
| 70 | 131. | 0. | -133. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -135.5 | 135.5 | 0.00 |
| 71 | 133. | 0. | -135. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -137.9 | 137.9 | 0.00 |
| 72 | 135. | 0. | -138. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -140.2 | 140.2 | 0.00 |
| 73 | 138. | 0. | -140. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -142.6 | 142.6 | 0.00 |
| 74 | 140. | 0. | -142. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -145.1 | 145.1 | 0.00 |
| 75 | 142. | 0. | -145. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -147.5 | 147.5 | 0.00 |
| 76 | 145. | 0. | -147. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -150.0 | 150.0 | 0.00 |
| 77 | 147. | 0. | -150. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -152.5 | 152.5 | 0.00 |
| 78 | 150. | 0. | -152. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -155.0 | 155.0 | 0.00 |
| 79 | 152. | 0. | -155. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -157.5 | 157.5 | 0.00 |
| 80 | 155. | 0. | -157. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -160.0 | 160.0 | 0.00 |
| 81 | 157. | 0. | -160. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -162.6 | 162.6 | 0.00 |
| 82 | 160. | 0. | -163. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -165.1 | 165.1 | 0.00 |
| 83 | 163. | 0. | -165. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -167.7 | 167.7 | 0.00 |
| 84 | 165. | 0. | -168. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -170.3 | 170.3 | 0.00 |
| 85 | 168. | 0. | -170. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -173.0 | 173.0 | 0.00 |
| 86 | 170. | 0. | -173. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -175.6 | 175.6 | 0.00 |
| 87 | 173. | 0. | -176. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -178.3 | 178.3 | 0.00 |
| 88 | 176. | 0. | -178. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -180.9 | 180.9 | 0.00 |
| 89 | 178. | 0. | -181. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -183.6 | 183.6 | 0.00 |
| 90 | 181. | 0. | -184. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -186.3 | 186.3 | 0.00 |
| 91 | 184. | 0. | -186. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -189.0 | 189.0 | 0.00 |
| 92 | 186. | 0. | -189. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -191.7 | 191.7 | 0.00 |
| 93 | 189. | 0. | -192. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -194.4 | 194.4 | 0.00 |
| 94 | 192. | 0. | -195. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -197.2 | 197.2 | 0.00 |
| 95 | 195. | 0. | -197. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -199.9 | 199.9 | 0.00 |
| 96 | 197. | 0. | -200. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -202.7 | 202.7 | 0.00 |
| 97 | 200. | 0. | -203. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -205.5 | 205.5 | 0.00 |
| 98 | 203. | 0. | -206. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -208.3 | 208.3 | 0.00 |
| 99 | 206. | 0. | -208. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -211.1 | 211.1 | 0.00 |
| 100 | 208. | 0. | -211. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -213.9 | 213.9 | 0.00 |
| 101 | 211. | 0. | -214. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -216.7 | 216.7 | 0.00 |
| 102 | 214. | 0. | -217. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -219.5 | 219.5 | 0.00 |
| 103 | 217. | 0. | -220. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -222.4 | 222.4 | 0.00 |
| 104 | 220. | 0. | -223. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -225.2 | 225.2 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 223. | 0. | -225. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -228.1 | 228.1 | 0.00 |
| 106 | 225. | 0. | -228. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -231.0 | 231.0 | 0.00 |
| 107 | 228. | 0. | -231. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -233.8 | 233.8 | 0.00 |
| 108 | 231. | 0. | -234. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -236.7 | 236.7 | 0.00 |
| 109 | 234. | 0. | -237. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -239.6 | 239.6 | 0.00 |
| 110 | 237. | 0. | -240. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -242.5 | 242.5 | 0.00 |
| 111 | 240. | 0. | -243. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.4 | 245.4 | 0.00 |
| 112 | 243. | 0. | -246. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -248.3 | 248.3 | 0.00 |
| 113 | 246. | 0. | -249. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -251.3 | 251.3 | 0.00 |
| 114 | 249. | 0. | -252. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -254.2 | 254.2 | 0.00 |
| 115 | 252. | 0. | -255. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -257.1 | 257.1 | 0.00 |
| 116 | 255. | 0. | -257. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -260.1 | 260.1 | 0.00 |
| 117 | 257. | 0. | -260. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -263.1 | 263.1 | 0.00 |
| 118 | 260. | 0. | -263. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -266.0 | 266.0 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 263. | 0. | -266. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -269.0 | 269.0 | 0.00 |
| 120 | 266. | 0. | -269. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -272.0 | 272.0 | 0.00 |
| 121 | 269. | 0. | -272. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -275.0 | 275.0 | 0.00 |
| 122 | 272. | 0. | -275. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -277.9 | 277.9 | 0.00 |
| 123 | 275. | 0. | -278. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -280.9 | 280.9 | 0.00 |
| 124 | 278. | 0. | -281. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -283.9 | 283.9 | 0.00 |
| 125 | 281. | 0. | -284. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -287.0 | 287.0 | 0.00 |
| 229 | 284. | 94. | -352. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -18. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 1. | 0. | 0. | -388.5 | 388.5 | 0.00 |
| 230 | 352. | 0. | -446. | 0. | 0. | 0. | 0. | 0. | 0. | 118. | 0. | 11. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 2. | 0. | 0. | -482.2 | 482.2 | 0.00 |
| 231 | 446. | 0. | -425. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 3. | 0. | 0. | -460.4 | 460.4 | 0.00 |
| 232 | 425. | 0. | -404. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 4. | 0. | 0. | -440.0 | 440.0 | 0.00 |
| 233 | 404. | 0. | -385. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 5. | 0. | 0. | -420.9 | 420.9 | 0.00 |
| 234 | 385. | 0. | -367. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 6. | 0. | 0. | -403.0 | 403.0 | 0.00 |
| 235 | 367. | 0. | -350. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 7. | 0. | 0. | -386.4 | 386.4 | 0.00 |
| 236 | 350. | 0. | -335. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -17. | -1. | 0. | 0. | -18. | 0. | 0. | 0. | 8. | 0. | 0. | -371.0 | 371.0 | 0.00 |
| 237 | 335. | 0. | -320. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -17. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 9. | 0. | 0. | -356.9 | 356.9 | 0.00 |
| 238 | 320. | 0. | -307. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -17. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 10. | 0. | 0. | -343.9 | 343.9 | 0.00 |
| 239 | 307. | 0. | -295. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -17. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 11. | 0. | 0. | -332.1 | 332.1 | 0.00 |
| 240 | 295. | 0. | -284. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -17. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 12. | 0. | 0. | -321.4 | 321.4 | 0.00 |
| 241 | 284. | 0. | -275. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -17. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 13. | 0. | 0. | -311.9 | 311.9 | 0.00 |
| 242 | 275. | 0. | -266. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 14. | 0. | 0. | -303.4 | 303.4 | 0.00 |
| 243 | 266. | 0. | -259. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 15. | 0. | 0. | -296.0 | 296.0 | 0.00 |
| 244 | 259. | 0. | -252. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 16. | 0. | 0. | -289.7 | 289.7 | 0.00 |
| 245 | 252. | 0. | -247. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 17. | 0. | 0. | -284.4 | 284.4 | 0.00 |
| 246 | 247. | 0. | -242. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 18. | 0. | 0. | -280.1 | 280.1 | 0.00 |
| 247 | 242. | 0. | -239. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 19. | 0. | 0. | -276.7 | 276.7 | 0.00 |
| 248 | 239. | 0. | -236. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 20. | 0. | 0. | -274.4 | 274.4 | 0.00 |
| 249 | 236. | 0. | -235. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 21. | 0. | 0. | -273.0 | 273.0 | 0.00 |
| 250 | 235. | 0. | -234. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 22. | 0. | 0. | -272.5 | 272.5 | 0.00 |
| 251 | 234. | 0. | -234. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 23. | 0. | 0. | -272.9 | 272.9 | 0.00 |
| 252 | 234. | 0. | -236. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 24. | 0. | 0. | -274.3 | 274.3 | 0.00 |
| 253 | 236. | 0. | -238. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 25. | 0. | 0. | -276.4 | 276.4 | 0.00 |
| 254 | 238. | 0. | -241. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -18. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 26. | 0. | 0. | -279.5 | 279.5 | 0.00 |
| 255 | 241. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 27. | 0. | 0. | -283.4 | 283.4 | 0.00 |
| 256 | 244. | 0. | -249. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 28. | 0. | 0. | -288.1 | 288.1 | 0.00 |
| 257 | 249. | 0. | -254. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 29. | 0. | 0. | -293.6 | 293.6 | 0.00 |
| 258 | 254. | 0. | -260. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -18. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 31. | 0. | 0. | -299.9 | 299.9 | 0.00 |
| 259 | 260. | 0. | -267. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 32. | 0. | 0. | -307.0 | 307.0 | 0.00 |
| 260 | 267. | 0. | -275. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 33. | 0. | 0. | -314.8 | 314.8 | 0.00 |
| 261 | 275. | 0. | -284. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 34. | 0. | 0. | -323.4 | 323.4 | 0.00 |
| 262 | 284. | 0. | -293. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 35. | 0. | 0. | -332.7 | 332.7 | 0.00 |
| 263 | 293. | 0. | -303. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 36. | 0. | 0. | -342.8 | 342.8 | 0.00 |
| 264 | 303. | 0. | -313. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 37. | 0. | 0. | -353.5 | 353.5 | 0.00 |
| 265 | 313. | 0. | -325. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 38. | 0. | 0. | -364.9 | 364.9 | 0.00 |
| 266 | 325. | 0. | -336. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -19. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 39. | 0. | 0. | -377.0 | 377.0 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 267 | 336. | 0. | -349. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -19. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 41. | 0. | 0. | -389.8 | 389.8 | 0.00 |
| 268 | 349. | 0. | -362. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -19. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 42. | 0. | 0. | -403.3 | 403.3 | 0.00 |
| 269 | 362. | 0. | -376. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -19. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 43. | 0. | 0. | -417.3 | 417.3 | 0.00 |
| 270 | 376. | 0. | -391. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -19. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 44. | 0. | 0. | -432.0 | 432.0 | 0.00 |
| 271 | 391. | 0. | -406. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -19. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 45. | 0. | 0. | -447.5 | 447.5 | 0.00 |
| 347 | 406. | 4. | -454. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -31. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 72. | 0. | 0. | -496.5 | 496.5 | 0.00 |
| 348 | 454. | 0. | -495. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 71. | 0. | 0. | -537.4 | 537.4 | 0.00 |
| 349 | 495. | 0. | -534. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 70. | 0. | 0. | -576.0 | 576.0 | 0.00 |
| 350 | 534. | 0. | -570. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 69. | 0. | 0. | -612.5 | 612.5 | 0.00 |
| 351 | 570. | 0. | -605. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 68. | 0. | 0. | -646.8 | 646.8 | 0.00 |
| 352 | 605. | 0. | -637. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 67. | 0. | 0. | -679.0 | 679.0 | 0.00 |
| 353 | 637. | 0. | -668. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 66. | 0. | 0. | -709.3 | 709.3 | 0.00 |
| 354 | 668. | 0. | -696. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 65. | 0. | 0. | -737.7 | 737.7 | 0.00 |
| 355 | 696. | 0. | -723. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -30. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 64. | 0. | 0. | -764.3 | 764.3 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 356 | 723. | 0. | -748. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -29. | -2. | 0. | 0. | -10. | 0. | 0. | 0. | 63. | 0. | 0. | -789.0 | 789.0 | 0.00 |
| 357 | 748. | 0. | -771. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 62. | 0. | 0. | -812.1 | 812.1 | 0.00 |
| 358 | 771. | 0. | -792. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 61. | 0. | 0. | -833.5 | 833.5 | 0.00 |
| 359 | 792. | 0. | -812. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 60. | 0. | 0. | -853.3 | 853.3 | 0.00 |
| 360 | 812. | 0. | -831. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 59. | 0. | 0. | -871.6 | 871.6 | 0.00 |
| 361 | 831. | 0. | -848. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 57. | 0. | 0. | -888.4 | 888.4 | 0.00 |
| 362 | 848. | 0. | -863. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 56. | 0. | 0. | -904.2 | 904.2 | 0.00 |
| 363 | 863. | 0. | -877. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 55. | 0. | 0. | -918.6 | 918.6 | 0.00 |
| 364 | 877. | 0. | -890. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | -29. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 54. | 0. | 0. | -931.7 | 931.7 | 0.00 |
| 365 | 890. | 0. | -901. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -2. | -28. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 53. | 0. | 0. | -943.4 | 943.4 | 0.00 |
| 366 | 901. | 0. | -975. | 0. | 0. | 0. | 0. | 0. | 0. | 63. | 0. | 1. | -26. | -8. | 0. | 0. | -9. | 0. | 0. | 0. | 52. | 0. | 0. | -1017.6 | 1017.6 | 0.00 |
| 367 | 975. | 0. | -988. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 1. | -26. | -8. | 0. | 0. | -9. | 0. | 0. | 0. | 51. | 0. | 0. | -1031.8 | 1031.8 | 0.00 |
| 368 | 988. | 0. | -996. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -26. | -8. | 0. | 0. | -9. | 0. | 0. | 0. | 50. | 0. | 0. | -1039.3 | 1039.3 | 0.00 |
| 369 | 996. | 0. | -1003. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -7. | 0. | 0. | -9. | 0. | 0. | 0. | 49. | 0. | 0. | -1045.8 | 1045.8 | 0.00 |
| 370 | 1003. | 0. | -1009. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -7. | 0. | 0. | -9. | 0. | 0. | 0. | 48. | 0. | 0. | -1051.4 | 1051.4 | 0.00 |
| 371 | 1009. | 0. | -1014. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -7. | 0. | 0. | -9. | 0. | 0. | 0. | 47. | 0. | 0. | -1056.2 | 1056.2 | 0.00 |
| 372 | 1014. | 0. | -1018. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -7. | 0. | 0. | -9. | 0. | 0. | 0. | 46. | 0. | 0. | -1060.2 | 1060.2 | 0.00 |
| 373 | 1018. | 0. | -1021. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -6. | 0. | 0. | -9. | 0. | 0. | 0. | 45. | 0. | 0. | -1063.3 | 1063.3 | 0.00 |
| 374 | 1021. | 0. | -1024. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -6. | 0. | 0. | -9. | 0. | 0. | 0. | 44. | 0. | 0. | -1065.6 | 1065.6 | 0.00 |
| 375 | 1024. | 0. | -1026. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -6. | 0. | 0. | -9. | 0. | 0. | 0. | 43. | 0. | 0. | -1067.1 | 1067.1 | 0.00 |
| 376 | 1026. | 0. | -1026. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -6. | 0. | 0. | -9. | 0. | 0. | 0. | 42. | 0. | 0. | -1067.8 | 1067.8 | 0.00 |
| 377 | 1026. | 0. | -1026. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -6. | 0. | 0. | -9. | 0. | 0. | 0. | 41. | 0. | 0. | -1067.7 | 1067.7 | 0.00 |
| 378 | 1026. | 0. | -1026. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -6. | 0. | 0. | -9. | 0. | 0. | 0. | 40. | 0. | 0. | -1066.7 | 1066.7 | 0.00 |
| 379 | 1026. | 0. | -1024. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 39. | 0. | 0. | -1065.1 | 1065.1 | 0.00 |
| 380 | 1024. | 0. | -1022. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 38. | 0. | 0. | -1062.6 | 1062.6 | 0.00 |
| 381 | 1022. | 0. | -1019. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 37. | 0. | 0. | -1059.5 | 1059.5 | 0.00 |
| 382 | 1019. | 0. | -1016. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 36. | 0. | 0. | -1055.6 | 1055.6 | 0.00 |
| 383 | 1016. | 0. | -1011. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 35. | 0. | 0. | -1051.2 | 1051.2 | 0.00 |
| 384 | 1011. | 0. | -1007. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 34. | 0. | 0. | -1046.0 | 1046.0 | 0.00 |
| 385 | 1007. | 0. | -1001. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -26. | -5. | 0. | 0. | -9. | 0. | 0. | 0. | 33. | 0. | 0. | -1040.3 | 1040.3 | 0.00 |
| 386 | 1001. | 0. | -995. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -26. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 32. | 0. | 0. | -1033.9 | 1033.9 | 0.00 |
| 387 | 995. | 0. | -988. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 31. | 0. | 0. | -1026.8 | 1026.8 | 0.00 |
| 388 | 988. | 0. | -980. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 30. | 0. | 0. | -1019.2 | 1019.2 | 0.00 |
| 389 | 980. | 0. | -972. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 29. | 0. | 0. | -1010.9 | 1010.9 | 0.00 |
| 390 | 972. | 0. | -963. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 28. | 0. | 0. | -1002.0 | 1002.0 | 0.00 |
| 391 | 963. | 0. | -954. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 27. | 0. | 0. | -992.6 | 992.6 | 0.00 |
| 392 | 954. | 0. | -944. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 26. | 0. | 0. | -982.7 | 982.7 | 0.00 |
| 393 | 944. | 0. | -934. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 25. | 0. | 0. | -972.1 | 972.1 | 0.00 |
| 394 | 934. | 0. | -923. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -25. | -4. | 0. | 0. | -9. | 0. | 0. | 0. | 24. | 0. | 0. | -961.1 | 961.1 | 0.00 |
| 395 | 923. | 0. | -912. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 23. | 0. | 0. | -949.5 | 949.5 | 0.00 |
| 396 | 912. | 0. | -900. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 22. | 0. | 0. | -937.4 | 937.4 | 0.00 |
| 397 | 900. | 0. | -887. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 21. | 0. | 0. | -924.8 | 924.8 | 0.00 |
| 398 | 887. | 0. | -874. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 20. | 0. | 0. | -911.7 | 911.7 | 0.00 |
| 399 | 874. | 0. | -861. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 19. | 0. | 0. | -898.1 | 898.1 | 0.00 |
| 400 | 861. | 0. | -847. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 18. | 0. | 0. | -884.1 | 884.1 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 847. | 0. | -832. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 17. | 0. | 0. | -869.7 | 869.7 | 0.00 |
| 402 | 832. | 0. | -817. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 16. | 0. | 0. | -854.7 | 854.7 | 0.00 |
| 403 | 817. | 0. | -802. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 15. | 0. | 0. | -839.4 | 839.4 | 0.00 |
| 404 | 802. | 0. | -787. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 15. | 0. | 0. | -823.6 | 823.6 | 0.00 |
| 405 | 787. | 0. | -770. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 14. | 0. | 0. | -807.4 | 807.4 | 0.00 |
| 406 | 770. | 0. | -754. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 13. | 0. | 0. | -790.8 | 790.8 | 0.00 |
| 407 | 754. | 0. | -737. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 12. | 0. | 0. | -773.9 | 773.9 | 0.00 |
| 408 | 737. | 0. | -720. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 11. | 0. | 0. | -756.5 | 756.5 | 0.00 |
| 409 | 720. | 0. | -702. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 10. | 0. | 0. | -738.8 | 738.8 | 0.00 |
| 410 | 702. | 0. | -684. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -25. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 9. | 0. | 0. | -720.7 | 720.7 | 0.00 |
| 411 | 684. | 0. | -666. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 8. | 0. | 0. | -702.3 | 702.3 | 0.00 |
| 412 | 666. | 0. | -647. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 7. | 0. | 0. | -683.5 | 683.5 | 0.00 |
| 413 | 647. | 0. | -628. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 6. | 0. | 0. | -664.4 | 664.4 | 0.00 |
| 414 | 628. | 0. | -609. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 5. | 0. | 0. | -645.0 | 645.0 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | UPTR ADV | LOWR DISP | UPMN DISP | UPTR DISP | LOWR IN | INCR OUT | INCR IN | NONP IN | WSLD OUT | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 415 | 609. | 0. | -589. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 4. | 0. | 0. | -625.2 | 625.2 | 0.00 |
| 416 | 589. | 0. | -569. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 3. | 0. | 0. | -605.2 | 605.2 | 0.00 |
| 417 | 569. | 0. | -549. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 2. | 0. | 0. | -584.8 | 584.8 | 0.00 |
| 418 | 549. | 0. | -528. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 1. | 0. | 0. | -564.2 | 564.2 | 0.00 |
| 419 | 528. | 0. | -507. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -25. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -543.2 | 543.2 | 0.00 |
| 554 | 507. | 3525. | -4010. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -16. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -4047.5 | 4047.5 | 0.00 |
| 555 | 4010. | 0. | -3988. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -16. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -4025.6 | 4025.6 | 0.00 |
| 556 | 3988. | 0. | -3966. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -16. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -4003.8 | 4003.8 | 0.00 |
| 557 | 3966. | 0. | -3945. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -16. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3982.3 | 3982.3 | 0.00 |
| 558 | 3945. | 0. | -3923. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3961.1 | 3961.1 | 0.00 |
| 559 | 3923. | 0. | -3903. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3940.1 | 3940.1 | 0.00 |
| 560 | 3903. | 0. | -3882. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3919.3 | 3919.3 | 0.00 |
| 561 | 3882. | 0. | -3861. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3898.7 | 3898.7 | 0.00 |
| 562 | 3861. | 0. | -3841. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3878.4 | 3878.4 | 0.00 |
| 563 | 3841. | 0. | -3821. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3858.3 | 3858.3 | 0.00 |
| 564 | 3821. | 0. | -3801. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3838.4 | 3838.4 | 0.00 |
| 565 | 3801. | 0. | -3782. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3818.7 | 3818.7 | 0.00 |
| 566 | 3782. | 0. | -3762. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3799.3 | 3799.3 | 0.00 |
| 567 | 3762. | 0. | -3743. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3780.1 | 3780.1 | 0.00 |
| 568 | 3743. | 0. | -3724. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3761.1 | 3761.1 | 0.00 |
| 569 | 3724. | 0. | -3705. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3742.3 | 3742.3 | 0.00 |
| 570 | 3705. | 0. | -3687. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3723.7 | 3723.7 | 0.00 |
| 571 | 3687. | 0. | -3668. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3705.3 | 3705.3 | 0.00 |
| 572 | 3668. | 0. | -3650. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3687.1 | 3687.1 | 0.00 |
| 573 | 3650. | 0. | -3632. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3669.1 | 3669.1 | 0.00 |
| 574 | 3632. | 0. | -3615. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3651.4 | 3651.4 | 0.00 |
| 575 | 3615. | 0. | -3597. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3633.8 | 3633.8 | 0.00 |
| 576 | 3597. | 0. | -3580. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3616.4 | 3616.4 | 0.00 |
| 577 | 3580. | 0. | -3563. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3599.2 | 3599.2 | 0.00 |
| 578 | 3563. | 0. | -3546. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3582.3 | 3582.3 | 0.00 |
| 579 | 3546. | 0. | -3529. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3565.5 | 3565.5 | 0.00 |
| 580 | 3529. | 0. | -3512. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3548.8 | 3548.9 | 0.00 |
| 581 | 3512. | 0. | -3496. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3532.4 | 3532.4 | 0.00 |
| 582 | 3496. | 0. | -3480. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -15. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3516.2 | 3516.2 | 0.00 |
| 583 | 3480. | 0. | -3464. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3500.1 | 3500.1 | 0.00 |
| 584 | 3464. | 0. | -3448. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3484.3 | 3484.3 | 0.00 |
| 585 | 3448. | 0. | -3432. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3468.6 | 3468.6 | 0.00 |
| 586 | 3432. | 0. | -3417. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3453.1 | 3453.1 | 0.00 |
| 587 | 3417. | 0. | -3402. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3437.7 | 3437.7 | 0.00 |
| 588 | 3402. | 0. | -3387. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3422.5 | 3422.5 | 0.00 |
| 589 | 3387. | 0. | -3372. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3407.6 | 3407.6 | 0.00 |
| 590 | 3372. | 0. | -3357. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3392.7 | 3392.7 | 0.00 |
| 591 | 3357. | 0. | -3342. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3378.1 | 3378.1 | 0.00 |
| 592 | 3342. | 0. | -3328. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3363.6 | 3363.6 | 0.00 |
| 593 | 3328. | 0. | -3314. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3349.3 | 3349.3 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 594 | 3314. | 0. | -3299. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3335.1 | 3335.1 | 0.00 |
| 595 | 3299. | 0. | -3285. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3321.1 | 3321.1 | 0.00 |
| 596 | 3285. | 0. | -3272. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3307.3 | 3307.3 | 0.00 |
| 597 | 3272. | 0. | -3258. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3293.6 | 3293.6 | 0.00 |
| 598 | 3258. | 0. | -3245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3280.0 | 3280.0 | 0.00 |
| 599 | 3245. | 0. | -3231. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3266.7 | 3266.7 | 0.00 |
| 600 | 3231. | 0. | -3218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3253.5 | 3253.5 | 0.00 |
| 601 | 3218. | 0. | -3205. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3240.4 | 3240.4 | 0.00 |
| 602 | 3205. | 0. | -3192. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3227.5 | 3227.5 | 0.00 |
| 603 | 3192. | 0. | -3179. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3214.7 | 3214.7 | 0.00 |
| 604 | 3179. | 0. | -3167. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3202.1 | 3202.1 | 0.00 |
| 605 | 3167. | 0. | -3154. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3189.6 | 3189.6 | 0.00 |
| 606 | 3154. | 0. | -3142. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3177.3 | 3177.3 | 0.00 |
| 607 | 3142. | 0. | -3130. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3165.1 | 3165.1 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 608 | 3130. | 0. | -3118. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3153.0 | 3153.0 | 0.00 |
| 609 | 3118. | 0. | -3106. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3141.1 | 3141.1 | 0.00 |
| 610 | 3106. | 0. | -3094. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3129.4 | 3129.4 | 0.00 |
| 611 | 3094. | 0. | -3083. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -14. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3117.7 | 3117.7 | 0.00 |
| 612 | 3083. | 0. | -3071. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -13. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3106.2 | 3106.2 | 0.00 |
| 613 | 3071. | 0. | -3060. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3094.8 | 3094.8 | 0.00 |
| 614 | 3060. | 0. | -3049. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3083.6 | 3083.6 | 0.00 |
| 615 | 3049. | 0. | -3038. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -3072.5 | 3072.5 | 0.00 |
| 616 | 3038. | 0. | -3027. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -3061.5 | 3061.5 | 0.00 |
| 617 | 3027. | 0. | -3016. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -3050.7 | 3050.7 | 0.00 |
| 618 | 3016. | 0. | -3005. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -3040.0 | 3040.0 | 0.00 |
| 619 | 3005. | 0. | -2995. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -3029.4 | 3029.4 | 0.00 |
| 620 | 2995. | 0. | -2984. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -3018.9 | 3018.9 | 0.00 |
| 621 | 2984. | 0. | -2974. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -3008.6 | 3008.6 | 0.00 |
| 622 | 2974. | 0. | -2964. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2998.3 | 2998.3 | 0.00 |
| 623 | 2964. | 0. | -2954. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2988.3 | 2988.3 | 0.00 |
| 624 | 2954. | 0. | -2944. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2978.3 | 2978.3 | 0.00 |
| 625 | 2944. | 0. | -2934. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2968.4 | 2968.4 | 0.00 |
| 626 | 2934. | 0. | -2924. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2958.7 | 2958.7 | 0.00 |
| 627 | 2924. | 0. | -2915. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2949.0 | 2949.0 | 0.00 |
| 628 | 2915. | 0. | -2905. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2939.5 | 2939.5 | 0.00 |
| 629 | 2905. | 0. | -2896. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2930.1 | 2930.1 | 0.00 |
| 630 | 2896. | 0. | -2887. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2920.8 | 2920.8 | 0.00 |
| 631 | 2887. | 0. | -2877. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2911.6 | 2911.6 | 0.00 |
| 632 | 2877. | 0. | -2868. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2902.6 | 2902.6 | 0.00 |
| 633 | 2868. | 0. | -2859. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2893.6 | 2893.6 | 0.00 |
| 634 | 2859. | 0. | -2851. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2884.7 | 2884.7 | 0.00 |
| 635 | 2851. | 0. | -2842. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2876.0 | 2876.0 | 0.00 |
| 636 | 2842. | 0. | -2833. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2867.3 | 2867.3 | 0.00 |
| 637 | 2833. | 0. | -2825. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2858.8 | 2858.8 | 0.00 |
| 638 | 2825. | 0. | -2816. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2850.3 | 2850.3 | 0.00 |
| 639 | 2816. | 0. | -2808. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2842.0 | 2842.0 | 0.00 |
| 640 | 2808. | 0. | -2800. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2833.8 | 2833.8 | 0.00 |
| 641 | 2800. | 0. | -2792. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2825.6 | 2825.6 | 0.00 |
| 642 | 2792. | 0. | -2784. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2817.6 | 2817.6 | 0.00 |
| 643 | 2784. | 0. | -2776. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2809.6 | 2809.6 | 0.00 |
| 644 | 2776. | 0. | -2768. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2801.8 | 2801.8 | 0.00 |
| 645 | 2768. | 0. | -2760. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2794.0 | 2794.0 | 0.00 |
| 646 | 2760. | 0. | -2753. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2786.4 | 2786.4 | 0.00 |
| 647 | 2753. | 0. | -2745. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -13. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2778.8 | 2778.8 | 0.00 |
| 648 | 2745. | 0. | -2738. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2771.3 | 2771.3 | 0.00 |
| 649 | 2738. | 0. | -2730. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2763.9 | 2763.9 | 0.00 |
| 650 | 2730. | 0. | -2723. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2756.6 | 2756.6 | 0.00 |
| 651 | 2723. | 0. | -2716. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2749.4 | 2749.4 | 0.00 |
| 652 | 2716. | 0. | -2709. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2742.3 | 2742.3 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 653 | 2709. | 0. | -2702. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2735.3 | 2735.3 | 0.00 |
| 654 | 2702. | 0. | -2695. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2728.4 | 2728.4 | 0.00 |
| 655 | 2695. | 0. | -2688. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2721.5 | 2721.5 | 0.00 |
| 656 | 2688. | 0. | -2681. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2714.8 | 2714.8 | 0.00 |
| 657 | 2681. | 0. | -2675. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2708.1 | 2708.1 | 0.00 |
| 658 | 2675. | 0. | -2668. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2701.5 | 2701.5 | 0.00 |
| 659 | 2668. | 0. | -2662. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2695.0 | 2695.0 | 0.00 |
| 660 | 2662. | 0. | -2655. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2688.6 | 2688.6 | 0.00 |
| 661 | 2655. | 0. | -2649. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2682.2 | 2682.2 | 0.00 |
| 662 | 2649. | 0. | -2643. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2675.9 | 2675.9 | 0.00 |
| 663 | 2643. | 0. | -2636. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2669.7 | 2669.7 | 0.00 |
| 664 | 2636. | 0. | -2630. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2663.6 | 2663.6 | 0.00 |
| 665 | 2630. | 0. | -2624. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2657.6 | 2657.6 | 0.00 |
| 666 | 2624. | 0. | -2620. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2653.6 | 2653.6 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 667 | 2620. | 0. | -2614. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2647.6 | 2647.6 | 0.00 |
| 668 | 2614. | 0. | -2609. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2641.7 | 2641.7 | 0.00 |
| 669 | 2609. | 0. | -2603. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2635.9 | 2635.9 | 0.00 |
| 670 | 2603. | 0. | -2597. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2630.2 | 2630.2 | 0.00 |
| 671 | 2597. | 0. | -2591. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2624.6 | 2624.6 | 0.00 |
| 672 | 2591. | 0. | -2586. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2619.0 | 2619.0 | 0.00 |
| 673 | 2586. | 0. | -2580. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2613.5 | 2613.5 | 0.00 |
| 674 | 2580. | 0. | -2575. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2608.1 | 2608.1 | 0.00 |
| 675 | 2575. | 0. | -2570. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2602.7 | 2602.7 | 0.00 |
| 676 | 2570. | 0. | -2564. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2597.5 | 2597.5 | 0.00 |
| 677 | 2564. | 0. | -2559. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2592.2 | 2592.2 | 0.00 |
| 678 | 2559. | 0. | -2790. | 0. | 0. | 0. | 0. | 0. | 0. | 235. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2822.9 | 2822.9 | 0.00 |
| 679 | 2790. | 0. | -2785. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2818.6 | 2818.6 | 0.00 |
| 680 | 2785. | 0. | -2781. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2814.3 | 2814.3 | 0.00 |
| 681 | 2781. | 0. | -2777. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2810.1 | 2810.1 | 0.00 |
| 682 | 2777. | 0. | -2773. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2806.0 | 2806.0 | 0.00 |
| 683 | 2773. | 0. | -2769. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2801.9 | 2801.9 | 0.00 |
| 684 | 2769. | 0. | -2765. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2797.8 | 2797.8 | 0.00 |
| 685 | 2765. | 0. | -2761. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2793.8 | 2793.8 | 0.00 |
| 686 | 2761. | 0. | -2757. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2789.9 | 2789.9 | 0.00 |
| 687 | 2757. | 0. | -2753. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2786.0 | 2786.0 | 0.00 |
| 688 | 2753. | 0. | -2749. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2782.2 | 2782.2 | 0.00 |
| 689 | 2749. | 0. | -2745. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2778.4 | 2778.4 | 0.00 |
| 690 | 2745. | 0. | -2742. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2774.7 | 2774.7 | 0.00 |
| 691 | 2742. | 0. | -2738. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2771.0 | 2771.0 | 0.00 |
| 692 | 2738. | 0. | -2734. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2767.4 | 2767.4 | 0.00 |
| 693 | 2734. | 0. | -2731. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2763.8 | 2763.8 | 0.00 |
| 694 | 2731. | 0. | -2727. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2760.3 | 2760.3 | 0.00 |
| 695 | 2727. | 0. | -2724. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2756.8 | 2756.8 | 0.00 |
| 696 | 2724. | 0. | -2721. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2753.3 | 2753.3 | 0.00 |
| 697 | 2721. | 0. | -2717. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2749.9 | 2749.9 | 0.00 |
| 698 | 2717. | 0. | -2714. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2746.6 | 2746.6 | 0.00 |
| 699 | 2714. | 0. | -2711. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2743.3 | 2743.3 | 0.00 |
| 700 | 2711. | 0. | -2707. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2740.1 | 2740.1 | 0.00 |
| 701 | 2707. | 0. | -2704. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2736.9 | 2736.9 | 0.00 |
| 702 | 2704. | 0. | -2701. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2733.7 | 2733.7 | 0.00 |
| 703 | 2701. | 0. | -2698. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2730.6 | 2730.6 | 0.00 |
| 704 | 2698. | 0. | -2695. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2727.5 | 2727.5 | 0.00 |
| 705 | 2695. | 0. | -2692. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2724.5 | 2724.5 | 0.00 |
| 706 | 2692. | 0. | -2689. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2721.5 | 2721.5 | 0.00 |
| 707 | 2689. | 0. | -2686. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2718.6 | 2718.6 | 0.00 |
| 708 | 2686. | 0. | -2683. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2715.7 | 2715.7 | 0.00 |
| 709 | 2683. | 0. | -2680. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -12. | -3. | 0. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | -2712.8 | 2712.8 | 0.00 |
| 829 | 2680. | 186. | -2851. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -33. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2898.2 | 2898.2 | 0.00 |
| 830 | 2851. | 0. | -2836. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -33. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2882.8 | 2882.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 831 | 2836. | 0. | -2821. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -33. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2867.7 | 2867.7 | 0.00 |
| 832 | 2821. | 0. | -2807. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -33. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2853.0 | 2853.0 | 0.00 |
| 833 | 2807. | 0. | -2792. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -32. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2838.5 | 2838.5 | 0.00 |
| 834 | 2792. | 0. | -2778. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -32. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2824.4 | 2824.4 | 0.00 |
| 835 | 2778. | 0. | -2765. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -32. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2810.5 | 2810.5 | 0.00 |
| 836 | 2765. | 0. | -2752. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -32. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2797.0 | 2797.0 | 0.00 |
| 837 | 2752. | 0. | -2739. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -32. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2783.8 | 2783.8 | 0.00 |
| 838 | 2739. | 0. | -2726. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -31. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2770.9 | 2770.9 | 0.00 |
| 839 | 2726. | 0. | -2713. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -31. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2758.2 | 2758.2 | 0.00 |
| 840 | 2713. | 0. | -2701. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -31. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2745.9 | 2745.9 | 0.00 |
| 841 | 2701. | 0. | -2689. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -31. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2733.8 | 2733.8 | 0.00 |
| 842 | 2689. | 0. | -2678. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -30. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2722.0 | 2722.0 | 0.00 |
| 843 | 2678. | 0. | -2666. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -30. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2710.5 | 2710.5 | 0.00 |
| 844 | 2666. | 0. | -2655. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -30. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2699.3 | 2699.3 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 845 | 2655. | 0. | -2645. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -30. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2688.3 | 2688.3 | 0.00 |
| 846 | 2645. | 0. | -2634. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -30. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2677.6 | 2677.6 | 0.00 |
| 847 | 2634. | 0. | -2624. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -29. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2667.2 | 2667.2 | 0.00 |
| 848 | 2624. | 0. | -2614. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -29. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2657.1 | 2657.1 | 0.00 |
| 849 | 2614. | 0. | -2604. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -29. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2647.2 | 2647.2 | 0.00 |
| 850 | 2604. | 0. | -2595. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -29. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2637.5 | 2637.5 | 0.00 |
| 851 | 2595. | 0. | -2586. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -28. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2628.1 | 2628.1 | 0.00 |
| 852 | 2586. | 0. | -2577. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -28. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2619.0 | 2619.0 | 0.00 |
| 853 | 2577. | 0. | -2568. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -28. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2610.1 | 2610.1 | 0.00 |
| 854 | 2568. | 0. | -2560. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -28. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2601.4 | 2601.4 | 0.00 |
| 855 | 2560. | 0. | -2551. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | -28. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2593.0 | 2593.0 | 0.00 |
| 856 | 2551. | 0. | -2543. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -27. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2584.8 | 2584.8 | 0.00 |
| 857 | 2543. | 0. | -2536. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -27. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2576.9 | 2576.9 | 0.00 |
| 858 | 2536. | 0. | -2528. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -27. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2569.2 | 2569.2 | 0.00 |
| 859 | 2528. | 0. | -2521. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -27. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2561.7 | 2561.7 | 0.00 |
| 860 | 2521. | 0. | -2514. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -27. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2554.4 | 2554.4 | 0.00 |
| 861 | 2514. | 0. | -2507. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -26. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2547.4 | 2547.4 | 0.00 |
| 862 | 2507. | 0. | -2500. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -26. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2540.5 | 2540.5 | 0.00 |
| 863 | 2500. | 0. | -2494. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -26. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2533.9 | 2533.9 | 0.00 |
| 864 | 2494. | 0. | -2487. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -26. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2527.6 | 2527.6 | 0.00 |
| 865 | 2487. | 0. | -2481. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -26. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2521.4 | 2521.4 | 0.00 |
| 866 | 2481. | 0. | -2476. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -25. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2515.4 | 2515.4 | 0.00 |
| 867 | 2476. | 0. | -2470. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -25. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2509.6 | 2509.6 | 0.00 |
| 868 | 2470. | 0. | -2465. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -25. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2504.1 | 2504.1 | 0.00 |
| 869 | 2465. | 0. | -2460. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -25. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2498.7 | 2498.7 | 0.00 |
| 870 | 2460. | 0. | -2455. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -25. | -4. | 0. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | -2493.6 | 2493.6 | 0.00 |
| 871 | 2455. | 0. | -2450. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -25. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2488.6 | 2488.6 | 0.00 |
| 872 | 2450. | 0. | -2445. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -24. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2483.8 | 2483.8 | 0.00 |
| 873 | 2445. | 0. | -2441. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -24. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2479.2 | 2479.2 | 0.00 |
| 874 | 2441. | 0. | -2436. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -24. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2474.8 | 2474.8 | 0.00 |
| 875 | 2436. | 0. | -2432. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -24. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2470.6 | 2470.6 | 0.00 |
| 876 | 2432. | 0. | -2428. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -24. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2466.6 | 2466.6 | 0.00 |
| 877 | 2428. | 0. | -2425. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -23. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2462.7 | 2462.7 | 0.00 |
| 878 | 2425. | 0. | -2421. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | -23. | -4. | 0. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | -2459.0 | 2459.0 | 0.00 |
| 1047 | 2421. | 2082. | -4504. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4534.6 | 4534.6 | 0.00 |
| 1048 | 4504. | 0. | -4504. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4535.2 | 4535.2 | 0.00 |
| 1049 | 4504. | 0. | -4505. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4535.9 | 4535.9 | 0.00 |
| 1050 | 4505. | 0. | -4506. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4536.7 | 4536.7 | 0.00 |
| 1051 | 4506. | 0. | -4507. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4537.5 | 4537.5 | 0.00 |
| 1052 | 4507. | 0. | -4508. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4538.4 | 4538.4 | 0.00 |
| 1053 | 4508. | 0. | -4509. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4539.4 | 4539.4 | 0.00 |
| 1054 | 4509. | 0. | -4510. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4540.4 | 4540.4 | 0.00 |
| 1055 | 4510. | 0. | -4511. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4541.5 | 4541.5 | 0.00 |
| 1056 | 4511. | 0. | -4512. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4542.6 | 4542.6 | 0.00 |
| 1057 | 4512. | 0. | -4513. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4543.8 | 4543.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1058 | 4513. | 0. | -4515. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4545.0 | 4545.0 | 0.00 |
| 1059 | 4515. | 0. | -4516. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -19. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4546.3 | 4546.3 | 0.00 |
| 1060 | 4516. | 0. | -4517. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4547.7 | 4547.7 | 0.00 |
| 1061 | 4517. | 0. | -4519. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4549.1 | 4549.1 | 0.00 |
| 1062 | 4519. | 0. | -4520. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4550.6 | 4550.6 | 0.00 |
| 1063 | 4520. | 0. | -4522. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4552.1 | 4552.1 | 0.00 |
| 1064 | 4522. | 0. | -4524. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4553.7 | 4553.7 | 0.00 |
| 1065 | 4524. | 0. | -4525. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4555.4 | 4555.4 | 0.00 |
| 1066 | 4525. | 0. | -4527. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4557.0 | 4557.0 | 0.00 |
| 1067 | 4527. | 0. | -4529. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4558.8 | 4558.8 | 0.00 |
| 1068 | 4529. | 0. | -4531. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4560.6 | 4560.6 | 0.00 |
| 1069 | 4531. | 0. | -4533. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -2. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4562.5 | 4562.5 | 0.00 |
| 1070 | 4533. | 0. | -4535. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4564.4 | 4564.4 | 0.00 |
| 1071 | 4535. | 0. | -4537. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4566.3 | 4566.3 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1072 | 4537. | 0. | -4539. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4568.3 | 4568.3 | 0.00 |
| 1073 | 4539. | 0. | -4541. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4570.4 | 4570.4 | 0.00 |
| 1074 | 4541. | 0. | -4543. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4572.5 | 4572.5 | 0.00 |
| 1075 | 4543. | 0. | -4545. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -18. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4574.7 | 4574.7 | 0.00 |
| 1076 | 4545. | 0. | -4548. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4576.9 | 4576.9 | 0.00 |
| 1077 | 4548. | 0. | -4550. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4579.2 | 4579.2 | 0.00 |
| 1078 | 4550. | 0. | -4552. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4581.5 | 4581.5 | 0.00 |
| 1079 | 4552. | 0. | -4555. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4583.9 | 4583.9 | 0.00 |
| 1080 | 4555. | 0. | -4557. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4586.3 | 4586.3 | 0.00 |
| 1081 | 4557. | 0. | -4560. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4588.7 | 4588.7 | 0.00 |
| 1082 | 4560. | 0. | -4562. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4591.2 | 4591.2 | 0.00 |
| 1083 | 4562. | 0. | -4565. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4593.8 | 4593.8 | 0.00 |
| 1084 | 4565. | 0. | -4568. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4596.4 | 4596.4 | 0.00 |
| 1085 | 4568. | 0. | -4570. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4599.1 | 4599.1 | 0.00 |
| 1086 | 4570. | 0. | -4573. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4601.7 | 4601.7 | 0.00 |
| 1087 | 4573. | 0. | -4576. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4604.5 | 4604.5 | 0.00 |
| 1088 | 4576. | 0. | -4579. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4607.3 | 4607.3 | 0.00 |
| 1089 | 4579. | 0. | -4582. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4610.1 | 4610.1 | 0.00 |
| 1090 | 4582. | 0. | -4585. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4613.0 | 4613.0 | 0.00 |
| 1091 | 4585. | 0. | -4588. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4615.9 | 4615.9 | 0.00 |
| 1092 | 4588. | 0. | -4591. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -17. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4618.9 | 4618.9 | 0.00 |
| 1093 | 4591. | 0. | -4594. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4621.9 | 4621.9 | 0.00 |
| 1094 | 4594. | 0. | -4597. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4624.9 | 4624.9 | 0.00 |
| 1095 | 4597. | 0. | -4600. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4628.0 | 4628.0 | 0.00 |
| 1096 | 4600. | 0. | -4603. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4631.1 | 4631.1 | 0.00 |
| 1097 | 4603. | 0. | -4606. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4634.3 | 4634.3 | 0.00 |
| 1098 | 4606. | 0. | -4610. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4637.5 | 4637.5 | 0.00 |
| 1099 | 4610. | 0. | -4613. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4640.8 | 4640.8 | 0.00 |
| 1100 | 4613. | 0. | -4616. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4644.0 | 4644.0 | 0.00 |
| 1101 | 4616. | 0. | -4620. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4647.4 | 4647.4 | 0.00 |
| 1102 | 4620. | 0. | -4623. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4650.8 | 4650.8 | 0.00 |
| 1103 | 4623. | 0. | -4626. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4654.2 | 4654.2 | 0.00 |
| 1104 | 4626. | 0. | -4630. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4657.6 | 4657.6 | 0.00 |
| 1105 | 4630. | 0. | -4633. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4661.1 | 4661.1 | 0.00 |
| 1106 | 4633. | 0. | -4637. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4664.6 | 4664.6 | 0.00 |
| 1107 | 4637. | 0. | -4641. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4668.2 | 4668.2 | 0.00 |
| 1108 | 4641. | 0. | -4644. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4671.8 | 4671.8 | 0.00 |
| 1109 | 4644. | 0. | -4648. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4675.4 | 4675.4 | 0.00 |
| 1110 | 4648. | 0. | -4652. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -16. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4679.1 | 4679.1 | 0.00 |
| 1111 | 4652. | 0. | -4656. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4682.8 | 4682.8 | 0.00 |
| 1112 | 4656. | 0. | -4659. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4686.6 | 4686.6 | 0.00 |
| 1113 | 4659. | 0. | -4663. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4690.4 | 4690.4 | 0.00 |
| 1114 | 4663. | 0. | -4667. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4694.2 | 4694.2 | 0.00 |
| 1115 | 4667. | 0. | -4671. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4698.0 | 4698.0 | 0.00 |
| 1116 | 4671. | 0. | -4675. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4701.9 | 4701.9 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1117 | 4675. | 0. | -4679. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4705.8 | 4705.8 | 0.00 |
| 1118 | 4679. | 0. | -4683. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4709.8 | 4709.8 | 0.00 |
| 1119 | 4683. | 0. | -4687. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4713.8 | 4713.8 | 0.00 |
| 1120 | 4687. | 0. | -4691. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4717.8 | 4717.8 | 0.00 |
| 1121 | 4691. | 0. | -4695. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4721.9 | 4721.9 | 0.00 |
| 1122 | 4695. | 0. | -4699. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4725.9 | 4725.9 | 0.00 |
| 1123 | 4699. | 0. | -4703. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4730.1 | 4730.1 | 0.00 |
| 1124 | 4703. | 0. | -4708. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4734.2 | 4734.2 | 0.00 |
| 1125 | 4708. | 0. | -4712. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4738.4 | 4738.4 | 0.00 |
| 1126 | 4712. | 0. | -4716. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4742.6 | 4742.6 | 0.00 |
| 1127 | 4716. | 0. | -4720. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4746.9 | 4746.9 | 0.00 |
| 1128 | 4720. | 0. | -4725. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -15. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4751.1 | 4751.1 | 0.00 |
| 1129 | 4725. | 0. | -4729. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4755.4 | 4755.5 | 0.00 |
| 1130 | 4729. | 0. | -4733. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4759.8 | 4759.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1131 | 4733. | 0. | -4738. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4764.2 | 4764.2 | 0.00 |
| 1132 | 4738. | 0. | -4742. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4768.5 | 4768.5 | 0.00 |
| 1133 | 4742. | 0. | -4747. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4773.0 | 4773.0 | 0.00 |
| 1134 | 4747. | 0. | -4751. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4777.4 | 4777.4 | 0.00 |
| 1135 | 4751. | 0. | -4756. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4781.9 | 4781.9 | 0.00 |
| 1136 | 4756. | 0. | -4760. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4786.4 | 4786.4 | 0.00 |
| 1137 | 4760. | 0. | -4765. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4791.0 | 4791.0 | 0.00 |
| 1138 | 4765. | 0. | -4770. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4795.5 | 4795.5 | 0.00 |
| 1139 | 4770. | 0. | -4774. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4800.1 | 4800.1 | 0.00 |
| 1140 | 4774. | 0. | -4779. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4804.7 | 4804.7 | 0.00 |
| 1141 | 4779. | 0. | -4784. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4809.4 | 4809.4 | 0.00 |
| 1142 | 4784. | 0. | -4788. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4814.1 | 4814.1 | 0.00 |
| 1143 | 4788. | 0. | -4793. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4818.8 | 4818.8 | 0.00 |
| 1144 | 4793. | 0. | -4798. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4823.5 | 4823.5 | 0.00 |
| 1145 | 4798. | 0. | -4803. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4828.2 | 4828.2 | 0.00 |
| 1146 | 4803. | 0. | -4807. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4833.0 | 4833.0 | 0.00 |
| 1147 | 4807. | 0. | -4812. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4837.8 | 4837.8 | 0.00 |
| 1148 | 4812. | 0. | -4817. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4842.6 | 4842.6 | 0.00 |
| 1149 | 4817. | 0. | -4822. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -14. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4847.5 | 4847.5 | 0.00 |
| 1150 | 4822. | 0. | -4827. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -13. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4852.4 | 4852.4 | 0.00 |
| 1151 | 4827. | 0. | -4832. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -13. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4857.3 | 4857.3 | 0.00 |
| 1152 | 4832. | 0. | -4837. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -13. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4862.2 | 4862.2 | 0.00 |
| 1153 | 4837. | 0. | -4842. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -13. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4867.1 | 4867.1 | 0.00 |
| 1154 | 4842. | 0. | -4847. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -13. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4872.1 | 4872.1 | 0.00 |
| 1155 | 4847. | 0. | -4852. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -13. | -3. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -4877.1 | 4877.1 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Poydras #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 2. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -7.0 | 7.0 | 0.00 |
| 127 | 6. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -11.1 | 11.1 | 0.00 |
| 128 | 10. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.4 | 14.4 | 0.00 |
| 129 | 13. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.2 | 17.2 | 0.00 |
| 130 | 16. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.7 | 19.7 | 0.00 |
| 131 | 19. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.9 | 21.9 | 0.00 |
| 132 | 21. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.8 | 23.8 | 0.00 |
| 133 | 23. | 0. | -24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.5 | 25.5 | 0.00 |
| 134 | 24. | 0. | -26. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -27.0 | 27.0 | 0.00 |
| 135 | 26. | 0. | -27. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -28.3 | 28.3 | 0.00 |
| 136 | 27. | 0. | -28. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -29.5 | 29.5 | 0.00 |
| 137 | 28. | 0. | -29. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -30.5 | 30.5 | 0.00 |
| 138 | 29. | 0. | -30. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -31.4 | 31.4 | 0.00 |
| 139 | 30. | 0. | -31. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -32.2 | 32.2 | 0.00 |
| 140 | 31. | 0. | -32. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -32.9 | 32.9 | 0.00 |
| 141 | 32. | 0. | -32. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -33.5 | 33.5 | 0.00 |
| 142 | 32. | 0. | -33. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -34.1 | 34.1 | 0.00 |
| 143 | 33. | 0. | -33. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -34.5 | 34.5 | 0.00 |
| 144 | 33. | 0. | -34. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -35.0 | 35.0 | 0.00 |
| 145 | 34. | 0. | -34. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -35.3 | 35.3 | 0.00 |
| 146 | 34. | 0. | -35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -35.7 | 35.7 | 0.00 |
| 147 | 35. | 0. | -35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -36.0 | 36.0 | 0.00 |
| 148 | 35. | 0. | -35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -36.3 | 36.3 | 0.00 |
| 149 | 35. | 0. | -35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -36.5 | 36.5 | 0.00 |
| 150 | 35. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -36.7 | 36.7 | 0.00 |
| 151 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -36.9 | 36.9 | 0.00 |
| 152 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.1 | 37.1 | 0.00 |
| 153 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.2 | 37.2 | 0.00 |
| 154 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.4 | 37.4 | 0.00 |
| 155 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.5 | 37.5 | 0.00 |
| 156 | 36. | 0. | -36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.6 | 37.6 | 0.00 |
| 157 | 36. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.7 | 37.7 | 0.00 |
| 158 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -37.9 | 37.9 | 0.00 |
| 159 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.0 | 38.0 | 0.00 |
| 160 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.0 | 38.0 | 0.00 |
| 161 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.1 | 38.1 | 0.00 |
| 162 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.1 | 38.1 | 0.00 |
| 163 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.2 | 38.2 | 0.00 |
| 164 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.3 | 38.3 | 0.00 |
| 165 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.3 | 38.3 | 0.00 |
| 166 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.4 | 38.3 | 0.00 |
| 167 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.4 | 38.4 | 0.00 |
| 168 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.4 | 38.4 | 0.00 |
| 169 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.4 | 38.4 | 0.00 |
| 170 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.5 | 38.5 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 171 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.5 | 38.5 | 0.00 |
| 172 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.5 | 38.5 | 0.00 |
| 173 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.5 | 38.5 | 0.00 |
| 174 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.6 | 38.6 | 0.00 |
| 175 | 37. | 0. | -37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.6 | 38.6 | 0.00 |
| 176 | 37. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.6 | 38.6 | 0.00 |
| 177 | 38. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.6 | 38.6 | 0.00 |
| 178 | 38. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.6 | 38.6 | 0.00 |
| 179 | 38. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.6 | 38.6 | 0.00 |
| 180 | 38. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.7 | 38.7 | 0.00 |
| 181 | 38. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.7 | 38.7 | 0.00 |
| 182 | 38. | 0. | -38. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -38.7 | 38.7 | 0.00 |
| 183 | 38. | 0. | -37. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -40.2 | 40.2 | 0.00 |
| 184 | 37. | 0. | -37. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -40.1 | 40.0 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Poydras #1

| IOR | UPMN ADV | ADV | UPTR ADV | LOWR DISP | UPMN DISP | UPTR DISP | LOWR IN | OUT | INCR IN | IN | NONP OUT | IN | WSLD DECA | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 185 | 37. | 0. | -37. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -40.1 | 40.1 | 0.00 | | |
| 186 | 37. | 0. | -38. | 0. | 0. | 0. | 1. | 0. | 0. | 1. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -41.0 | 41.0 | 0.00 | | |
| 187 | 38. | 0. | -38. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -41.4 | 41.4 | 0.00 | | |
| 188 | 38. | 0. | -39. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -41.8 | 41.8 | 0.00 | | |
| 189 | 39. | 0. | -39. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -42.3 | 42.3 | 0.00 | | |
| 190 | 39. | 0. | -40. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -42.9 | 42.9 | 0.00 | | |
| 191 | 40. | 0. | -40. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -43.5 | 43.5 | 0.00 | | |
| 192 | 40. | 0. | -41. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -44.3 | 44.3 | 0.00 | | |
| 193 | 41. | 0. | -42. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -45.2 | 45.2 | 0.00 | | |
| 194 | 42. | 0. | -43. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -46.1 | 46.1 | 0.00 | | |
| 195 | 43. | 0. | -44. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -47.1 | 47.1 | 0.00 | | |
| 196 | 44. | 0. | -45. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -48.2 | 48.2 | 0.00 | | |
| 197 | 45. | 0. | -46. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -49.3 | 49.3 | 0.00 | | |
| 198 | 46. | 0. | -47. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -50.5 | 50.5 | 0.00 | | |
| 199 | 47. | 0. | -48. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -51.7 | 51.7 | 0.00 | | |
| 200 | 48. | 0. | -50. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -52.9 | 52.9 | 0.00 | | |
| 201 | 50. | 0. | -51. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -54.2 | 54.2 | 0.00 | | |
| 202 | 51. | 0. | -52. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -55.6 | 55.6 | 0.00 | | |
| 203 | 52. | 0. | -54. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -56.9 | 56.9 | 0.00 | | |
| 204 | 54. | 0. | -55. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -58.3 | 58.3 | 0.00 | | |
| 205 | 55. | 0. | -56. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -59.7 | 59.7 | 0.00 | | |
| 206 | 56. | 0. | -58. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -61.2 | 61.2 | 0.00 | | |
| 207 | 58. | 0. | -59. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -62.7 | 62.7 | 0.00 | | |
| 208 | 59. | 0. | -61. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -64.2 | 64.2 | 0.00 | | |
| 209 | 61. | 0. | -62. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -65.7 | 65.7 | 0.00 | | |
| 210 | 62. | 0. | -64. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -67.3 | 67.3 | 0.00 | | |
| 211 | 64. | 0. | -65. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -68.8 | 68.8 | 0.00 | | |
| 212 | 65. | 0. | -67. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -70.4 | 70.4 | 0.00 | | |
| 213 | 67. | 0. | -69. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -72.0 | 72.0 | 0.00 | | |
| 214 | 69. | 0. | -70. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -73.6 | 73.6 | 0.00 | | |
| 215 | 70. | 0. | -72. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -75.2 | 75.2 | 0.00 | | |
| 216 | 72. | 0. | -73. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -76.9 | 76.9 | 0.00 | | |
| 217 | 73. | 0. | -75. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -78.5 | 78.5 | 0.00 | | |
| 218 | 75. | 0. | -77. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -80.2 | 80.2 | 0.00 | | |
| 219 | 77. | 0. | -78. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -81.9 | 81.9 | 0.00 | | |
| 220 | 78. | 0. | -80. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -83.5 | 83.5 | 0.00 | | |
| 221 | 80. | 0. | -82. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -85.2 | 85.2 | 0.00 | | |
| 222 | 82. | 0. | -83. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -86.9 | 86.9 | 0.00 | | |
| 223 | 83. | 0. | -85. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -88.7 | 88.7 | 0.00 | | |
| 224 | 85. | 0. | -87. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -90.4 | 90.4 | 0.00 | | |
| 225 | 87. | 0. | -89. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -92.1 | 92.1 | 0.00 | | |
| 226 | 89. | 0. | -90. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -93.8 | 93.8 | 0.00 | | |
| 227 | 90. | 0. | -92. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -95.6 | 95.6 | 0.00 | | |
| 228 | 92. | 0. | -94. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -2. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -97.3 | 97.3 | 0.00 | | |

DISSOLVED OXYGEN LOADING FOR REACH 3: Chamberlin Canal #1

| IOR | UPMN ADV | UPTR ADV | UPTR ADV | LOWR DISP | UPMN DISP | UPTR DISP | LOWR IN | LOWR OUT | INCR IN | INCR IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.6 | 0.6 | 0.00 |
| 273 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.7 | 0.7 | 0.00 |
| 274 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.7 | 0.7 | 0.00 |
| 275 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.7 | 0.7 | 0.00 |
| 276 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.8 | 0.8 | 0.00 |
| 277 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.8 | 0.8 | 0.00 |
| 278 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.8 | 0.8 | 0.00 |
| 279 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.9 | 0.9 | 0.00 |
| 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.9 | 0.9 | 0.00 |
| 281 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.9 | 0.9 | 0.00 |
| 282 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -0.9 | 0.9 | 0.00 |
| 283 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.0 | 1.0 | 0.00 |
| 284 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.0 | 1.0 | 0.00 |
| 285 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.0 | 1.0 | 0.00 |
| 286 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.1 | 1.1 | 0.00 |
| 287 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.1 | 1.1 | 0.00 |
| 288 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.1 | 1.1 | 0.00 |
| 289 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.1 | 1.1 | 0.00 |
| 290 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.2 | 1.2 | 0.00 |
| 291 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.2 | 1.2 | 0.00 |
| 292 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.2 | 1.2 | 0.00 |
| 293 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.2 | 1.2 | 0.00 |
| 294 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.2 | 1.2 | 0.00 |
| 295 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.3 | 1.3 | 0.00 |
| 296 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.3 | 1.3 | 0.00 |
| 297 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.3 | 1.3 | 0.00 |
| 298 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.3 | 1.3 | 0.00 |
| 299 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.4 | 1.4 | 0.00 |
| 300 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.4 | 1.4 | 0.00 |
| 301 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.4 | 1.4 | 0.00 |
| 302 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.4 | 1.4 | 0.00 |
| 303 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.4 | 1.4 | 0.00 |
| 304 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1.5 | 1.5 | 0.00 |
| 305 | 1. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.4 | 3.4 | 0.00 |
| 306 | 2. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.2 | 3.2 | 0.00 |
| 307 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.2 | 3.2 | 0.00 |
| 308 | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.2 | 3.2 | 0.00 |
| 309 | 1. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.2 | 3.2 | 0.00 |
| 310 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.3 | 3.3 | 0.00 |
| 311 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.3 | 3.3 | 0.00 |
| 312 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.4 | 3.4 | 0.00 |
| 313 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.4 | 3.4 | 0.00 |
| 314 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.5 | 3.5 | 0.00 |
| 315 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.6 | 3.6 | 0.00 |
| 316 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -3.6 | 3.6 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 317 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -3.7 | 3.7 | 0.00 |
| 318 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -3.8 | 3.8 | 0.00 |
| 319 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -3.8 | 3.8 | 0.00 |
| 320 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -3.9 | 3.9 | 0.00 |
| 321 | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.0 | 4.0 | 0.00 |
| 322 | 2. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.0 | 4.0 | 0.00 |
| 323 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.1 | 4.1 | 0.00 |
| 324 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.2 | 4.2 | 0.00 |
| 325 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.3 | 4.3 | 0.00 |
| 326 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.3 | 4.3 | 0.00 |
| 327 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.4 | 4.4 | 0.00 |
| 328 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.5 | 4.5 | 0.00 |
| 329 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.6 | 4.6 | 0.00 |
| 330 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -4.6 | 4.6 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 3: Chamberlin Canal #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 331 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -4.7 | 4.7 | 0.00 |
| 332 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -4.8 | 4.8 | 0.00 |
| 333 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -4.9 | 4.9 | 0.00 |
| 334 | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.0 | 5.0 | 0.00 |
| 335 | 3. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.0 | 5.0 | 0.00 |
| 336 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.1 | 5.1 | 0.00 |
| 337 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.2 | 5.2 | 0.00 |
| 338 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.3 | 5.3 | 0.00 |
| 339 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.4 | 5.4 | 0.00 |
| 340 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.5 | 5.5 | 0.00 |
| 341 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.5 | 5.5 | 0.00 |
| 342 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.6 | 5.6 | 0.00 |
| 343 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.7 | 5.7 | 0.00 |
| 344 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.8 | 5.8 | 0.00 |
| 345 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -5.9 | 5.9 | 0.00 |
| 346 | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 1. | 0. | 0. | -6.0 | 6.0 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 4814. | 0. | -4797. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4815.7 | 4815.7 | 0.00 |
| 421 | 4797. | 0. | -4780. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4798.7 | 4798.7 | 0.00 |
| 422 | 4780. | 0. | -4763. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4781.8 | 4781.8 | 0.00 |
| 423 | 4763. | 0. | -4747. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4765.1 | 4765.1 | 0.00 |
| 424 | 4747. | 0. | -4730. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4748.5 | 4748.5 | 0.00 |
| 425 | 4730. | 0. | -4714. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4732.1 | 4732.1 | 0.00 |
| 426 | 4714. | 0. | -4697. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4715.9 | 4715.9 | 0.00 |
| 427 | 4697. | 0. | -4681. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4699.8 | 4699.8 | 0.00 |
| 428 | 4681. | 0. | -4666. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4684.3 | 4684.3 | 0.00 |
| 429 | 4666. | 0. | -4650. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4668.5 | 4668.5 | 0.00 |
| 430 | 4650. | 0. | -4634. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4652.8 | 4652.8 | 0.00 |
| 431 | 4634. | 0. | -4619. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4637.3 | 4637.3 | 0.00 |
| 432 | 4619. | 0. | -4603. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4622.0 | 4622.0 | 0.00 |
| 433 | 4603. | 0. | -4588. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4606.8 | 4606.8 | 0.00 |
| 434 | 4588. | 0. | -4573. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4591.7 | 4591.7 | 0.00 |
| 435 | 4573. | 0. | -4558. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4576.8 | 4576.8 | 0.00 |
| 436 | 4558. | 0. | -4543. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4562.0 | 4562.0 | 0.00 |
| 437 | 4543. | 0. | -4529. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4547.4 | 4547.4 | 0.00 |
| 438 | 4529. | 0. | -4514. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4532.9 | 4532.9 | 0.00 |
| 439 | 4514. | 0. | -4500. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4518.6 | 4518.6 | 0.00 |
| 440 | 4500. | 0. | -4486. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4504.3 | 4504.3 | 0.00 |
| 441 | 4486. | 0. | -4472. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4490.3 | 4490.3 | 0.00 |
| 442 | 4472. | 0. | -4458. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4476.3 | 4476.3 | 0.00 |
| 443 | 4458. | 0. | -4444. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4462.5 | 4462.5 | 0.00 |
| 444 | 4444. | 0. | -4430. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4448.9 | 4448.9 | 0.00 |
| 445 | 4430. | 0. | -4417. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4435.3 | 4435.3 | 0.00 |
| 446 | 4417. | 0. | -4403. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4421.9 | 4421.9 | 0.00 |
| 447 | 4403. | 0. | -4390. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4408.7 | 4408.7 | 0.00 |
| 448 | 4390. | 0. | -4377. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4395.5 | 4395.5 | 0.00 |
| 449 | 4377. | 0. | -4364. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4382.5 | 4382.5 | 0.00 |
| 450 | 4364. | 0. | -4351. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4369.6 | 4369.6 | 0.00 |
| 451 | 4351. | 0. | -4338. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4356.9 | 4356.9 | 0.00 |
| 452 | 4338. | 0. | -4326. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4344.2 | 4344.2 | 0.00 |
| 453 | 4326. | 0. | -4313. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4331.7 | 4331.7 | 0.00 |
| 454 | 4313. | 0. | -4301. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4319.3 | 4319.3 | 0.00 |
| 455 | 4301. | 0. | -4289. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -10. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4307.1 | 4307.1 | 0.00 |
| 456 | 4289. | 0. | -4277. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4295.1 | 4295.1 | 0.00 |
| 457 | 4277. | 0. | -4265. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4283.0 | 4283.0 | 0.00 |
| 458 | 4265. | 0. | -4253. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4271.1 | 4271.1 | 0.00 |
| 459 | 4253. | 0. | -4241. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4259.3 | 4259.3 | 0.00 |
| 460 | 4241. | 0. | -4229. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4247.6 | 4247.6 | 0.00 |
| 461 | 4229. | 0. | -4218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4236.1 | 4236.1 | 0.00 |
| 462 | 4218. | 0. | -4206. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4224.6 | 4224.6 | 0.00 |
| 463 | 4206. | 0. | -4200. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4219.0 | 4219.0 | 0.00 |
| 464 | 4200. | 0. | -4189. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4207.4 | 4207.4 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 465 | 4189. | 0. | -4177. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4195.9 | 4195.9 | 0.00 |
| 466 | 4177. | 0. | -4166. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4184.6 | 4184.6 | 0.00 |
| 467 | 4166. | 0. | -4155. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4173.4 | 4173.4 | 0.00 |
| 468 | 4155. | 0. | -4144. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4162.3 | 4162.3 | 0.00 |
| 469 | 4144. | 0. | -4133. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4151.3 | 4151.3 | 0.00 |
| 470 | 4133. | 0. | -4122. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4140.4 | 4140.4 | 0.00 |
| 471 | 4122. | 0. | -4111. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4129.7 | 4129.7 | 0.00 |
| 472 | 4111. | 0. | -4100. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4119.0 | 4119.0 | 0.00 |
| 473 | 4100. | 0. | -4090. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4108.5 | 4108.5 | 0.00 |
| 474 | 4090. | 0. | -4079. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4098.1 | 4098.1 | 0.00 |
| 475 | 4079. | 0. | -4069. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4087.7 | 4087.7 | 0.00 |
| 476 | 4069. | 0. | -4059. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4077.5 | 4077.5 | 0.00 |
| 477 | 4059. | 0. | -4049. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4067.4 | 4067.4 | 0.00 |
| 478 | 4049. | 0. | -4039. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4057.4 | 4057.4 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 479 | 4039. | 0. | -4029. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4047.5 | 4047.5 | 0.00 |
| 480 | 4029. | 0. | -4019. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4037.6 | 4037.6 | 0.00 |
| 481 | 4019. | 0. | -4009. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4027.9 | 4027.9 | 0.00 |
| 482 | 4009. | 0. | -4000. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4018.3 | 4018.3 | 0.00 |
| 483 | 4000. | 0. | -3990. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -4008.8 | 4008.8 | 0.00 |
| 484 | 3990. | 0. | -3981. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3999.4 | 3999.4 | 0.00 |
| 485 | 3981. | 0. | -3971. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3990.1 | 3990.1 | 0.00 |
| 486 | 3971. | 0. | -3962. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3980.9 | 3980.9 | 0.00 |
| 487 | 3962. | 0. | -3953. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3971.7 | 3971.7 | 0.00 |
| 488 | 3953. | 0. | -3944. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3962.7 | 3962.7 | 0.00 |
| 489 | 3944. | 0. | -3935. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3953.7 | 3953.7 | 0.00 |
| 490 | 3935. | 0. | -3926. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3944.9 | 3944.9 | 0.00 |
| 491 | 3926. | 0. | -3918. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3936.1 | 3936.1 | 0.00 |
| 492 | 3918. | 0. | -3909. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3927.5 | 3927.5 | 0.00 |
| 493 | 3909. | 0. | -3900. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3918.9 | 3918.9 | 0.00 |
| 494 | 3900. | 0. | -3892. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3910.4 | 3910.4 | 0.00 |
| 495 | 3892. | 0. | -3883. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3902.0 | 3902.0 | 0.00 |
| 496 | 3883. | 0. | -3875. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3893.6 | 3893.6 | 0.00 |
| 497 | 3875. | 0. | -3867. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3885.4 | 3885.4 | 0.00 |
| 498 | 3867. | 0. | -3859. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3877.3 | 3877.3 | 0.00 |
| 499 | 3859. | 0. | -3851. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3869.2 | 3869.2 | 0.00 |
| 500 | 3851. | 0. | -3843. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3861.2 | 3861.2 | 0.00 |
| 501 | 3843. | 0. | -3835. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3853.3 | 3853.3 | 0.00 |
| 502 | 3835. | 0. | -3827. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3845.5 | 3845.5 | 0.00 |
| 503 | 3827. | 0. | -3819. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3837.7 | 3837.7 | 0.00 |
| 504 | 3819. | 0. | -3812. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3830.1 | 3830.1 | 0.00 |
| 505 | 3812. | 0. | -3804. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3822.5 | 3822.5 | 0.00 |
| 506 | 3804. | 0. | -3796. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3815.0 | 3815.0 | 0.00 |
| 507 | 3796. | 0. | -3789. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3807.5 | 3807.5 | 0.00 |
| 508 | 3789. | 0. | -3782. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3800.2 | 3800.2 | 0.00 |
| 509 | 3782. | 0. | -3774. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3792.9 | 3792.9 | 0.00 |
| 510 | 3774. | 0. | -3767. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3785.7 | 3785.7 | 0.00 |
| 511 | 3767. | 0. | -3760. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -2. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3778.6 | 3778.6 | 0.00 |
| 512 | 3760. | 0. | -3753. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3771.5 | 3771.5 | 0.00 |
| 513 | 3753. | 0. | -3746. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3764.5 | 3764.5 | 0.00 |
| 514 | 3746. | 0. | -3739. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3757.6 | 3757.6 | 0.00 |
| 515 | 3739. | 0. | -3732. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3750.8 | 3750.8 | 0.00 |
| 516 | 3732. | 0. | -3726. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3744.0 | 3744.0 | 0.00 |
| 517 | 3726. | 0. | -3719. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3737.3 | 3737.3 | 0.00 |
| 518 | 3719. | 0. | -3712. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3730.6 | 3730.6 | 0.00 |
| 519 | 3712. | 0. | -3706. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3724.1 | 3724.1 | 0.00 |
| 520 | 3706. | 0. | -3699. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3717.6 | 3717.6 | 0.00 |
| 521 | 3699. | 0. | -3693. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3711.1 | 3711.1 | 0.00 |
| 522 | 3693. | 0. | -3686. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3704.8 | 3704.8 | 0.00 |
| 523 | 3686. | 0. | -3680. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3698.5 | 3698.5 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 524 | 3680. | 0. | -3674. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3692.2 | 3692.2 | 0.00 |
| 525 | 3674. | 0. | -3668. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3686.0 | 3686.0 | 0.00 |
| 526 | 3668. | 0. | -3662. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3679.9 | 3679.9 | 0.00 |
| 527 | 3662. | 0. | -3656. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3673.9 | 3673.9 | 0.00 |
| 528 | 3656. | 0. | -3650. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3667.9 | 3667.9 | 0.00 |
| 529 | 3650. | 0. | -3644. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3662.0 | 3662.0 | 0.00 |
| 530 | 3644. | 0. | -3638. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3656.1 | 3656.1 | 0.00 |
| 531 | 3638. | 0. | -3632. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3650.3 | 3650.3 | 0.00 |
| 532 | 3632. | 0. | -3626. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3644.5 | 3644.5 | 0.00 |
| 533 | 3626. | 0. | -3621. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3638.8 | 3638.8 | 0.00 |
| 534 | 3621. | 0. | -3615. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3633.2 | 3633.2 | 0.00 |
| 535 | 3615. | 0. | -3609. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3627.6 | 3627.6 | 0.00 |
| 536 | 3609. | 0. | -3604. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3622.1 | 3622.1 | 0.00 |
| 537 | 3604. | 0. | -3598. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3616.7 | 3616.7 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538 | 3598. | 0. | -3593. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3611.3 | 3611.3 | 0.00 | |
| 539 | 3593. | 0. | -3588. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3605.9 | 3605.9 | 0.00 | |
| 540 | 3588. | 0. | -3582. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3600.6 | 3600.6 | 0.00 | |
| 541 | 3582. | 0. | -3577. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3595.4 | 3595.4 | 0.00 | |
| 542 | 3577. | 0. | -3572. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3590.2 | 3590.2 | 0.00 | |
| 543 | 3572. | 0. | -3567. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3585.0 | 3585.0 | 0.00 | |
| 544 | 3567. | 0. | -3562. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3579.9 | 3579.9 | 0.00 | |
| 545 | 3562. | 0. | -3557. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3574.9 | 3574.9 | 0.00 | |
| 546 | 3557. | 0. | -3552. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3569.9 | 3569.9 | 0.00 | |
| 547 | 3552. | 0. | -3547. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3565.0 | 3565.0 | 0.00 | |
| 548 | 3547. | 0. | -3542. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3560.1 | 3560.1 | 0.00 | |
| 549 | 3542. | 0. | -3537. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3555.3 | 3555.3 | 0.00 | |
| 550 | 3537. | 0. | -3540. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 13. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3558.9 | 3558.9 | 0.00 | |
| 551 | 3540. | 0. | -3535. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3553.6 | 3553.6 | 0.00 | |
| 552 | 3535. | 0. | -3530. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3548.5 | 3548.5 | 0.00 | |
| 553 | 3530. | 0. | -3525. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -8. | -3. | 0. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 0. | -3543.3 | 3543.3 | 0.00 | |

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 710 | 273. | 0. | -290. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -3. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -295.4 | 295.4 | 0.00 |
| 711 | 290. | 0. | -306. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -3. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -311.8 | 311.8 | 0.00 |
| 712 | 306. | 0. | -322. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -3. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -327.4 | 327.4 | 0.00 |
| 713 | 322. | 0. | -336. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -3. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -342.1 | 342.1 | 0.00 |
| 714 | 336. | 0. | -350. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -3. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -356.0 | 356.0 | 0.00 |
| 715 | 350. | 0. | -363. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -369.2 | 369.2 | 0.00 |
| 716 | 363. | 0. | -375. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -381.6 | 381.6 | 0.00 |
| 717 | 375. | 0. | -387. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 14. | 0. | 0. | -393.4 | 393.4 | 0.00 |
| 718 | 387. | 0. | -398. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -404.4 | 404.4 | 0.00 |
| 719 | 398. | 0. | -408. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -414.8 | 414.8 | 0.00 |
| 720 | 408. | 0. | -417. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -424.5 | 424.5 | 0.00 |
| 721 | 417. | 0. | -426. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -4. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -433.7 | 433.7 | 0.00 |
| 722 | 426. | 0. | -435. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -442.3 | 442.3 | 0.00 |
| 723 | 435. | 0. | -443. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -450.3 | 450.3 | 0.00 |
| 724 | 443. | 0. | -450. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -457.7 | 457.7 | 0.00 |
| 725 | 450. | 0. | -457. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 13. | 0. | 0. | -464.7 | 464.7 | 0.00 |
| 726 | 457. | 0. | -463. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -471.1 | 471.1 | 0.00 |
| 727 | 463. | 0. | -469. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -477.1 | 477.1 | 0.00 |
| 728 | 469. | 0. | -474. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -5. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -482.6 | 482.6 | 0.00 |
| 729 | 474. | 0. | -479. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -487.6 | 487.6 | 0.00 |
| 730 | 479. | 0. | -484. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -492.3 | 492.3 | 0.00 |
| 731 | 484. | 0. | -488. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -496.5 | 496.5 | 0.00 |
| 732 | 488. | 0. | -492. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -500.3 | 500.3 | 0.00 |
| 733 | 492. | 0. | -495. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -503.8 | 503.8 | 0.00 |
| 734 | 495. | 0. | -498. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 12. | 0. | 0. | -506.9 | 506.9 | 0.00 |
| 735 | 498. | 0. | -500. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -509.6 | 509.6 | 0.00 |
| 736 | 500. | 0. | -503. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -6. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -512.0 | 512.0 | 0.00 |
| 737 | 503. | 0. | -505. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -7. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -514.1 | 514.1 | 0.00 |
| 738 | 505. | 0. | -506. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -7. | 0. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -515.8 | 515.8 | 0.00 |
| 739 | 506. | 0. | -534. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -546.3 | 546.3 | 0.00 |
| 740 | 534. | 0. | -533. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -545.5 | 545.5 | 0.00 |
| 741 | 533. | 0. | -532. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -544.6 | 544.6 | 0.00 |
| 742 | 532. | 0. | -531. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 11. | 0. | 0. | -543.6 | 543.6 | 0.00 |
| 743 | 531. | 0. | -530. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -542.4 | 542.4 | 0.00 |
| 744 | 530. | 0. | -528. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -541.0 | 541.0 | 0.00 |
| 745 | 528. | 0. | -527. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -539.5 | 539.5 | 0.00 |
| 746 | 527. | 0. | -525. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -537.9 | 537.9 | 0.00 |
| 747 | 525. | 0. | -523. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -536.1 | 536.1 | 0.00 |
| 748 | 523. | 0. | -521. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -8. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -534.2 | 534.2 | 0.00 |
| 749 | 521. | 0. | -519. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -532.2 | 532.2 | 0.00 |
| 750 | 519. | 0. | -517. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 10. | 0. | 0. | -530.1 | 530.1 | 0.00 |
| 751 | 517. | 0. | -515. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -527.8 | 527.8 | 0.00 |
| 752 | 515. | 0. | -512. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -525.5 | 525.5 | 0.00 |
| 753 | 512. | 0. | -510. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -523.0 | 523.0 | 0.00 |
| 754 | 510. | 0. | -507. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -520.4 | 520.4 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 755 | 507. | 0. | -504. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -517.8 | 517.8 | 0.00 |
| 756 | 504. | 0. | -502. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -515.0 | 515.0 | 0.00 |
| 757 | 502. | 0. | -499. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -512.1 | 512.1 | 0.00 |
| 758 | 499. | 0. | -496. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 9. | 0. | 0. | -509.2 | 509.2 | 0.00 |
| 759 | 496. | 0. | -493. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -9. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -506.2 | 506.2 | 0.00 |
| 760 | 493. | 0. | -489. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -503.1 | 503.1 | 0.00 |
| 761 | 489. | 0. | -486. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -2. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -499.9 | 499.9 | 0.00 |
| 762 | 486. | 0. | -483. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -496.6 | 496.6 | 0.00 |
| 763 | 483. | 0. | -479. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -493.3 | 493.3 | 0.00 |
| 764 | 479. | 0. | -476. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -489.9 | 489.9 | 0.00 |
| 765 | 476. | 0. | -472. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -486.4 | 486.4 | 0.00 |
| 766 | 472. | 0. | -469. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 8. | 0. | 0. | -482.9 | 482.9 | 0.00 |
| 767 | 469. | 0. | -465. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -479.3 | 479.3 | 0.00 |
| 768 | 465. | 0. | -461. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -475.6 | 475.6 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 769 | 461. | 0. | -458. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -471.9 | 471.9 | 0.00 |
| 770 | 458. | 0. | -454. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -468.1 | 468.1 | 0.00 |
| 771 | 454. | 0. | -450. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -10. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -464.3 | 464.3 | 0.00 |
| 772 | 450. | 0. | -446. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -460.4 | 460.4 | 0.00 |
| 773 | 446. | 0. | -442. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -456.5 | 456.5 | 0.00 |
| 774 | 442. | 0. | -438. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -452.5 | 452.5 | 0.00 |
| 775 | 438. | 0. | -434. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 7. | 0. | 0. | -448.5 | 448.5 | 0.00 |
| 776 | 434. | 0. | -430. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -444.4 | 444.4 | 0.00 |
| 777 | 430. | 0. | -425. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -440.3 | 440.3 | 0.00 |
| 778 | 425. | 0. | -421. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -436.1 | 436.1 | 0.00 |
| 779 | 421. | 0. | -418. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -433.2 | 433.2 | 0.00 |
| 780 | 418. | 0. | -414. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -429.0 | 429.0 | 0.00 |
| 781 | 414. | 0. | -410. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -424.7 | 424.7 | 0.00 |
| 782 | 410. | 0. | -406. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -420.9 | 420.9 | 0.00 |
| 783 | 406. | 0. | -401. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 6. | 0. | 0. | -416.5 | 416.5 | 0.00 |
| 784 | 401. | 0. | -397. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | -11. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -412.2 | 412.2 | 0.00 |
| 785 | 397. | 0. | -392. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -407.9 | 407.9 | 0.00 |
| 786 | 392. | 0. | -388. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -403.4 | 403.4 | 0.00 |
| 787 | 388. | 0. | -383. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -399.0 | 399.0 | 0.00 |
| 788 | 383. | 0. | -379. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -394.5 | 394.5 | 0.00 |
| 789 | 379. | 0. | -374. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -390.0 | 390.0 | 0.00 |
| 790 | 374. | 0. | -370. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -385.4 | 385.4 | 0.00 |
| 791 | 370. | 0. | -365. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 5. | 0. | 0. | -380.9 | 380.9 | 0.00 |
| 792 | 365. | 0. | -361. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -376.3 | 376.3 | 0.00 |
| 793 | 361. | 0. | -356. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -371.7 | 371.7 | 0.00 |
| 794 | 356. | 0. | -351. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -367.1 | 367.1 | 0.00 |
| 795 | 351. | 0. | -347. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -362.4 | 362.4 | 0.00 |
| 796 | 347. | 0. | -342. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -357.8 | 357.8 | 0.00 |
| 797 | 342. | 0. | -337. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -353.2 | 353.2 | 0.00 |
| 798 | 337. | 0. | -332. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -12. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -348.5 | 348.5 | 0.00 |
| 799 | 332. | 0. | -328. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 4. | 0. | 0. | -343.8 | 343.8 | 0.00 |
| 800 | 328. | 0. | -323. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -339.1 | 339.1 | 0.00 |
| 801 | 323. | 0. | -318. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -334.3 | 334.3 | 0.00 |
| 802 | 318. | 0. | -313. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -329.6 | 329.6 | 0.00 |
| 803 | 313. | 0. | -308. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -324.8 | 324.8 | 0.00 |
| 804 | 308. | 0. | -304. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -320.1 | 320.1 | 0.00 |
| 805 | 304. | 0. | -299. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -315.3 | 315.3 | 0.00 |
| 806 | 299. | 0. | -294. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -310.5 | 310.5 | 0.00 |
| 807 | 294. | 0. | -289. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 3. | 0. | 0. | -305.7 | 305.7 | 0.00 |
| 808 | 289. | 0. | -284. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -300.9 | 300.9 | 0.00 |
| 809 | 284. | 0. | -279. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -296.1 | 296.1 | 0.00 |
| 810 | 279. | 0. | -275. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -291.3 | 291.3 | 0.00 |
| 811 | 275. | 0. | -270. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -286.5 | 286.5 | 0.00 |
| 812 | 270. | 0. | -265. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -281.7 | 281.7 | 0.00 |
| 813 | 265. | 0. | -260. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -276.8 | 276.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 814 | 260. | 0. | -255. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -272.0 | 272.0 | 0.00 |
| 815 | 255. | 0. | -250. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -13. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 2. | 0. | 0. | -267.1 | 267.1 | 0.00 |
| 816 | 250. | 0. | -245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -262.3 | 262.3 | 0.00 |
| 817 | 245. | 0. | -240. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -257.4 | 257.4 | 0.00 |
| 818 | 240. | 0. | -235. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -252.6 | 252.6 | 0.00 |
| 819 | 235. | 0. | -231. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -247.7 | 247.7 | 0.00 |
| 820 | 231. | 0. | -226. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -242.9 | 242.9 | 0.00 |
| 821 | 226. | 0. | -221. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -238.0 | 238.0 | 0.00 |
| 822 | 221. | 0. | -216. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -233.1 | 233.1 | 0.00 |
| 823 | 216. | 0. | -211. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 1. | 0. | 0. | -228.3 | 228.3 | 0.00 |
| 824 | 211. | 0. | -206. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | -223.4 | 223.4 | 0.00 |
| 825 | 206. | 0. | -201. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | -218.5 | 218.5 | 0.00 |
| 826 | 201. | 0. | -196. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | -213.7 | 213.7 | 0.00 |
| 827 | 196. | 0. | -191. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | -208.8 | 208.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | INCR IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 828 | 191. | 0. | -186. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -14. | -1. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 0. | -203.9 | 203.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 6: Upper Grand River #1

| IOR | UPMN ADV | UPTR ADV | UPTR ADV | LOWR DISP | UPMN DISP | UPTR DISP | LOWR IN | INCR OUT | INCR IN | NONP IN | WSLD OUT | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 879 | 1123. | 0. | -1077. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. | -78. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -1184.2 | 1184.2 | 0.00 |
| 880 | 1077. | 0. | -1033. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36. | -77. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -1139.0 | 1139.0 | 0.00 |
| 881 | 1033. | 0. | -991. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37. | -75. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -1096.0 | 1096.0 | 0.00 |
| 882 | 991. | 0. | -951. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38. | -74. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -1055.1 | 1055.1 | 0.00 |
| 883 | 951. | 0. | -914. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38. | -73. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -1016.3 | 1016.3 | 0.00 |
| 884 | 914. | 0. | -878. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | -72. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -979.5 | 979.5 | 0.00 |
| 885 | 878. | 0. | -844. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | -71. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -944.6 | 944.6 | 0.00 |
| 886 | 844. | 0. | -812. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | -70. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -911.7 | 911.7 | 0.00 |
| 887 | 812. | 0. | -782. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | -69. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -880.5 | 880.5 | 0.00 |
| 888 | 782. | 0. | -754. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | -68. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -851.2 | 851.2 | 0.00 |
| 889 | 754. | 0. | -727. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | -67. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -823.5 | 823.5 | 0.00 |
| 890 | 727. | 0. | -702. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -66. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -797.5 | 797.5 | 0.00 |
| 891 | 702. | 0. | -679. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -65. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 27. | 0. | 0. | -773.1 | 773.1 | 0.00 |
| 892 | 679. | 0. | -660. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -62. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 27. | 0. | 0. | -750.5 | 750.5 | 0.00 |
| 893 | 660. | 0. | -644. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -60. | 0. | 0. | 0. | -27. | 0. | 0. | 0. | 27. | 0. | 0. | -731.9 | 731.9 | 0.00 |
| 894 | 644. | 0. | -632. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -58. | 0. | 0. | 0. | -27. | 0. | 0. | 0. | 27. | 0. | 0. | -716.6 | 716.6 | 0.00 |
| 895 | 632. | 0. | -621. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -56. | 0. | 0. | 0. | -26. | 0. | 0. | 0. | 27. | 0. | 0. | -704.2 | 704.2 | 0.00 |
| 896 | 621. | 0. | -613. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -55. | 0. | 0. | 0. | -26. | 0. | 0. | 0. | 27. | 0. | 0. | -694.2 | 694.2 | 0.00 |
| 897 | 613. | 0. | -607. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -53. | 0. | 0. | 0. | -26. | 0. | 0. | 0. | 27. | 0. | 0. | -686.2 | 686.2 | 0.00 |
| 898 | 607. | 0. | -602. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -52. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 27. | 0. | 0. | -680.0 | 680.0 | 0.00 |
| 899 | 602. | 0. | -598. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -51. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 27. | 0. | 0. | -675.2 | 675.2 | 0.00 |
| 900 | 598. | 0. | -596. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -50. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 27. | 0. | 0. | -671.7 | 671.7 | 0.00 |
| 901 | 596. | 0. | -594. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -50. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 27. | 0. | 0. | -669.3 | 669.3 | 0.00 |
| 902 | 594. | 0. | -593. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -49. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 27. | 0. | 0. | -667.8 | 667.8 | 0.00 |
| 903 | 593. | 0. | -593. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -48. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 27. | 0. | 0. | -667.1 | 667.1 | 0.00 |
| 904 | 593. | 0. | -594. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -48. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 28. | 0. | 0. | -667.1 | 667.1 | 0.00 |
| 905 | 594. | 0. | -595. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -47. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 28. | 0. | 0. | -667.6 | 667.6 | 0.00 |
| 906 | 595. | 0. | -596. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -47. | 0. | 0. | 0. | -25. | 0. | 0. | 0. | 28. | 0. | 0. | -668.7 | 668.7 | 0.00 |
| 907 | 596. | 0. | -1048. | 0. | 0. | 0. | 0. | 0. | 0. | 460. | 0. | 45. | -52. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1129.2 | 1129.2 | 0.00 |
| 908 | 1048. | 0. | -1040. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -51. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1120.6 | 1120.6 | 0.00 |
| 909 | 1040. | 0. | -1033. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -51. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1112.9 | 1112.9 | 0.00 |
| 910 | 1033. | 0. | -1026. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -50. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1106.0 | 1106.0 | 0.00 |
| 911 | 1026. | 0. | -1021. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -50. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1099.9 | 1099.9 | 0.00 |
| 912 | 1021. | 0. | -1016. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -49. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1094.5 | 1094.5 | 0.00 |
| 913 | 1016. | 0. | -1012. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -48. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1089.8 | 1089.8 | 0.00 |
| 914 | 1012. | 0. | -1009. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -48. | -1. | 0. | 0. | -29. | 0. | 0. | 0. | 28. | 0. | 0. | -1085.9 | 1085.9 | 0.00 |
| 915 | 1009. | 0. | -1006. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -47. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1082.6 | 1082.6 | 0.00 |
| 916 | 1006. | 0. | -1004. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -47. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1080.1 | 1080.1 | 0.00 |
| 917 | 1004. | 0. | -1003. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -46. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1078.1 | 1078.1 | 0.00 |
| 918 | 1003. | 0. | -1002. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -46. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1076.8 | 1076.8 | 0.00 |
| 919 | 1002. | 0. | -1002. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -45. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1076.1 | 1076.1 | 0.00 |
| 920 | 1002. | 0. | -1002. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -45. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1075.9 | 1075.9 | 0.00 |
| 921 | 1002. | 0. | -1003. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -44. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1076.4 | 1076.4 | 0.00 |
| 922 | 1003. | 0. | -1005. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -43. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1077.4 | 1077.4 | 0.00 |
| 923 | 1005. | 0. | -1007. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -43. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1078.9 | 1078.9 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 924 | 1007. | 0. | -1009. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -42. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 28. | 0. | 0. | -1080.9 | 1080.9 | 0.00 |
| 925 | 1009. | 0. | -1012. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -42. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1083.4 | 1083.4 | 0.00 |
| 926 | 1012. | 0. | -1016. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -42. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1086.4 | 1086.4 | 0.00 |
| 927 | 1016. | 0. | -1020. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -41. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1089.9 | 1089.9 | 0.00 |
| 928 | 1020. | 0. | -1024. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | -41. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1093.8 | 1093.8 | 0.00 |
| 929 | 1024. | 0. | -1029. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -40. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1098.2 | 1098.2 | 0.00 |
| 930 | 1029. | 0. | -1034. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -40. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1102.9 | 1102.9 | 0.00 |
| 931 | 1034. | 0. | -1040. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -39. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1108.1 | 1108.1 | 0.00 |
| 932 | 1040. | 0. | -1046. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -39. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1113.7 | 1113.7 | 0.00 |
| 933 | 1046. | 0. | -1052. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -38. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1119.6 | 1119.6 | 0.00 |
| 934 | 1052. | 0. | -1059. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -38. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1125.9 | 1125.9 | 0.00 |
| 935 | 1059. | 0. | -1066. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -37. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1132.6 | 1132.6 | 0.00 |
| 936 | 1066. | 0. | -1073. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | -37. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1139.6 | 1139.6 | 0.00 |
| 937 | 1073. | 0. | -1081. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -36. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1146.9 | 1146.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 6: Upper Grand River #1

| IOR | UPMN ADV | UPTR ADV | UPTR ADV | LOWR DISP | UPMN DISP | UPTR DISP | LOWR IN | LOWR OUT | INCR IN | INCR IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 938 | 1081. | 0. | -1089. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -36. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1154.5 | 1154.5 | 0.00 | |
| 939 | 1089. | 0. | -1098. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -36. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1162.5 | 1162.5 | 0.00 | |
| 940 | 1098. | 0. | -1106. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -35. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1170.7 | 1170.7 | 0.00 | |
| 941 | 1106. | 0. | -1115. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | -35. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1179.2 | 1179.2 | 0.00 | |
| 942 | 1115. | 0. | -1124. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | -34. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1188.0 | 1188.0 | 0.00 | |
| 943 | 1124. | 0. | -1134. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | -34. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1197.0 | 1197.0 | 0.00 | |
| 944 | 1134. | 0. | -1144. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | -34. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1206.3 | 1206.3 | 0.00 | |
| 945 | 1144. | 0. | -1154. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | -33. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1215.8 | 1215.8 | 0.00 | |
| 946 | 1154. | 0. | -1164. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | -33. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 29. | 0. | 0. | -1225.6 | 1225.6 | 0.00 | |
| 947 | 1164. | 0. | -1174. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | -32. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1235.6 | 1235.6 | 0.00 | |
| 948 | 1174. | 0. | -1185. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | -32. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1245.8 | 1245.8 | 0.00 | |
| 949 | 1185. | 0. | -1195. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | -32. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1256.2 | 1256.2 | 0.00 | |
| 950 | 1195. | 0. | -1206. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | -31. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1266.8 | 1266.8 | 0.00 | |
| 951 | 1206. | 0. | -1218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | -31. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1277.6 | 1277.6 | 0.00 | |
| 952 | 1218. | 0. | -1229. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | -31. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1288.5 | 1288.5 | 0.00 | |
| 953 | 1229. | 0. | -1240. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | -30. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1299.6 | 1299.6 | 0.00 | |
| 954 | 1240. | 0. | -1252. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | -30. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1310.9 | 1310.9 | 0.00 | |
| 955 | 1252. | 0. | -1264. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | -30. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1322.4 | 1322.4 | 0.00 | |
| 956 | 1264. | 0. | -1276. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | -29. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1334.0 | 1334.0 | 0.00 | |
| 957 | 1276. | 0. | -1288. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | -29. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1345.7 | 1345.7 | 0.00 | |
| 958 | 1288. | 0. | -1300. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | -29. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1357.6 | 1357.6 | 0.00 | |
| 959 | 1300. | 0. | -1312. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | -28. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1369.6 | 1369.6 | 0.00 | |
| 960 | 1312. | 0. | -1325. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | -28. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1381.7 | 1381.7 | 0.00 | |
| 961 | 1325. | 0. | -1337. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | -28. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1393.9 | 1393.9 | 0.00 | |
| 962 | 1337. | 0. | -1350. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | -27. | -1. | 0. | 0. | -28. | 0. | 0. | 0. | 30. | 0. | 0. | -1406.3 | 1406.3 | 0.00 | |
| 1007 | 1350. | 659. | -2021. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -23. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 25. | 0. | 0. | -2064.4 | 2064.4 | 0.00 | |
| 1008 | 2021. | 0. | -2032. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -23. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 24. | 0. | 0. | -2075.3 | 2075.3 | 0.00 | |
| 1009 | 2032. | 0. | -2042. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -23. | -1. | 0. | 0. | -20. | 0. | 0. | 0. | 23. | 0. | 0. | -2085.7 | 2085.7 | 0.00 | |
| 1010 | 2042. | 0. | -2052. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 23. | 0. | 0. | -2095.5 | 2095.5 | 0.00 | |
| 1011 | 2052. | 0. | -2062. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 22. | 0. | 0. | -2104.7 | 2104.7 | 0.00 | |
| 1012 | 2062. | 0. | -2071. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 21. | 0. | 0. | -2113.3 | 2113.3 | 0.00 | |
| 1013 | 2071. | 0. | -2079. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 21. | 0. | 0. | -2121.4 | 2121.4 | 0.00 | |
| 1014 | 2079. | 0. | -2087. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 20. | 0. | 0. | -2129.0 | 2129.0 | 0.00 | |
| 1015 | 2087. | 0. | -2094. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 19. | 0. | 0. | -2136.0 | 2136.0 | 0.00 | |
| 1016 | 2094. | 0. | -2100. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 19. | 0. | 0. | -2142.5 | 2142.5 | 0.00 | |
| 1017 | 2100. | 0. | -2107. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 18. | 0. | 0. | -2148.4 | 2148.4 | 0.00 | |
| 1018 | 2107. | 0. | -2112. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 17. | 0. | 0. | -2153.8 | 2153.8 | 0.00 | |
| 1019 | 2112. | 0. | -2117. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 17. | 0. | 0. | -2158.8 | 2158.8 | 0.00 | |
| 1020 | 2117. | 0. | -2122. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 16. | 0. | 0. | -2163.2 | 2163.2 | 0.00 | |
| 1021 | 2122. | 0. | -2126. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 16. | 0. | 0. | -2167.1 | 2167.1 | 0.00 | |
| 1022 | 2126. | 0. | -2130. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 15. | 0. | 0. | -2170.5 | 2170.5 | 0.00 | |
| 1023 | 2130. | 0. | -2133. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 14. | 0. | 0. | -2173.4 | 2173.4 | 0.00 | |
| 1024 | 2133. | 0. | -2135. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 14. | 0. | 0. | -2175.9 | 2175.9 | 0.00 | |
| 1025 | 2135. | 0. | -2137. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 13. | 0. | 0. | -2177.8 | 2177.8 | 0.00 | |
| 1026 | 2137. | 0. | -2139. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 12. | 0. | 0. | -2179.3 | 2179.3 | 0.00 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1027 | 2139. | 0. | -2140. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 12. | 0. | 0. | -2180.3 | 2180.3 | 0.00 |
| 1028 | 2140. | 0. | -2141. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 11. | 0. | 0. | -2180.9 | 2180.9 | 0.00 |
| 1029 | 2141. | 0. | -2141. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 10. | 0. | 0. | -2181.0 | 2181.0 | 0.00 |
| 1030 | 2141. | 0. | -2141. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 10. | 0. | 0. | -2180.7 | 2180.7 | 0.00 |
| 1031 | 2141. | 0. | -2140. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 9. | 0. | 0. | -2179.9 | 2179.9 | 0.00 |
| 1032 | 2140. | 0. | -2139. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 9. | 0. | 0. | -2178.7 | 2178.7 | 0.00 |
| 1033 | 2139. | 0. | -2138. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 8. | 0. | 0. | -2177.1 | 2177.1 | 0.00 |
| 1034 | 2138. | 0. | -2136. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 7. | 0. | 0. | -2175.0 | 2175.0 | 0.00 |
| 1035 | 2136. | 0. | -2134. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 7. | 0. | 0. | -2172.5 | 2172.5 | 0.00 |
| 1036 | 2134. | 0. | -2131. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 6. | 0. | 0. | -2169.6 | 2169.6 | 0.00 |
| 1037 | 2131. | 0. | -2128. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -19. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 6. | 0. | 0. | -2166.3 | 2166.3 | 0.00 |
| 1038 | 2128. | 0. | -2124. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 5. | 0. | 0. | -2162.5 | 2162.5 | 0.00 |
| 1039 | 2124. | 0. | -2120. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 4. | 0. | 0. | -2158.4 | 2158.4 | 0.00 |
| 1040 | 2120. | 0. | -2116. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 4. | 0. | 0. | -2153.9 | 2153.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 6: Upper Grand River #1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1041 | 2116. | 0. | -2111. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 3. | 0. | 0. | -2149.0 | 2149.0 | 0.00 |
| 1042 | 2111. | 0. | -2106. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 2. | 0. | 0. | -2143.7 | 2143.7 | 0.00 |
| 1043 | 2106. | 0. | -2100. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 2. | 0. | 0. | -2138.0 | 2138.0 | 0.00 |
| 1044 | 2100. | 0. | -2095. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 1. | 0. | 0. | -2131.9 | 2131.9 | 0.00 |
| 1045 | 2095. | 0. | -2088. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -18. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 1. | 0. | 0. | -2125.5 | 2125.5 | 0.00 |
| 1046 | 2088. | 0. | -2082. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -17. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | -2118.7 | 2118.7 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 7: Lower Flat River

| IOR | UPMN ADV | UPTR ADV | ADV | LOWR DISP | UPMN DISP | UPTR DISP | LOWR IN | OUT | INCR IN | IN | NONP OUT | IN | WSLD DECA | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 963 | 936. | 0. | -905. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -29. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | -951.1 | 951.1 | 0.00 | | |
| 964 | 905. | 0. | -876. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -29. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 1. | 0. | 0. | -921.6 | 921.6 | 0.00 | | |
| 965 | 876. | 0. | -849. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -29. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 1. | 0. | 0. | -894.0 | 894.0 | 0.00 | | |
| 966 | 849. | 0. | -824. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -28. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 1. | 0. | 0. | -868.2 | 868.2 | 0.00 | | |
| 967 | 824. | 0. | -800. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -28. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 2. | 0. | 0. | -844.0 | 844.0 | 0.00 | | |
| 968 | 800. | 0. | -778. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -27. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 2. | 0. | 0. | -821.5 | 821.5 | 0.00 | | |
| 969 | 778. | 0. | -757. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -27. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 3. | 0. | 0. | -800.5 | 800.5 | 0.00 | | |
| 970 | 757. | 0. | -738. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -27. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 3. | 0. | 0. | -781.0 | 781.0 | 0.00 | | |
| 971 | 738. | 0. | -720. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -26. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 3. | 0. | 0. | -762.9 | 762.9 | 0.00 | | |
| 972 | 720. | 0. | -704. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -26. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 4. | 0. | 0. | -746.2 | 746.2 | 0.00 | | |
| 973 | 704. | 0. | -689. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -26. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 4. | 0. | 0. | -730.8 | 730.8 | 0.00 | | |
| 974 | 689. | 0. | -675. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -25. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 4. | 0. | 0. | -716.6 | 716.6 | 0.00 | | |
| 975 | 675. | 0. | -662. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -25. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 5. | 0. | 0. | -703.7 | 703.7 | 0.00 | | |
| 976 | 662. | 0. | -651. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -24. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 5. | 0. | 0. | -691.9 | 691.9 | 0.00 | | |
| 977 | 651. | 0. | -641. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -24. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 5. | 0. | 0. | -681.2 | 681.2 | 0.00 | | |
| 978 | 641. | 0. | -631. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -24. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 6. | 0. | 0. | -671.6 | 671.6 | 0.00 | | |
| 979 | 631. | 0. | -623. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -23. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 6. | 0. | 0. | -663.0 | 663.0 | 0.00 | | |
| 980 | 623. | 0. | -616. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -23. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 6. | 0. | 0. | -655.3 | 655.3 | 0.00 | | |
| 981 | 616. | 0. | -609. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -23. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 7. | 0. | 0. | -648.6 | 648.6 | 0.00 | | |
| 982 | 609. | 0. | -604. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -22. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 7. | 0. | 0. | -642.8 | 642.8 | 0.00 | | |
| 983 | 604. | 0. | -599. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -22. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 8. | 0. | 0. | -637.9 | 637.9 | 0.00 | | |
| 984 | 599. | 0. | -595. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -22. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 8. | 0. | 0. | -633.7 | 633.7 | 0.00 | | |
| 985 | 595. | 0. | -592. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -22. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 8. | 0. | 0. | -630.4 | 630.4 | 0.00 | | |
| 986 | 592. | 0. | -590. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -21. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 9. | 0. | 0. | -627.8 | 627.8 | 0.00 | | |
| 987 | 590. | 0. | -588. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -21. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 9. | 0. | 0. | -625.9 | 625.9 | 0.00 | | |
| 988 | 588. | 0. | -587. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -21. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 9. | 0. | 0. | -624.7 | 624.7 | 0.00 | | |
| 989 | 587. | 0. | -587. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -20. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 10. | 0. | 0. | -624.2 | 624.2 | 0.00 | | |
| 990 | 587. | 0. | -588. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -20. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 10. | 0. | 0. | -624.3 | 624.3 | 0.00 | | |
| 991 | 588. | 0. | -589. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -20. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 10. | 0. | 0. | -625.0 | 625.0 | 0.00 | | |
| 992 | 589. | 0. | -590. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -19. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 11. | 0. | 0. | -626.2 | 626.2 | 0.00 | | |
| 993 | 590. | 0. | -592. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -19. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 11. | 0. | 0. | -628.0 | 628.0 | 0.00 | | |
| 994 | 592. | 0. | -595. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -19. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 12. | 0. | 0. | -630.4 | 630.4 | 0.00 | | |
| 995 | 595. | 0. | -598. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -19. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 12. | 0. | 0. | -633.2 | 633.2 | 0.00 | | |
| 996 | 598. | 0. | -601. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -18. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 12. | 0. | 0. | -636.6 | 636.6 | 0.00 | | |
| 997 | 601. | 0. | -605. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -18. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 13. | 0. | 0. | -640.3 | 640.3 | 0.00 | | |
| 998 | 605. | 0. | -610. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -18. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 13. | 0. | 0. | -644.5 | 644.5 | 0.00 | | |
| 999 | 610. | 0. | -615. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -18. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 13. | 0. | 0. | -649.2 | 649.2 | 0.00 | | |
| 1000 | 615. | 0. | -620. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | -17. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 14. | 0. | 0. | -654.2 | 654.2 | 0.00 | | |
| 1001 | 620. | 0. | -626. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -17. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 14. | 0. | 0. | -659.6 | 659.6 | 0.00 | | |
| 1002 | 626. | 0. | -632. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -17. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 15. | 0. | 0. | -665.4 | 665.4 | 0.00 | | |
| 1003 | 632. | 0. | -638. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -17. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 15. | 0. | 0. | -671.5 | 671.5 | 0.00 | | |
| 1004 | 638. | 0. | -645. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -16. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 15. | 0. | 0. | -678.0 | 678.0 | 0.00 | | |
| 1005 | 645. | 0. | -652. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -16. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 16. | 0. | 0. | -684.7 | 684.7 | 0.00 | | |
| 1006 | 652. | 0. | -659. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -16. | 0. | 0. | 0. | -16. | 0. | 0. | 0. | 16. | 0. | 0. | -691.8 | 691.8 | 0.00 | | |

LA-QUAL Model for Upper Terrebonne
Calibration Simulation for Upper Terrebonne model

INPUT/OUTPUT LOADING SUMMARY

| | FLOW m≥/s | DO kg/d | BOD#1 kg/d | BOD#2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | PHOS | CHL A | NCM |
|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 14.371 | 7182.1 | 9462.2 | 0.0 | 1565.5 | 36.2 | 1769.4 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL INFLOW | 0.780 | 273.6 | 1103.7 | 0.0 | 122.8 | 0.0 | 16.3 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL OUTFLOW | 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WASTELOADS | 3.074 | 930.2 | 1940.8 | 0.0 | 326.1 | 83.2 | 78.3 | 0.0 | 0.0 | 0.0 |
| WITHDRAWLS | 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FLOW THRU LOWER BNDRY | -18.226 | -4851.9 | -3742.6 | 0.0 | -2612.3 | -157.4 | -1895.6 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU LOWER BNDRY | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU HDWTR BNDRY | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NON-POINT INPUT | | 0.0 | 7420.0 | 0.0 | 1050.0 | | | 0.0 | | |
| NATURAL REAERATION | | 18077.4 | | | | | | | | |
| DAM REAERATION | | 0.0 | | | | | | | | |
| BACKGROUND SOD | | -11283.5 | | | | | | | | |
| BOD#1 DECAY | | -16184.1 | -16184.1 | | | | | | | |
| BOD#1 SETTLING | | 0.0 | 0.0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | | 0.0 | | | | | | |
| BOD#2 DECAY | | 0.0 | | 0.0 | | | | | | |
| BOD#2 SETTLING | | 0.0 | | 0.0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | | 0.0 | | | | | |
| ORG-N DECAY | | 0.0 | | | -452.0 | 452.0 | | | | |
| ORG-N SETTLING | | | | | 0.0 | 0.0 | | | | |
| NH3 DECAY | | -1792.9 | | | | -414.1 | 414.1 | | | |
| BACKGROUND NH3 SOURCE | | | | | | | 0.0 | | | |
| OTHER DENITRIFICATION | | | | | | | | 0.0 | | |
| PHOSPHORUS SOURCE | | | | | | | | | 0.0 | |
| ALGAE PHOTOSYNTHESIS | | | 7648.9 | | | | | 0.0 | -382.4 | 0.0 |
| ALGAE RESPIRATION | | | 0.0 | | | | 0.0 | | 0.0 | 0.0 |
| ALGAE SETTLING | | | 0.0 | | | | | | 0.0 | |
| MACRO PHOTOSYNTHESIS | | | | 0.0 | | | | 0.0 | 0.0 | 0.0 |
| NCM DECAY | | | 0.0 | | | | | | | 0.0 |
| NCM SETTLING | | | 0.0 | | | | | | | 0.0 |
| TOTAL INPUTS | 18.226 | 34112.2 | 19926.6 | 0.0 | 3064.3 | 571.4 | 2278.1 | 0.0 | 0.0 | 0.0 |
| TOTAL OUTPUTS | -18.226 | -34112.3 | -19926.7 | 0.0 | -3064.3 | -571.4 | -2278.1 | 0.0 | 0.0 | 0.0 |
| NET CONVERGENCE ERROR | | 0.000 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

.....EXECUTION COMPLETED

# APPENDIX F:
# PLOTS OF CALIBRATED AND OBSERVED WATER QUALITY


Figure F-1. Temperature calibration results for subsegment 120102 ..... 1
Figure F-2. Ammonia calibration results for subsegment 120102 ..... 1
Figure F-3. BOD calibration results for subsegment 120102 ..... 2
Figure F-4. DO calibration results for subsegment 120102 ..... 2
Figure F-5. Temperature calibration results for subsegment 120103 ..... 3
Figure F-6. Ammonia calibration results for subsegment 120103 ..... 3
Figure F-7. BOD calibration results for subsegment 120103 ..... 4
Figure F-8. DO calibration results for subsegment 120103 ..... 4
Figure F-9. Temperature calibration results for subsegment 120105 ..... 5
Figure F-10. Ammonia calibration results for subsegment 120105 ..... 5
Figure F-11. BOD calibration results for subsegment 120105 ..... 6
Figure F-12. DO calibration results for subsegment 120105 ..... 6
Figure F-13. Temperature calibration results for subsegment 120106 ..... 7
Figure F-14. Ammonia calibration results for subsegment 120106 ..... 7
Figure F-15. BOD calibration results for subsegment 120106 ..... 8
Figure F-16. DO calibration results for subsegment 120106 ..... 8
Figure F-17. Temperature calibration results for subsegment 120107 ..... 9
Figure F-18. Ammonia calibration results for subsegment 120107 ..... 9
Figure F-19. BOD calibration results for subsegment 120107 ..... 10
Figure F-20. DO calibration results for subsegment 120107 ..... 10
Figure F-21. Temperature calibration results for subsegment 120109 ..... 11
Figure F-22. Ammonia calibration results for subsegment 120109 ..... 11
Figure 23. BOD calibration results for subsegment 120109 ..... 12
Figure F-24. DO calibration results for subsegment 120109 ..... 12
Figure F-25. Temperature calibration results for subsegment 120110 ..... 13
Figure F-26. Ammonia calibration results for subsegment 120110 ..... 13
Figure F-27. BOD calibration results for subsegment 120110 ..... 14
Figure F-28. DO calibration results for subsegment 120110 ..... 14

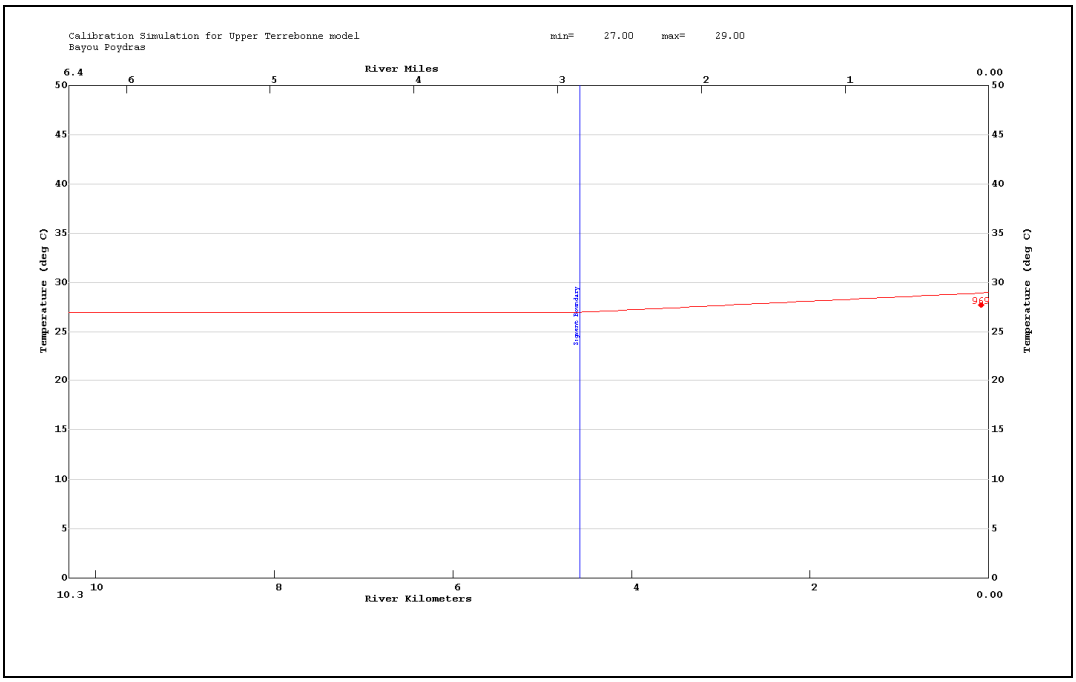


**Figure F-1. Temperature calibration results for subsegment 120102**

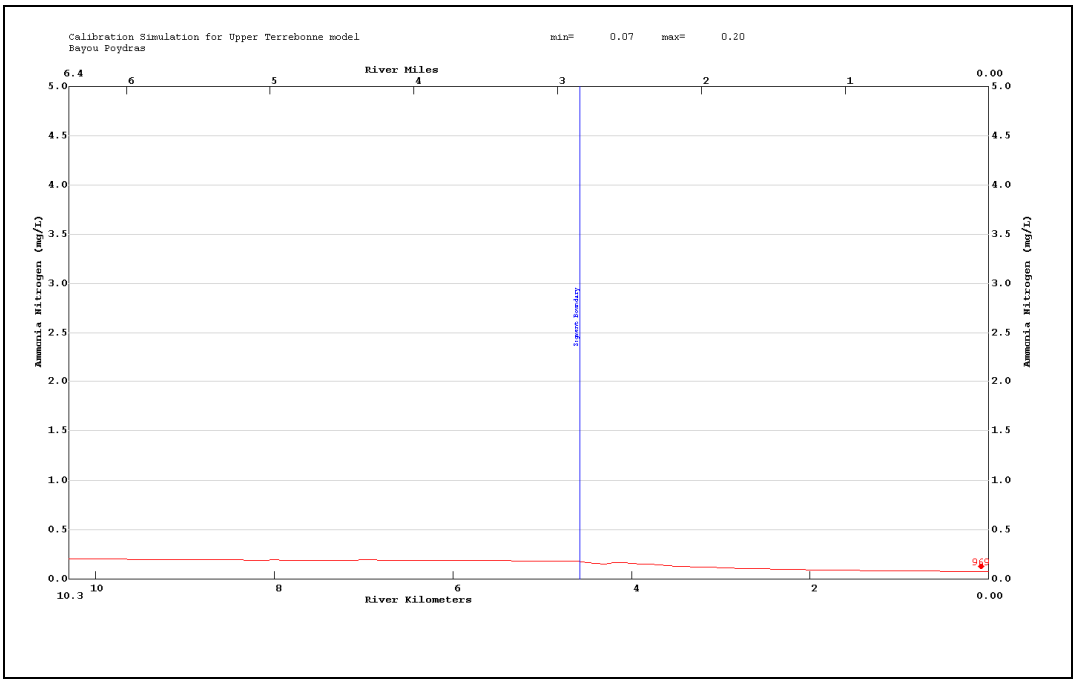


**Figure F-2. Ammonia calibration results for subsegment 120102**

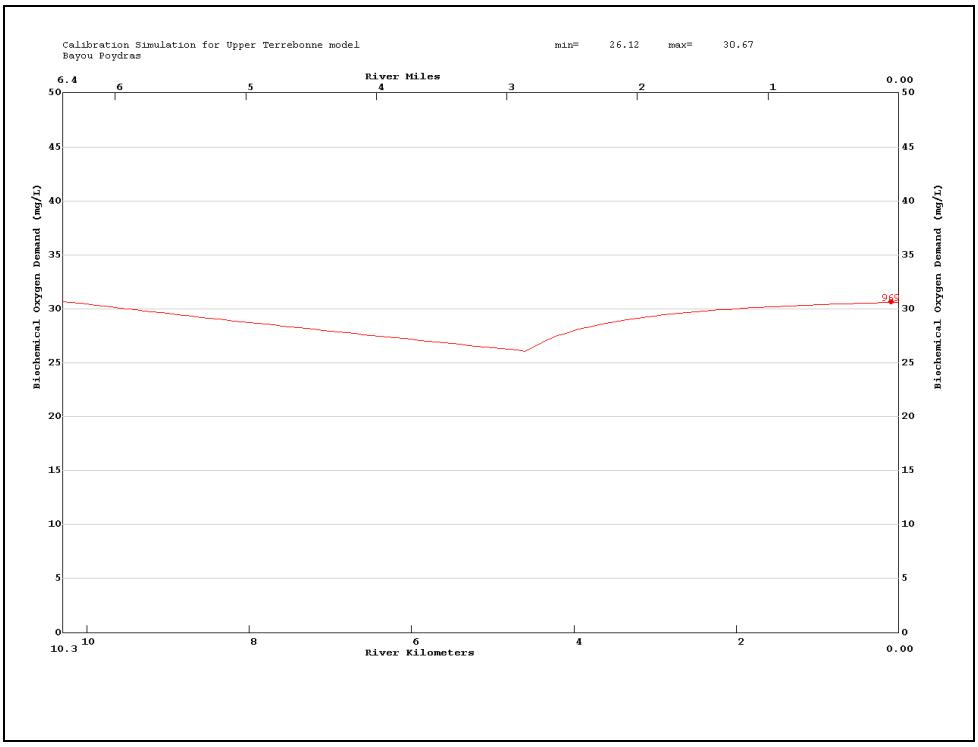


**Figure F-3. BOD calibration results for subsegment 120102**

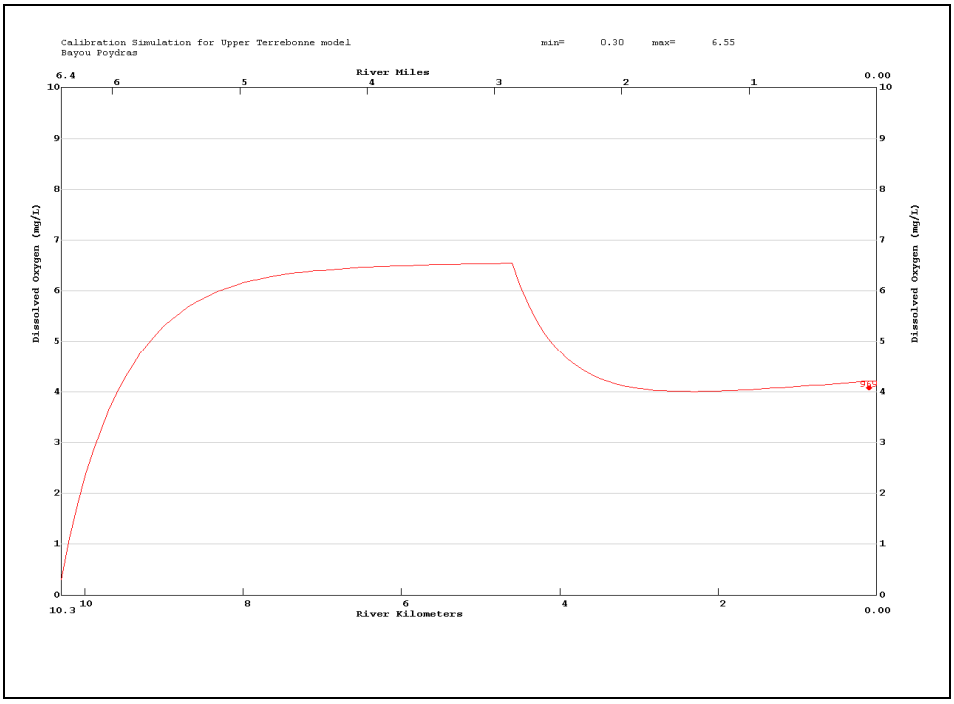


**Figure F-4. DO calibration results for subsegment 120102**

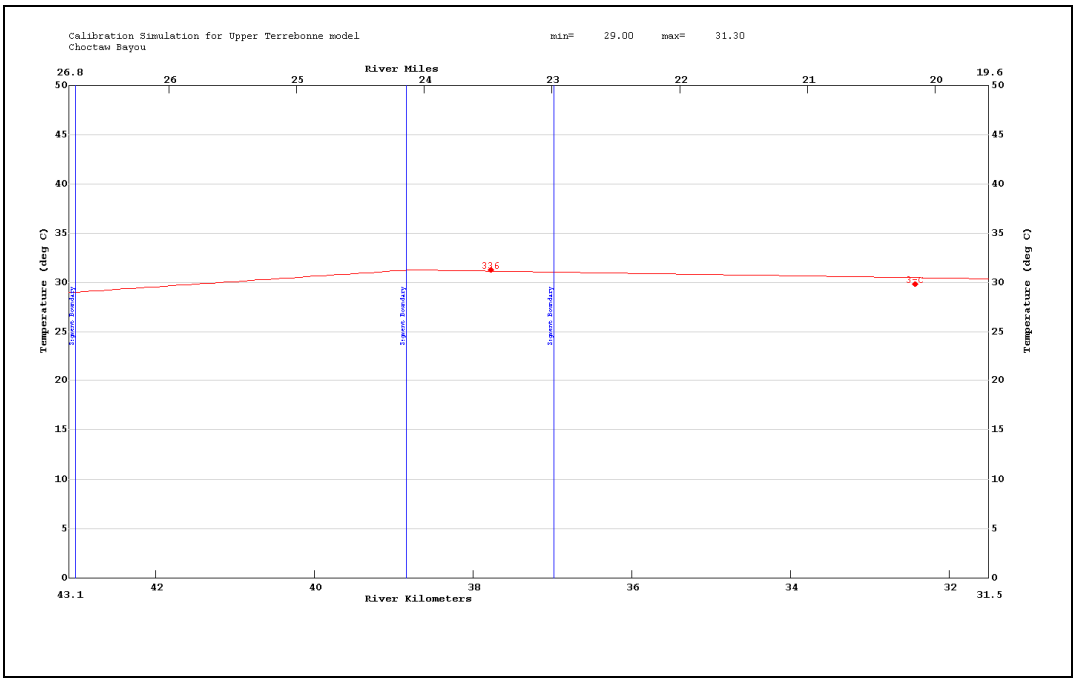


**Figure F-5. Temperature calibration results for subsegment 120103**

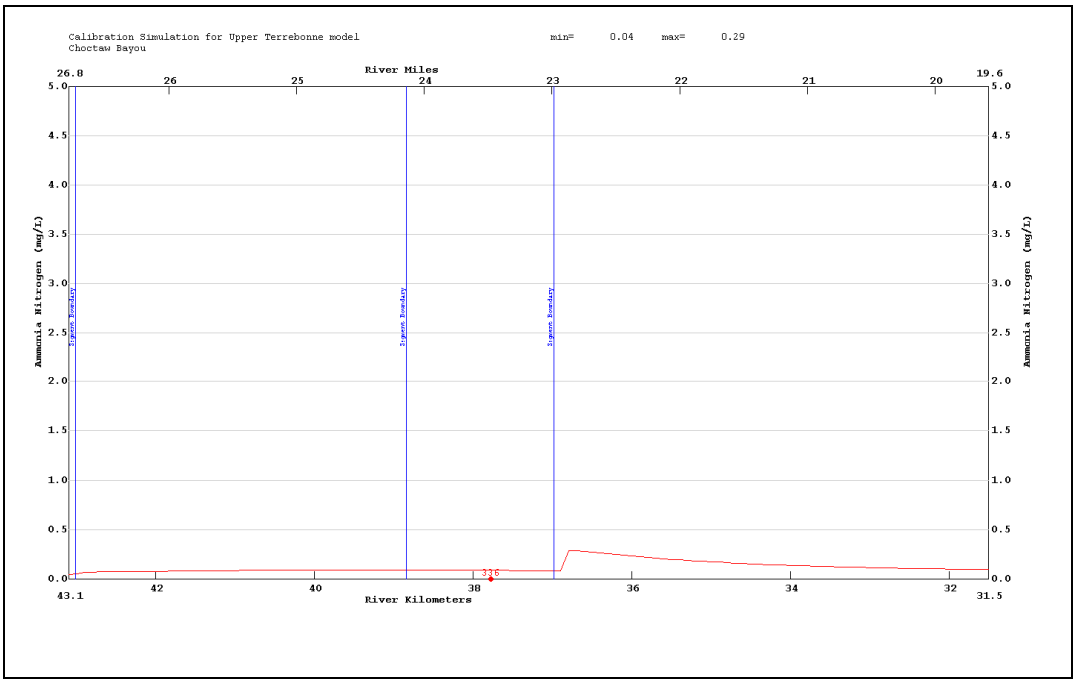


**Figure F-6. Ammonia calibration results for subsegment 120103**

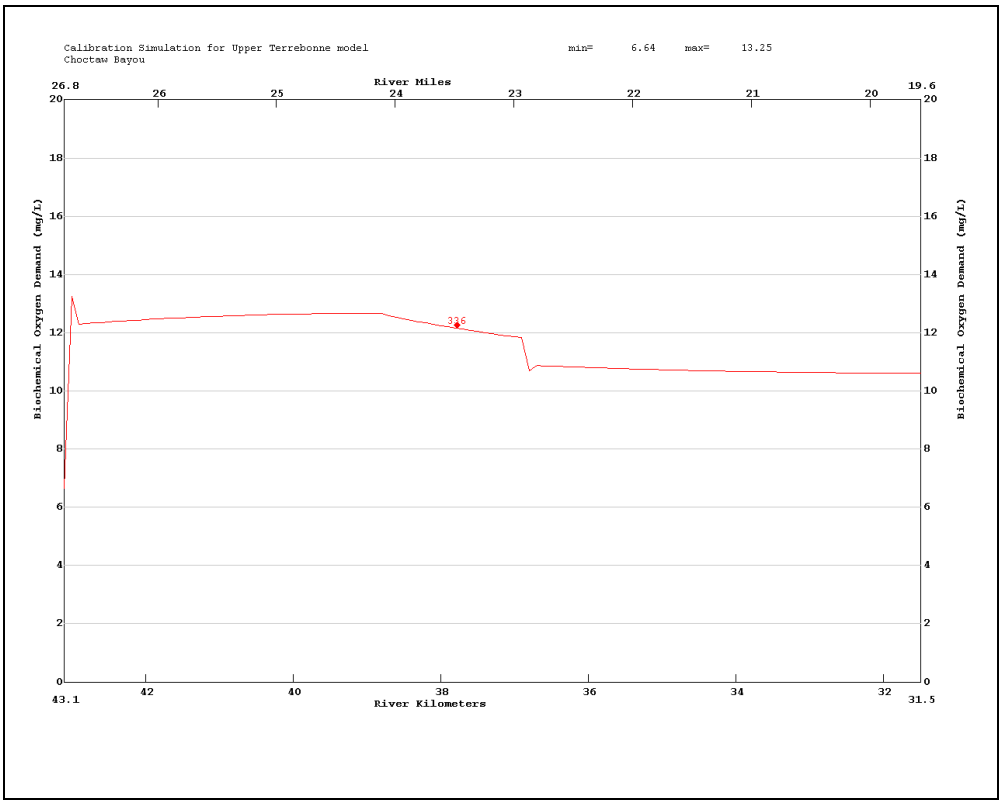


**Figure F-7. BOD calibration results for subsegment 120103**

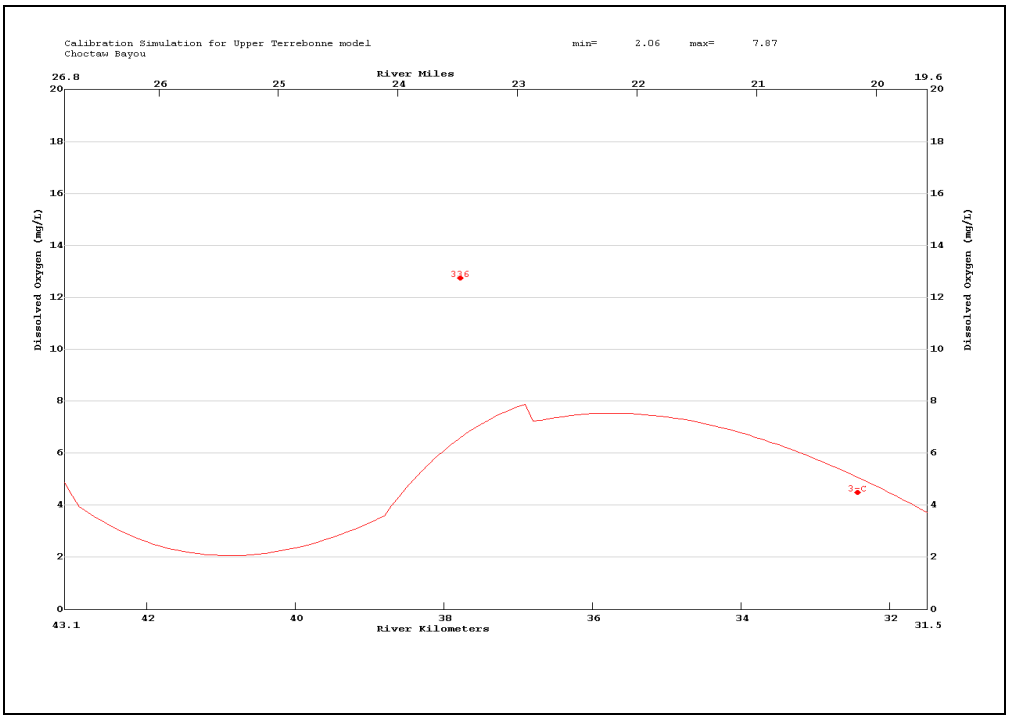


**Figure F-8. DO calibration results for subsegment 120103**

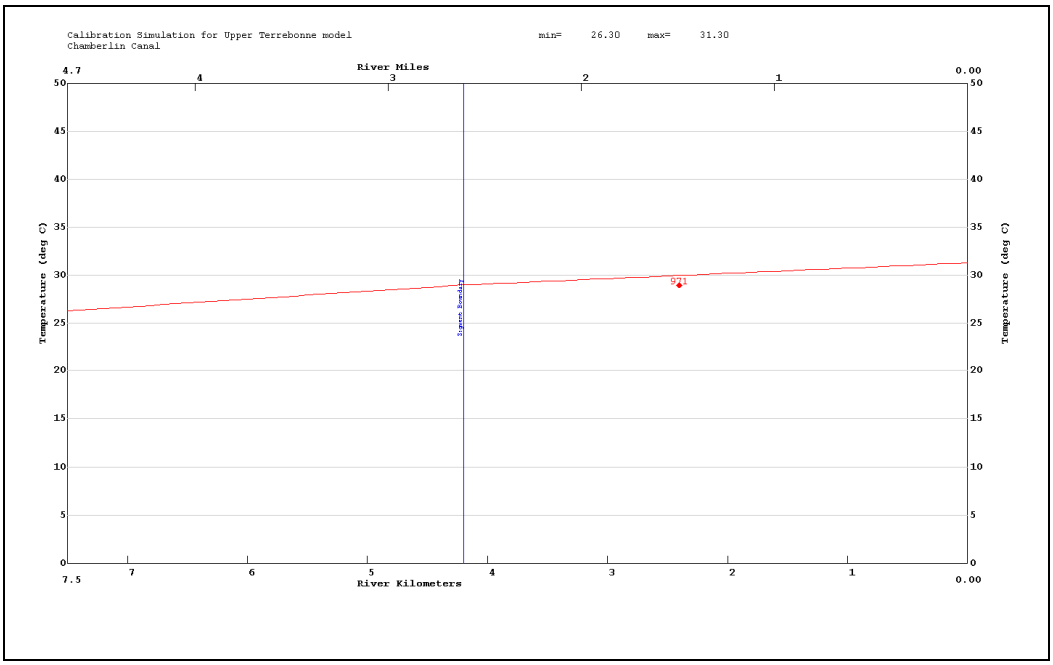


**Figure F-9. Temperature calibration results for subsegment 120105**

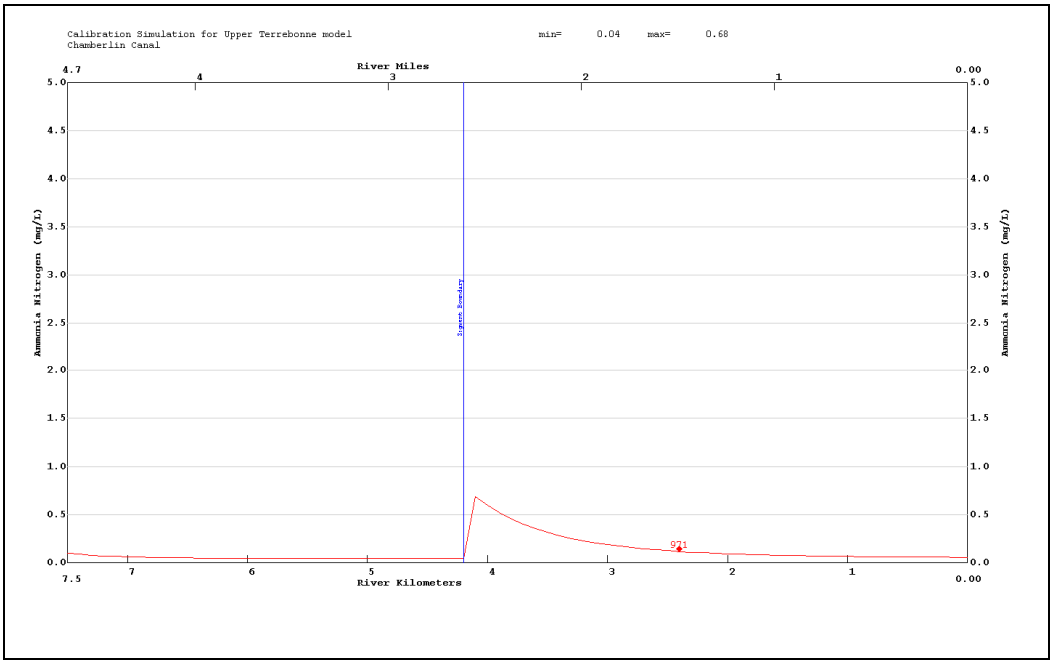


**Figure F-10. Ammonia calibration results for subsegment 120105**

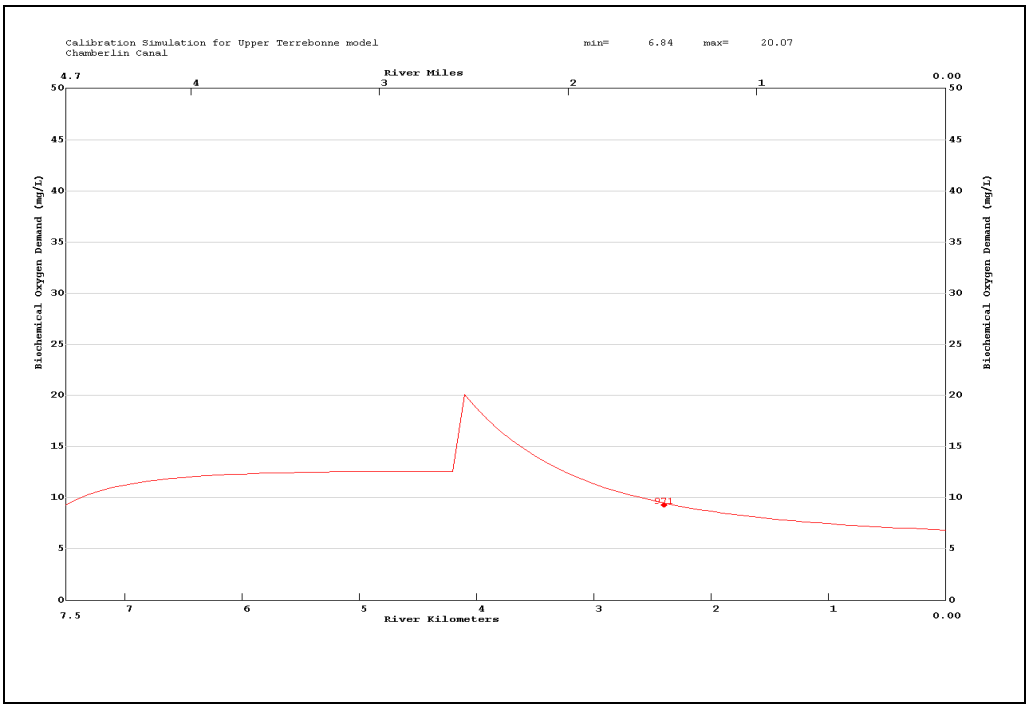


**Figure F-11. BOD calibration results for subsegment 120105**

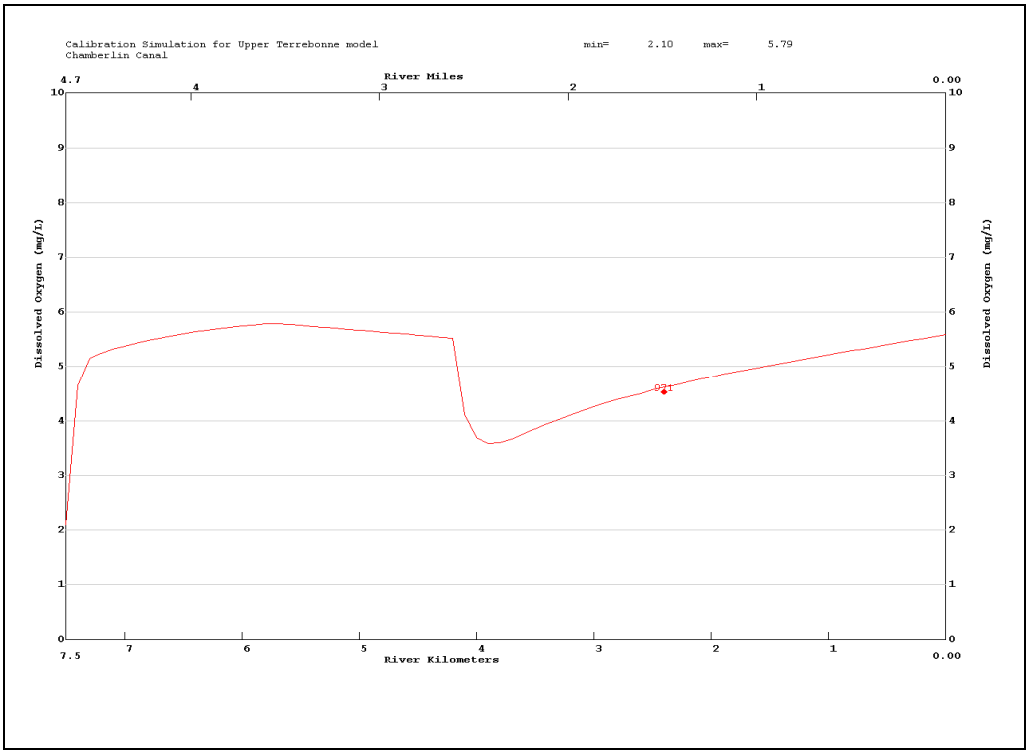


**Figure F-12. DO calibration results for subsegment 120105**

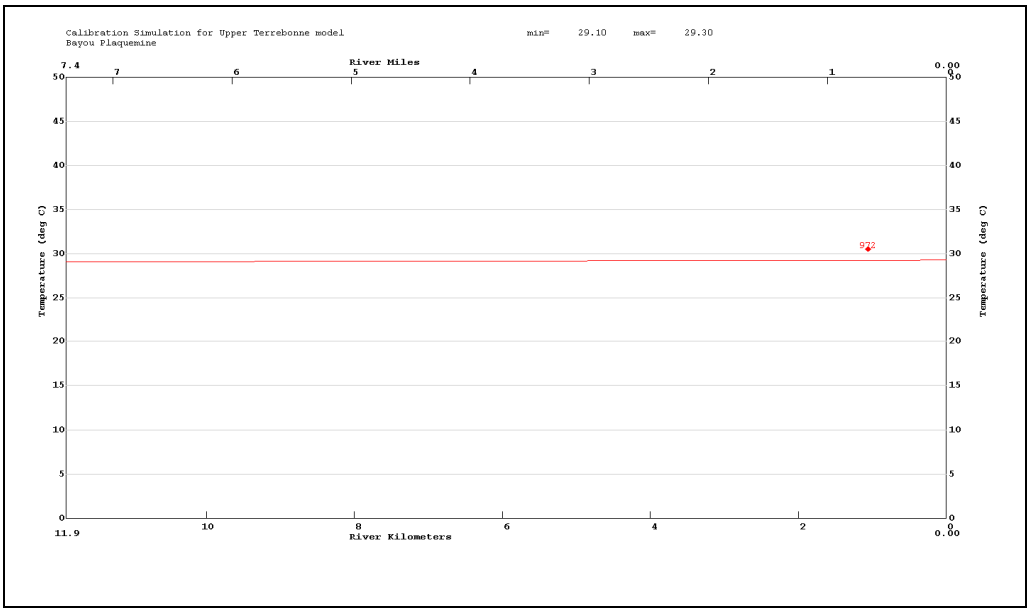


**Figure F-13. Temperature calibration results for subsegment 120106**

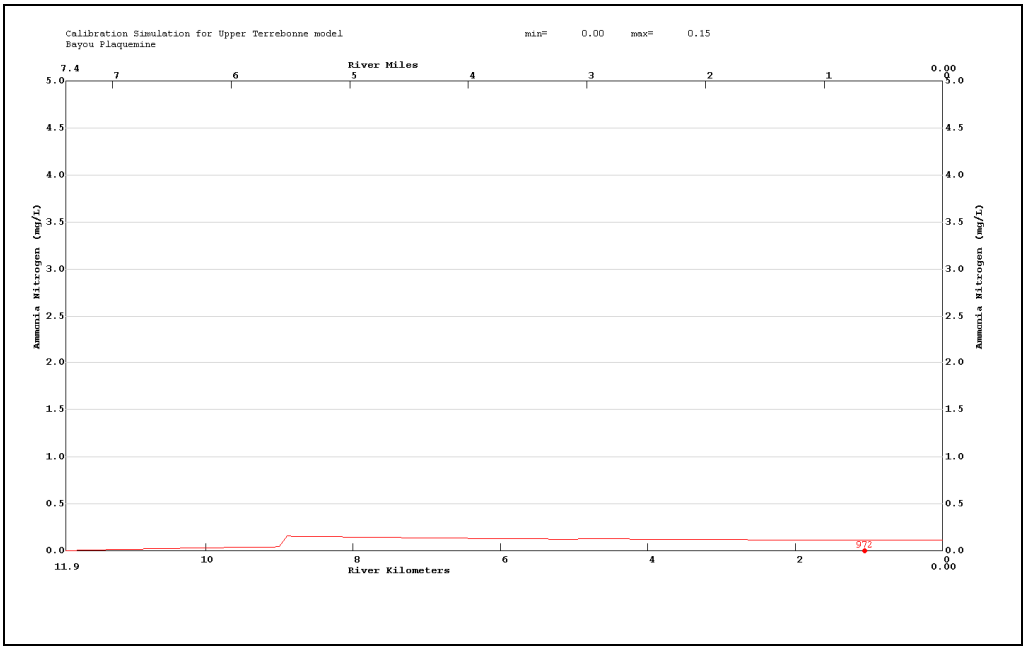


**Figure F-14. Ammonia calibration results for subsegment 120106**

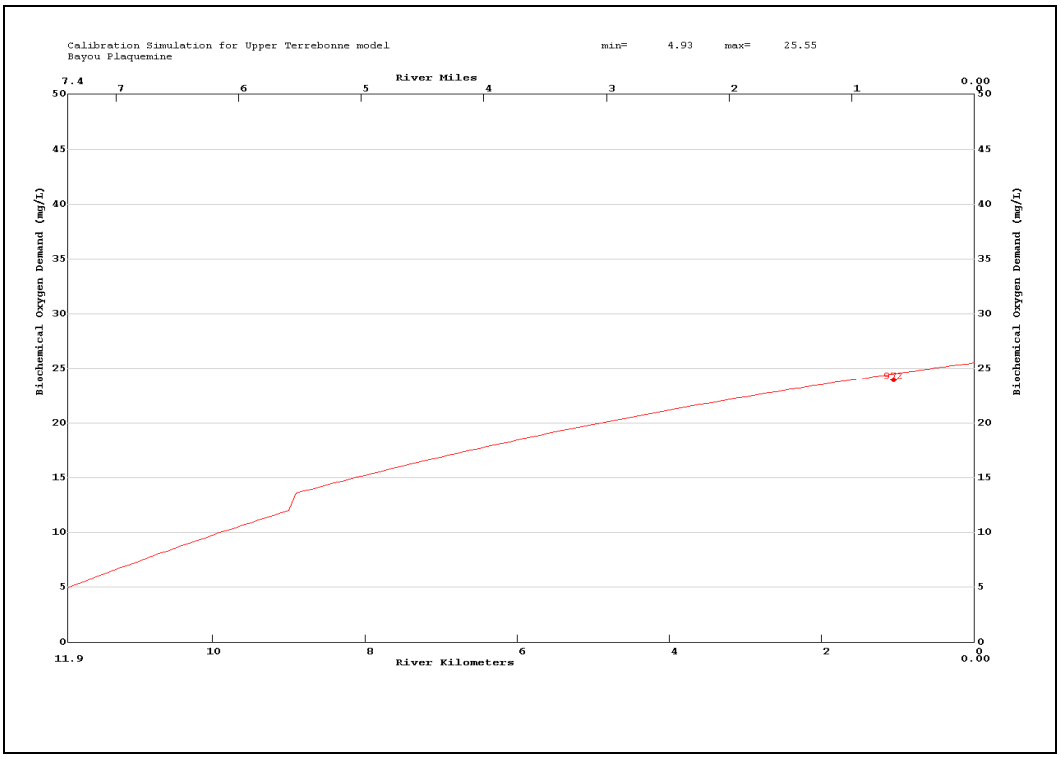


**Figure F-15. BOD calibration results for subsegment 120106**

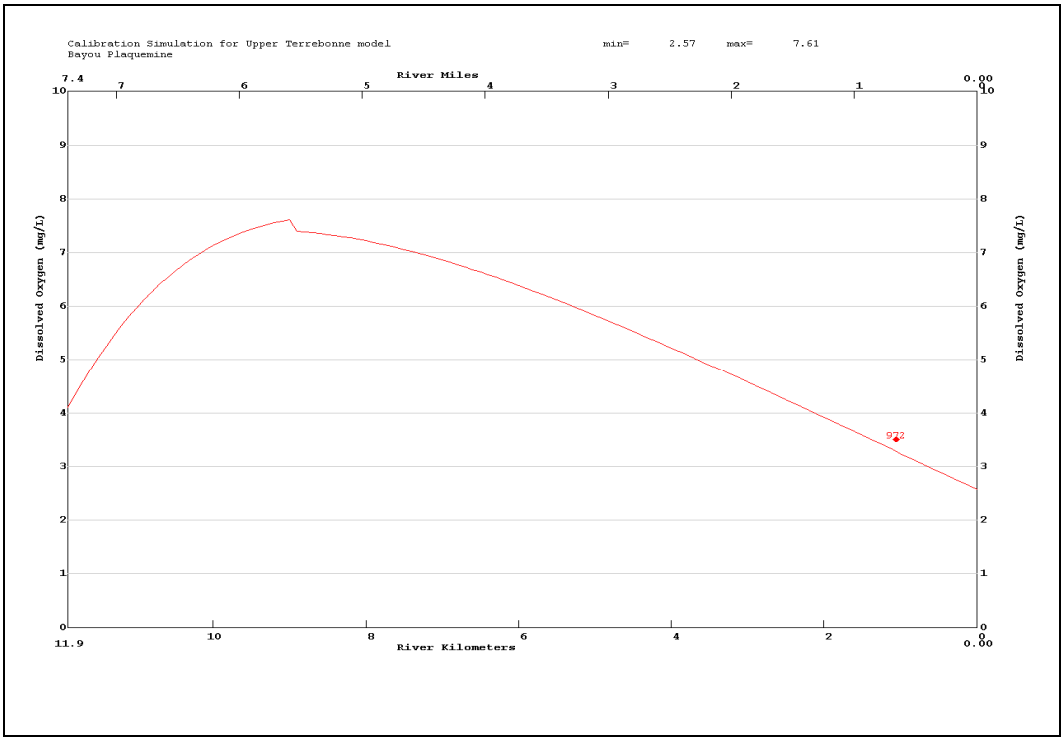


**Figure F-16. DO calibration results for subsegment 120106**

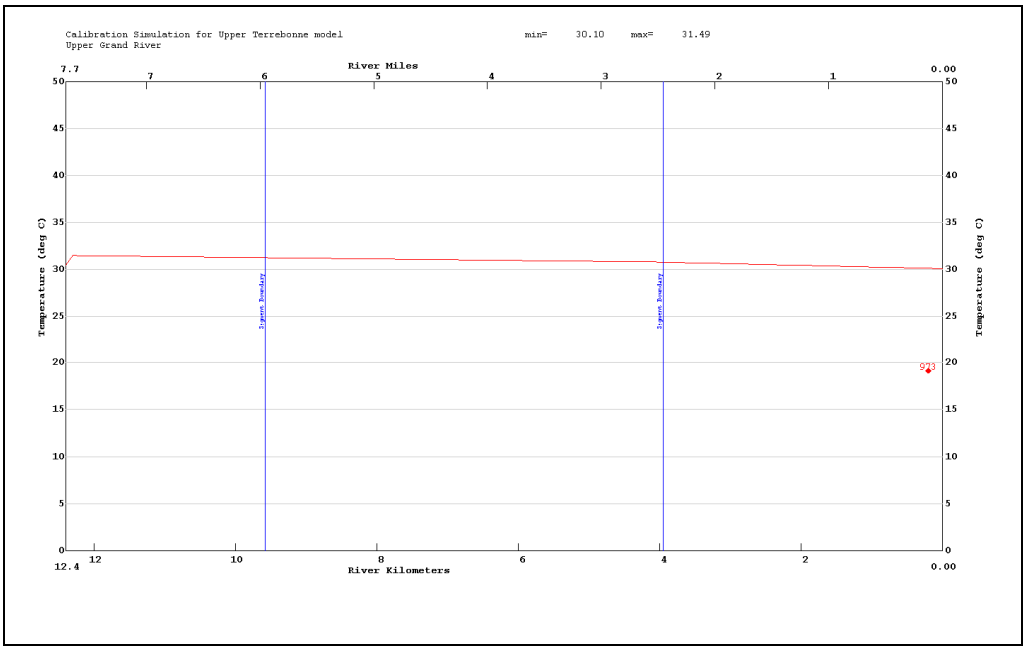


**Figure F-17. Temperature calibration results for subsegment 120107**

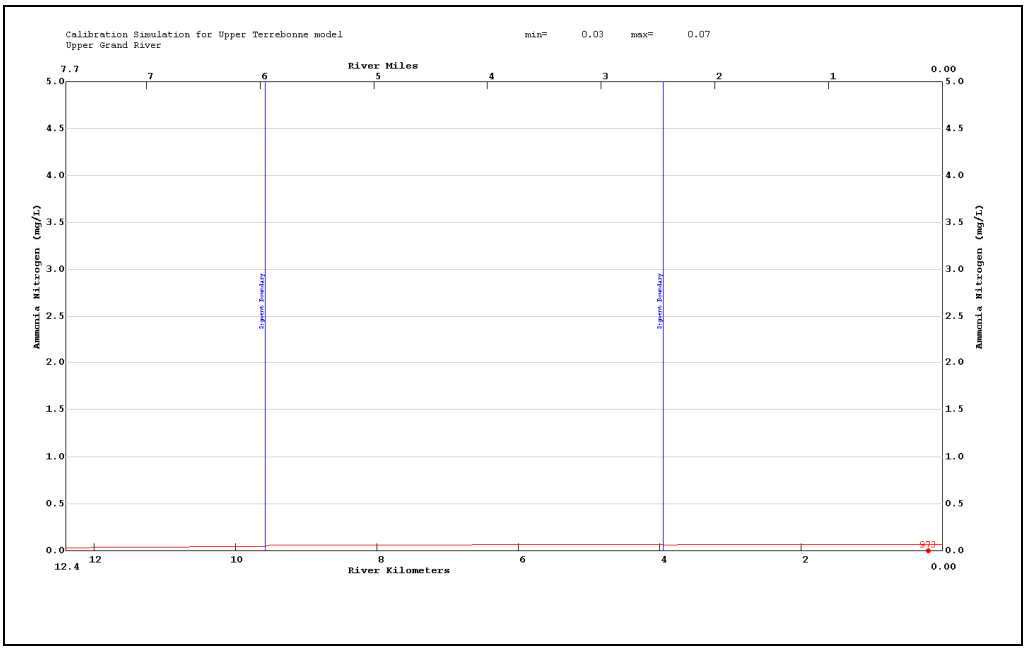


**Figure F-18. Ammonia calibration results for subsegment 120107**

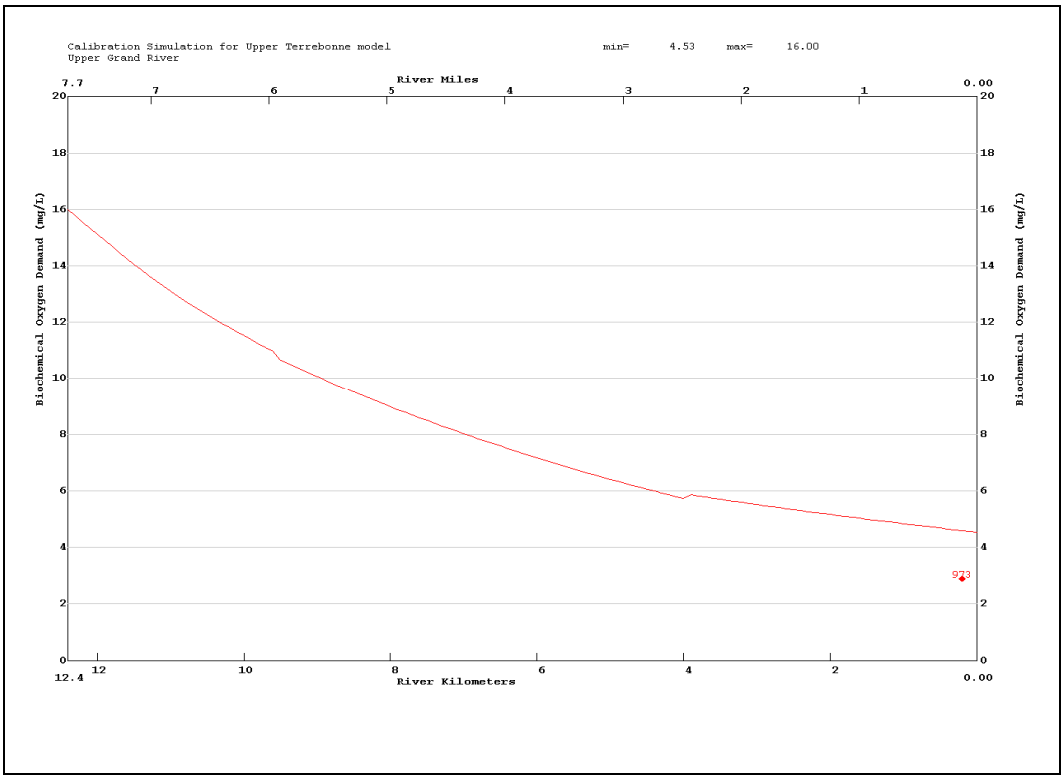


**Figure F-19. BOD calibration results for subsegment 120107**

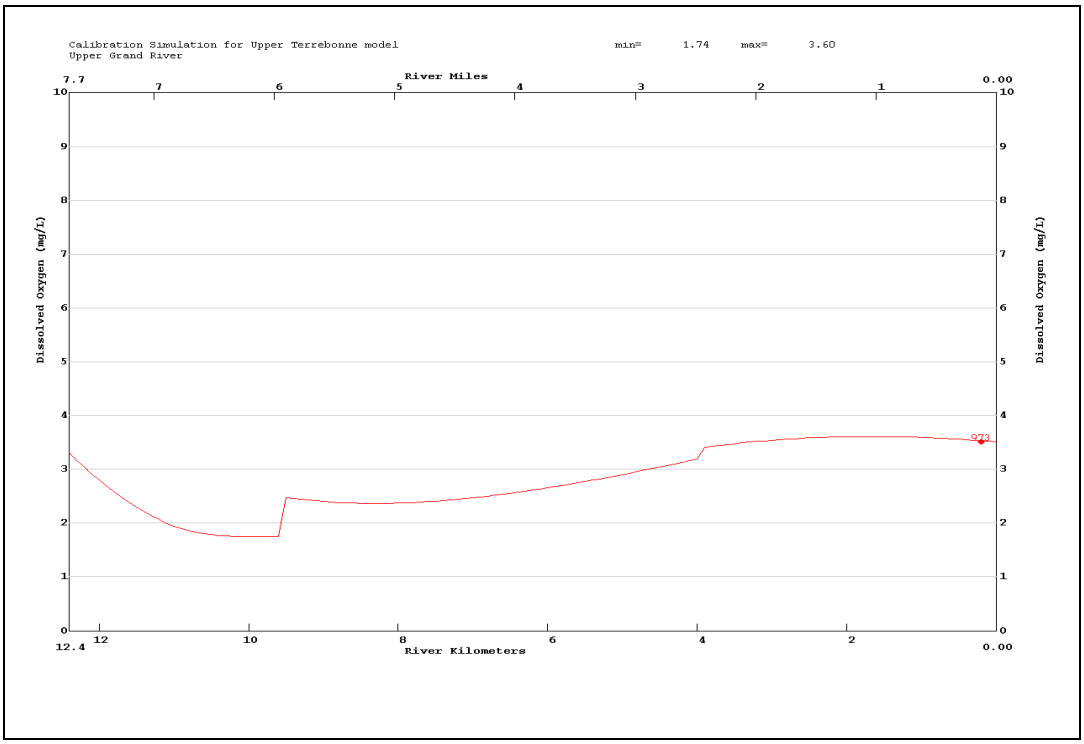


**Figure F-20. DO calibration results for subsegment 120107**

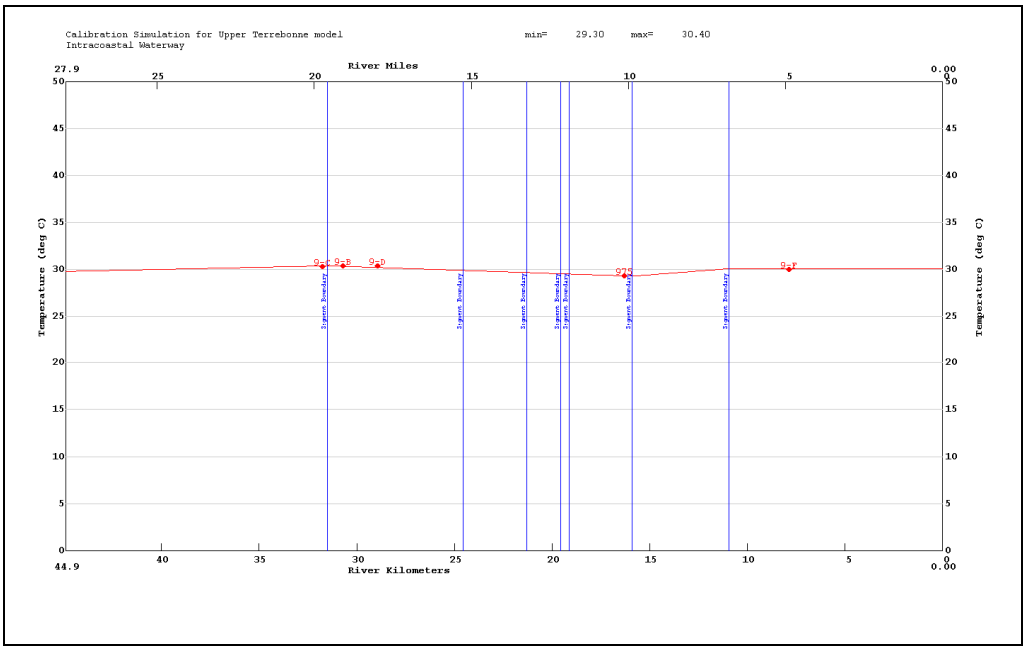


**Figure F-21. Temperature calibration results for subsegment 120109**

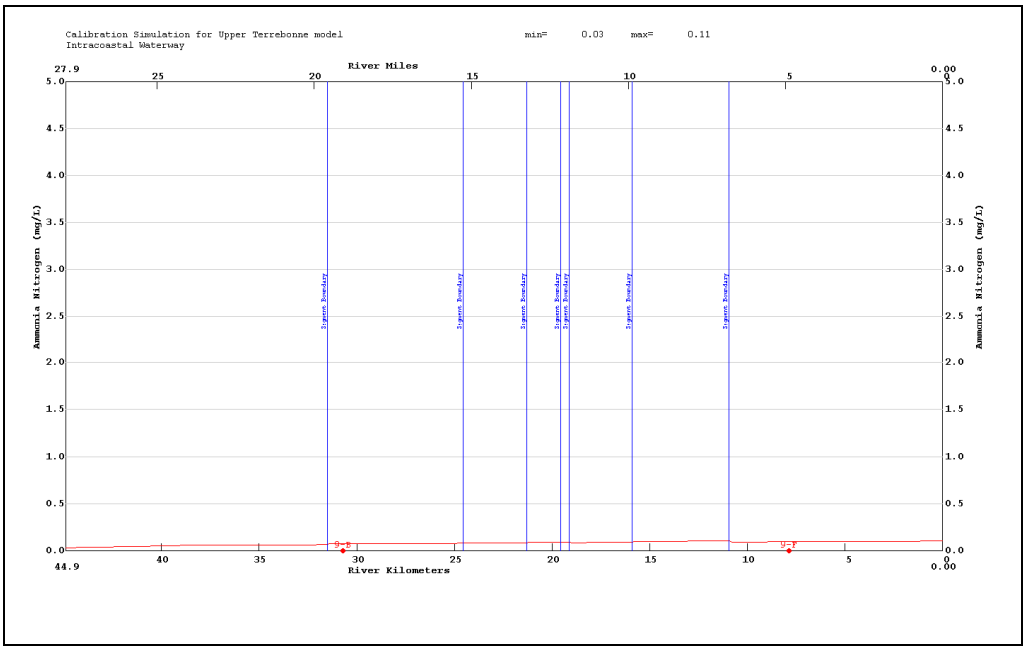


**Figure F-22. Ammonia calibration results for subsegment 120109**

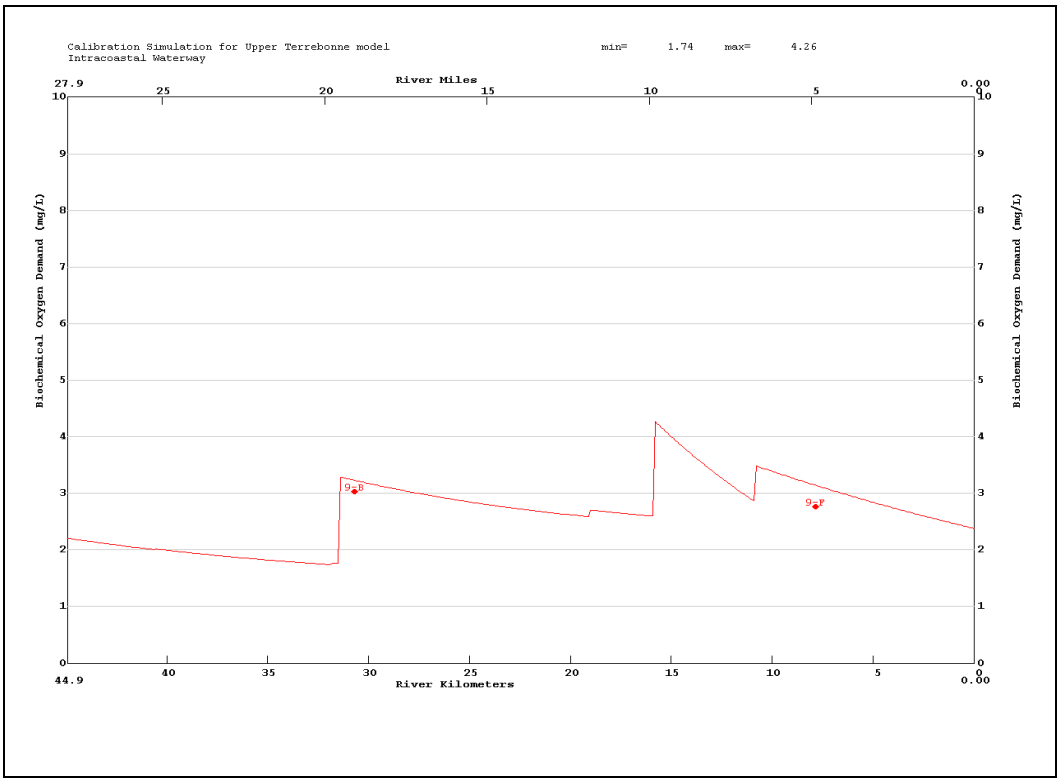


**Figure 23. BOD calibration results for subsegment 120109**

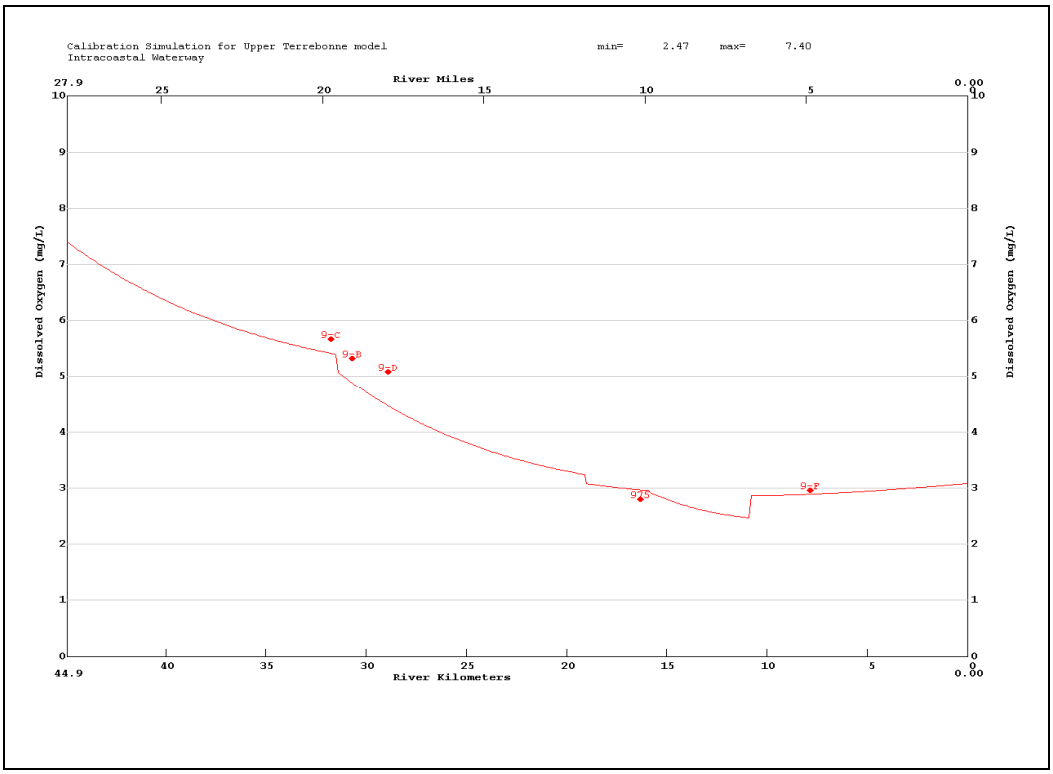


**Figure F-24. DO calibration results for subsegment 120109**

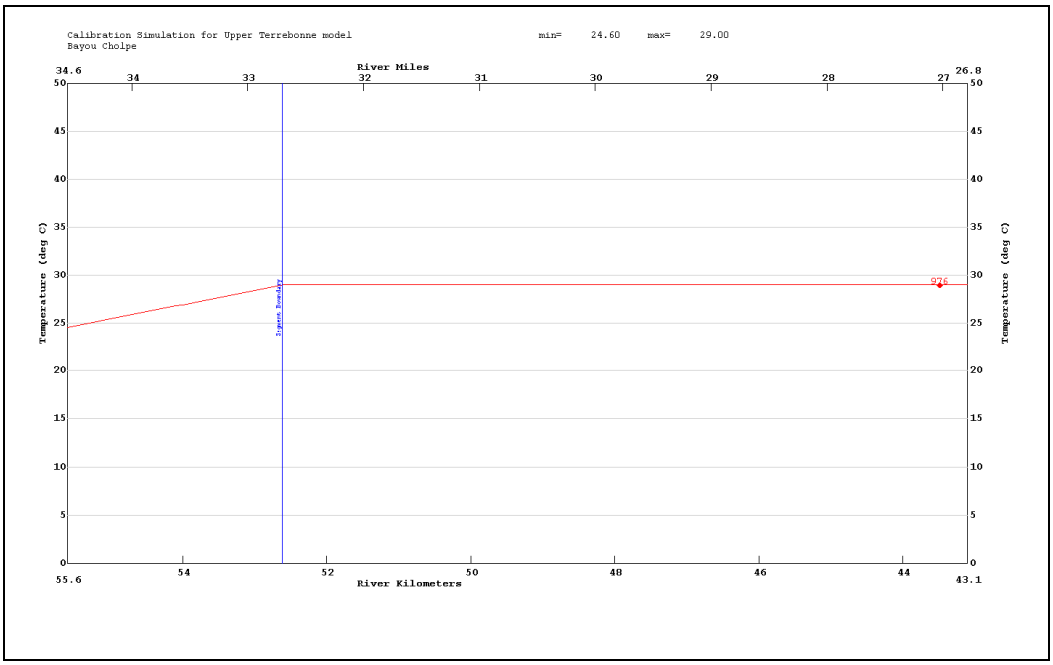


**Figure F-25. Temperature calibration results for subsegment 120110**

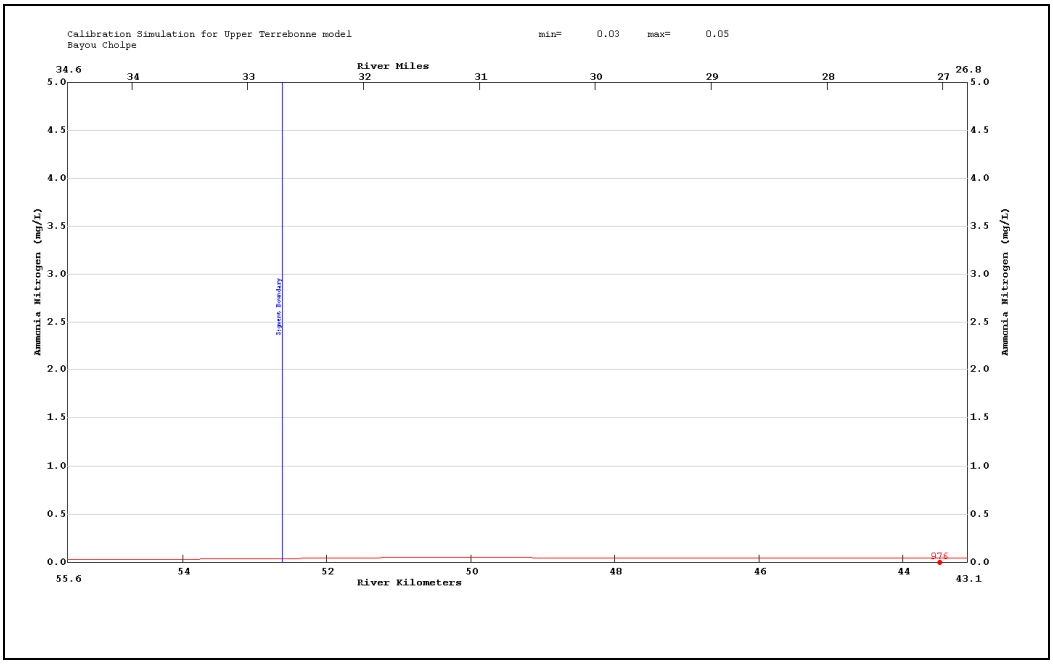


**Figure F-26. Ammonia calibration results for subsegment 120110**

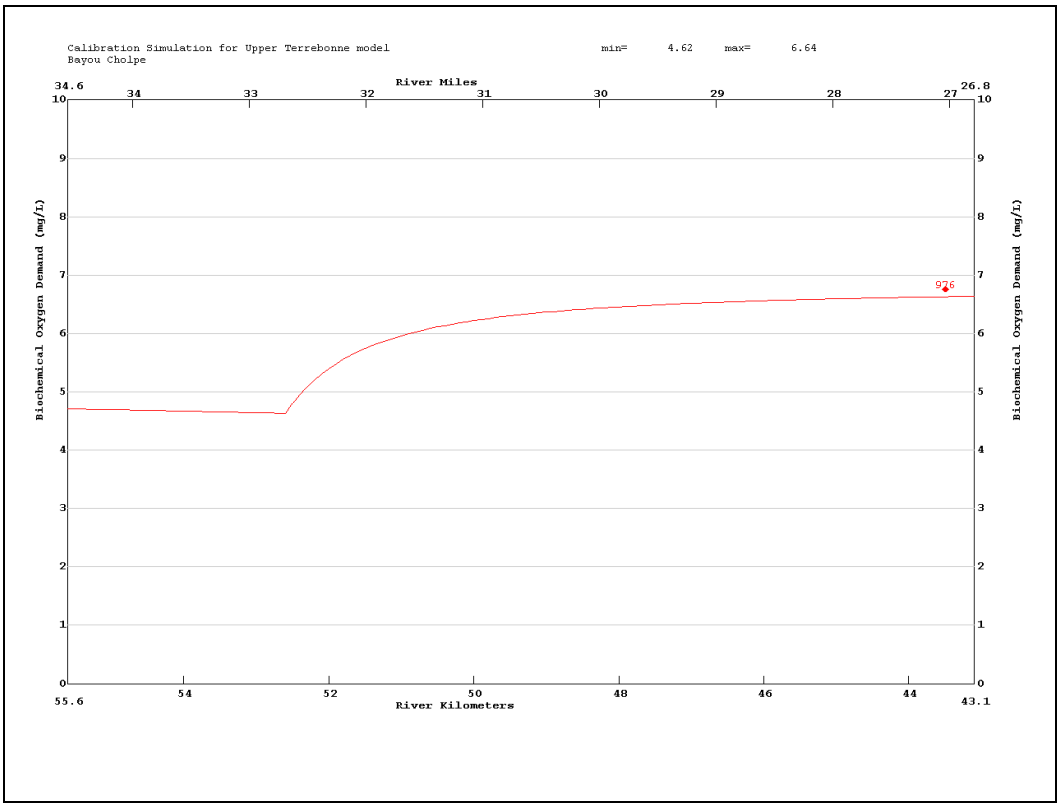


**Figure F-27. BOD calibration results for subsegment 120110**

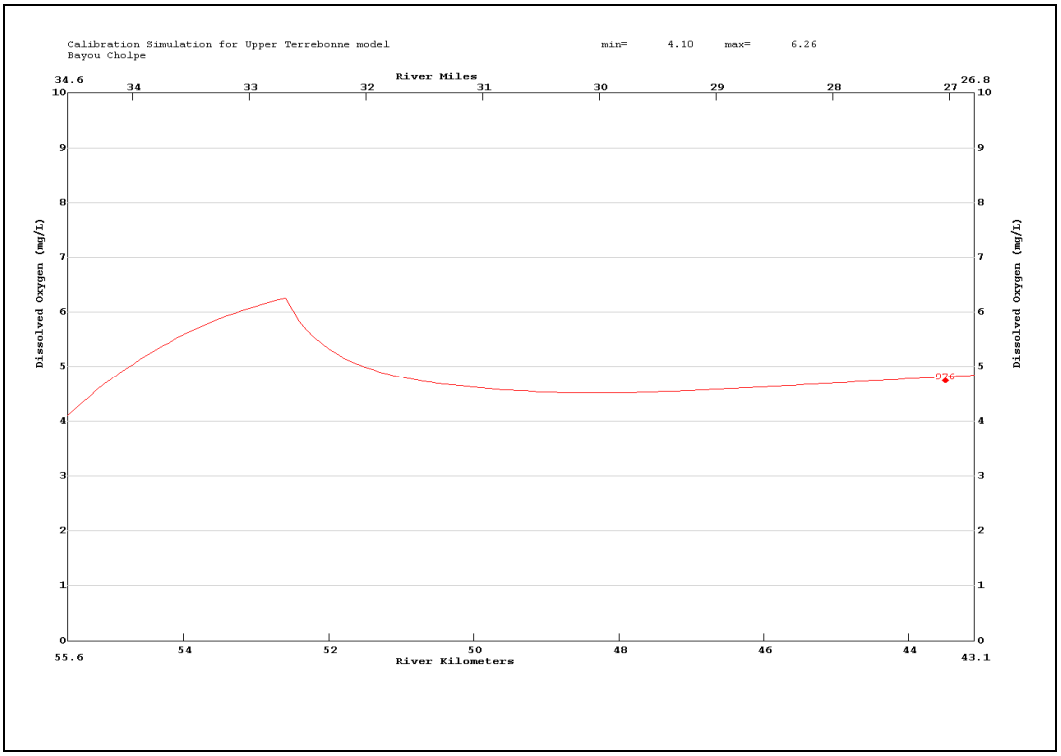


**Figure F-28. DO calibration results for subsegment 120110**